BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF NOBLE ENERGY, INC. - OPERATOR NO. 100322 – FOR AN ORDER TO DENY EIGHT (8) OF VERDAD RESOURCES, LLC'S FORM 2 APPLICATIONS FOR PERMIT TO DRILL FOR THE HP FARMS 02N-64W-04-1H (DOCUMENT NUMBER 401208875). FARMS 02N-64W-04-2H WELL (DOCUMENT NUMBER 401209991), HP FARMS 02N-64W-04-3H WELL (DOCUMENT NUMBER 401210033), HP **FARMS** 02N-64W-04-4H (DOCUMENT NUMBER 401210053), HP FARMS 02N-64W-04-5H WELL (DOCUMENT NUMBER 401210074), HP FARMS 02N-64W-04-6H WELL (DOCUMENT NUMBER 401210095), HP **FARMS** 02N-64W-04-7H WELL (DOCUMENT NUMBER 401210141) AND HP FARMS 02N-64W-04-8H WELL (DOCUMENT WITH THE SURFACE NUMBER 401210120) HOLE LOCATION IN SECTION 4. TOWNSHIP 2 NORTH, RANGE 64 WEST AND THE BOTTOM HOLE LOCATION IN SECTION 9. TOWNSHIP 2 WEST, NORTH. RANGE 64 FIELD. WELD COUNTY. WATTENBERG COLORADO PURSUANT TO RULE 503.b.(10) AND THE COLORADO OIL AND **GAS CONSERVATION ACT**

CAUSE NO. 1

DOCKET NO.

TYPE:GENERAL ADMINISTRATIVE

<u>APPLICATION</u>

COMES NOW Noble Energy, Inc. (Operator No. 100322) ("Noble" or "Applicant"), by its attorneys, Jost Energy Law, P.C., and makes this application to the Oil and Gas Conservation Commission of the State of Colorado ("Commission") pursuant to Commission Rule 503.b.(10) for an order to deny Verdad Resources, LLC's ("Verdad") eight (8) Applications for Permit to Drill, Form 2, filed with the Commission on May 8, 2017 for the HP Farms 02N-64W-04-1H Well (Document Number 401208875), HP Farms 02N-64W-04-2H Well (Document Number 401209991), HP Farms 02N-64W-04-3H Well (Document Number 401210033), HP Farms 02N-64W-04-4H Well (Document Number 401210074), HP Farms 02N-64W-04-6H Well (Document Number 401210095), HP Farms 02N-64W-04-7H Well (Document Number 401210141) and HP Farms 02N-64W-04-8H Well (Document Number 401210120) (collectively, the "HP Farm Wells" or "HP Farms APD's") with the surface hole location in Section 4, Township 2 North, Range 64 West and the

bottom hole locations in Section 9, Township 2 North, Range 64 West, 6TH P.M., Wattenberg Field, Weld County, Colorado. In support thereof, Applicant states and alleges as follows:

A. Factual and Procedural Background

- 1. Applicant is a corporation duly authorized to conduct business in the State of Colorado, and is a registered operator in good standing with the Commission.
- 2. Applicant owns substantial leasehold interests or holds the right to drill and/or operate on the following lands (hereafter "Subject Lands"):

Township 2 North, Range 64 West, 6th P.M.

Section 4: All

Section 9: All

1,280 acres, more or less, Weld County, Colorado.

3. On May 7, 2017, Verdad filed Docket No. 170700414 with the Commission for an order to establish an approximate 480-acre drilling and spacing unit ("Application") for the following lands ("Verdad Application Lands"):

Township 2 North, Range 64 West, 6th P.M.

Section 4: SW/4 Section 9: W/2

Weld County, Colorado, containing approximately 480 acres ("DSU"). See Verdad's Application on COGCC website, paragraph 2.

- 4. The Application requests an order approving up to eight (8) new horizontal wells in the proposed approximate 480-acre drilling and spacing and unit for development of oil, gas, and associated hydrocarbons from the Codell and Niobrara formations, Wattenberg Field. See Verdad's Application, paragraph 8.
- 5. On or about May 8, 2017, Verdad filed eight (8) Applications for Permit to Drill for each of the eight (8) wells requested in its Application. *Please see Exhibit 1 attached hereto and incorporated herein for Verdad's Application for Permit to Drill information for eight (8) HP Farms wells: HP Farms 02N-64W-04-1H, HP Farms 02N-64W-04-2H, HP Farms 02N-64W-04-3H, HP Farms 02N-64W-04-4H, HP Farms 02N-64W-04-5H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-7H, and HP Farms 02N-64W-04-8H.*
- 6. On May 23, 2017, as amended on June 14, 2017, Noble filed an application in Docket No. 170700429 for an order to establish an approximate 1,440-acre drilling and spacing unit ("Noble's Application") for the following lands ("Noble Application Lands"):

Township 2 North, Range 64 West, 6th P.M.

Section 4: All Section 9: All Section 16: N½N½

Weld County, Colorado, containing approximately 1,440 acres. See Noble's Application on COGCC website in Docket No. 170700429, paragraph 2.

- 7. Noble's Application requests an order approving up to eleven (11) new horizontal wells in the proposed approximate 1,440-acre drilling and spacing and unit for development of oil, gas, and associated hydrocarbons from the Codell and Niobrara formations, Wattenberg Field, for the Noble Application Lands. See Noble's Application, paragraph 11. Noble's Application confirms that there will be no more than three (3) well pads in the unit, or adjacent thereto, unless an exception is granted by the Director. See Noble Application, Paragraph 9.
- 8. On or about June 9, 2017, Noble filed eleven (11) Applications for Permits to Drill for certain of the wells requested in Noble's Application. *Please see Exhibit 2 attached hereto and incorporated herein for five (5) Applications for Permit to Drill the Rubicon State Y16-738, Rubicon State Y16-744, Rubicon State Y16-718, Rubicon State Y16-725, and Rubicon State Y16-731 wells (Six (6) more Rubicon Applications for Permit to Drill are filed with the COGCC but are not publically available on the website Rubicon State Y16-751, Rubicon State Y16-757, Rubicon State Y16-763, Rubicon State Y16-770, Rubicon State Y16-776 and Rubicon State Y16-783).*
- 9. Noble owns approximately 87.42% of the leasehold interest in the Noble Application Lands lands, which encompass 100% of the lands in the Verdad Application. See Noble's Application, paragraph 2. Verdad owns approximately 5.56% of the leasehold interest in the Application Lands subject to Verdad's Application.
- 10. Noble's overall development plan for the Noble Application Lands, which encompass 100% of the Verdad Application Lands, provides for efficient and economic development, prevents increased surface impact, prevents dual operatorship issues, serves to prevent waste and to protect correlative rights in accordance with the Colorado Oil and Gas Conservation Act, C.R.S. 34-60-101, et seq.
- 11. Verdad's development plan proposed in Docket No. 170700414, which includes the eight (8) HP Farms APD's, will cause waste, will affect Noble's correlative rights and will not result in efficient and economic development of the hydrocarbon resource as required by the Oil and Gas Conservation Act, C.R.S. 34-60-101, et seq. for the Verdad Application Lands.
- 12. Noble has been pursuing substantial development plans to drill, complete and operate up to eleven (11) horizontal wells for the development and operation of the Codell and Niobrara Formations on the Subject Lands.

- a. Noble's surface locations for the development of the Codell and Niobrara Formations in the Noble Application will be consolidated multi-well pads located in Section 16: N½N½, where the surface is owned by the Colorado State Land Board and Noble holds the necessary approvals from the Colorado State Land Board for each of the three locations. Further, Noble will utilize the multi-well surface locations for the development of hydrocarbons underlying the remainder of Section 16, Section 21, and Section 28, Township 2 North, Range 64 West. Please see Exhibit 3 attached hereto and incorporated herein for ten (10) Applications for Permit to Drill for Hullabaloo State Y21-736, Hullabaloo State Y21-746, Hullabaloo State Y21-769, Hullabaloo State Y21-775, Hullabaloo State Y21-781, Hullabaloo State Y21-787, Hullabaloo State Y21-726, Hullabaloo State Y21-716, Hullabaloo State Y21-756. Noble's purpose of consolidating wellpads is to ensure that there is minimal surface impact as it develops its majority leasehold in the area.
- b. In collaboration with the Colorado State Land Board, the surface owner of the three (3) Oil and Gas Locations, Noble plans to utilize three (3) wellpads and one (1) production facility for the development of the Noble Application Lands, all within close proximity to a main gathering right-of-way. Noble's proposed gathering system intends to gather both Oil and Gas produced from the wells within the DSU, thus removing truck traffic from the roads in Weld County reducing impact to the local community. See Exhibit 4, Noble's Proposed DSU with Noble's Planned Horizontal Wells, attached hereto and incorporated by reference herein; see Exhibit 5, Noble's Pad Map, attached hereto and incorporated by reference herein; see Exhibit 6, Noble's Aerial Map of the DSU, attached hereto and incorporated by reference herein.
- c. Noble's operational plan for the DSU is to use two (2) drill rigs to drill all of Noble's horizontal wells in the DSU from West to East in order. This will allow Noble to complete the drilling process for all of the horizontal wells within the DSU in a short period of time. Noble will use two (2) completions crews to complete the hydraulic fracturing process on the horizontal wells within the DSU soon after. By completing the horizontal wells in the DSU in a West to East fashion, pressure in the Codell and Niobrara Formations from the hydraulic fracturing process will prevent the risk of hydraulic fracturing into another horizontal well and will maintain the long-term productive life of the horizontal wells.
- d. Noble has the eleven (11) horizontal wells on the drilling schedule for third quarter 2018.
- 13. The Commission's approval of the HP Farms APD's for Verdad's proposed 480-acre proposed drilling and spacing unit in which Noble owns 83.33% of the leasehold in the Application Lands (approximately 83.33% of the proposed unit) will result in hydrocarbon and economic waste, increased surface impacts, inefficient and uneconomic development of the Application Lands and adjacent hydrocarbons, and will harm Noble's correlative rights.

- 14. Noble has very specific development plans for the Verdad Application Lands that cover the locations of the HP Farms APDs, as evidenced by Noble's own application for a 1,440 acre drilling and spacing unit in Docket No. 170700429 and the filing of eleven (11) Applications for Permit to Drill on such Application Lands. Noble has been working with the Colorado State Land Board, as well as its mineral interest owners, for the development of the Application Lands for a period of time, including Verdad. Noble's engineering and geological data present better configurations that would lead to more resources being developed and more predictable drainage in the Application Lands. Noble maintains that its development plan for a larger drilling and spacing unit, with more wells of longer lateral length, will serve to ensure that the mandates of the Oil and Gas Conservation Act, as set forth above, are carried out as Noble's development of the Application Lands occurs.
- 15. Should Verdad's APD's be approved, "Waste" as defined by the Act will result, inefficient and uneconomic development will result, and Noble's correlative rights will be harmed as the majority leasehold interest owner in the proposed unit. Noble maintains and will provide support for the fact that the HP Farms APD's should be developed utilizing longer lateral wells to ensure that the development and operation of the hydrocarbons is efficient, and also to ensure that its correlative rights are protected from harm such inefficient and uneconomic development. Noble has its own plans to develop its leasehold interests that stem from substantial investments in determining the geology of the area and developing engineering plans to access the resource. These determinations inform Noble that HP Farms APD's do not present the best configuration for efficient and thorough drainage that will make the best use of the common source of supply.
- 16. Noble did not receive notification of the HP Farms APD's under the applicable Commission Rules.
- 17. As of the date of this filing, the eight (8) HP Farms APD's are currently "in process" with the Commission.

B. Approval of Verdad's HP Farms APD's Will Adversely Affect and Aggrieve Noble

- 18. Noble submits this Application to the Commission pursuant to the Oil and Gas Conservation Act, C.R.S. 34-60-101, et seq. and Commission Rule 503.b.(10) which provides:
 - "(10) For purposes of seeking relief or a ruling from the Commission on any other matter not described in (1) through (9) above, only persons who can demonstrate that they are directly and adversely affected or aggrieved by the conduct of oil and gas operations or an order of the Commission and that their interest is entitled to legal protection under the Act may be an applicant." See COGCC Rule 503.b.(10).

- 19. As a 83.33% leasehold interest Owner in the Verdad Application Lands covering the HP Farms APD's, holder of a Surface Use Agreement within the corresponding proposed DSU, and Applicant in Docket No. 170700429, Noble has an interest that is entitled to legal protection under the Colorado Oil and Gas Conservation Act. See COGCC 100 Series Rules, Definition of Owner, and COGCC Rule 503.b.(10).
 - 20. Noble is a proper Applicant under Rule 503.b(10).
- 21. Based on the facts set forth in Paragraphs 1 through 18 above, any approval of any of the eight (8) HP Farms APD's will adversely affect and aggrieve Noble, as well as the mineral interest owners of Noble's leasehold. Noble, and its mineral interest owners, will be substantially affected and aggrieved by the approval of the HP Farms APD's due to the immediate loss of approximately six (6) of Noble's planned horizontal wells and overall affect on Noble's collaborative development plan for the drilling and spacing unit proposed in Noble's Application.
- C. <u>Approval of Verdad's HP Farms APD's Will Cause Waste in Violation of the Colorado Oil and Gas Conservation Act</u>
- 22. C.R.S. 34-60-107 provides specifically that "[t]he waste of oil and gas in the state of Colorado is prohibited by this article. *See C.R.S. 34-60-107.*
 - 23. C.R.S. 34-60-103(11), (12) and (13) define waste as follows:
 - (11) "Waste", as applied to gas, includes the escape, blowing, or releasing, directly or indirectly into the open air, of gas from wells productive of gas only, or gas in an excessive or unreasonable amount from wells producing oil, or both oil and gas; and the production of gas in quantities or in such manner as unreasonably reduces reservoir pressure or unreasonably diminishes the quantity of oil or gas that ultimately may be produced; excepting gas that is reasonably necessary in the drilling, completing, testing, and in furnishing power for the production of wells.
 - (12) "Waste", as applied to oil, includes underground waste; inefficient, excessive, or improper use or dissipation of reservoir energy, including gas energy and water drive; surface waste; open-pit storage; and waste incident to the production of oil in excess of the producer's aboveground storage facilities and lease and contractual requirements, but excluding storage, other than open-pit storage, reasonably necessary for building up or maintaining crude stocks and products thereof for consumption, use, and sale.
 - (13) "Waste", in addition to the meanings as set forth in subsections (11) and (12) of this section, means:

- (a) Physical waste, as that term is generally understood in the oil and gas industry;
- (b) The locating, spacing, drilling, equipping, operating, or producing of any oil or gas well or wells in a manner which causes or tends to cause reduction in quantity of oil or gas ultimately recoverable from a pool under prudent and proper operations or which causes or tends to cause unnecessary or excessive surface loss or destruction of oil or gas;
- (c) Abuse of the correlative rights of any owner in a pool due to nonuniform, disproportionate, unratable, or excessive withdrawals of oil or gas therefrom, causing reasonably avoidable drainage between tracts of land or resulting in one or more producers or owners in such pool producing more than his equitable share of the oil or gas from such pool.

C.R.S. 34-60-103(11), (12) and (13)(emphasis added).

- 24. C.R.S. 34-60-117(a) provides that the "authority to prevent waste and protect correlative rights of all owners in every field or pool, and when necessary shall limit the production of oil and gas in any field or pool in the exercise of this authority." C.R.S. § 34-60-117(a).
- 25. If approval of the HP Farms APD's, and the subsequent drilling of such APD's, is granted by the Commission, then such allowance will be in direct violation of the Colorado Oil and Gas Conservation Act C.R.S. 34-60-107 and 34-60-117(a).
- 26. The approval of the HP Farms APD's and subsequent drilling of the HP Farms wells will cause significant physical waste and waste of hydrocarbon resources in violation of the Colorado Oil and Gas Conservation Act.
- 27. The bottomhole locations of the HP Farms wells within the proposed DSU will materially impede and interfere with the horizontal wellbore orientation, development and operation of Noble's planned horizontal wellbores from Noble's surface location in Section 16 of the Noble Application Lands.
- 28. Upon information and belief, Noble maintains that approval of the HP Farms APD's will create waste through inter-well hydraulic fracture interference. Noble has seen the effects of turning a group of wells on (first set) and subsequently drilling and completing parallel wells (second set). The second set of wells interfered with and significantly affected the first set of wells, causing irreparable damage to the productive life of 6 of the wells leaving approximately a significant amount of barrels of oil equivalent in the ground. This waste can be avoided if the Commission denies Verdad's HP Farms APD's and allows Noble to proceed with the collaborative development and operational

plan set forth in Paragraph 12 above to drill and complete all wells in the DSU at consecutive order.

29. Noble maintains that any approval of the HP Farms APD's also violates Noble's interests and directly and adversely affects Noble, and is also in violation of C.R.S. 34-60-107.

C. Approval of Verdad's HP Farms APD's Violate Noble's Correlative Rights in Violation of the Colorado Oil and Gas Conservation Act

- 30. Noble further maintains that the issuance of any of HP Farms APD's violates Noble's correlative rights as to its interests and ability to produce hydrocarbons from the Noble's proposed drilling and spacing unit in Docket No. 170700429.
- 31. C.R.S. § 34-60-103(4) defines "correlative rights" to mean "that each owner and producer in a common pool or source of supply of oil and gas shall have an equal opportunity to obtain and produce his just and equitable share of the oil and gas underlying such pool or source of supply."
- 32. Noble, as an 87.36% percent leasehold interest owner in the Noble Application Lands in Docket No. 170700429, has the right to drill and produce from the Subject Lands and proposed drilling and spacing unit. Noble has its own long-term and collaborative development plan to develop and operate its leasehold interests in the Codell and Niobrara Formations on the Noble Application Lands and has made substantial investments in determining the geology of the area and developing engineering plans to access and efficiently and economically develop the hydrocarbons. See Paragraphs 1 through 15 above.
 - 33. Any approval of the HP Farms APD's will violate Noble's correlative rights.

D. Approval of Verdad's HP Farms APD's Will Result in Dual Operatorship

- 34. C.R.S. 34-60-116(2) mandates efficient and economic development of a drilling and spacing unit and the underlying hydrocarbon resource.
- 35. Any approval of the HP Farms APD's will violate C.R.S. 34-60-116(2) as the Commission will effectively allow dual operatorship of the Noble Application Lands which will cause both physical and hydrocarbon waste and inefficient development of the hydrocarbon resource in violation of the Colorado Oil and Gas Conservation Act.
- 36. Dual operatorship will also lead to increased truck traffic, impact to surface and other local land use impacts from the dual operations and well as unnecessary confusion to interest owners as to production payments and allocation of proceeds.
- 37. Based on Paragraphs 1 through 36, the Commission should not approve the HP Farms APD's as any approval will result in an immediate, known violation of the

Oil and Gas Conservation Act and such approval would cause waste, harm correlative rights and allow Verdad to proceed with inefficient and uneconomic development of the hydrocarbon pool underlying the Noble Application Lands and drilling and spacing unit.

- 38. Applicant certifies that copies of this Application will be served on Verdad within seven (7) days of the date hereof, as required by Rule 503.e.
- 39. Noble respectfully requests that, in order to prevent waste, to protect correlative rights, to prevent an express violation of the Colorado Oil and Gas Conservation Act and to Noble's collaborative development plan for the Noble Application Lands and corresponding drilling and spacing unit in Docket No. 170700429, this Commission issue an order denying Verdad's eight (8) HP Farms APD's.

WHEREFORE, Applicant respectfully requests that this matter be set for hearing in September 2017, that notice be given as required by law, and that upon such hearing, the Commission enter its order to:

- A. Deny Verdad's Application for Permit to Drill, Form 2, for the HP Farms 02N-64W-04-1H Well (Document Number 401208875), HP Farms 02N-64W-04-2H Well (Document Number 401209991), HP Farms 02N-64W-04-3H Well (Document Number 401210033), HP Farms 02N-64W-04-4H Well (Document Number 401210053), HP Farms 02N-64W-04-5H Well (Document Number 401210074), HP Farms 02N-64W-04-6H Well (Document Number 401210141) and HP Farms 02N-64W-04-8H Well (Document Number 401210120); and
- B. For such other findings and orders as the Commission may deem proper or advisable in this matter.

Dated: July 17, 2017.

Respectfully submitted:

Noble Energy, Inc.

By:

Jamie L. Jost

Kelsey Wasylenky
Jost Energy Law, P.C.
Attorneys for Applicant
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Denver, Colorado 80202

(720) 446-5620

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kwasylenky@jostenergylaw.com

Applicant's Address: Noble Energy, Inc.

ATTN: Ryan Antonio

1625 Broadway, Suite 2200

Denver, CO 80202

VERIFICATION

STATE OF COLORADO)
OTTIL OF STATES) ss
CITY AND COUNTY OF DENVER)

Ryan D. Antonio, of lawful age, being first duly sworn upon oath, deposes and says that he is a Land Manager for Noble Energy, Inc., and that he has read the foregoing Application and that the matters therein contained are true to the best of his knowledge, information and belief.

> Ryan D. Antonio Attorney-In-Fact Noble Energy, Inc.

SUN 755

Subscribed and sworn to before me this 10 day of July, 2017.

Witness my hand and official seal.

DOLORES SPRESSER

NOTARY PUBLIC

STATE OF COLORADO

NOTARY ID # 20104017063

MY COMMISSION EXPIRES MAY 26, 2018

Exhibit 1

FORM 2

Rev

08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401208875

APPLIC	ATION	FOR	PERMIT	TO:
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☑ Drill	Deepen	. T Re-enter	r Recomple	ete and Operate	Date Received:
TYPE OF WELL	OIL 😿 GAS [COALBED	OTHER	Refiling	05/08/2017
ZONE TYPE	SINGLE ZONE 🔀	MULTIPLE ZONES	COMMINGLE ZONES		
Well Name: HP	Farms		Well Number	: 02N-64W-04-1H	
Name of Operat	or: VERDAD RESO	URCES LLC		COGCC Operator Nu	mber: 10651
	CEDAR SPRINGS R				
City: DALLAS	3	State: TX	Zip: 75235	_	
Contact Name:	Kenny Trueax	C Pho	one: (720)651-8409	Fax: ()	
Email:	Regulatory@verdac	loil.com			
RECLAMATI	ON FINANCIAL	ASSURANCE			
Plugging and Ab	oandonment Bond Su	rety ID: 20170009			
WELLIOCA	TION INFORMA	TION			
QtrQtr: NWSW			ng: 64W Meridian:	6	
Latitude:		· · · · · · · · · · · · · · · · · · ·	gitude: -104.561343		
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GPS Data:				or's Name: Alan Hnizdo	
Date of Measu	rement: 02/02/2017	PDOP Reading: 1.5		•	
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ederal or State Lease #					
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Distance to nearest:			fea	ture as describe	to nearest of each cultural ed in Rule 303.a.(5).
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Building Unit:	5280	Feet	- Bu	Ilding - nearest Iding is a Buildi	ng Unit, enter same distance for
High Occupancy Building Unit:	5280	Feet	pot	th.	th Occupancy Building Unit, and
Designated Outside Activity Area:	5280	Feet	De	signated Outsid	le Activity Area - as defined in
Public Road:		Feet	10	0-Series Rules.	
Above Ground Utility:	2442	2 Feet			
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Property Line:	25	4 Feet			described in Rule 604.a.(2), within
DESIGNATED SETBACK LOINFORMATION Check all that apply. This location		Buffer Zone Exception Zone Urban Mitigation Area	- E W - L Ri	ithin 500' of a B	- as described in Rule 604.a.(1),
Pre-application Notifications (requ Date of Rule 305.a.(1) Urban Date of Rule 305.a.(2) Buffer	Mitigation A	rea Notification to Local Go	vernment:		
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SPACING & FORMATIONS	COMME	NTS			
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Rule 604. Rule 604. Rule 604.	a.(1)A. Except b.(1)A. Except a.) b.(1)B. Except	ion Location (exist	ing or approv	g Unit) ved Oil & Gas Loca ved Oil & Gas Loca				
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Rule 50	2.b. Variance Request fro	om COGCC Rule or Spacing Order Number
	CATION EXCEPTION	
		
heck all that	apply: a c Exception Location fr	om Rule or Spacing Order Number
T Dula CO	es a (2) Exception I ocatio	n (Property Line Setback).
All evention	ons and variances require	e attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
waivers, cer	tifications, SUAs).	
PERATO	R COMMENTS AND	SUBMITTAL
	Well is proposed as part Farms 02N-64W-04-3H, 02N-64W-04-7H, HP Far	of an 8 well pad including the HP Farms 02N-64W-04-1H, HP Farms 02N-64W-04-2H, HP HP Farms 02N-64W-04-4H, HP Farms 02N-64W-04-5H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-8H.
	Nearest existing non-op	well is the Perkins #43-5 which is 1134' as measured from COGCC GIS.
	Surface Use Agreement	has waivers for Rules 305, 306, 318A.a & 318A.c. See SUA attached.
	Juliace 030 Agreement	
	tion is in a Comprehensiv	e Drilling Plan No CDP #:
	tion is in a Comprehensiv	
Location ID:		th an Oil and Gas Location Assessment application? Yes
Is this appli	cation being submitted wi	and and das zoodien.
I hereby cer	rtify all statements made	in this form are, to the best of my knowledge, true, correct, and complete.
Signed:		Print Name: Kenny Trueax
	Regulatory Manager	Date: 5/8/2017 Email: Regulatory@verdadoil.com
Based on the and is hereb	e information provided he y approved.	rein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
COGCC App	nroved:	Director of COGCC Date:
OOGOO API		Expiration Date:
	API NUMBER	
05		
		Conditions Of Approval
		the Form 2A for this location shall
constitue enforce	resentations, stipulati ute representations, s eable to the same exte rmit-to-Drill.	ons and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in
		Description
COA Type	<u>e</u>	
ı		

o F	BMP/COA Type	<u>Description</u>
	General Housekeeping	Cleanup of trash, scrap, and discarded materials will be conducted at the end of each workday.
2 (General Housekeeping	When conditions exist that roads are excessively muddy, additional fill material will be added in order to dehydrate the environment and reduce the amount of material that is transported from the wells roads and location to off-site areas.
3	Material Handling and Spill Prevention	Drip pans will be used during fueling of equipment to contain spills and leaks. Spill Prevention and Control Countermeasure (SPCC) plans are in place to address any
4	Material Handling and Spill Prevention	Visual inspections of pipe and connections will be performed frequently to detect leaks which will be impediately corrected, repaired and reported to COGCC as required.
	Dust control	To prevent dust from becoming a nuisance to the public, water trucks will be utilized to approach water across any dust problem areas.
6	Noise mitigation	Operator will consult with owners of residents and occupied structures and other stakeholders to reduce impact of noise and light during drilling and completion operations. The direction of prevailing winds is considered when planning the location in order to mitigate odor and noise from being a nuisance to the surrounding residents and occupied structures. In order to minimize sound levels during drilling operations at nearby residences, rig generators will be located as far as possible from the residence by rig grioptation. Big lighting will also be directed away from residential units.
7	Odor mitigation	Hydrocarbon odors from production facilities are minimized and eliminated by keeping produced fluid hydrocarbons and natural gas contained within pipes, separators, tanks and combustors. All tanks are sealed with best available industry thief hatches and research. Tank vapors are captured with properly sized piping and combustors.
8	Drilling/Completion Operations	Operator will use a closed loop system for drilling and fluid management. No pits will
9	Drilling/Completion Operations	Verdad plans to use a Modular Large Volume Tank (MLVT). The planned tank is a 36 BBL tank approximately 148' in diameter. The MLVT is manufactured by Big Holdings and will be supplied and set up by a third-party vendor. Verdad will follow the COGCC guidance policy dated June 13, 2014 on the use of MLVTs.
10	Drilling/Completion Operations	Operator will perform anti-collision evaluation of all active (producing, shut-in, of temporarily abandoned) offset wellbores that have the potential of being within 150' feet of the proposed well prior to drilling operations. Notice shall be given to all offset apprentice prior to drilling
1	1 Drilling/Completion Operations	Operator will comply with COGCC policy on bradenhead monitoring during Hydraulic Fracturing Treatment in the Greater Wattenberg Area per policy dated May 29. 2012.
12	2 Drilling/Completion Operations	Rule 604.c.l: Upon initial rig-up and at least once every thirty (30) days during drilling operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections shall be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be applicated on a daily basis when practicable.
1	3 Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number the well in which open hole logs were run.
	14 Final Reclamation	P&A'd wells will be identified and marked pursuant to 319.a.(5). Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.

Applicable Policies and Notices to Operators

Policy

Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

Att Doc Num	<u>Name</u>
401208875	FORM 2 SUBMITTED
401213025	WELL LOCATION PLAT
401213845	DIRECTIONAL DATA
401213891	DEVIATED DRILLING PLAN
401215258	OFFSET WELL EVALUATION
401271446	EXCEPTION LOC REQUEST
	SURFACE AGRMT/SURETY
401289842	OOTH MODIFICATION TO THE PARTY OF THE PARTY

Total Attach: 7 Files

General Comments

	<u>General Comments</u>	Comment Date
User Group	Comment	05/31/2017
111 0111111	Passed Completeness.	05/09/2017
Permit	Returned to draft per operator's request.	

Total: 2 comment(s)

Public Comments						
	Na public co	mments were receiv	red on this application	during the comr	ment period.	
	No bring co	THINEITS WEIG 100011				
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Page 7 of 7

FORM 2

State of Colorado

Oil and Gas Conservation Commission



Document Number:

Rev 08/16	1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109	CO)	401209991
	APPLICATION FOR PERMIT TO:		
▼ Dri	ill Deepen Re-enter Recomplete	and Operate	Date Received:
TYPE	OF WELL OIL X GAS COALBED OTHER	Refiling	05/08/2017
ZONE	E TYPE SINGLE ZONE 😿 MULTIPLE ZONES 🧵 COMMINGLE ZONES	Sidetrack	
	lame: HP Farms Well Number: 0		
11	of Operator: VERDAD RESOURCES LLC	COGCC Operator Nu	mber: 10651
11	ess: 5950 CEDAR SPRINGS ROAD y: DALLAS State: TX Zip: 75235		
Conta	ct Name: Kenny Trueax Phone: (720)651-8409 Fa	ax: ()	
	LAMATION FINANCIAL ASSURANCE ging and Abandonment Bond Surety ID: 20170009		
QtrQ' L Field Grou GPS Date If we	Footage at Surface: 2375 Feet FSL 1280 Feet F I Name: WATTENBERG Field Number: 90750 und Elevation: 4894 County: WELD I Data: e of Measurement: 02/08/2017 PDOP Reading: 1.5 Instrument Operator's ell is Directional Note Horizontal (highly deviated) submit deviated drillitage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FSL 690 FWL 460 FSC: 4 Twp: 2N Rng: 64W Sec: 9	ng plan. UFSL FEL FSL 690 F	_/FWL FWL Rng: _64W
Surf	face Ownership: Fee State Federal Indian Surface Owner is: is the mineral owner beneath the location. is committed to an Oil and Gas Lease. has signed the Oil and Gas Lease. is the applicant.		

Surface Surety ID:

The Mineral Owner beneath this Oil and Gas Location is: 🔀 Fee 🥒 State 🗀 Federal 🦰 Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes The right to construct the Oil and Gas Location is granted by: Surface Use Agreement

Surface damage assurance if no agreement is in place:

eneath surface location if pro	duced. Attach sepa	scribe one entire mineral lea arate description page or ma	ap II Hecessary.	<i></i>	
SW/4 of Sec 4, T2N-R64W					auton - 1 I Year Indian
otal Acres in Described Leas	e: 160	Described Mineral Lease	e is: 👿 Fee	State	Federal Indian
odoral or State Lease #		_		_	
stance from Completed Por	tion of Wellbore to	Nearest Lease Line of desc	ribed lease:	0 Fee	et
ULTURAL DISTANCE			II.	ISTRUCTIONS:	shall be provided from center of to nearest of each cultural
istance to nearest:			fe	eature as describe	d in Rule 303.a.(5).
Bui	lding: 5280	Feet	-	Enter 5280 for dis	tance greater than 1 mile. building of any type. If nearest
Building	Unit: 5280	Feet	В	uilding is a Buildir	g Unit, enter same distance for
High Occupancy Building	Unit: 5280	Feet	_	oth. Building Unit, Higi	h Occupancy Building Unit, and
Designated Outside Activity		Feet		esignated Outside	e Activity Area - as defined in
Public		Feet		.00-Series Rules.	
Above Ground	Utility: 2442	P Feet			
Ra	ilroad:5280) Feet			
Propert	/ Line:255	5 Feet	r		- 1 co. (2) within
DESIGNATED SETBA INFORMATION Check all that apply. This lo		Buffer Zone Exception Zone Urban Mitigation Area		1,000' of a Buildin - Exception Zone - within 500' of a Bi	as described in Rule 604.a.(1),
n Wating Notifications	(required if location	on is within 1,000 feet of a b	uilding unit):		
Pre-application Notifications	I Irban Mitigation A	rea Notification to Local Go	vernment:		
Date of Rule 305.a.(1)	Buffer Zone Notific	cation to Building Unit Owne	rs:		
- f-wation: 210	ortion of proposed	wellbore to nearest complet			
				Unit Nur	or distance greater than 1 mile.)
Federal or State Unit Name	e (if appl):			Offit Mar	
SPACING & FORMAT	TIONS COMME	NTS	. –		
		V/4; Sec. 9: W/2; 480 acres			
OBJECTIVE FORMA					
		Spacing Order Number(s)	Unit Acreage A	ssigned to Well	Unit Configuration (N/2, SE/4, et
Objective Formation(s)	Formation Code	opuomy			

ORILLING PRO								
Proposed Total	Measured Dep	th: <u>13974</u> Fee	et	l Disas ha	Jonaina to anoth	er operator, inc	andina pluage	d wells:
Distance from th	e proposed we	ellbore to nearest e	xisting or pro	oposed wellbore be	vell belonging to	another operat	for within 1.50	00 feet
Enter distance if	less than or ed	qual to 1,500 feet:	1120	Feet No V	veli belonging to	anomor oporar		
Will a closed-loo	op drilling syste	m be used? Ye	es					
Is H2S gas reas	onably expecte	ed to be encounter	ed during dri	illing operations at o	concentrations gr	eater than		
or equal to 100		(If Yes, attach a	n H2S Drillin	ng Operations Plan)				
Will salt section	s be encounter	red during drilling?	No	_ _				
Will salt based	(>15,000 ppm	Cl) drilling fluids be	e used?	No				
Will oil based d						900mr 9 1		
BOP Equipmer	nt Type: 🔀 An	ınular Preventor	▼ Double		ating Head	None		
GROUNDWA	TER BASEL	INE SAMPLIN	G AND MO	ONITORING AN	ID WATER W	ELL SAMPL	ING	
Water well sar								
		AGEMENT PRO	GRAM					
				uids Disposal Metho	ods: Commercial	Disposal		
	Disposal:			tings Disposal Meth				
	osal: OFFS	IIE	ou.	95				
Other Dispose	al Description:							
Beneficial r	euse or land a	pplication plan sub		-				
Reuse Fa	cility ID:	or Do	cument Nur	nber:				
OAOINO DD	OCDAM							
CASING PR		Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
Casing Type	Size of Hole	Size of Casing	<u>Wt/Ft</u> 65	Csg/Liner Top	Setting Depth	70	80	0
Casing Type CONDUCTOR	Size of Hole	Size of Casing 16 9+5/8			80 1700	70 462	80 1700	0
Casing Type	Size of Hole	16	65	0	80	70	80	0
Casing Type CONDUCTOR SURF 1ST Conductor	Size of Hole 24 13+1/2 8+1/2 Casing is NOT	16 9+5/8 5+1/2 planned	65 36 20	0 0 0	80 1700	70 462	80 1700	0
Casing Type CONDUCTOR SURF 1ST Conductor	Size of Hole 24 13+1/2 8+1/2 Casing is NOT	16 9+5/8 5+1/2	65 36 20	0 0 0	80 1700	70 462	80 1700	0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply:	16 9+5/8 5+1/2 planned K LOCATION E	65 36 20 EXCEPTIO	0 0 0	80 1700	70 462	80 1700	0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply:	16 9+5/8 5+1/2 planned K LOCATION E	65 36 20 EXCEPTIO	0 0 0	80 1700 13974	70 462 1804	80 1700 13974	0 0 0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply:	16 9+5/8 5+1/2 planned K LOCATION E	65 36 20 EXCEPTIO	0 0 0	80 1700 13974	70 462 1804	80 1700 13974	0 0 0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Except b.(1)A. Except	16 9+5/8 5+1/2 planned K LOCATION F ion Zone (within 50) ion Location (exist	65 36 20 EXCEPTION OO' of Building or appro	0 0 0 0 ONS ag Unit)	80 1700 13974	70 462 1804	80 1700 13974 etback as a re	0 0 0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604	24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Except b.(1)A. Except ion after Locat	16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50 ion Location (exist tion Location (exist ion approval)	65 36 20 EXCEPTION OO' of Building or approsing or approsing	0 0 0 0 ONS ag Unit) ved Oil & Gas Loca	80 1700 13974 ation now within a	70 462 1804 Designated Set	80 1700 13974 etback as a re	0 0 0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604	24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Except b.(1)A. Except ion after Location	16 9+5/8 5+1/2 planned K LOCATION F ion Zone (within 50 ion Location (exist ion approval)	65 36 20 EXCEPTION On of Building or approving or approv	O O O O O O O O O O O O O O O O O O O	80 1700 13974 ation now within a ation is within a D	70 462 1804 Designated Settlesignated Settlesignat	80 1700 13974 etback as a reback due to Bu	0 0 0 esult of uilding Unit
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Construct Rule 604 Construct Rule 604 developr	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Except b.(1)A. Except a.b.(1)B. Except ion after Locati b.(2) Exception ent plan)	16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50 ion Location (exist ion approval) n Location (SUA on Location (Building approval)	65 36 20 EXCEPTION OO' of Building or approving or approving or approving or approving or approving Units consists	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	80 1700 13974 ation now within a ation is within a D	70 462 1804 Designated Settlesignated Settlesignat	80 1700 13974 etback as a reback due to Bu	0 0 0 esult of uilding Unit
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Construct Rule 604 Construct Rule 604 developr	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Except b.(1)A. Except a.b.(1)B. Except ion after Locati b.(2) Exception ent plan)	16 9+5/8 5+1/2 planned K LOCATION F ion Zone (within 50 ion Location (exist ion approval)	65 36 20 EXCEPTION OO' of Building or approving or approving or approving or approving or approving Units consists	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	80 1700 13974 ation now within a ation is within a D	70 462 1804 Designated Settlesignated Settlesignat	80 1700 13974 etback as a reback due to Bu	0 0 0 esult of uilding Unit
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a construct Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Construct Rule 604 Construct Rule 604 Check all that	24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Except b.(1)A. Except a.) b.(1)B. Except ion after Locati b.(2) Exception b.(3) Exception nent plan) WATTENBE apply:	16 9+5/8 5+1/2 planned K LOCATION F ion Zone (within 50 ion Location (exist ion approval) n Location (SUA on Location (Building ERG AREA LOC	65 36 20 EXCEPTION On of Building or appropriate o	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	80 1700 13974 ation now within a ation is within a D	70 462 1804 Designated Settlesignated Settlesignat	80 1700 13974 etback as a reback due to Bu	0 0 0 esult of uilding Unit
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RULE 502.b VARIANCE REQUEST

Rule 5	02.b. Variance Request fr	om COGCC Rule or Spacing Order Number
	CATION EXCEPTIO	
heck all tha	t apply:	
Rule 3	18.c. Exception Location f	rom Rule or Spacing Order Number
Pulo 6	a (2) Exception Location	on (Property Line Setback).
ALL excep waivers, ce	tions and variances requir ertifications, SUAs).	e attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
PERATO	OR COMMENTS AND	SUBMITTAL
Comments	Farms 02N-64W-04-3H, 02N-64W-04-7H, HP Fa	of an 8 well pad including the HP Farms 02N-64W-04-1H, HP Farms 02N-64W-04-2H, HP HP Farms 02N-64W-04-4H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-8H.
	and not subject to pre-fra	
	Surface Use Agreement	has waivers for Rules 305, 306, 318A.a & 318A.c. See SUA attached.
	ation is in a Comprehensi	ve Drilling Plan No CDP #:
Location ID):	W. Cit and Coal costion Assessment application? Yes
Is this app	olication being submitted w	ith an Oil and Gas Location Assessment approach
I hereby c	ertify all statements made	in this form are, to the best of my knowledge, true, correct, and complete.
		Print Name: Kenny Trueax
Signed: Title:		Date: 5/8/2017 Email: Regulatory@verdadoil.com
		erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
Based on tand is here	ne information provided no by approved.	Mont, the Approximation
00000	marayad'	Director of COGCC Date:
COGCC A	pproved:	Expiration Date:
05	API NUMBER	
		Conditions Of Approval
consti	oresentations, stipulat itute representations, ceable to the same ext ermit-to-Drill.	ions and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in
COA Ty		Description
		Best Management Practices
No BA	/IP/COA Type	<u>Description</u>
	eneral Housekeeping	Cleanup of trash, scrap, and discarded materials will be conducted at the end of each workday.
2 Ge	eneral Housekeeping	When conditions exist that roads are excessively muddy, additional fill material will be added in order to dehydrate the environment and reduce the amount of material that is transported from the wells roads and location to off-site areas.
11 1		Page 4 o

TIP F---- OON GAWLOALOH

Page 4 of 7

3	Material Handling and Spill Prevention	Visual inspections of pipe and connections will be performed frequently to detect leaks which will be immediately corrected, repaired and reported to COGCC as required.
	Material Handling and Spill Prevention	Drip pans will be used during fueling of equipment to contain spills and leaks. Spill Prevention and Control Countermeasure (SPCC) plans are in place to address any possible spill associated with Oil and Gas operations.
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×	11 Drilling/Completion Operations	Operator will comply with COGCC policy on bradennead mornioring daming rivations of the Creater Wattenberg Area per policy dated May 29. 2012.
	12 Drilling/Completion Operations	Verdad plans to use a Modular Large Volume Tank (MLVT). The planted tank to a verbal ball tank approximately 148' in diameter. The MLVT is manufactured by Big Holdings and will be supplied and set up by a third-party vendor. Verdad will follow the COGCC and will be supplied and set up by a third-party vendor.
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Total: 14 comment(s)

Applicable Policies and Notices to Operators

		١
	Policy	1
l	Charge Charge Requirements for Wildlife Protection.	
	Notice Concerning Operating Requirements of Mildlife_Notice.pdf http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf	7
Ì	http://cogcc.state.co.us/documents/reg/reneres	7

Attachment Check List <u>Name</u> Att Doc Num FORM 2 SUBMITTED 401209991 DIRECTIONAL DATA 401214005 WELL LOCATION PLAT 401214007 DEVIATED DRILLING PLAN 401214009 OFFSET WELL EVALUATION 401215341 EXCEPTION LOC REQUEST 401271615 SURFACE AGRMT/SURETY 401289845

Total Attach: 7 Files

General Comments

	General Communication	Comment Date
User Group	Comment	05/22/2017
111 01	Returned to draft per operator's request.	05/09/2017
Permit	Returned to draft per operator's request.	

Total: 2 comment(s)

	Public Comment	<u>s</u>		
 No public comments were re	ceived on this applicat	ion during the comme	nt period.	
		, ·		
		¥		

Page 7 of 7

FORM 2 Rev

08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401210033

APPLICATION	FOR	PERMIT	TO:
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TYPE OF WELL OIL ST GAS COALBED OTHER	perate ¬	m . D
EXPERIENCE OF THE COALBED OTHER		Date Received:
TYPE OF WELL OIL 🔀 GAS COALBED OTHER	Refiling	05/08/2017
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES	Sidetrack	
Well Name: HP Farms Well Number: 02N-64		
Name of Operator: VERDAD RESOURCES LLC COG	GCC Operator Nur	mber: 10651
Address: 5950 CEDAR SPRINGS ROAD		
City: DALLAS State: TX Zip: 75235		
Phone: (720)651-8409 Fax: ()	
Contact Name: Kerny Mucak		_
Email: Regulatory@verdadoil.com		
RECLAMATION FINANCIAL ASSURANCE		
Plugging and Abandonment Bond Surety ID: 20170009		
WELL COATION INFORMATION		
WELL LOCATION INFORMATION OtrOtr: NWSW Sec: 4 Twp: 2N Rng: 64W Meridian: 6		
QtrQtr: NWSW Sec: 4 Twp: 2N Riig. 64V Morridan. Latitude: 40.166701 Longitude: -104.561200		
FNL/FSL FEL/FWL		
Footage at Surface: 2375 Feet FSL 1300 Feet FWL		
Field Name: WATTENBERG Field Number: 90750		
Ground Elevation: 4894 County: WELD		
GPS Data: 1.7 Instrument Operator's Name	e: Alan Hnizdo	
Date of Measurement. 02/02/2017 1 B of Free Manager 1 B of Fre		
If well is Directional X Horizontal (highly deviated) submit deviated drilling plan		/FWL
Footage at Top of Prod Zone: FNL/FSL TANK 460 FSL		WL
2180 FSL 900 TWL		Ing: 64W
Sec: 4 Twp: 2N Rng: 64W Sec: 9 IV		
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT		
Tadoral Indian		
Surface Ownership: IX Fee State Property the location		
II THE SULIDICE OWNER IS.		
has signed the Oil and Gas Lease.		
is the applicant.	deral 🗀 India	n
The Mineral Owner beneath this Oil and Gas Location is. IA Fee	dorai	
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes		
THE WILLIAM DOTTON		
The right to construct the Oil and Gas Location is granted by: Surface Use Agreement	ace Surety ID:	

TE TOOM GAM OA 2H

SW/4 Sec. 4, 2N 64W		arate description page or ma			
tal Acres in Described Lea	se: 160	Described Mineral Lease	e is: 👿 Fee	State	Federal Indian
deral or State Lease #					
etance from Completed Po	rtion of Wellbore to	Nearest Lease Line of desc	ribed lease:	0 Fee	et
				INSTRUCTIONS:	
ULTURAL DISTANCE	INFORMATIO	N		- All measurements	shall be provided from center of to nearest of each cultural
stance to nearest:				feature as describe	d in Rule 303.a.(5).
Ві	uilding: 5280	Feet		- Enter 5280 for dis	tance greater than 1 mile. building of any type. If nearest
Buildin	g Unit: 5280	Feet		Building is a Buildir	ng Unit, enter same distance for
High Occupancy Buildin		Feet		hoth	h Occupancy Building Unit, and
Designated Outside Activity		Feet		Designated Outside	e Activity Area - as defined in
=		Feet		100-Series Rules.	
Above Ground	Utility: 244	Feet			
R	ailroad: 528	0 Feet			
Proper	ty Line: 25	5 Feet			
DESIGNATED SETBANFORMATION Check all that apply. This lo		Buffer Zone		1,000' of a Buildin - Exception Zone -	as described in Rule 604.a.(1),
леск ан тагарру. Тто к		Exception Zone		Rules.	TATEd - as defined in 100 beines
		Urban Mitigation Area	ι		
Ore application Notification	s (required if location	on is within 1,000 feet of a b	uilding unit):		
Date of Rule 305 a (1	Urban Mitigation A	Area Notification to Local Go	vernment: _		
Date of Pule 305 a (2	N Buffer Zone Notifi	cation to Building Unit Owne	rs:		
SPACING and UNIT I	NFORMATION		and nortion of (offset wellhore per	mitted or completed in the
Distance from completed រុ	portion of proposed	wellbore to nearest complet	ea portion or c	Month of the	
same formation: 210			400 E	oot (Enter 5280 fo	r distance greater than 1 mile.
Distance from Completed	Portion of Wellbore	to Nearest Unit Boundary	460		nber:
Federal or State Unit Nam	ie (if appl):			- Offic Num	
SPACING & FORMA	TIONS COMME	NTS		<u></u>	
		N/4; Sec. 9: W/2; 480 acres			
OBJECTIVE FORMA	TIONS			Assigned to Well	Unit Configuration (N/2, SE/4, e
		Spacing Order Number(s)			

RILLING PRO								
Name and Total M								
roposeu rotariv	leasured Dept	h: <u>13961</u> Fee		anacad wallbara ba	longing to anothe	er operator, inc	luding plugge	d wells:
Distance from the	e proposed we	ilbore to nearest e	xisting or pro	oposed wellbore be	vell belonging to	another operat	or within 1,50	0 feet
Enter distance if I	ess than or eq	ual to 1,500 feet:	1036	Feet No W	veli neloligilig to	anomor operar	•	
Nill a closed-loop	o drilling syster	m be used? Ye	es					
ic HoS das reaso	nably expecte	d to be encountere	ed during dri	Illing operations at o	concentrations gr	eater than		
or equal to 100 r	pm? No	(If Yes, attach a	n H2S Drillin	g Operations Plan)				
 Will salt sections	be encounter	- ed during drilling?	No	_				
Will salt based (:	>15,000 ppm (CI) drilling fluids be	used?	No				
		used? Yes	_			Ameri - I		
BOP Fauipment	Type: 🔀 An	nular Preventor	▼ Double		ating Head	None		
- Ot manhine		INIE SAMDI INI	G AND MO	ONITORING AN	D WATER W	ELL SAMPL	ING	
Water well sam								
RILLING WA	STE MANA	GEMENT PRO	OGRAM					
Drilling Fluids D			Drilling Flu	uids Disposal Metho	ds: Commercial	Disposal		
				tings Disposal Meth				
Cuttings Dispos				-				
Other Disposal	Description:							
Beneficial re	euse or ianu ap	oplication plan sub		mher:				
Reuse Fac	cility ID:			mber:				
CASING PRO	GRAM							O+ T
		Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth		Cmt Btm 80	Cmt Tor
CONDUCTOR	24	16	65	0	1700	70 462	1700	0
SURF	13+1/2	9+5/8	36	0	1 7/111	402		, ,
						1802	13961	0
	.8+1/2	5+1/2	20	0	13961	1802	13961	
Conductor	Casing is NOT	5+1/2 planned		0		1802	13961	
Conductor	Casing is NOT	5+1/2 planned		0		1802	13961	
Conductor Conduc	Casing is NOT D SETBAC pply:	5+1/2 planned K LOCATION I	EXCEPTION	ONS		1802	13961	
Conductor Conduc	Casing is NOT D SETBAC pply:	5+1/2 planned K LOCATION i	EXCEPTION OF Pullding	ONS	13961			0
Conductor Conduc	Casing is NOT D SETBAC pply:	5+1/2 planned K LOCATION i	EXCEPTION OF Pullding	ONS	13961			0
Conductor CDESIGNATE Check all that a Rule 604.1 Rule 604.1	Casing is NOT D SETBAC pply: a.(1)A. Excepti b.(1)A. Except	5+1/2 r planned K LOCATION I ion Zone (within 50) ion Location (exist	EXCEPTION OO' of Building or appro	ODNS Ing Unit) Ved Oil & Gas Loca	13961	ı Designated S	etback as a re	0 esult of
Conductor DESIGNATE Check all that a Rule 604. Rule 604. Rule 604.	Casing is NOT D SETBAC pply: a.(1)A. Excepti b.(1)A. Excepti a.) b.(1)B. Excepti	5+1/2 planned K LOCATION I ion Zone (within 50) ion Location (existing approval)	EXCEPTION OF Building or apprositing or apprositing or apprositing or apprositing or apprositing the extension of the extensi	ODNS Ing Unit) Ived Oil & Gas Loca Ived Oil & Gas Loca	13961 ation now within a	a Designated S Designated Set	etback as a re	0 esult of
Conductor DESIGNATE Check all that a Rule 604.4 Rule 604.4 Rule 604.4 Rule 604.4 Constructi	Casing is NOT D SETBAC pply: a.(1)A. Exception b.(1)A. Exception b.(1)B. Exception after Location	5+1/2 planned K LOCATION I ion Zone (within 50 ion Location (existion Location (existion approval)	EXCEPTION OO' of Building or appropriating or appropriat	ODNS Ing Unit) Ing Unit) Inved Oil & Gas Location Inved Oil & Gas Location Incomplete the complete of the com	ation now within a cation is within a Caton is within a Caton or	a Designated S Designated Set Defore August	setback as a reback due to B	o esult of uilding Uni
Conductor DESIGNATE Check all that a Rule 604. Rule 604. Rule 604. Rule 604. Rule 604. Rule 604.	Casing is NOT D SETBAC pply: a.(1)A. Exception b.(1)B. Exception on after Location b.(2) Exception b.(3) Exception	5+1/2 planned K LOCATION I ion Zone (within 50 ion Location (existion Location (existion approval)	EXCEPTION OO' of Building or appropriating or appropriat	ODNS Ing Unit) Ing Unit) Inved Oil & Gas Location Inved Oil & Gas Location Incomplete the complete of the com	ation now within a cation is within a Caton is within a Caton or	a Designated S Designated Set Defore August	setback as a reback due to B	o esult of uilding Uni
Conductor DESIGNATE Check all that a Rule 604.	Casing is NOT D SETBAC pply: a.(1)A. Exception b.(1)B. Exception on after Location b.(2) Exception ch.(3) Exception ent plan)	5+1/2 r planned K LOCATION I tion Zone (within 50 tion Location (existion approval) n Location (SUA on Location (Building the control of	EXCEPTION OO' of Building or approciting or approcessor approcessor site-specification of the constitution of the constitutio	ODNS Ing Unit) Ived Oil & Gas Loca Ived Oil & Gas Loca Ic development plan Istructed after Augus	ation now within a cation is within a Canal executed on or	a Designated S Designated Set Defore August	setback as a reback due to B	o esult of uilding Uni
Conductor DESIGNATE Check all that a Rule 604.	Casing is NOT D SETBAC pply: a.(1)A. Exception b.(1)B. Exception on after Location b.(2) Exception ch.(3) Exception ent plan)	5+1/2 planned K LOCATION I ion Zone (within 50 ion Location (existion Location (existion approval)	EXCEPTION OO' of Building or approciting or approcessor approcessor site-specification of the constitution of the constitutio	ODNS Ing Unit) Ived Oil & Gas Loca Ived Oil & Gas Loca Ic development plan Istructed after Augus	ation now within a cation is within a Canal executed on or	a Designated S Designated Set Defore August	setback as a reback due to B	o esult of uilding Uni
Check all that a Rule 604.4 Rule 604.4 Rule 604.4 Rule 604. Rule 604. Rule 604. Constructi Rule 604. Check all that	Casing is NOT D SETBAC pply: a.(1)A. Exception b.(1)B. Exception on after Location b.(2) Exception b.(3) Exception ent plan WATTENBE apply:	5+1/2 planned K LOCATION II ion Zone (within 50 ion Location (existion approval) n Location (SUA on Location (Building ERG AREA LOCATION in Location in Location (Building ERG AREA LOCATION in Lo	EXCEPTION E	ODNS Ing Unit) Ived Oil & Gas Loca Ived Oil & Gas Loca Ic development plan Istructed after Augus	ation now within a cation is within a Canal executed on or	a Designated S Designated Set Defore August	setback as a reback due to B	o esult of uilding Uni
Conductor Conductor Conductor Conductor Conductor Conductor Conductor Conductor Conductor Construction Rule 604. Rule 604. Rule 604. Rule 604. Rule 604. Construction Rule 604. Rule 604. Rule 604. Rule 318	Casing is NOT D SETBAC pply: a.(1)A. Exception b.(1)A. Exception a.) b.(1)B. Exception b.(2) Exception b.(3) Exception ent plan) WATTENBE apply: A.a. Exception	5+1/2 planned K LOCATION I ion Zone (within 50 ion Location (existion approval) n Location (SUA on Location (Building ERG AREA LOCation (GWA Value) n Location (GWA Value)	EXCEPTION DO' of Building ing or approduced approduced in the second control of the se	ODNS Ing Unit) Ived Oil & Gas Loca Ived Oil & Gas Loca Ic development plan Istructed after Augus	ation now within a cation is within a Canal executed on or	a Designated S Designated Set Defore August	setback as a reback due to B	0 esult of uilding Uni
Conductor Construction Conductor Con	Casing is NOT D SETBAC pply: a.(1)A. Exception b.(1)A. Exception a.) b.(1)B. Exception b.(2) Exception b.(3) Exception ent plan) WATTENBE apply: A.a. Exception	5+1/2 planned K LOCATION II ion Zone (within 50 ion Location (existion approval) n Location (SUA on Location (Building ERG AREA LOCATION in Location in Location (Building ERG AREA LOCATION in Lo	EXCEPTION DO' of Building ing or approduced approduced in the second control of the se	ODNS Ing Unit) Ived Oil & Gas Loca Ived Oil & Gas Loca Ic development plan Istructed after Augus	ation now within a cation is within a Canal executed on or	a Designated S Designated Set Defore August	setback as a reback due to B	o esult of uilding Uni

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Rule 50	02.b. Variance Request from COGCC Rule or Spacing Order Number
	CATION EXCEPTIONS
check all that	
neck all triat Pula 9	18.c. Exception Location from Rule or Spacing Order Number
Dula C	og a (a) Exception Location (Property Line Setback).
Al I_ except	ions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. rtifications, SUAs).
OPERATO	R COMMENTS AND SUBMITTAL
Comments	Well is proposed as part of an 8 well pad including the HP Farms 02N-64W-04-1H, HP Farms 02N-64W-04-2H, HP Farms 02N-64W-04-3H, HP Farms 02N-64W-04-5H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-7H, HP Farms 02N-64W-04-8H.
	Surface Use Agreement has waivers for Rules 305, 306, 318A.a & 318A.c. See SUA attached.
This applica	ation is in a Comprehensive Drilling Plan No CDP #:
Location ID	: Yes
ls this appl	ication being submitted with an Oil and Gas Location Assessment application
I hereby ce	ertify all statements made in this form are, to the best of my knowledge, true, correct, and complete.
	Print Name: Kenny Trueax
Signed: Title:	Regulatory Manager Date: 5/8/2017 Email: Regulatory@verdadoil.com
	ne information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
Based on the	ne information provided herein, this Application for Fernit to Ethication provided herein, this Application for Fernit to Ethication for Fernit to
	Director of COGCC Date:
COGCC Ap	proved:Expiration Date:
05	API NUMBER
	Conditions Of Approval
consti	resentations, stipulations and conditions of approval stated in the Form 2A for this location shall tute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are eable to the same extent as all other representations, stipulations and conditions of approval stated in ermit-to-Drill.
COA Typ	Description Description
OUA TYP	
	Best Management Practices

CON CAIN OA 2H

Page 4 of 7

do 1	ВМР/СОА Туре	Description
		Well is planned on a proposed multi-well pad.
- 1	General Housekeeping	Cleanup of trash, scrap, and discarded materials will be conducted at the one of
	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling, and operations associated with CDPHE permits. BMPs for stormwater will be implemented around the perimeter of the pad prior to or during construction and will implemented around the location. These BMPs will remain in place and maintained vary according to the location.
4	Material Handling and Spill Prevention	Drip pans will be used during fueling of equipment to contain spills and leaks. Spill Prevention and Control Countermeasure (SPCC) plans are in place to address any possible spill associated with Oil and Gas operations.
5	Material Handling and Spill Prevention	Cuttings Disposal: During drilling operations, we anticipate 4-5 loads, @ 20 yards per load, of cuttings per day will be transported off-site to an approved disposal facility in load, of cuttings per day will be transported off-site to an approved disposal facility in loads leaving the location will accordance with Verdad's waste management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be have a management plan. All loads leaving the location will be documented. Water-based and Oil-based cuttings will be have a management plan and loads leaving the location will be documented. Water-based and Oil-based cuttings will be have a load of the location will be documented.
6	Dust control	To prevent dust from becoming a nuisance to the public, water trucks will be utilized to spread water across any dust problem areas.
7	7 Noise mitigation	Operator will consult with owners of residents and occupied structures and other stakeholders to reduce impact of noise and light during drilling and completion operations. The direction of prevailing winds is considered when planning the location operations. The direction of prevailing winds is considered when planning the location operations. The direction of prevailing winds is considered when planning the location operations. In order to minimize sound levels during drilling operations at and occupied structures. In order to minimize sound levels during drilling operations at nearby residences, rig generators will be located as far as possible from the residence by rig orientation. Rig lighting will also be directed away from residential units.
	8 Drilling/Completion	Operator will use a closed loop system for drilling and fluid management. No pits will
	Operations 9 Drilling/Completion Operations	Operator will perform anti-collision evaluation of all active (producing, shut-in, of temporarily abandoned) offset wellbores that have the potential of being within 150' feet of the proposed well prior to drilling operations. Notice shall be given to all offset
1	Drilling/Completion Operations	Rule 604.c.I: Upon initial rig-up and at least once every thirty (30) days during chairing operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections shall be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be
-	11 Drilling/Completion Operations	Operator will comply with COGCC policy on bradenhead monitoring during Tryandalic Comply in the Greater Wattenberg Area per policy dated May 29. 2012.
	12 Drilling/Completion Operations	Verdad plans to use a Modular Large Volume Tank (MLVT). The planting tank is a solution of the planting tank is a solutio
	13 Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number well in which open hole logs were run.
	14 Final Reclamation	P&A'd wells will be identified and marked pursuant to 319.a.(5). Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.

Applicable Policies and Notices to Operators

Policy

Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

Att Doc Num	Name
401210033	FORM 2 SUBMITTED
401214012	WELL LOCATION PLAT
401214013	DEVIATED DRILLING PLAN
401214016	DIRECTIONAL DATA
401215347	OFFSET WELL EVALUATION
401273025	EXCEPTION LOC REQUEST
401289848	SURFACE AGRMT/SURETY
401209040	John Marie Land Control of the Contr

Total Attach: 7 Files

General Comments

	General Comments	Comment Date
User Group Permit	Changed PDOP reading on Well Location Tab per operator.	05/30/2017
Permit	Passed Completeness. Returned to draft for:	05/22/2017
Permit	-Well type on Well Location Tab should be horizontal. Returned to draft per operator's request.	05/09/2017
Citini		

Total: 3 comment(s)

	Public C	<u>omments</u>	
	No public comments were received on the	nis application during the comment period.	
,			
1			

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FORM

State of Colorado Oil and Gas Conservation Commission



Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (202) 804 2100 Fay: (303) 894-2109		401210053
08/16 Phone: (303) 894-2100 Fax. (303) 654-2100	TAI W	
APPLICATION FOR PERMIT TO: Recomplete and Opera	ate	
▼ Drill Deepen Re-enter Recomplete and open		Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER	Refiling	05/08/2017
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES	Sidetrack	
Well Number: 02N-64W-0		_ nber: 10651
Name of Operator: VERDAD RESOURCES LLC COGCC	Operator Num	nper:
Address: 5950 CEDAR SPRINGS ROAD City: DALLAS State: TX Zip: 75235		
Contact Name: Kenny Trueax Phone: (720)651-8409 Fax: () Email: Regulatory@verdadoil.com)	
RECLAMATION FINANCIAL ASSURANCE		
Plugging and Abandonment Bond Surety ID: 20172009		
WELL LOCATION INFORMATION QtrQtr: NWSW Sec: 4 Twp: 2N Rng: 64W Meridian: 6 Latitude: 40.166701 Longitude: -104.561129 FOOTage at Surface: 2375 Feet FSL 1320 Feet FWL WATTENBERG Field Number: 90750		
Field Name: WATTENBERG Field Number: 30755 Ground Elevation: 4893 County: WELD		
CDS Data:	Alan Hnizdo	
Date of Measurement: 02/02/2017		
If well is Directional IX: Honzoniar (highly defined)	FEL	FWL
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Flore: FNL/FSL 1110 FWL 460 FSL		NL CANN
Sec: 4 Twp: 2N Rng: 64W Sec: 9 Twp:	2N R	ng: _64W_
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT		
Sectoral Indian		
Surface Ownership: IX Fee State Surface hence the location.		
The Surface Owner is: is the mineral owner behoat and research to committed to an Oil and Gas Lease.		
has signed the Oil and Gas Lease.		
is the applicant.		
The Mineral Owner beneath this Oil and Gas Location is: 🔀 Fee State Feder	al India	n
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes		
The right to construct the Oil and Gas Location is granted by: Surface Use Agreement Surface Use Agreement	Curaty ID:	
Surface damage assurance if no agreement is in place:	Surety ID:	

ASE INFORMATION ing standard QtrQtr, Sec, Toneath surface location if pro	duced. Attach sepa	rate description page or ma	p if necessary	<i>(</i> .)	
SW/4 Sec. 4, 2N 64W					
	160	Described Mineral Lease	is: 🔽 Fee	State	Federal Indian
tal Acres in Described Leas	se:				
deral or State Lease #	tion of Wollborg to	Nearest Lease Line of descr	ibed lease:	0 Fee	t
			١,	NSTRUCTIONS:	
ULTURAL DISTANCE	INFORMATION		-	- All measurements s the Proposed Well t	shall be provided from center of nearest of each cultural
stance to nearest:	v	F t	1	feature as described - Enter 5280 for dist	ance greater than 1 mile.
· ·	ilding:5280		1	Building - nearest b	ouilding of any type. If nearest
Building			į	hoth	Unit, enter same distance for
High Occupancy Building			ļ	Building Unit High	Occupancy Building Unit, and Activity Area - as defined in
Designated Outside Activity		•		Designated Outside 100-Series Rules.	ALLIVILY AICA - as actified in
Public		-	ļ		
Above Ground	7000	Feet			
		Feet			
Propert	y Line: 255	Feet		D. ff 7000 25 6	described in Rule 604.a.(2), withir
DESIGNATED SETBA NFORMATION Check all that apply. This lo		Buffer Zone Exception Zone		within 500' of a Bu	as described in Rule 604.a.(1),
		Urban Mitigation Area			·
Date of Rule 305.a.(1)	Urban Mitigation A	n is within 1,000 feet of a burea Notification to Local Go	vernment		
Date of Rule 305.a.(2)	Buffer Zone Notific	ation to Building Unit Owne	rs: 		
	ortion of proposed v	wellbore to nearest complet	ed portion of c	offset wellbore peri	mitted or completed in the
	Feet Portion of Wellbore	to Nearest Unit Boundary	460F		r distance greater than 1 mile.)
Federal or State Unit Nam				Unit Num -	nber:
SPACING & FORMA					
SPACING & FURMA	TIONS CONNIC	WA: Soc. 9: W/2: 480 acres			
DSU configuration: T2N	N-R64W: Sec. 4: SV	V/4; Sec. 9: W/2; 480 acres			
OBJECTIVE FORMA	TIONS				N/2 CE// 2
Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage	Assigned to Well	Unit Configuration (N/2, SE/4, e
ODJOURIO . C. Marie Land		I		ì	

RILLING PRO Proposed Total N								
roposeu rotalii	Dont	h: 13963 Fe	et					
Distance from th	a proposed we	llbore to nearest e	existing or pro	oposed wellbore be	longing to anoth	er operator, inc	aluding plugge	d wells:
JISIANCE HOIH IN	toce than or en	ual to 1,500 feet:	984	Feet No v	vell belonging to	another operat	tor within 1,50	00 feet
Will a closed-loo	p arilling syste	m be used? Ye	during dri	illing operations at o	concentrations gr	eater than		
s H2S gas reaso	onably expecte	d to be encourtier	n H2S Drillin	g Operations Plan)	·			
or equal to 100 p	opm? No	- (II Yes, attach a	No.	,				
Will salt sections	s be encounter	ed during drilling?		– No				
		OI) drilling fluids be						
Will oil based dr	illing fluids be	used? Yes		Ram Rota	ating Head	None		
BOP Equipment	t Type: 🔀 An	nular Preventor	N Double	• • • • • • • • • • • • • • • • • • • •		FII SAMPL	ING	
ROUNDWA	TER BASEL			ONITORING AN	ID WATER W			
Water well sam	npling required	per Rule 318	<u>A</u>					
JEILLING WI	ASTE MANA	GEMENT PRO	OGRAM					
			Drilling Elu	iids Disposal Metho	ods: Commercial	Disposal		
Drilling Fluids [tings Disposal Meth				
Cuttings Dispo	sal: OFFSI	TE	Cutt	ungs Disposar meti	iou. Commorcial			
Other Disposa	I Description:							
Panaficial re	ouse or land ar	plication plan sub	mitted?					
				mher:				
Reuse Fac	cility ID:	or Do			_			
CASING PRO	JGRAM						6 LDI	Cmt Ton
		Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
Casing Type		Size of Casing	65	0	80	40	80	Cmt Top 0 0
Casing Type	24 13+1/2	18 9+5/8	65 36	0	80 1700			0
Casing Type CONDUCTOR SURF	24 13+1/2 8+1/2	18 9+5/8 5+1/2	65	0	80	40 462	80 1700	0
Casing Type CONDUCTOR SURF 1ST Conductor	24 13+1/2 8+1/2 Casing is NOT	18 9+5/8 5+1/2 planned	65 36 20	0 0 0	80 1700	40 462	80 1700	0
Casing Type CONDUCTOR SURF 1ST Conductor	24 13+1/2 8+1/2 Casing is NOT	18 9+5/8 5+1/2	65 36 20	0 0 0	80 1700	40 462	80 1700	0
Casing Type CONDUCTOR SURF 1ST Conductor	24 13+1/2 8+1/2 Casing is NOT	18 9+5/8 5+1/2 planned	65 36 20	0 0 0	80 1700	40 462	80 1700	0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	24 13+1/2 8+1/2 Casing is NOT ED SETBAC	18 9+5/8 5+1/2 planned K LOCATION I	65 36 20 EXCEPTIO	0 0 0 0	80 1700 13963	40 462 1803	80 1700 13963	0 0 0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	24 13+1/2 8+1/2 Casing is NOT ED SETBAC	18 9+5/8 5+1/2 planned K LOCATION I	65 36 20 EXCEPTIO	0 0 0 0	80 1700 13963	40 462 1803	80 1700 13963	0 0 0
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THE TOTAL CAME OF ALL

Rule 5	02.b. Variance Request fro	m COGCC Rule o	r Spacing Ord	der Number		-	
	CATION EXCEPTION						
Check all that	apply:						
Rule 3	18.c. Exception Location fro	om Rule or Spacin	ıg Order Num	ber			
The Davids Co	on a (2) Exception Location	n (Property Line Se	etback).				
Al I. except	iions and variances require ertifications, SUAs).	attached Request	t Letter(s). Ro	efer to applicable	rule for add	itional required attachments (e.g.	
ODEDATO	R COMMENTS AND	SUBMITTAL					
Comments	Well is proposed as part of Farms 02N-64W-04-3H, H02N-64W-04-7H, HP Farm	of an 8 well pad ind HP Farms 02N-64\ ms 02N-64W-04-8	H.	, anne		P Farms 02N-64W-04-2H, HP Farms 02N-64W-04-6H, HP Farms	1
	is AL and not subject to p	re-trac notification	Tequirement	J.		ed from the COGCC site. This wel	
	Surface Use Agreement	าas waivers for Ru	ıles 305, 306,	318A.a & 318A.c	c. See SUA	attached.	
This applica	ation is in a Comprehensive	e Drilling Plan	No	CDP #:			
Location ID							
Is this app	lication being submitted wi	th an Oil and Gas	Location Ass	essment application	on?	Yes	
to true app	ertify all statements made i	n this form are. to	the best of m	y knowledge, true	e, correct, ar	nd complete.	
I hereby co	entity all statements made t	if the form are, is		Print Name: Ke			
Signed:				Print Name. No	Filly Tracas		
Title:	Regulatory Manager		Date:	5/8/2017	Email:	ktrueax@verdadoil.com	-
Based on ti	ne information provided her by approved.	rein, this Applicatio	on for Permit-	to-Drill complies v	with COGCO	Rules and applicable orders	
	•		Dir	ector of COGCC	Date:		
COGCC A	oproved	 1		Expi			
05	API NUMBER]					
		Co	onditions	Of Approv	<u>al</u>		
consti	oresentations, stipulations tute representations, s reable to the same exte remit-to-Drill.	ons and conditi tipulations and ent as all other I	ions of app conditions representat	roval stated in of approval fo ions, stipulatio	the Form or this For ons and co	2A for this location shall m 2 Permit-to-Drill and are Inditions of approval stated i	n
COA Tyr	<u>oe</u>	<u>Description</u>					
		Best	Managen	nent Practic	es		
No BM	IP/COA Type	mlullan					ob
	neral Housekeeping	Cleanup of tra				be conducted at the end of ea	חכ
2 Ge	neral Housekeeping		e added in o s transported	rder to denyara d from the wells		cessively muddy, additional fill ronment and reduce the amour location to off-site areas.	
11 1				CALL ON ALL		Page	4 of 7

3	Material Handling and Spill Prevention	Drip pans will be used during fueling of equipment to contain spills and leaks. Visual inspections of pipe and connections will be performed frequently to detect leaks which will be immediately corrected, repaired and reported to COGCC as required. Spill prevention Control Countermeasure (SPCC) will be in place to address any possible spill associated with oil and gas operations.
4	Material Handling and Spill Prevention	During drilling operations, we anticipate 4-5 loads, @ 20 yards per load, of cuttings per day will be transported off-site to an approved disposal facility in accordance with Operator's waste management plan. All loads leaving the location will have a manifest and will be documented. Water-based and Oil-based cuttings will be disposed of offsite and at a licensed, commercial disposal site.
5	Dust control	To prevent dust from becoming a nuisance to the public, water trucks will be utilized to
6	Noise mitigation	Operator will consult with owners of residents and occupied structures and other stakeholders to reduce impact of noise and light during drilling and completion operations. The direction of prevailing winds is considered when planning the location in order to mitigate odor and noise from being a nuisance to the surrounding residents and occupied structures. In order to minimize sound levels during drilling operations at nearby residences, rig generators will be located as far as possible from the residence
7	Odor mitigation	Hydrocarbon odors from production facilities are minimized and eliminated by keeping produced fluid hydrocarbons and natural gas contained within pipes, separators, tanks and combustors. All tanks will be sealed with thief hatches and gaskets. Tank vapors
8	B Drilling/Completion Operations	Operator will use a closed loop system for drilling and fluid management. No pits will
9	Drilling/Completion Operations	Operator will perform anti-collision evaluation of all active (producing, shut-in, of temporarily abandoned) offset wellbores that have the potential of being within 150' feet of the proposed well prior to drilling operations. Notice shall be given to all offset
10	0 Drilling/Completion Operations	Rule 604.c.l: Upon initial rig-up and at least once every thirty (30) days during drilling operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections shall be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be
1	1 Drilling/Completion Operations	Operator will comply with COGCC policy on bradenhead monitoring during Hydraulic Comply with CogCC policy on bradenhead monitoring during Hydraulic CogCC policy
1	Drilling/Completion Operations	Verdad plans to use a Modular Large Volume Tank (MLVT). The planned tank is a 36 BBL tank approximately 148' in diameter. The MLVT is manufactured by Big Holdings and will be supplied and set up by a third-party vendor. Verdad will follow the COGCO guidance policy dated June 13, 2014 on the use of MLVTs.
	Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number the well in which open hole logs were run.
	14 Final Reclamation	P&A'd wells will be identified and marked pursuant to 319.a.(5). Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.

Policy

Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

Att Doc Num	Name
401210053	FORM 2 SUBMITTED
401214018	WELL LOCATION PLAT
401214019	DEVIATED DRILLING PLAN
401214020	DIRECTIONAL DATA
401215349	OFFSET WELL EVALUATION
401273074	EXCEPTION LOC REQUEST
	SURFACE AGRMT/SURETY
401289867	

Total Attach: 7 Files

General Comments

	<u>General Comments</u>	Comment Date
<u>User Group</u>	Comment	05/30/2017
111 0111111	Passed Completeness.	05/22/2017
111 0111111	Returned to draft per operator's request.	05/09/2017
Permit	Returned to draft per operator's request.	

	Public Comments	
	No public comments were received on this application during the comment p	period.
L	По разлечи	
- 1		

COLL CATHLOA ALL

FORM 2

Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401210074

▼ Drill □ Dee	epen Re-enter	Recomplete and Op	erate	Date Received:
16.1	GAS COALBED OTHER		Refiling	05/08/2017
TYPE OF WELL OIL X ZONE TYPE SINGLE ZO	CAO : COM	MINGLE ZONES	Sidetrack T	
Well Name: HP Farms		Well Number: 02N-64V		
Name of Operator: VERDA	D RESOURCES LLC	COGC	CC Operator Nur	mber:10651
Address: 5950 CEDAR SPF	RINGS ROAD			
City: DALLAS	State: TX Z	p: _75235		
Contact Name: Kenny Email: Regulatory	/@verdadoil.com	651-8409 Fax: ()	
RECLAMATION FINA Plugging and Abandonment				
Latitude: 40.166701 Footage at Surface: Field Name: WATTENBE Ground Elevation: 48	FNL/FSL 2375 Feet FSL 2375 Feet FSL 2375 Feet FSL 393 County: V William Horizontal (highly deviated) su Done: FNL/FSL FEL/FWL	FEL/FWL 40 Feet FWL 90750	FEL 1320 F	/FWL WL
Sec:	4 Twp: 2N Rng: 64W	Sec: 9 Twp	o: <u>2N</u> R 	ng:64W
Surface Ownership: 🔀 The Surface Owner is: (check all that apply) The Mineral Owner beneath this The right to construct the	Fee State Federal I is the mineral owner beneath the local is committed to an Oil and Gas Lease has signed the Oil and Gas Lease. Is the applicant. ath this Oil and Gas Location is: X Fee soil and Gas Location will be developed by Oil and Gas Location is granted by: Surnce if no agreement is in place:	ndian ion. State Fed y this Well: Yes face Use Agreement	eral India	n

res consisting of NS	of: T2N-R64W: Sec. 4: SW/ Spacing Order Number(s)		Assigned to Well	Unit Configuration (N/2, SE/4, et
res consisting of	of: T2N-R64W: Sec. 4: SW/	4; Sec. 9: W/2		
VS COMME	of: T2N-R64W: Sec. 4: SW/	4; Sec. 9: W/2		
10.00145	G I VI			
:(lage			Unit Nun	nber:
on of Wellbore	to Nearest Unit Boundary	F	eet (Enter 5280 fo	r distance greater than 1 mile.)
et				
n of proposed	wellbore to nearest complet	ed portion of c	offset wellbore per	mitted or completed in the
RMATION				
er Zone Notific	cation to Building Unit Owne	15.		
an Mitigation A	rea Notification to Local Go	verimment		
uired if locatio	on is within 1,000 feet of a b	vornment:		
	Urban Mitigation Area			
	Exception Zone Lighton Mitigation Area	1	Rules.	
n is within a:	Buffer Zone		- Urban Mitigation	Area - as defined in 100-Series
	D #== 7		within 500' of a Bu	as described in Rule 604.a.(1), illding Unit.
LOCATION			1 000' of a Buildin	z Unit
·	- -		- Buffer Zone – as i	described in Rule 604.a.(2), withir
	Feet Feet			
,	Feet			
	Feet	!		
	Feet		Designated Outside 100-Series Rules.	Activity Area - as defined in
	Feet		- Building Unit, High	Occupancy Building Unit, and
	Feet 		Building is a Buildin both.	g Unit, enter same distance for
	Feet 	i	_ Ruilding - nearest	building of any type. It nearest
		1.	feature as described	d in Rule 303.a.(5). ance greater than 1 mile.
ORMATION	N		- All measurements	shall be provided from center of to nearest of each cultural
		į,	NSTRUCTIONS:	
of Wellbore to	Nearest Lease Line of desc	ribed lease:	0 Fee	ot
160	Described Mineral Lease	e is: 👿 Fee	State	Federal Indian
ang iormat, de. ed. Attach sepa	arate description page or ma	ap if necessary	/.)	
-	Rng format, de ed. Attach sepa	Su. Altaon soparate service	- Altaon osparate accomp	Rng format, describe one entire mineral lease that will be produced by this ed. Attach separate description page or map if necessary.)

RILLING PRO		L. 44000 Eco	ıt.					
Proposed Total N	/leasured Dept	h: 14060 Fee	uiotina or pro	anosed wellhore he	longing to anothe	er operator, inc	cluding plugge	d wells:
roposed Total Measured Depth140001 oct. Pistance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells: Inter distance if less than or equal to 1,500 feet:1105 Feet								
				reet NOV	YOU DOINING IO	. !		
Will a closed-loo	p drilling syste	m be used? Ye	es			entar than		
s H2S gas reas	onably expecte	d to be encounter	ed during dri	lling operations at o	concentrations gr	המובו ווומוז		
or equal to 100	opm? No	(If Yes, attach a	n H2S Drillin	g Operations Plan)				
Will salt sections be encountered during drilling? No								
Will salt based (>15,000 ppm (CI) drilling fluids be	used?	No				
Will oil based dr	illing fluids be	used? Yes	_		,	None		
BOP Equipmen	t Type: ເ⊠ An	nular Preventor	Double	• • • • • • • • • • • • • • • • • • • •	ating Head	·		
BOUNDWA	TER BASEL	INE SAMPLING	G AND MO	ONITORING AN	ID WATER W	ELL SAMPL	LING	
Water well san								
RILLING WA	ASTE MANA	GEMENT PRO	Jaraivi			Dienesal		
Drilling Fluids	Disposal: C)FFSITE		ids Disposal Metho				
Cuttings Dispo			Cutt	ings Disposal Meth	nod: Commercial	Disposal		
Other Disposa								
Olifor Biopood								
		10 11I-	mittod?					
Beneficial r	euse or land ap	pplication plan sub						
Reuse Fa	cility ID:	or Do	cument Nun	nber:				
CASING PRO		Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
	Size of Hole	Size of Casing	65	0	80	70	80	0
CONDUCTOR SURF	13+1/2	9+5/8	36	0	1700	462	1700 14060	0
1ST	8+1/2	5+1/2	20	0	14060	1813	14000	
Conductor	Casing is NOT							
DESIGNATE	D SETBAC	K LOCATION I	EXCEPTION	ONS			•	
Check all that a								
i		on Zone (within 50	00' of Buildin	g Unit)			Nothagle so o "	acult of
Rule 604.	b.(1)A. Except	on Location (exist	ing or appro	ved Oil & Gas Loca	ation now within a	n Designated S	веграск аз а ге	zouii Ui
1								
Rule 604	b.(1)B. Except	on appioval)		ved Oil & Gas Loca				ananig oil
Rule 604	.b.(2) Exceptio	n Location (SUA o	r site-specifi	c development plar	n executed on or	perore August	. 1, 2010)	enecific
	.b.(3) Exceptio	n Location (Buildir	g Units cons	structed after Augu	st 1, 2013 within	setback per a	II SUA OF SIL O- S	shaome
developn	nent plan)							
GREATER	WATTENBE	RG AREA LO	CATION E	XCEPTIONS				
Check all that	apply:							
	A.a. Exception	Location (GWA V	Vindows).					
Rule 318	3A.c. Exception	Location (GWA T	winning).					
II		E REQUEST						
	- W/ 11 11/ 11 1 -							

CON CAM DA EU

		A. J. Ni. ober						
Rule 5	02.b. Variance Request from	m COGCC Rule or Spacing Order Number						
THER LO	CATION EXCEPTION	IS Control of the con						
Check all that apply:								
Rule 3	318.c. Exception Location from Rule or Spacing Order Number							
Rule 6	03.a.(2) Exception Locatior	and the Location (Property Line Setback).						
ALL except waivers, ce	tions and variances require rtifications, SUAs).	attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.						
PERATO	R COMMENTS AND	SUBMITTAL						
omments	Well is part of the 8 well p Farms 02N-64W-04-3H, H	ad consisting of the proposed HP Farms 02N-64W-04-1H, HP Farms 02N-64W-04-2H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-8H.						
	Nearest existing non-op v	vell is the HSR-GUTTERSEN #6-4 which is 1105' as measured from the COGCC site. This well re-frac notification.						
	Surface Use Agreement I	has waivers for Rules 305, 306, 318A.a & 318A.c. See SUA attached.						
This applic	ation is in a Comprehensive	e Drilling PlanNoCDP #:						
opation IF	١٠							
Is this app	application being submitted with an Oil and Gas Location Assessment application?							
I I malay o	ortificall statements made i	n this form are, to the best of my knowledge, true, correct, and complete.						
i nereby c		Drint Namo: Kenny Trueax						
Signed:								
Title:	Regulatory Manager	Date:5/8/2017 Email: Regulatory@verdadoil.com						
Based on t	he information provided he	rein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders						
	eby approved.	Director of COGCC Date:						
COGCC A	pproved:	Expiration Date:						
05	API NUMBER							
		Conditions Of Approval						
const	presentations, stipulati itute representations, s ceable to the same exte ermit-to-Drill.	ons and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in						
COA Ty		<u>Description</u>						
		Best Management Practices						
No Di	MP/COA Type							
	eneral Housekeeping	Cleanup of trash, scrap, and discarded materials will be conducted at the end of each						
2 G	eneral Housekeeping	Mud control: when conditions exist that roads are excessively muddy, additional fill material will be added in order to dehydrate the environment and reduce the amount material that is transported from the wells roads and location to off-site areas.						

	Material Handling and Spill Prevention	Drip pans will be used during fueling of equipment to contain spills and leaks. Visual inspections of pipe and connections will be performed frequently to detect leaks which will be immediately corrected, repaired and reported to COGCC as required. Spill prevention Control Countermeasure (SPCC) will be in place to address any possible spill associated with oil and gas operations.
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1	1 Drilling/Completion Operations	Operator will comply with COGCC policy on bradenhead monitoring during right additional comply with Cogco policy on bradenhead monitoring during right additional complex policy dated May 29. 2012.
1	2 Drilling/Completion Operations	Verdad plans to use a Modular Large Volume Tank (MLV1). The planned tank is a 30 BBL tank approximately 148' in diameter. The MLVT is manufactured by Big Holding and will be supplied and set up by a third-party vendor. Verdad will follow the COGC and wild and policy dated June 13, 2014 on the use of MLVTs.
	Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number the well in which open hole logs were run.
	14 Final Reclamation	P&A'd wells will be identified and marked pursuant to 319.a.(5). Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.

Policy

Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

Att Doc Num	<u>Name</u>
401210074	FORM 2 SUBMITTED
401214023	DIRECTIONAL DATA
401214024	WELL LOCATION PLAT
401214025	DEVIATED DRILLING PLAN
401215359	OFFSET WELL EVALUATION
401273068	EXCEPTION LOC REQUEST
401289871	SURFACE AGRMT/SURETY
401200071	

Total Attach: 7 Files

General Comments

	General Comments	Comment Date
<u>User Group</u>	Comment	05/30/2017
111 0111111	Passed Completeness.	05/22/2017
Permit	Returned to draft per operator's request.	05/09/2017
Permit	Returned to draft per operator's request.	00,700

Public Comments	
 No public comments were received on this application during the comme	ent period.
,	
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TOTAL DAME OF ELL

Page 7 of 7

FORM 2

State of Colorado

Oil and Gas Conservation Commission



2 Rev 08/16	Oil and Gas (1120 Lincoln Stree Phone: (303	Conservatior et, Suite 801, Denve 8) 894-2100 Fax: (3	er. Colorado 80	SION 203	C		401210095
		TION FOR PE	RMIT TO:	Recomple	te and Ope	erate	
▼ Drill	Deepen	Re-er	nter	Tiecompio			Date Received:
YPE OF WELL	OIL X GAS	COALBED	OTHER _			Refiling	05/08/2017
	INGLE ZONE 🔀	MULTIPLE ZONES		NGLE ZONES	1	Sidetrack	
Vell Name: HP Fa	arms			Well Number:			 umber: 10651
ame of Operator:	VERDAD RESOU	RCES LLC			- COGU	C Operator N	uttiber: 10001
	DAR SPRINGS RC						
City: DALLAS		State: TX	Zip:	75235 	_		
Contact Name: K	enny Trueax trueax@verdadoil.c		Phone: <u>(720)65</u>	1-8409	Fax: ()	
WELL LOCAT OutrOtr: NWSW Latitude: 40	_	Twp: 2N	Rng: 64W _ongitude:1				
		FNL/FSI Feet FSL			EL/FWL FWL		
Footage at S			eld Number:	90750)		
Field Name: W/			County: WE	LD			
Ground Elevatior GPS Data:		DDOD Boading	15 Instru	ment Operato	or's Name:	Alan Hnizdo	
	ement: 02/02/2017			nit deviated d			
If well is Dir		Horizontal (highly de	,		FNL/FSL		EL/FWL
Footage at Top o	of Prod Zone: FNL/	-OL	FWL	460	FSL	1530	FWL
	2180 FS Sec: 4		ng: 64W	Sec: 9	Twp	: 2N	Rng: 64W
				TDUCT			
LOCATION S	SURFACE & MIN	NERALS & RIGH	11 TO CON	SIRUCI			
Surface Owners	hip: Ⅸ Fee	State Fe					
The Surface Ow (check all that a	11101 101	mineral owner ben		т /			

is committed to an Oil an has signed the Oil and Gas Lease. is the applicant. State Federal Indian The Mineral Owner beneath this Oil and Gas Location is: 💢 Fee The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes The right to construct the Oil and Gas Location is granted by: Surface Use Agreement Surface Surety ID: Surface damage assurance if no agreement is in place:

neath surface location if produced	duced. Attach sep	escribe one entire mineral lea earate description page or ma			
SW/4 Sec. 4 2N 64W				,	Federal Indian
tal Acres in Described Leas	e: 160	Described Mineral Lease	is: 🔀 Fee	State	rederal malaci
doral or State Lease #		_		۳	£
stance from Completed Port	tion of Wellbore to	Nearest Lease Line of desc	ribed lease:	Fee	
ULTURAL DISTANCE				the Proposed Well 1	shall be provided from center of to nearest of each cultural
stance to nearest:				feature as described	in Rule 303.a.(5).
Bui		Feet		Building - nearest l	ance greater than 1 mile. building of any type. If nearest
Building		5 Feet		Building is a Building	g Unit, enter same distance for
High Occupancy Building		Feet		both. - Building Unit, High	Occupancy Building Unit, and
Designated Outside Activity		0 Feet		Designated Outside 100-Series Rules.	Activity Area - as defined in
Public		0 Feet		100-series kules.	
Above Ground		.1 Feet	•		
Ra		0 Feet			
Property	y Line: 25	55 Feet			described in Rule 604.a.(2), withi
NFORMATION Check all that apply. This loa		Exception Zone Urban Mitigation Area		within 500' of a Bi	as described in Rule 604.a.(1), illding Unit. Area - as defined in 100-Series
Pre-application Notifications	s (required if locati	ion is within 1,000 feet of a b	uilding unit):		
Date of Rule 305.a.(1)	Urban Mitigation	Area Notification to Local Go	vernment		
Date of Rule 305.a.(2)	Buffer Zone Notif	ication to Building Unit Owne	ers: 		
same formation: 210	ortion of proposed Feet	d wellbore to nearest comple			mitted or completed in the r distance greater than 1 mile
Distance from Completed I	Portion of Wellbor	e to Nearest Unit Boundary	460 H		
Federal or State Unit Nam	e (if appl):			Unit inun —	nber:
SPACING & FORMA					
OFACING G LOTHINA	O parce consisting	g of: T2N-R64W: Sec. 4: SW	/4; Sec. 9: W/	2	
DSU configuration = 48	O acres consisting	9 01. 1211 110 1111 2 2 2			
OBJECTIVE FORMA	TIONS Formation Code	Spacing Order Number(s)	Unit Acreag	e Assigned to Well	Unit Configuration (N/2, SE/4,
Objective Formation(s)					

---- 0 AM 04 CH

alli ING PRO	GRAM							'
		h: <u>13953</u> Feet				tor incl	udina nluaded	wells:
Distance from the	e proposed wel	h: Ilbore to nearest ex	isting or prop	oosed wellbore bel	onging to anothe	er operator, inci	uumg pluggoo) feet
Enter distance if	less than or eq	ual to 1,500 feet:	F	eet 🔀 No w	ell belonging to a	another operation	of William 1,000	
unu - Isaad loo	n drilling syster	m be used? Yes	3					
	anably ovnecte	d to be encountere	d during drill	ing operations at c	oncentrations gr	eater than		
or equal to 100 r	opm? No	(If Yes, attach an	H2S Drilling	Operations Plan)				
Will calt sections	s be encountered	ed during drilling?	No	-				
Will salt based (>15.000 ppm C	CI) drilling fluids be	used?	No				
		used? Yes				Spanish A		
DOD Eimmoni	+Type IV Ani	nular Preventor	🔀 Double F	•=	ting Head	None		
DOI Equipmen	TED BASE	INE SAMPLING	AND MO	NITORING AN	D WATER WI	ELL SAMPL	ING	
Water well sam								
ORILLING WA	ASTE MANA	GEMENT PRO	GKAM		day Commorgial	Disposal		
Drilling Fluids	Disposal: C	OFFSITE	Drilling Flui	ds Disposal Metho	ds: Commercial	Diopocal		
	sal: OFFS		Cutti	ngs Disposal Meth	od: Commerciai	Disposai		
Other Disposa								
Cities 2.14								
D-neficial r	ouse or land at	pplication plan subi	mitted?					
Beneliciai	edge of fame of	or Do	cument Num	ber:				
		01.00	Guillotte		-			
Reuse Fa				ber:	-			
						Sacks Cmt	Cmt Btm	Cmt Top
CASING PRO	OGRAM		Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm 80	Cmt Top
CASING PRO	OGRAM	Size of Casing	<u>Wt/Ft</u> 65	Csg/Liner Top				0
CASING PRO	OGRAM Size of Hole 24 13+1/2	<u>Size of Casing</u> 16 9+5/8	<u>Wt/Ft</u> 65 36	Csg/Liner Top	Setting Depth	70	80	0
CASING PRO Casing Type CONDUCTOR SURF	OGRAM Size of Hole 24 13+1/2 8+1/2	Size of Casing 16 9+5/8 5+1/2	<u>Wt/Ft</u> 65	Csg/Liner Top 0 0	Setting Depth 80 1700	70 462	80 1700	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor	OGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOT	Size of Casing 16 9+5/8 5+1/2	<u>Wt/Ft</u> 65 36 20	Csg/Liner Top 0 0 0	Setting Depth 80 1700	70 462	80 1700	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE	OGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOTED SETBAC	Size of Casing 16 9+5/8 5+1/2	<u>Wt/Ft</u> 65 36 20	Csg/Liner Top 0 0 0	Setting Depth 80 1700	70 462	80 1700	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATI	OGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOTED SETBAC apply:	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E	<u>Wt/Ft</u> 65 36 20 EXCEPTIO	Csg/Liner Top 0 0 0 0	80 1700 13953	70 462 1802	80 1700 13953	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATI	OGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOTED SETBAC apply:	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E	<u>Wt/Ft</u> 65 36 20 EXCEPTIO	Csg/Liner Top 0 0 0 0	80 1700 13953	70 462 1802	80 1700 13953	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	OGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: .a.(1)A. Except .b.(1)A. Except	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E tion Zone (within 50) tion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or approven	Csg/Liner Top 0 0 0 0 0 DNS g Unit) ved Oil & Gas Loca	Setting Depth 80 1700 13953 ation now within a	70 462 1802	80 1700 13953 setback as a re	0 0 0
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CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604	OGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: .a.(1)A. Except .b.(1)A. Except .a.) I.b.(1)B. Except	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E tion Zone (within 50 tion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or approvening or approv	Csg/Liner Top 0 0 0 0 0 DNS g Unit) ved Oil & Gas Loca ved Oil & Gas Loca	Setting Depth 80 1700 13953 ation now within a	70 462 1802 a Designated S	80 1700 13953 Setback as a reback due to B	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Construct	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: .a.(1)A. Except .b.(1)A. Except .a.) 1.b.(1)B. Except tion after Locat	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E tion Zone (within 50 tion Location (exist tion approval)	Wt/Ft 65 36 20 EXCEPTION Of Building or approvening or approvenin	Csg/Liner Top 0 0 0 0 0 NS g Unit) ved Oil & Gas Loca c development plat	Setting Depth 80 1700 13953 ation now within a line executed on or	70 462 1802 a Designated Set Designated Set	80 1700 13953 setback as a reback due to B	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that and the conductor Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Rule 604	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: .a.(1)A. Except .b.(1)A. Except tion after Locat 4.b.(2) Exception ment plan)	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E tion Zone (within 50 tion Location (exist tion approval) on Location (SUA on Location (Building to the control of the control (Building to	Wt/Ft 65 36 20 EXCEPTION On of Building or approvening or approvening or approvening or approvening or approvening Units consistent of the second of the se	Csg/Liner Top 0 0 0 0 DNS g Unit) ved Oil & Gas Loca ved Oil & Gas Loca c development plan structed after Augu	Setting Depth 80 1700 13953 ation now within a line executed on or	70 462 1802 a Designated Set Designated Set	80 1700 13953 setback as a reback due to B	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that and the conductor Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Rule 604 Construct Rule 604	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: .a.(1)A. Except .b.(1)A. Except tion after Locat 4.b.(2) Exception ment plan)	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E tion Zone (within 50 tion Location (exist tion approval) on Location (SUA on Location (Building to the control of the control (Building to	Wt/Ft 65 36 20 EXCEPTION On of Building or approvening or approvening or approvening or approvening or approvening Units consistent of the second of the se	Csg/Liner Top 0 0 0 0 DNS g Unit) ved Oil & Gas Loca ved Oil & Gas Loca c development plan structed after Augu	Setting Depth 80 1700 13953 ation now within a line executed on or	70 462 1802 a Designated Set Designated Set	80 1700 13953 setback as a reback due to B	0 0 0 esult of uilding Unit
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CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that at the constructor Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Constructor Rule 604 Constructor Rule 604	Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: .a.(1)A. Except b.b.(1)A. Except c.a.) I.b.(1)B. Except tion after Locat 4.b.(2) Exception ment plan) WATTENBI t apply: 8A.a. Exception 8A.c. Exception	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION E tion Zone (within 50 tion Location (exist tion approval) on Location (SUA or Location (Buildin Loca	Wt/Ft 65 36 20 EXCEPTION OF Building or approved a proper site-specification of the constant	Csg/Liner Top 0 0 0 0 DNS g Unit) ved Oil & Gas Loca ved Oil & Gas Loca c development plan structed after Augu	Setting Depth 80 1700 13953 ation now within a line executed on or	70 462 1802 a Designated Set Designated Set	80 1700 13953 setback as a reback due to B	0 0 0 esult of uilding Unit

		· Or ing Order Number
Rule 50	02.b. Variance Request from	m COGCC Rule or Spacing Order Number
THER LO	CATION EXCEPTION	IS
ock all that	annly:	
T Rule 31	18.c. Exception Location fro	om Rule or Spacing Order Number
Rule 60	03.a.(2) Exception Location	n (Property Line Setback).
ALL except waivers, ce	tions and variances require artifications, SUAs).	attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
PERATO	R COMMENTS AND	SUBMITTAL
omments	Well is proposed as part of Farms 02N-64W-04-3H, HD Farms	of an 8 well pad including the HP Farms 02N-64W-04-1H, HP Farms 02N-64W-04-2H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-6H, HP Farms 02N-64W-04-8H.
	Nearest existing non-op v is AL and not subject to p	vell is the HSR-GUTTERSEN #6-4 which is 1073' as measured from the COGCC site. This world
	Surface Use Agreement	has waivers for Rules 305, 306, 318A.a & 318A.c. See SUA attached.
This applic	ation is in a Comprehensive	e Drilling Plan No CDP #:
المعلقينا	٠.	
Is this app	olication being submitted wi	th an Oil and Gas Location Assessment application? Yes
l borobir a	ertify all statements made i	n this form are, to the best of my knowledge, true, correct, and complete.
I nereby G		Drint Name: Kenny Trueax
Signed:		
Title:	Regulatory Manager	Date: 5/8/2017 Email: ktrueax@verdadoil.com
Based on t	he information provided he	rein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
and is field	ъру аррготом.	
		Director of COGCC Date:
COGCC A	pproved:	Director of COGCC Date:
COGCC A	pproved:	
COGCC A		
05	API NUMBER	Expiration Date: Conditions Of Approval
05	API NUMBER	Expiration Date: Conditions Of Approval Conditions Of Approval
05	API NUMBER	Expiration Date: Conditions Of Approval Conditions of approval stated in the Form 2A for this location shall cons and conditions of approval stated in the Form 2 Pormit to Drill and are
All rep	API NUMBER presentations, stipulati itute representations, s	Expiration Date: Conditions Of Approval Conditions of approval stated in the Form 2A for this location shall Conditions of approval stated in the Form 2 Pormit to Drill and are
All rep	API NUMBER	Expiration Date: Conditions Of Approval Conditions Of Approval
All rep consti enforce this P	API NUMBER presentations, stipulati itute representations, s ceable to the same extended	Expiration Date: Conditions Of Approval Conditions of approval stated in the Form 2A for this location shall Conditions of approval stated in the Form 2 Pormit to Drill and are
All rep	API NUMBER presentations, stipulati itute representations, s ceable to the same extended	Conditions Of Approval Jons and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in Description
All rep consti enforce this P	API NUMBER presentations, stipulati itute representations, s ceable to the same extended	Conditions Of Approval Jons and conditions of approval stated in the Form 2A for this location shall estipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in Description Description Best Management Practices
All reproductions of this P	API NUMBER presentations, stipulati itute representations, s ceable to the same extent remit-to-Drill.	Conditions Of Approval Jons and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in Description Best Management Practices
All reproductions of this P	API NUMBER presentations, stipulati itute representations, s ceable to the same externit-to-Drill.	Conditions Of Approval Jons and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in Description Best Management Practices

Pr	evention	Drip pans will be used during fueling of equipment to contain spills and leaks. Visual inspections of pipe and connections will be performed frequently to detect leaks which will be immediately corrected, repaired and reported to COGCC as required. Spill prevention Control Countermeasure (SPCC) will be in place to address any possible spill associated with oil and gas operations. During drilling operations, we anticipate 4-5 loads, @ 20 yards per load, of cuttings per During drilling operations, we anticipate 4-5 loads, @ 20 yards per load, of cuttings per During drilling operations.
4 M Pi	aterial Handling and Spill revention	Operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will be disposed of offsite and will be documented. Water-based and Oil-based cuttings will be disposed of offsite and will be documented.
5 D	Oust control	To prevent dust from becoming a nuisance to the public, water tracks the
6 N	Noise mitigation	Operator will consult with owners of residents and occupied strated and completion stakeholders to reduce impact of noise and light during drilling and completion operations. The direction of prevailing winds is considered when planning the location operations. The direction of prevailing winds is considered when planning the location operations. The direction and noise from being a nuisance to the surrounding residents in order to minimize sound levels during drilling operations at and occupied structures. In order to minimize sound levels during drilling operations at nearby residences, rig generators will be located as far as possible from the residence
7	Odor mitigation	Hydrocarbon odors from production facilities are minimized and pipes, separators, tanks, produced fluid hydrocarbons and natural gas contained within pipes, separators, tanks, produced fluid hydrocarbons and natural gas contained within pipes, separators, and combustors.
0	Drilling/Completion	Operator will use a closed loop system for drilling and hard management
	Operations	be dug full parties (producing shut-in, of
9	Drilling/Completion Operations	temporarily abandoned) onset wellbored approach to all onset feet of the proposed well prior to drilling operations. Notice shall be given to all onset
10	Drilling/Completion Operations	Rule 604.c.l: Upon initial rig-up and at least once every trinity (co) days of the operations thereafter, pressure testing of the casing string and each component of the operations thereafter, pressure testing of the casing string and each component of the oblowout prevention equipment including flange connections shall be performed to blowout prevention equipment including flange connections shall be performed to blowout prevention (70%) of the internal seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be conducted on a daily basis when practicable.
1	1 Drilling/Completion Operations	Conducted on a daily basis when practicable. Operator will comply with COGCC policy on bradenhead monitoring during Hydraulic Operator will comply with COGCC policy on bradenhead monitoring during Hydraulic Practuring Treatment in the Greater Wattenberg Area per policy dated May 29. 2012. Fracturing Treatment in the Greater Wattenberg Area per policy dated May 29. 2012. Verdad plans to use a Modular Large Volume Tank (MLVT). The planned tank is a 36 Verdad plans to use a Modular Large Volume Tank (MLVT) is manufactured by Big Holding.
1:	2 Drilling/Completion Operations	BBL tank approximately 146 in diameters wender. Verdad will follow the COGO and will be supplied and set up by a third-party vender. Verdad will follow the COGO and will be supplied and set up by a third-party vender.
1	3 Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open his on the and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma ray run on production casing (or on pad will have a cement bond log with gamma ray run on production casing. The horizontal intermediate casing if production liner is run) into the surface casing. The horizontal intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma ray log. The portion of every well will be logged with a measured-while list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number logs were run").
	14 Final Reclamation	P&A'd wells will be identified and marked pursuant to 319.a.(5). Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.

Policy

Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

Att Doc Num	Name
401210095	FORM 2 SUBMITTED
401214231	DEVIATED DRILLING PLAN
401214235	DIRECTIONAL DATA
401214243	WELL LOCATION PLAT
401215362	OFFSET WELL EVALUATION
401273100	EXCEPTION LOC REQUEST
401289861	SURFACE AGRMT/SURETY
401200001	

Total Attach: 7 Files

General Comments

	General Commence	Comment Date
User Group	Comment	05/31/2017
Permit	-Changed typo in Surety ID number per operatorPer operator, added check to "no offset wells within 1500" on Offset Wells Evaluation Tab.	
	Passed Completeness.	05/22/2017
Permit	Returned to draft for: -Footage at top of production zone does not match platWell type on Well Location Tab should be horizontal.	
	-Well type on Well Location rab should be never to the request	05/09/2017
Permit	Returned to draft per operator's request.	

	Public (<u>Comments</u>		
Li's semmor	ots were received on	this application durin	g the comment period.	
 No public confine	no word res			

FORM 2 Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401210141

APPLICATION FOR PERMIT TO:	
☐ Re-enter ☐ Recomplete and Operate ☐ Recomplete	Date Received:
TYPE OF WELL OIL 😿 GAS COALBED OTHER Sidetra	03/00/2011
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES OILDING	CR
Well Name: HP Farms Well Number: 02N-64W-04-7H COGCC Opera	 tor Number: 10651
Name of Operator: VERDAD RESOURCES LLC	tol Number.
Address: 5950 CEDAR SPRINGS ROAD	
Address: 5950 CEDAR SI MINGO NO STATE: TX Zip: 75235	
Contact Name: Kenny Trueax Phone: (720)394-0933 Fax: ()	
Email: ktrueax@verdadoil.com	
RECLAMATION FINANCIAL ASSURANCE	
Plugging and Abandonment Bond Surety ID: 20172009	
WELL LOCATION INFORMATION QtrQtr: NWSW Sec: 4 Twp: 2N Rng: 64W Meridian: 6 Longitude: -104,560914	
QtrQtr: NWSW	
FNL/FSL Foot EWI	
Footage at Surface: 2375 Feet FSL 1000 - 1000	
Field Name: WATTENBERG	
Ground Elevation: 4892 County: WELD	
DO Date	nizdo
Date of Measurement: 02/02/2017	
If well is Directional IX Honzontal (right) do nately	FEL/FWL
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Flots. 17/10.	FWL
2180 FSL 1740 FWL	
Sec: 4 Twp: 2N Rng: 64VV Coo	
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT	
Surface Ownership: X Fee State Federal Indian	
The Surface Owner is: is the mineral owner beneath the location.	
(check all that apply) is committed to an Oil and Gas Lease.	
has signed the Oil and Gas Lease.	
is the applicant.	Indian
Mineral Owner heneath this Oil and Gas Location is: XI Fee	,,,,,,,,,
Winerale beneath this Oil and Gas Location will be developed by this Well.	
The right to construct the Oil and Gas Location is granted by: Surface Ose Agreement	 v ID:
Surface damage assurance if no agreement is in place:	· · · · · · · · · · · · · · · · · · ·

EASE INFORMATION sing standard QtrQtr, Sec, Tw		ooribo one entire mineral leas	e that will be produced by thi	s well (Describe lease
sing standard QtrQtr, Sec, Tw eneath surface location if prod	o, Rng format, de uced. Attach sepa	arate description page or map	if necessary.)	
SW/4 Sec. 4 2N 64W			o: V Fee State	Federal Indian
otal Acres in Described Lease	: 160	Described Mineral Lease i	s: IX Fee State	i Cuorai
1 1 Otata 0000 #		-	0 Fe	eet
ederal of State Lease #istance from Completed Portic	on of Wellbore to	Nearest Lease Line of descri	ped lease: 0 Fe	
CULTURAL DISTANCE I			INSTRUCTIONS: - All measurement the Proposed Wel	s shall be provided from center of
istance to nearest:			feature as describ	ed in Rule 303.a.(5). stance greater than 1 mile.
Build		Feet -	Building - neares	t huilding of any type. If nearest
Building ⁽		Feet -	hoth	ing Unit, enter same distance for
High Occupancy Building		Feet	Building Unit Hi	gh Occupancy Building Unit, and
Designated Outside Activity A		Feet	Designated Outsi 100-Series Rules.	de Activity Area - as defined in
Public R) Feet	TOO SCITES Malest	
Above Ground U		r Feet -		
Rail) Feet		
Property	Line: 25	5 Feet	- M - 7 0	s described in Rule 604.a.(2), within
DESIGNATED SETBAC INFORMATION Check all that apply. This loca		Buffer Zone Exception Zone	within 500' of a	- as described in Rule 604.a.(1),
		Urban Mitigation Area		
Pre-application Notifications Date of Rule 305.a.(1) U Date of Rule 305.a.(2) B	Jrban Mitigation A	on is within 1,000 feet of a bu Area Notification to Local Gov cation to Building Unit Owner	emment.	
SPACING and UNIT IN	FORMATION	wellbore to nearest complete	ed portion of offset wellbore p	ermitted or completed in the
same formation: 210 Distance from Completed P	Feet - ortion of Wellbore		460 Feet (Enter 5280	for distance greater than 1 mile.)
SPACING & FORMAT				
DSU configuration: T2N-	R64W: Sec. 4: S	W/4; Sec. 9: W/2; 480 acres		
	FIONE			
OBJECTIVE FORMATO Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc

RILLING PRO								
		/0000 Fe-t						
roposed Total M	easured Depth	n: <u>13963</u> Feet		mand wallbare belo	onging to anothe	r operator, incl	uding plugged	wells:
istance from the	proposed wel	lbore to nearest ex	isting or pro	posed wellbore belo	ell helonaina to 8	nother operate	or within 1,50	0 feet
inter distance if l	ess than or eq	ual to 1,500 feet: $_{\scriptscriptstyle -}$	1065	Feet No w	Cli bolongg			
	deilling cyctor	n he used? Yes	3					
s H2S gas reaso	nably expected	d to be encountere	a auting an Hos Drilling	ling operations at co				
or equal to 100 p	pm? No	(If Yes, aπach an	No.	g Operations Plan)				
Will salt sections	be encountered	ed during drilling?	140	– No				
Will salt based (>	-15,000 ppm C	OI) drilling fluids be	usea?					
Will oil based dri	lling fluids be t	used? Yes		Dom F Bota	ting Head	None		
BOP Equipment	Type: 🔀 Ani	nular Preventor	Double I	Ram Rota	n MATED WE	II SAMPL	ING	
ROUNDWAT	ER BASEL	INE SAMPLING	AND MC	ONITORING AN	DAMIEN			
Water well sam	pling required	per Rule 318A	\ <u> </u>					
		GEMENT PRO	GRAM					
			Drilling Flu	iids Disposal Metho	ds: Commercial	Disposal		
		OFFSITE	Cutt	tings Disposal Meth	od: Commercial	Disposal		
Cuttings Dispo			031.	· 5 ,			-	
Other Disposa	Description:							
				<u> </u>				
Popoficial re	euse or land at	oplication plan subi	mitted?					
Dellelloidi		or Do	-umont Nur					
D-usa Ear	oildy U.).	01 00	Camentian	mber:	_			
Reuse Fa		or Do		mber:				
Reuse Fac					Sotting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CASING PRO	OGRAM		<u>Wt/Ft</u>	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CASING PRO	OGRAM	Size of Casing	<u>Wt/Ft</u> 65	Csg/Liner Top	Setting Depth 80 1700	Sacks Cmt 70 462		0
CASING PRO	Size of Hole 24 13+1/2	Size of Casing 16 9+5/8	<u>Wt/Ft</u> 65 36	Csg/Liner Top	80	70	80	0
CASING PRO Casing Type CONDUCTOR SURF	DGRAM Size of Hole 24 13+1/2 8+1/2	Size of Casing 16 9+5/8 5+1/2	<u>Wt/Ft</u> 65	Csg/Liner Top 0 0	80 1700	70 462	80 1700	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor	Size of Hole 24 13+1/2 8+1/2 Casing is NO	Size of Casing 16 9+5/8 5+1/2 planned	<u>Wt/Ft</u> 65 36 20	Csg/Liner Top 0 0 0	80 1700	70 462	80 1700	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor	Size of Hole 24 13+1/2 8+1/2 Casing is NO	Size of Casing 16 9+5/8 5+1/2 planned	<u>Wt/Ft</u> 65 36 20	Csg/Liner Top 0 0 0	80 1700	70 462	80 1700	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE	Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION F	Wt/Ft 65 36 20 EXCEPTION	Csg/Liner Top 0 0 0 0	80 1700	70 462	80 1700	0
CASING PROCESIGNATE Check all that a	Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION I	<u>Wt/Ft</u> 65 36 20 EXCEPTIO	Csg/Liner Top 0 0 0 0	80 1700 13963	70 462 1803	80 1700 13963	0 0
CASING PROCESIGNATE Check all that a	Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION I	<u>Wt/Ft</u> 65 36 20 EXCEPTIO	Csg/Liner Top 0 0 0 0	80 1700 13963	70 462 1803	80 1700 13963	0 0
CASING PROCESING Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Except b.(1)A. Except	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION I	Wt/Ft 65 36 20 EXCEPTION OO' of Building or approximations	Csg/Liner Top 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Loca	80 1700 13963 ation now within a	70 462 1803	80 1700 13963 Setback as a r	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Except b.(1)A. Except a.)	Size of Casing 16 9+5/8 5+1/2 F planned CK LOCATION I tion Zone (within 50) tion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or approximations	Csg/Liner Top 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Loca	80 1700 13963 ation now within a	70 462 1803	80 1700 13963 Setback as a r	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Except b.(1)A. Except a.) b.(1)B. Except	Size of Casing 16 9+5/8 5+1/2 T planned CK LOCATION I tion Zone (within 50) tion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or appropriating or approximating or approximatin	Csg/Liner Top 0 0 0 0 0 ONS Ing Unit) Dived Oil & Gas Locator	ation is within a factor is with	70 462 1803 a Designated S	80 1700 13963 Setback as a r	0 0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604. Rule 604. Rule 604. Rule 604. Rule 604. Construct	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Local	Size of Casing 16 9+5/8 5+1/2 T planned EK LOCATION I tion Zone (within 50 tion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or approximating or approximatin	Csg/Liner Top 0 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Locator Oved Oil & Oved Oil	ation now within a lation is within a lation of executed on or	70 462 1803 a Designated Society before Augus	80 1700 13963 Setback as a r tback due to E t 1, 2013)	esult of
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Local b.b.(2) Exception.	Size of Casing 16 9+5/8 5+1/2 T planned CK LOCATION I tion Zone (within 56 tion Location (exist on Location (exist on Location (SUA con Location (Buildin	Wt/Ft 65 36 20 EXCEPTION OO' of Building or appropriating or appropriatin	Csg/Liner Top 0 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Locator oved Oil & Gas Locator fic development plates instructed after Augustines	ation now within a lation is within a lation of executed on or	70 462 1803 a Designated Society before Augus	80 1700 13963 Setback as a r tback due to E t 1, 2013)	esult of
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Local b.b.(2) Exception.	Size of Casing 16 9+5/8 5+1/2 T planned CK LOCATION I tion Zone (within 56 tion Location (exist on Location (exist on Location (SUA con Location (Buildin	Wt/Ft 65 36 20 EXCEPTION OO' of Building or appropriating or appropriatin	Csg/Liner Top 0 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Locator oved Oil & Gas Locator fic development plates instructed after Augustines	ation now within a lation is within a lation of executed on or	70 462 1803 a Designated Society before Augus	80 1700 13963 Setback as a r tback due to E t 1, 2013)	esult of
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604. Rule 604. Rule 604. Rule 604. Rule 604. Rule 604. Construct Rule 604.	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Exception. b.(1)A. Exception after Local b.b.(2) Exception. b.(3) Exception. WATTENB	Size of Casing 16 9+5/8 5+1/2 T planned EK LOCATION I tion Zone (within 50 tion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or appropriating or appropriatin	Csg/Liner Top 0 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Locator oved Oil & Gas Locator fic development plates instructed after Augustines	ation now within a lation is within a lation of executed on or	70 462 1803 a Designated Society before Augus	80 1700 13963 Setback as a r tback due to E t 1, 2013)	esult of
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Construct	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NO ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Local b.b.(2) Exception. b.(3) Exception. wattens apply: apply:	Size of Casing 16 9+5/8 5+1/2 T planned CK LOCATION I tion Zone (within 56 tion Location (exist on Location (exist on Location (SUA con Location (Buildin	Wt/Ft 65 36 20 EXCEPTION O' of Buildire ing or appropriate or appropriate or appropriate or site-specifing Units corrupts CATION I	Csg/Liner Top 0 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Locator oved Oil & Gas Locator fic development plates instructed after Augustines	ation now within a lation is within a lation of executed on or	70 462 1803 a Designated Society before Augus	80 1700 13963 Setback as a r tback due to E t 1, 2013)	esult of

RULE 502.b VARIANCE REQUEST

Rule 502.b. Variance Request fro	m COGCC Rule or Spacing Order Number
OTHER LOCATION EXCEPTION	
Rule 318 c Exception Location fr	rom Rule or Spacing Order Number
ALL exceptions and variances require waivers, certifications, SUAs).	n (Property Line Setback). attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
OPERATOR COMMENTS AND	SUBMITTAL
Comments Well is proposed as part Farms 02N-64W-04-3H,	of an 8 well pad including the HP Farms 02N-64W-04-1H, HP Farms 02N-64W-04-6H, HP Farms HP Farms 02N-64W-04-4H, HP Farms 02N-64W-04-5H, HP Farms 02N-64W-04-8H.
	torn for Pulos 305, 306, 318A,a & 318A,c. See SUA attached.
Nearest existing non-op is AL and not subject to	well is the HSR-GUTTERSEN #6-4 which is 1065° as measured from the
This application is in a Comprehensiv	to Drilling Plan No CDP #:
This application is in a Comprehension	/e Dining t ia
Location ID:	vith an Oil and Gas Location Assessment application? Yes Yes
Is this application being submitted w	ith an Oil and das Location / the correct and complete.
I hereby certify all statements made	in this form are, to the best of my knowledge, true, correct, and complete.
	Print Name: Kenny Trueax
Degulatory Manager	Date: 5/8/2017 Email: ktrueax@verdadoil.com
Based on the information provided h	erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
and is hereby approved.	Director of COGCC Date:
COGCC Approved:	Expiration Date:
API NUMBER	
05	
	Conditions Of Approval
All representations, stipula constitute representations enforceable to the same exthis Permit-to-Drill.	tions and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are stipulations and conditions of approval stated in tent as all other representations, stipulations and conditions of approval stated in
	Description
COA Type	
	Best Management Practices
No BMP/COA Type	Description Cleanup of trash, scrap, and discarded materials will be conducted at the end of each
1 General Housekeeping	Cleanup of trash, scrap, and discarded materials will be conducted in workday.
2 General Housekeeping	workday. Mud control: when conditions exist that roads are excessively muddy, additional fill material will be added in order to dehydrate the environment and reduce the amount of material that is transported from the wells roads and location to off-site areas.

P	Prevention	Drip pans will be used during fueling of equipment to contain spills and leaks. Visual inspections of pipe and connections will be performed frequently to detect leaks which will be immediately corrected, repaired and reported to COGCC as required. Spill prevention Control Countermeasure (SPCC) will be in place to address any possible spill associated with oil and gas operations. During drilling operations, we anticipate 4-5 loads, @ 20 yards per load, of cuttings per During drilling operations, we anticipate 4-5 loads, @ 20 yards per load, or cuttings per During drilling operations.
4 N	Material Handling and Spill Prevention	Operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will have a maintest operator's waste management plan. All loads leaving the location will be disposed of offsite and will be documented. Water-based and Oil-based cuttings will be disposed of offsite and will be documented.
5	Dust control	To prevent dust from becoming a nuisance to the public, water a device to the public to the pu
6	Noise mitigation	Operator will consult with owners of residents and occupied structured of stakeholders to reduce impact of noise and light during drilling and completion operations. The direction of prevailing winds is considered when planning the location operations. The direction of prevailing winds is considered when planning the location operations. The direction and noise from being a nuisance to the surrounding residents in order to mitigate odor and noise from being a nuisance to the surrounding residents and occupied structures. In order to minimize sound levels during drilling operations at and occupied structures. In order to minimize sound levels during drilling operations at and occupied structures, rig generators will be located as far as possible from the residence nearby residences, rig generators will be located away from residential units.
7	Odor mitigation	Hydrocarbon odors from production facilities are minimized and produced fluid hydrocarbons and natural gas contained within pipes, separators, tanks, produced fluid hydrocarbons and natural gas contained within pipes, separators, and combustors. All tanks will be sealed with thief hatches and gaskets. Tank vapors and combustors.
	B Drilling/Completion	Operator will use a closed loop system for drilling and hald management
Ç	Operations Drilling/Completion Operations	Rule 604.c.I: Upon initial rig-up and at least once every thirty (30) days during drilling operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections shall be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be
	O Drilling/Completion	onducted on a daily basis when practicable. Operator will comply with COGCC policy on bradenhead monitoring during Hydraulic Operator will comply with COGCC policy on bradenhead monitoring during Hydraulic Fracturing Treatment in the Greater Wattenberg Area per policy dated May 29. 2012.
	Operations 11 Drilling/Completion Operations	Verdad plans to use a Modular Large Volume Talik (MLVT). The plans to use a Modular Large Volume Talik (MLVT). The plans to use a Modular Large Volume Talik (MLVT). The plans the BBL tank approximately 148' in diameter. The MLVT is manufactured by Big Holdings BBL tank approximately 148' in diameter. The MLVT is manufactured by Big Holdings and will be supplied and set up by a third-party vendor. Verdad will follow the COGCO and will be supplied and set up by a third-party vendor.
	12 Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal intermediate casing if production liner is run) into the surface casing. The horizontal intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number the well in which open hole logs were run.
	13 Final Reclamation	P&A'd wells will be identified and marked pursuant to 3 19.4.(0). What is a subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.
	14 Underground Injection Control	anti collision evaluation of all active (production)

Policy

Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

	Attachmont 9.55
Att Doc Num	<u>Name</u>
401210141	FORM 2 SUBMITTED
401214247	DIRECTIONAL DATA
401214250	WELL LOCATION PLAT
401214253	DEVIATED DRILLING PLAN
401215375	OFFSET WELL EVALUATION
401273283	EXCEPTION LOC REQUEST
401273203	SURFACE AGRMT/SURETY
401209902	

Total Attach: 7 Files

General Comments

	General Comments	Comment Date
<u>User Group</u>	Comment	05/30/2017
	Passed Completeness.	05/22/2017
Permit	Returned to draft for: - The Zone Type on the Well name & Contact Info Tab says "multiple" but only one	
	objective formation is listed.	05/09/2017
Permit	Returned to draft per operator's request.	

	Pu	ıblic Commen	<u>its</u>			
 No public comm	ents were receiv	red on this applica	ation during th	e comment pe	eriod.	
 No public commi						
		•				

FORM 2 Rev

08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401210120

	APPLICA	ATION FOR PER	MIT TO:		
□ Drill	Deepen	Re-enter	r Recomplete an		Date Received:
TYPE OF WELL	OIL 🔀 GAS	COALBED	OTHER	Refiling -	05/08/2017
	SINGLE ZONE 😿	MULTIPLE ZONES	COMMINGLE ZONES	Sidetrack	
Well Name: HP	Farms		Well Number: 02N		 mber: 10651
	or: VERDAD RESO	JRCES LLC	(COGCC Operator Nul	1000.
	CEDAR SPRINGS R		Zip: 75235		
11	Regulatory@verdad	doil.com	one: <u>(720)394-0933</u> Fax:	()	
RECLAMATI	ON FINANCIAL	ASSURANCE			
Plugging and Ab	oandonment Bond Si	urety ID: 20170009			
QtrQtr: NWSW Latitude: Footage at Field Name: \(\) Ground Elevati GPS Data: Date of Measu If well is \(\) Footage at To	40.166701 Surface: 2379 WATTENBERG ion: 4892 urement: 02/02/2017 Directional X p of Prod Zone: FNI	Twp: 2N H Lot FNL/FSL Feet FSL Field PDOP Reading: 1 Horizontal (highly devi	ngitude: -104.560842 FEL/FV 1400 Feet FWI d Number: 90750 County: WELD .5 Instrument Operator's Notated) submit deviated drilling JFWL Bottom Hole: FNL/F FWL 460 FS g: 64W Sec: 9	L Name: Alan Hnizdo g plan. -SL FE SL 1950 F	L/FWL FWL Rng: 64W
Surface Owner The Surface ((check all that) The Mineral (The Minerals) The right to come	ership: 🔀 Fee Dwner is: is the tapply) is comparted this of the construct the Oil and construct the Oil and	State Federal State Federal owner beneat the State ommitted to an Oil and signed the Oil and Gastre applicant. Oil and Gas Location is the Gas Location will be or the state of the state	ath the location. Gas Lease. S Lease. S: X Fee	Federal Indi nt Surface Surety ID:	an

ASE INFORMATION ng standard QtrQtr, Sec, Twp eath surface location if produ	o, Rng format, des uced. Attach sepa	scribe one entire mineral leas rate description page or map	e that will be if necessary	e produced by this v v.)	vell (Describe lease
W/4 Sec. 4 2N 64W				State	Federal Indian
al Acres in Described Lease:	: 160	Described Mineral Lease is	s: IX Fee	, otato	
				a Faat	
tance from Completed Portion	on of Wellbore to	Nearest Lease Line of describ	oed lease:	0 Feet	
JLTURAL DISTANCE II				INSTRUCTIONS: - All measurements s	hall be provided from center of onearest of each cultural
stance to nearest:				footure as described	in Rule 303.a.(5).
Build	ling: 5280	Feet	1	nuilding - nearest h	ance greater than 1 mile. Fullding of any type. If nearest
Building (·	Feet		Building is a Building	Unit, enter same distance for
High Occupancy Building U		- Feet		both.	Occupancy Building Unit, and
High Occupancy Building Control of the High Occupancy Bui		- Feet		Designated Outside	Activity Area - as defined in
Designated Outside Activity Public R	,	- Feet		100-Series Rules.	
Above Ground U		- Feet			
		-) Feet			
Haiii Property		5 Feet			
DESIGNATED SETBAC NFORMATION Check all that apply. This loca	ation is within a:	Buffer Zone Exception Zone Urban Mitigation Area		TOO! of a Bu	as described in Rule 604.a.(1),
Ore application Notifications	(required if location	on is within 1,000 feet of a bu	ilding unit):		
Data of Rule 305 a (1) l	Jrban Mitigation A	Area Notification to Local Gov	- EIIIII		
Date of Rule 305 a (2) F	Buffer Zone Notific	cation to Building Unit Owner	s:		
SPACING and UNIT IN	IFORMATION ortion of proposed	wellbore to nearest complete	ed portion of		
Distance from Completed P	ortion of Wellbore	to Nearest Unit Boundary	I	Unit Num	r distance greater than 1 mile. nber:
Federal or State Unit Name	(if appl):			—	
SPACING & FORMAT					
DSU configuration: T2N-	-R64W: Sec. 4: S	W/4; Sec. 9: W/2; 480 acres			
	TIONS				
OBJECTIVE FORMA	Formation Code	Spacing Order Number(s)	Unit Acread	e Assigned to Well	Unit Configuration (N/2, SE/4, 6

ILLING PRO	CRAM							
		n: 13976 Feet	į					
		n: <u>13976</u> Feet	deting or nrc	pposed wellbore bel	longing to anothe	er operator, inc	luding plugged	d wells:
istance from the	proposed wei	IDORE TO HEAREST EX	1080	Feet No w	rell belonging to a	another operate	or within 1,50	0 feet
nter distance if I	ess than or eq	ual to 1,500 feet.	1002	, 000				
Vill a closed-loop	drilling syster	n be used? Yes	S 	lling operations at C	oncentrations gre	eater than		
s H2S gas reasc	nably expected	d to be encountere	ed during an	lling operations at c				
or equal to 100 p	pm? No	(If Yes, attach an	Na Na	g Operations Plan)				
Will salt sections	be encountered	ed during drilling?		— No				
Will salt based (>15,000 ppm C	OI) drilling fluids be	used?	No				
Will oil based dr	lling fluids be t	used? Yes	_	, D -1-	ting Hood	None		
DOD Fauinment	Type: X Ani	nular Preventor	▼ Double	Ram Rota	ating nead		INC	
ROUNDWAT	ER BASEL	INE SAMPLING	M DNA &	ONITORING AN	D WATER WI	ELL SAMPL	ING	
		per Rule 318A						
		GEMENT PRO	_ ,	uids Disposal Metho	ds: Commercial	Disposal		
Drilling Fluids [Disposal: C	FFSITE	Drilling Flu	lias Disposai Metrio	di Osemperoial	Dienosal		
Cuttings Dispo			Cutt	tings Disposal Meth	lod: Commercial	Diahoadi		
Other Disposa								
Repeficial re	euse or land ap	oplication plan sub	mitted?	mbor:				
Beneficial re	euse or land ap	oplication plan subi	mitted?	mber:	_			
Beneficial re Reuse Fac	euse or land ap	or Do	cument Nur		Setting Depth	Sacks Cmt	Cmt Btm	
Beneficial re Reuse Fac CASING PRO Casing Type	euse or land ap cility ID:	or Do	mitted?cument Nur		Setting Depth	70	80	Cmt To
Beneficial rendered Reuse Factorial Reuse Fact	euse or land ap cility ID: DGRAM Size of Hole	or Do	cument Nur	Csg/Liner Top	Setting Depth 80 1700	70 462	80 1700	
Beneficial rendered Reuse Factorial Reuse Fact	euse or land ap cility ID:	or Do Size of Casing 16	wt/Ft	Csg/Liner Top	Setting Depth	70	80	0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST	euse or land application of the property of th	or Do Size of Casing 16 9+5/8 5+1/2	Wt/Ft 65 36	Csg/Liner Top 0 0	Setting Depth 80 1700	70 462	80 1700	0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor	euse or land application of the property of th	or Do Size of Casing 16 9+5/8 5+1/2 planned	Wt/Ft 65 36 20	Csg/Liner Top 0 0 0	Setting Depth 80 1700	70 462	80 1700	0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE	DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOTED SETBAC	or Do Size of Casing 16 9+5/8 5+1/2	Wt/Ft 65 36 20	Csg/Liner Top 0 0 0	Setting Depth 80 1700	70 462	80 1700	0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	euse or land application of the property of th	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E	Wt/Ft 65 36 20	Csg/Liner Top 0 0 0 0	Setting Depth 80 1700 13976	70 462 1804	80 1700 13976	0 0 0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	euse or land application of the property of th	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E	Wt/Ft 65 36 20	Csg/Liner Top 0 0 0 0	Setting Depth 80 1700 13976	70 462 1804	80 1700 13976	0 0 0
Beneficial re Reuse Far CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.	euse or land application of the property of th	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50) ion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or appro-	Csg/Liner Top 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Loca	Setting Depth 80 1700 13976 attion now within a	70 462 1804	80 1700 13976 Setback as a re	0 0 0
Beneficial re Reuse Far CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.	euse or land application of the property of th	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50) ion Location (exist	Wt/Ft 65 36 20 EXCEPTION OO' of Building or appro-	Csg/Liner Top 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Loca	Setting Depth 80 1700 13976 attion now within a	70 462 1804	80 1700 13976 Setback as a re	0 0 0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604. Rule 604. Rule 604. Rule 604.	euse or land application of the land application of th	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50) ion Location (existing approved)	Wt/Ft 65 36 20 EXCEPTION OO' of Building or appropriating or approximately a	Csg/Liner Top 0 0 0 0 0 ONS ang Unit) by ed Oil & Gas Located Oil & Cated O	Setting Depth 80 1700 13976 ation now within a	70 462 1804 a Designated Solution	80 1700 13976 Setback as a reback due to B	0 0 0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that at a line 604. Rule 604. Rule 604. Rule 604. Rule 604. Construct	euse or land application of the land apply: a.(1)A. Exception.a.) b.(1)B. Exception after Location.	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50 ion Location (existion approval)	Wt/Ft 65 36 20 EXCEPTION OO' of Buildiring or approximating or approximat	Csg/Liner Top 0 0 0 0 0 ONS Ing Unit) Oved Oil & Gas Loca	Setting Depth 80 1700 13976 ation now within a cation is within a cation is within a cation or executed on	70 462 1804 Designated Self Designated Self before August	80 1700 13976 Setback as a reback due to B	0 0 0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that at a line 604. Rule 604.	euse or land application after Location (2) Exception (2) Exception (2) Exception (2) Exception (2) Exception (2) Exception (3) Exception (4) Exception (4) Exception (5) Exception (5) Exception (6)	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50 ion Location (existion approval) on Location (SUA on Location (Building approval)	Wt/Ft 65 36 20 EXCEPTION On of Building or appropriating	Csg/Liner Top 0 0 0 0 0 ONS ang Unit) by ed Oil & Gas Located Oil & Gas Located Oil & Gas Located development plantstructed after Augustations.	Setting Depth 80 1700 13976 ation now within a cation is within a cation is within a cation or executed on	70 462 1804 Designated Self Designated Self before August	80 1700 13976 Setback as a reback due to B	0 0 0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that at a line 604. Rule 604.	euse or land application after Location (2) Exception (2) Exception (2) Exception (2) Exception (2) Exception (2) Exception (3) Exception (4) Exception (4) Exception (5) Exception (5) Exception (6)	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50 ion Location (existion approval)	Wt/Ft 65 36 20 EXCEPTION On of Building or appropriating	Csg/Liner Top 0 0 0 0 0 ONS ang Unit) by ed Oil & Gas Located Oil & Gas Located Oil & Gas Located development plantstructed after Augustations.	Setting Depth 80 1700 13976 ation now within a cation is within a cation is within a cation or executed on	70 462 1804 Designated Self Designated Self before August	80 1700 13976 Setback as a reback due to B	0 0 0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that at a line 604. Rule 604.	euse or land application after Location (a) Exception (b) (2) Exception (c) (b) (c) Exception (c) (c) (c) Exception (c) (c) (c) (c) Exception (c)	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50 ion Location (existion approval) on Location (SUA on Location (Building approval)	Wt/Ft 65 36 20 EXCEPTION On of Building or appropriating	Csg/Liner Top 0 0 0 0 0 ONS ang Unit) by ed Oil & Gas Located Oil & Gas Located Oil & Gas Located development plantstructed after Augustations.	Setting Depth 80 1700 13976 ation now within a cation is within a cation is within a cation or executed on	70 462 1804 Designated Self Designated Self before August	80 1700 13976 Setback as a reback due to B	0 0 0
Beneficial re Reuse Face CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Rule 604 Construct Rule 604 Check all that	euse or land apply: DGRAM Size of Hole 24 13+1/2 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Except b.(1)A. Except ion after Locat b.(2) Exception inent plan) WATTENBE apply:	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E ion Zone (within 50 ion Location (existion approval) on Location (SUA on Location (Building approval)	Wt/Ft 65 36 20 EXCEPTION O' of Buildir ing or appro-	Csg/Liner Top 0 0 0 0 0 ONS ang Unit) by ed Oil & Gas Located Oil & Gas Located Oil & Gas Located development plantstructed after Augustations.	Setting Depth 80 1700 13976 ation now within a cation is within a cation is within a cation or executed on	70 462 1804 Designated Self Designated Self before August	80 1700 13976 Setback as a reback due to B	0 0 0

RULE 502.b VARIANCE REQUEST

Rule 50	02.b. Variance Request fro	m COGCC Rule or	r Spacing Ord	der Number		-
THER LO	CATION EXCEPTION	IS				
eck all that	apply:					
Rule 3	18.c. Exception Location fr	om Rule or Spacing	g Order Num	ber		
Rule 60	03.a.(2) Exception Location	າ (Property Line Se	∍tback).	n (1)	la for odd	litional required attachments (e.g.
ALL except waivers, ce	tions and variances require ortifications, SUAs).	attached Request	Letter(s). Re	efer to applicable i	rule ioi add	litional required attachments (e.g.
PERATO	R COMMENTS AND	SUBMITTAL				
omments	Well is proposed as part Farms 02N-64W-04-3H, I02N-64W-04-7H, HP Far	of an 8 well pad inc HP Farms 02N-64V ms 02N-64W-04-8I	Н.			P Farms 02N-64W-04-2H, HP Farms 02N-64W-04-6H, HP Farms
	Surface Use Agreement	nas waivers for Ru	les 305, 306,	318A.a & 318A.c	. See SUA	attached.
	Nearest existing non-op is AL and not subject to p	well is the HSR-GL	JTTERSEN#	6-4 which is 1082	' as measu	red from the COGCC site. This well
This applica	ation is in a Comprehensiv			CDP #:		-
_ocation ID						
Lo this ann	 lication being submitted wi	th an Oil and Gas I	Location Asse	essment application	on?	Yes
is this app	ertify all statements made	Help form oro, to:	the hest of m	v knowledge, true	, correct, a	nd complete.
hereby ce	ertify all statements made	n this form are, to	the poot of m		Trion	,
Signed:				Print Name: Ke	illy Hueaz	
	Regulatory Manager		Date:	5/8/2017	Email:	ktrueax@verdadoil.com
ased on that and is here	he information provided he by approved.	rein, this Applicatio				C Rules and applicable orders
COGCC Ap	pproved:		Dir	ector of COGCC		
	API NUMBER	1		Expi	ration Date	
05	API NOMBER					
		Cc	onditions	Of Approv	<u>al</u>	
consti enford	oresentations, stipulati itute representations, s ceable to the same ext ermit-to-Drill.	ons and conditi	ions of app	roval stated in	the Form	2A for this location shall m 2 Permit-to-Drill and are onditions of approval stated in
COA Ty	<u>pe</u>	Description				
	-	Best	Managen	nent Practio	es	
Ma DE	лР/СОА Тур <u>е</u>					
	eneral Housekeeping	Cleanup of tra				Il be conducted at the end of each
2 Ge	eneral Housekeeping					xcessively muddy, additional fill ironment and reduce the amount d location to off-site areas.

3	Material Handling and Spill Prevention	Drip pans will be used during fueling of equipment to contain spills and leaks. Visual inspections of pipe and connections will be performed frequently to detect leaks which will be immediately corrected, repaired and reported to COGCC as required. Spill prevention Control Countermeasure (SPCC) will be in place to address any possible spill associated with oil and gas operations.
4	Material Handling and Spill Prevention	During drilling operations, we anticipate 4-5 loads, @ 20 yards per load, of cuttings per day will be transported off-site to an approved disposal facility in accordance with Operator's waste management plan. All loads leaving the location will have a manifest and will be documented. Water-based and Oil-based cuttings will be disposed of offsite and at a licensed, commercial disposal site.
5	Dust control	To prevent dust from becoming a nuisance to the public, water trucks will be utilized to
6	Noise mitigation	Operator will consult with owners of residents and occupied structures and other stakeholders to reduce impact of noise and light during drilling and completion operations. The direction of prevailing winds is considered when planning the location in order to mitigate odor and noise from being a nuisance to the surrounding residents and occupied structures. In order to minimize sound levels during drilling operations at nearby residences, rig generators will be located as far as possible from the residence
7	Odor mitigation	Hydrocarbon odors from production facilities are minimized and eliminated by keeping produced fluid hydrocarbons and natural gas contained within pipes, separators, tanks and combustors. All tanks will be sealed with thief hatches and gaskets. Tank vapors
-{	B Drilling/Completion Operations	Operator will use a closed loop system for drilling and fluid management. No pits will
(9 Drilling/Completion Operations	Operator will perform anti-collision evaluation of all active (producing, shut-in, of temporarily abandoned) offset wellbores that have the potential of being within 150' feet of the proposed well prior to drilling operations. Notice shall be given to all offset operators prior to drilling.
1	0 Drilling/Completion Operations	Rule 604.c.l: Upon initial rig-up and at least once every thirty (30) days during driving operations thereafter, pressure testing of the casing string and each component of the blowout prevention equipment including flange connections shall be performed to seventy percent (70%) of working pressure or seventy percent (70%) of the internal yield of casing, whichever is less. Pressure testing shall be conducted and the documented results shall be retained by the operator for inspection by the Director for a period of one (1) year. Activation of the pipe rams for function testing shall be
1	11 Drilling/Completion Operations	Operator will comply with COGCC policy on bradenhead monitoring during right additional comply with Cogca policy on bradenhead monitoring during right additional complex policy dated May 29. 2012.
•	12 Drilling/Completion Operations	Verdad plans to use a Modular Large Volume Tank (MLV1). The planned tank is a 30 BBL tank approximately 148' in diameter. The MLVT is manufactured by Big Holdings and will be supplied and set up by a third-party vendor. Verdad will follow the COGCO and the policy dated lune 13, 2014 on the use of MLVTs.
	Drilling/Completion Operations	One of the first wells drilled on the pad will be logged with open-hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number the well in which open hole logs were run.
	14 Final Reclamation	P&A'd wells will be identified and marked pursuant to 319.a.(5). Within 90-day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.

Policy

Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

Att Doc Num	Name
401210120	FORM 2 SUBMITTED
401214257	DIRECTIONAL DATA
401214258	WELL LOCATION PLAT
401214287	DEVIATED DRILLING PLAN
401215366	OFFSET WELL EVALUATION
401273264	EXCEPTION LOC REQUEST
401289885	SURFACE AGRMT/SURETY

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date
Permit	-Changed surety ID number typo per operator.	05/31/2017
4	Passed Completeness.	
Permit	Returned to draft for: -Missing distance from completed portion of the wellbore to nearest lease line of described leaseWell type on Well Location Tab should be horizontal.	05/22/2017
Permit	Returned to draft per operator's request.	05/09/2017

 Public Comments				
No public comments were received on this application during the comment period.				

FORM 2

State of Colorado

Oil and Gas Conservation Commission



Document Number:

1120 Lincoln Street, Suite 801, Deriver, Colorado 60233 Phone: (303) 894-2100 Fax: (303) 894-2109	TW A	401256315 (SUBMITTED)
APPLICATION FOR PERMIT TO:	JAN BOARD #UT	,
▼ Drill	perate	Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER	Refiling 🔽	06/09/2017
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES	Sidetrack F	
Well Name: Rubicon State Well Number: Y16-73		
Name of Operator: NOBLE ENERGY INC COG	ICC Operator Nun	nber: 100322
Address: 1625 BROADWAY STE 2200		
City: DENVER State: CO Zip: 80202		
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()	
Email: susan.miller@nblenergy.com		
RECLAMATION FINANCIAL ASSURANCE		
Plugging and Abandonment Bond Surety ID: 20030009		
	1	
WELL LOCATION INFORMATION OtrOtr: NENE Sec: 16 Twp: 2N Rng: 64W Meridian: 6		
OtrQtr: NENE Sec: 16 Twp. 2N Tring. 544		
Latitude: 40.144110		
TOUR TOUR East FEI		
Footage at Surface: 595 Test The		
Field Name: WATTENDERG	2 P 16	
GROUND Elevation. 4544	A6 30 A34 TOURS	
Date of Measurement: 09/13/2016 PDOP Reading: 2.2 Instrument Operator's Name	: Andy Maggiore	
Fig. Lectrontal (highly deviated) submit deviated drilling plan	lk and a second	
If well is Directional IX Horizontal (highly deviated) Submit deviated annual process of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL	FEL/F	=WL
650 FNL 1830 FEL 465 FNL	1830 FE	L_
Sec: 16 Twp: 2N Rng: 64W Sec: 4 Tw	p: 2N Rr	ng: 64W
000		
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT		
Surface Ownership: Fee X State Federal Indian		
The Surface Owner is: is the mineral owner beneath the location.		
(check all that apply) is committed to an Oil and Gas Lease.		
has signed the Oil and Gas Lease.		
is the applicant.		
	leral 🗀 Indian	
Lieu Mararel Ourser honouth this Citi and Crass LOCALION IS. LCC Colored		
The Mineral Owner beneath this Oil and Gas Location is: Fee State Fed		
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes		
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes The right to construct the Oil and Gas Location is granted by: oil and gas lease	ce Surety ID:	

	se:640	Described Mineral Lease	is: Fee D	₹ State T	Federal	☐ Indian
deral or State Lease#	70/7879-S		ribed lease: 0	Fee	t	
stance from Completed Por	tion of Wellbore to	Nearest Lease Line of desc	ibed loads.			
Building High Occupancy Building Designated Outside Activity Public Above Ground	ilding: 1101 g Unit: 1641 g Unit: 5280 Area: 5280 Road: 986 Utility: 976 ailroad: 5280	Feet Feet	- All me the Pro feature - Enter - Buildin Buildin both. - Buildi Design	posed Well to as described 5280 for disting - nearest by g is a Building	to nearest of or a nearest of or a nearest of or a nearest of or a nearest or a nearest or a nearest of or a nearest or a nearest of or a nearest or	1.(5).
Date of Rule 305.a.(1)	cation is within a: s (required if locatio) Urban Mitigation A	Buffer Zone Exception Zone Urban Mitigation Area n is within 1,000 feet of a burea Notification to Local Goration to Building Unit Owne	1,000 - Exce withir - Urba Rules uilding unit):	' of a Building ption Zone - : n 500' of a Bu an Mitigation	g Unit as described i illding Unit.	ule 604.a.(2), within n Rule 604.a.(1), ined in 100-Series
SPACING and UNIT II Distance from completed p same formation: 428 Distance from Completed Federal or State Unit Nam	Feet Portion of Wellbore e (if appl):	NTS	465 Feet (Ér	nter 5280 for Unit Num	r distance gr nber:	eater than 1 mile.)
SPACING & FORMA	Spacing Unit configu	ration, Docket No. 1707002 : All, Section 9: All, Section	16: N/2N/2.			
Proposed Drilling and S North, Range 64 West,	BIII F.IVI., OCCIOTI					

HELLING ! !!	OGRAM							
T-tall	Manaurad Den	th: <u>18145</u> Fee	t			787875 - 2000	an and a second	بوالوبير اد
Distance from th	e proposed we	ellbore to nearest e	xisting or pro	oposed wellbore be	longing to anoth	er operator, inc	cluding plugge	d wells.
		qual to 1,500 feet:		Feet 🗵 No	vell belonging to	another opera	tor within 1,50	00 feet
Will a closed-loc	op aniling syste	m be used? Ye		wi energtions at	concentrations of	reater than		
		ed to be encountered	ed during ari	lling operations at	Concentration 9			
or equal to 100				g Operations Plan)				
Will salt section	s be encounter	red during drilling?	No	48				
		CI) drilling fluids be		No				
		used? Yes						
	4		☐ Double	Ram 🔀 Rota	ating Head			
BOP Equipmen	it Type. IX. Ai				ID MATER M	ELL SAMPI	ING	
ROUNDWA'	TER BASEL	INE SAMPLING	AND MO	ONITORING AN	ID WATER W	ELL SAWI L	.IIVG	
Water well san		10 TO						
			CDAM					
RILLING W	ASTE MANA	AGEMENT PRO			25.17	-		
			Dailling Ele	the second secon	det Commercial	Disposal		
Drilling Fluids	Disposal:	OFFSITE		ids Disposal Metho				
Drilling Fluids		NAME OF TAXABLE PARTY.		iids Disposai Metro tings Disposal Meth				
Cuttings Dispo	osal: OFFS	NAME OF TAXABLE PARTY.						
Cuttings Dispo	osal: OFFS	ITE	Cutt	tings Disposal Meth	nod: Commercial	Disposal	tion of wellbor	э.
Cuttings Dispo	osal: OFFS	NAME OF TAXABLE PARTY.	Cutt	tings Disposal Meth	nod: Commercial	Disposal	tion of wellbor	∍.
Other Disposa Drilling waste	osal: OFFS al Description: disposal inform	nation added to add	Cutt	tings Disposal Meth	nod: Commercial	Disposal	tion of wellbor	э.
Other Disposa Drilling waste Beneficial re	osal: OFFS al Description: disposal inform euse or land a	nation added to add	Cutt dress non-oi mitted? Y	ings Disposal Meth	nod: Commercial	Disposal	tion of wellbor	э.
Other Disposa Drilling waste	osal: OFFS al Description: disposal inform euse or land a	nation added to add	Cutt	ings Disposal Meth	nod: Commercial	Disposal	tion of wellbor	э.
Other Disposa Drilling waste Beneficial re Reuse Fa	osal: OFFS I Description: disposal inform euse or land ap cility ID:	nation added to add	Cutt dress non-oi mitted? Y	ings Disposal Meth	nod: Commercial	Disposal	tion of wellbor	
Other Disposa Drilling waste Beneficial re Reuse Fa	osal: OFFS I Description: disposal inform euse or land application cility ID:	nation added to add oplication plan subj or Do	Cutt dress non-oi mitted? Y	ings Disposal Meth	nod: Commercial	Disposal	tion of wellbor	Cmt Top
Other Disposa Other Disposa Drilling waste Beneficial re Reuse Fa CASING PRO Casing Type	osal: OFFS I Description: disposal inform euse or land a cility ID: OGRAM Size of Hole	nation added to add pplication plan subj or Do	Cutt dress non-oi mitted? Y cument Nun	ings Disposal Methods Disposal Disposal Methods Disposal	nod: Commercial	Disposal -producing port	Cmt Btm	Cmt Top
Other Disposa Drilling waste Beneficial re Reuse Fa	osal: OFFS I Description: disposal inform euse or land application cility ID:	nation added to add oplication plan subj or Do	Cutted dress non-oi mitted? You went Nun	ings Disposal Methods Disposal Disposal Methods Disposal Methods Disposal D	nod: Commercial uids used in non-	Disposal -producing port	Cmt Btm	Cmt Top

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

K Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

Rule 50	02.b. Variance Request fr	om COGCC Rule or Spacing Order Number
HER LO	CATION EXCEPTIO	NS
ock all that	apply:	
Rule 31	18.c. Exception Location f	from Rule or Spacing Order Number
	(c) Fire-stien Legation	on (Property Line Setback).
ALL excepti	ions and variances requir rtifications, SUAs).	e attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
PERATO	R COMMENTS AND	SUBMITTAL
omments	no. 401255566, Hullabal State Y16-738, doc no. 4 401256957, Rubicon Sta Noble Energy shall isola zones and exposure to o based mud. Nearest well in same for distance to nearest well Nearest well belonging Please see Page 5, Sec	consists of: Hullabaloo State Y21-746 Ref, doc no. 401253917, Hullabaloo State Y21-736, doc loo State Y21-726, doc no. 401255603, Hullabaloo State Y21-716, doc no. 401246151, Rubicon 401256315, Rubicon State Y16-731, doc no. 401256940, Rubicon State Y16-725, doc no. ate Y16-718, doc no. 401257012. It both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing boil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil remation within DSU = proposed pad well, Rubicon State Y16-731, Noble, 428'. Measurement of is from the attached Anticollision Report. It to another Operator = None within 1500'. In another Operator = None within 1500'. It is a stached Surface Use Agreement for exception location GCC Rule 318A.a. to locate any well outside of the GWA window and COGCC Rule 318A.c. to than fifty (50) feet from an existing well.
This applica	ation is in a Comprehensi	ve Drilling Plan
Location ID);	
le this ann	lication being submitted v	with an Oil and Gas Location Assessment application?
10 11110 app		in this form are, to the best of my knowledge, true, correct, and complete.
I hereby ce	ertify all statements made	on this form are, to the bost of my manner of the Miller
Signed:		Print Name: Susan Miller
101177/4	Particological Partic	Date: 6/9/2017 Email: Regulatorynotification@nblener
Title:	Regulatory Analyst	
Rased on the	ne information provided h	erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
and is here	by approved.	
COGCC A	oproved:	Director of COGCC Date:
50000 /n		Expiration Date:
	API NUMBER	
05		
<u> </u>		
		Conditions Of Approval
		A for this location shall
	tetions stimula	
All rep	oresentations, stipula tute representations,	tions and conditions of approval stated in the Form 2A for this location of the stipulations and conditions of approval for this Form 2 Permit-to-Drill and are tong as all other representations, stipulations and conditions of approval stated in
consti	tute representations, eable to the same ex	stipulations and conditions of approval for this Form 2 Permit-to-Drill and are stipulations and conditions of approval stated in tent as all other representations, stipulations and conditions of approval stated in
enford this P	tute representations, eable to the same ex ermit-to-Drill.	tent as all other representations, stipulations and conditions of approval stated in
consti	tute representations, eable to the same ex ermit-to-Drill.	stipulations and conditions of approval for this Form 2 Permit-to-Drill and are stipulations and conditions of approval stated intent as all other representations, stipulations and conditions of approval stated in Description
enford this P	tute representations, eable to the same ex ermit-to-Drill.	tent as all other representations, stipulations and conditions of approval stated in
enford this P	tute representations, eable to the same ex ermit-to-Drill.	tent as all other representations, stipulations and conditions of approval stated in
enford this P	tute representations, eable to the same ex ermit-to-Drill.	tent as all other representations, stipulations and conditions of approval stated in

o BMP/COA Type	Best Management Practices Description
1 Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
2 General Houseke	General housekeeping will consist of neat and orderly storage of materials and Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be
3 Storm Water/Erd Control	Stormwater management plans (SWMP) are in place to address construction, driving and operations associated with Oil & Gas development throughout the state of and operations associated with Colorado Department of Public Health and Environment Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final
4 Material Handli Prevention	Colorado in accordance with CFR 112.
5 Drilling/Comple Operations	United Dailling Operations:

Total: 5 comment(s)

Attachment Check List

Att Doc Num	<u>Name</u>	
401256315	FORM 2 SUBMITTED	
401282047	OffsetWellEvaluations Data	
401282054	DIRECTIONAL DATA	
401282057	DEVIATED DRILLING PLAN	
401282058	WELL LOCATION PLAT	
401282064	SURFACE AGRMT/SURETY	
401292692	EXCEPTION LOC REQUEST	
401316403	SURFACE AGRMT/SURETY	

Total Attach: 8 Files

		General Comments	Comment Date
er Group	Comment		Stamp Upon Approval
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al: 0 comn	nent(s)		
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		Y MA	
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Public Comments	
No public comments were received on this application during	the comment period.
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Rev 08/16

State of Colorado

Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401257887

Phone: (303) 894-2100 Fax: (303) 894-2109	(SUBMITTED)
APPLICATION FOR PERMIT TO:	
▼ Drill Deepen Re-enter Recomplete and Operate	Date Received:
TYPE OF WELL OIL X GAS COALBED COMMINGLE ZONES Sidetrack	06/09/2017
Wall Number: V16-744	
Well Name: Rubicon State COGCC Operator	Number: 100322
Name of Operator: NOBLE ENERGY INC	
Address: 1625 BROADWAY STE 2200 City: DENVER State: CO Zip: 80202	
Contact Name: Susan Miller Phone: (303)228-4246 Fax: () Email: susan.miller@nblenergy.com	
RECLAMATION FINANCIAL ASSURANCE Plugging and Abandonment Bond Surety ID: 20030009	
WELL LOCATION INFORMATION QtrQtr: NWNE	giore FEL/FWL FEL Rng: 64W
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT Surface Ownership:	ndian :

tal Acres in Described Leas deral or State Lease #	70/7879-S	Described Mineral Lease is:		
stance from Completed Port	ion of Wellbore to N	earest Lease Line of describe	ed lease: 0 Feet	\exists
JLTURAL DISTANCE stance to nearest: Building High Occupancy Building Designated Outside Activity	INFORMATION Iding: 2357 Unit: 3140 Unit: 5280 Area: 5280	Feet Feet Feet	INSTRUCTIONS: - All measurements shall be provided from center the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5). - Enter 5280 for distance greater than 1 mile. - Building - nearest building of any type. If neare Building is a Building Unit, enter same distance both. - Building Unit, High Occupancy Building Unit, a Designated Outside Activity Area - as defined in 100-Series Rules.	est for nd
Public	300			
Above Ground				
Ra Propert	ilroad: 5280	Feet		
Date of Bule 305.a.(1)	cation is within a: s (required if location Urban Mitigation Ar	Buffer Zone Exception Zone Urban Mitigation Area is within 1,000 feet of a build ea Notification to Local Goveration to Building Unit Owners:	Illinent.	1),
Date of Rule 305.a.(2)				_
Date of Rule 305.a.(2)	NFORMATION		or a supplier permitted or completed in the)
Date of Rule 305.a.(2) SPACING and UNIT II Distance from completed parame formation: 408 Distance from Completed Federal or State Unit Name	ortion of proposed v Feet Portion of Wellbore to the control of th	to Nearest Unit Boundary	d portion of offset wellbore permitted or completed in the 465 Feet (Enter 5280 for distance greater than 1 Unit Number:	
Date of Rule 305.a.(2) SPACING and UNIT I Distance from completed p same formation: 408 Distance from Completed Federal or State Unit Name	ortion of proposed v Feet Portion of Wellbore e (if appl):	to Nearest Unit Boundary	Feet (Enter 5280 for distance greater than 1 Unit Number:	mile.)
Date of Rule 305.a.(2) SPACING and UNIT II Distance from completed parame formation: 408 Distance from Completed Federal or State Unit Name SPACING & FORMA	ortion of proposed v Feet Portion of Wellbore (if appl): TIONS COMME	to Nearest Unit Boundary NTS	465 Feet (Enter 5280 for distance greater than 1 Unit Number: 9. scheduled for July-2017 Hearing, consists of: Towns	mile.)
Date of Rule 305.a.(2) SPACING and UNIT II Distance from completed parame formation: 408 Distance from Completed Federal or State Unit Name SPACING & FORMA Proposed Drilling and SINorth, Range 64 West,	ortion of proposed v Feet Portion of Wellbore to the common of the configuration of the configurati	to Nearest Unit Boundary NTS ration, Docket No. 170700429 : All, Section 16	465 Feet (Enter 5280 for distance greater than 1 Unit Number: 9, scheduled for July-2017 Hearing, consists of: Towns 6: N/2N/2.	mile.) — hip 2
Date of Rule 305.a.(2) SPACING and UNIT II Distance from completed parame formation: 408 Distance from Completed Federal or State Unit Name SPACING & FORMA	ortion of proposed v Feet Portion of Wellbore to the common of the configuration of the configurati	to Nearest Unit Boundary NTS ration, Docket No. 170700429 : All, Section 16	465 Feet (Enter 5280 for distance greater than 1 Unit Number: 9. scheduled for July-2017 Hearing, consists of: Towns	mile.) — hip 2

	GRAM							
roposed Total M	leasured Dept	h:18100Feet				or operator inc	ludina nluaae	d wells:
stance from the	proposed we	llbore to nearest ex	isting or pro	oposed wellbore be	longing to anothe	er operator, mo	or within 1.50	n feet
ater distance if I	less than or eq	ual to 1,500 feet:		Feet	vell belonging to	another operat	Ol Willin 1,00	0 1001
		n be used? Yes	3					
/III a cioseu-loo _i	y drilling dyoto.	d to be encountere	— d durina dri	illing operations at o	oncentrations gr	eater than		
		a to be encountere	H2S Drillin	ng Operations Plan)				
r equal to 100 p				. у органия				
Vill salt sections	be encountered	ed during drilling?	NO					
Vill salt based (:	>15,000 ppm (OI) drilling fluids be	used? _	No				
		used? Yes	_					
OP Equipment	Type: X Ani	nular Preventor	□ Double		ating Head	None		
Of Equipment		OAMBUNG	AND MC	ONITORING AN	D WATER W	ELL SAMPL	ING	
TAMMOUNT	LEB BYSEL	INE SAMPLING	AND M	Sivilormia				
KOONDWA	I LIN DAOLL							
Water well sam	pling required	per Rule 318A	-					
Water well sam	pling required	per Rule 318A	GRAM					
Water well sam	pling required	per Rule 318A	GRAM Drilling Flu	ulds Disposal Metho	ds: Commercial	Disposal		
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Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

Rule 318A.a. Exception Location (GWA Windows).

Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

Rule 5		
i idio o	02.b. Variance Request fr	om COGCC Rule or Spacing Order Number
THER LC	CATION EXCEPTIO	NS
eck all that	t apply:	
Rule 3	18.c. Exception Location f	rom Rule or Spacing Order Number
Rule 6	03.a.(2) Exception Location	on (Property Line Setback).
ALL except waivers, ce	tions and variances require ertifications, SUAs).	e attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
DEDATO	R COMMENTS AND	SUBMITTAL
omments	Y16-28 MULTI, 6-well pa doc no. 401257833, Rub State Y16-751, doc no. 4 Noble Energy shall isola zones and exposure to o based mud. Nearest well in same for distance to the nearest Nearest well belonging to	ad consists of: Hullabaloo State Y21-763 Ref, doc no. 401257533, Hullabaloo State Y21-756, sicon State Y16-763, doc no. 401257839, Rubicon State Y16-757, doc no. 401257872, Rubicon State Y16-763, Rubicon State Y16-744, doc no. 401257887. Rubicon State Y16-744, doc no. 401257887. Rubicon State Y16-744, doc no. 401257887. Rubicon State Y16-751, Hydrocarbon bearing to based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil smatter within DSU = proposed pad well, Rubicon State Y16-751, Noble, 408'. Measurement of well is from the attached Anticollision Report. To another Operator = None within 1500'. Rubicon State Y16-751, Noble, 408'. Weasurement of the attached Surface Use Agreement for exception location waiver language to be locate any well outside of the GWA window.
This applie		ve Drilling Plan
Location ID);	with an Oil and Gas Location Assessment application?
Is this app	lication being submitted w	in an Oil and das Location / Assessment and complete
I hereby c	ertify all statements made	in this form are, to the best of my knowledge, true, correct, and complete.
1110100	orany an oran-	in this form are, to the best of my knowledge, true, correct, and complete.
	orally all states.	Print Name: Susan Miller
Signed:		
Signed: Title:	Regulatory Analyst	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener
Signed: Title:	Regulatory Analyst	Print Name: Susan Miller Finally Regulatory potification@nblener
Signed: Title:	Regulatory Analyst	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
Signed: Title:	Regulatory Analyst he information provided he	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
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Signed: Title: Based on the sand is here	Regulatory Analyst he information provided he	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
Signed: Title: Based on the	Regulatory Analyst he information provided he by approved. pproved:	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
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Signed: Title: Based on the sand is here COGCC Applications of the same series of the s	Regulatory Analyst the information provided hereby approved. pproved: API NUMBER	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener Print Name: Susan Miller Regulatorynotification@nblener Director of COGCC Date: Expiration Date: Expiration Date: Susan Miller Print Name: Susan Miller Regulatorynotification@nblener Director of COGCC Date: Susan Miller Print Name: Susan Miller Regulatorynotification@nblener Director of COGCC Date: Susan Miller Print Name: Susan Miller Regulatorynotification@nblener Director of COGCC Date: Susan Miller Print Name: Susan Miller Regulatorynotification@nblener Print Name: Susan Miller Print Name: Susan Miller Regulatorynotification@nblener Print Name: Susan Miller Print
Signed: Title: Based on the stand is here COGCC Application of the standard is here COGCC Application of the standard is here.	Regulatory Analyst the information provided hereby approved. API NUMBER presentations, stipulate the representations, seable to the same extending the same extend	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener Perein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date: Expiration Date:
Signed: Title: Based on the stand is here COGCC Application of the standard is here COGCC Application of the standard is here.	Regulatory Analyst the information provided hereby approved. API NUMBER API NUMBER oresentations, stipulatitute representations, seable to the same extermit-to-Drill.	Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener Print Name: Susan Miller Date: 6/9/2017 Email: Regulatorynotification@nblener Print Name: Susan Miller Regulatorynotification@nblener Director of COGCC Date: Expiration Date: Expiration Date: Conditions Of Approval ions and conditions of approval stated in the Form 2A for this location shall and are

		Best Management Practices
οВ	MP/COA Type	Description
1 P		When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
20	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and itides. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be
	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final
4	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
5	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

Att Doc Num	Name	
401257887	FORM 2 SUBMITTED	
401284849	OffsetWellEvaluations Data	
401284883	DEVIATED DRILLING PLAN	
401284884	WELL LOCATION PLAT	
401284885	DIRECTIONAL DATA	
401284888	SURFACE AGRMT/SURETY	
401291865	EXCEPTION LOC REQUEST	
401316413	SURFACE AGRMT/SURETY	

	General C	Comments Comment Date
User Group	Comment	Stamp Upon Approval
		, pp.
Total: 0 comm	ent(s)	
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Public Comments			
No public comments were received on this application during the comment period.			

Rev

State of Colorado

Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203



Document Number:

401257012

1120 Lincoln Street, Suite 801, Deliver, Scientific 301, Deliver, Scien	- V	BMITTED)
APPLICATION FOR PERMIT TO:	prete	NI SAMBOO SA
Drill Deepen Re-enter Recomplete and Ope	Date Re	eceived:
YPE OF WELL OIL X GAS COALBED OTHER	Refiling 06	/09/2017
COMMINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES	Sidetrack	
Well Number: Y16-718		
lame of Operator: NOBLE ENERGY INC	C Operator Number:	100322
Address: 1625 BROADWAY STE 2200		
City: DENVER State: CO Zip: 80202		
Phone: (303)228-4246 Fax: ()	
Contact Name: Susan Miller Thomas (Contact Name)		
Email: susan.miller@nblenergy.com		
RECLAMATION FINANCIAL ASSURANCE		
Plugging and Abandonment Bond Surety ID: 20030009		
WELL LOCATION INFORMATION		
WELL LOCATION INFORMATION Otrotr: NENE Sec: 16 Twp: 2N Rng: 64W Meridian: 6		
QtrQtr: NENE 366. 10 Longitude: -104 550170		
Latitude: 40.144100 FILIFIL FELIFILL		
For FEL 890 Feet FEL		
Footage at Surface. 90750		
Field Name: WATTENDERG	A December 1	
Glound Lievation	Andy Maggiore	
GPS Data: Date of Measurement: 09/13/2016 PDOP Reading: 2.2 Instrument Operator's Name:		
submit deviated drilling plan		
II Well to Dettern Hole: ENI (ES)	FEL/FWL	
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole. FNL 550 FEL 465 FNL	550 FEL	N
Sec: 16 Twp: 2N Rng: 64W Sec: 4 Tw	o: 2N Rng: 64	<u> </u>
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT		
Surface Ownership: Fee	8	
The Surface Owner is:		
(check all that apply) (check all that apply) It is committed to an Oil and Gas Lease.		
is the applicant.		
■ The state of th	eral Tindian	
The Mineral Owner beneath this Oil and Gas Location is: Fee X State Fee		
The Mineral Owner beneath this Oil and Gas Location is:		
The Mineral Owner beneath this Oil and Gas Location is: The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes		
The Mineral Owner beneath this Oil and Gas Location is: The Mineral Owner beneath this Oil and Gas Location will be developed by this Well: Yes The Mineral Owner beneath this Oil and Gas Location will be developed by this Well: Yes oil and gas lease	ce Surety ID:	

Section 16, T2N-R64W: All.						
tal Acres in Described Leas	e: 640	Described Mineral Lease	is: T Fee	⊠ State	Federal	☐ Indian
deral or State Lease #	70/7879-S	944 WA TUE ENGLANDS	n diamen	0 Fee	et	
stance from Completed Por	tion of Wellbore to	Nearest Lease Line of descr	ibed lease:			
ULTURAL DISTANCE istance to nearest: Building High Occupancy Building Designated Outside Activity	Iding: 1052 Unit: 1546 Unit: 5280	Feet Feet	- A the fer - E - Bu bo	e Proposed Well ature as described inter 5280 for dist	to nearest of ed in Rule 303.a tance greater to building of an one Unit, enter so	than 1 mile. y type. If nearest came distance for building Unit, and
Designated Outside Activity Public	700.00000	Feet	10	00-Series Rules.		
Above Ground	TO POTENTIAL TO A STATE OF THE	Feet				
		Feet				
Propert		Feet				
DESIGNATED SETBA INFORMATION Check all that apply. This lo Pre-application Notifications Date of Rule 305.a.(1)	cation is within a: s (required if locatio Urban Mitigation A	Buffer Zone Exception Zone Urban Mitigation Area n is within 1,000 feet of a burea Notification to Local Go-	uilding unit):	L,000' of a Buildin Exception Zone -	g Unit as described i uilding Unit.	ule 604.a.(2), within n Rule 604.a.(1), ined in 100-Series
		ation to Danish 5			1	
SPACING and UNIT II Distance from completed p same formation: 458 Distance from Completed Federal or State Unit Nam	ortion of proposed Feet Portion of Wellbore e (if appl):	NTS	465Fee	et (Enter 5280 fo Unit Nur	or distance gr mber:	eater than 1 mile.)
ODACING & EODMA		ration, Docket No. 1707004 :: All, Section 9: All, Section	29, scheduled f 16: N/2N/2.	ior July-2017 He	earing, consis	sts of: Township 2
SPACING & FORMA Proposed Drilling and S North, Range 64 West,	Out 1 .ivi., Coolie.					
		2 0 50 W Later		- stangel to Wall	Unit Confic	uration (N/2, SE/4, et
Proposed Drilling and S North, Range 64 West,		Spacing Order Number(s)		assigned to Well	Unit Config	uration (N/2, SE/4, etc

RILLING PRO								
		unair F						
roposed Total I	Measured Dept	h: 18015 Fee	T.	angeed wellhore he	longing to anothe	er operator, inc	luding plugge	d wells:
istance from th	e proposed we	libore to nearest e	xisting or pro	posed wellbore be	vell belonging to	another operat	or within 1,50	00 feet
		ual to 1,500 feet:		Feet IX NO W	veli belonging to			
Vill a closed-loc	p drilling syste	m be used? Ye	es			than		
s H2S gas reas	onably expecte	d to be encountered	ed during dri	lling operations at o	concentrations gr	eater man		
or equal to 100	ppm? No	(If Yes, attach ar	n H2S Drillin	g Operations Plan)				
Will salt section	s be encounter	ed during drilling?	No	_				
Will salt based (>15,000 ppm (OI) drilling fluids be	used? _	No				
		used? Yes	_					
BOP Equipmen	t Type: X An	nular Preventor	▼ Double		ating Head	None		
DOLINDWA.	TED BASEL	INE SAMPLING	AND MC	ONITORING AN	D WATER W	ELL SAMPL	ING	
				Sentential Service Settler (SES)				
		per Rule 318/						
RILLING W	ASTE MANA	GEMENT PRO	GRAM			W270		
Drilling Fluids		FFSITE	Drilling Flu	ids Disposal Metho				
		11077.55	Cutt	tings Disposal Meth	od: Commercial	Disposal		
Cuttings Dispo			1					
Other Dispose	il Description.	u dated to od	dress non-oi	I based mud and flu	uids used in non-	producing port	ion of wellbor	e
Drilling waste	uisposai iriioiri	oplication plan sub	Total Total Sty	204.044				
CASING PR			18/4/54		4/			
Casing Type				Ged/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
	Size of Hole	Size of Casing	<u>Wt/Ft</u>	Csg/Liner Top	Setting Depth 80	Sacks Cmt	80	0
CONDUCTOR	26	16	42 36		-	6 691		
CONDUCTOR SURF	1073907		42	0	80	6	80	0
CONDUCTOR SURF 1ST	26 13+3/4 8+1/2	16 9+5/8 5+1/2	42 36	0	80 1950	6 691	80	0
CONDUCTOR SURF 1ST Conductor	26 13+3/4 8+1/2 Casing is NOT	16 9+5/8 5+1/2 planned	42 36 20	0 0	80 1950	6 691	80	0
CONDUCTOR SURF 1ST Conductor DESIGNATE	26 13+3/4 8+1/2 Casing is NOT ED SETBAC	16 9+5/8 5+1/2	42 36 20	0 0	80 1950	6 691	80	0
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply:	16 9+5/8 5+1/2 planned K LOCATION E	42 36 20 EXCEPTIO	0 0 0	80 1950 18015	6 691 2365	80 1950	0
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply:	16 9+5/8 5+1/2 planned K LOCATION E	42 36 20 EXCEPTIO	0 0 0	80 1950 18015	6 691 2365	80 1950	0
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Excepti	16 9+5/8 5+1/2 planned K LOCATION E on Zone (within 50 ion Location (exist	42 36 20 EXCEPTION 00' of Building or appro	ONS Ing Unit) ved Oil & Gas Loca	80 1950 18015	6 691 2365 Designated S	80 1950 etback as a re	0 0
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Excepti b.(1)A. Excepti a.)	16 9+5/8 5+1/2 planned K LOCATION E on Zone (within 50) ion Location (existing to be considered as a second consistered consistered as a second consistered consistered consistered as a second consistered consistered consis	42 36 20 EXCEPTION 00' of Building or appro	ONS Ing Unit) ved Oil & Gas Loca	80 1950 18015	6 691 2365 Designated S	80 1950 etback as a re	0 0
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CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Construct	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception.b.(1)A. Exception after Location.	16 9+5/8 5+1/2 r planned K LOCATION E on Zone (within 50 ion Location (existing approval)	42 36 20 EXCEPTION OO' of Building or approving or approveness or	0 0 0 OONS Ing Unit) Ived Oil & Gas Local Ived Oil & Gas Local Ic development plan	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception.b.(1)B. Exception after Location.b.(2) Exception.b.(3) Exception.b.(3) Exception.b.(3) Exception.b.(3) Exception.	16 9+5/8 5+1/2 r planned K LOCATION E on Zone (within 50 ion Location (existing approval)	42 36 20 EXCEPTION OO' of Building or approving or approveness or	0 0 0 OONS Ing Unit) Ived Oil & Gas Local Ived Oil & Gas Local Ic development plan	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Location. b.(2) Exception. b.(3) Exception. b.(3) Exception.	16 9+5/8 5+1/2 r planned K LOCATION Enterior Control (within 50 ion Location (existion approval) In Location (SUA on Location (Building 19-5/8)	42 36 20 EXCEPTION OO' of Building ing or appropriating or appropriating or appropriating or appropriating or appropriating Units consists	O O O O O O O O O O O O O O O O O O O	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Location. b.(2) Exception. b.(3) Exception. b.(3) Exception.	16 9+5/8 5+1/2 r planned K LOCATION E on Zone (within 50 ion Location (existing approval)	42 36 20 EXCEPTION OO' of Building ing or appropriating or appropriating or appropriating or appropriating or appropriating Units consists	O O O O O O O O O O O O O O O O O O O	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Construct Rule 604 Construct Rule 604 Construct Check all that	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception. b.(1)A. Exception after Location after Location. b.(2) Exception. b.(3) Exception. wattenber	16 9+5/8 5+1/2 i planned K LOCATION E ion Zone (within 50 ion Location (exist ion Location (exist on approval) in Location (SUA on Location (Buildir	42 36 20 EXCEPTION 20' of Building or appropriate of appropriate	O O O O O O O O O O O O O O O O O O O	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Rule 604 Construct Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Location after Location. b.(2) Exception. b.(3) Exception. b.(3) Exception. wattenbe	16 9+5/8 5+1/2 r planned K LOCATION Entered From Zone (within 50 toon Location (existion Location (existion approval) r Location (Building Company Com	42 36 20 EXCEPTION The second of the secon	O O O O O O O O O O O O O O O O O O O	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Rule 604 Construct Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Location after Location. b.(2) Exception. b.(3) Exception. b.(3) Exception. wattenbe	16 9+5/8 5+1/2 i planned K LOCATION E ion Zone (within 50 ion Location (exist ion Location (exist on approval) in Location (SUA on Location (Buildir	42 36 20 EXCEPTION The second of the secon	O O O O O O O O O O O O O O O O O O O	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit
CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604 Rule 604 Rule 604 Rule 604 Rule 604 Construct Rule 604 Rule 604 Construct Rule 604	26 13+3/4 8+1/2 Casing is NOT ED SETBAC apply: a.(1)A. Exception. b.(1)B. Exception after Location after Location. b.(2) Exception. b.(3) Exception. b.(3) Exception. control plan WATTENBE apply: 3A.a. Exception.	16 9+5/8 5+1/2 r planned K LOCATION Entered From Zone (within 50 toon Location (existion Location (existion approval) r Location (Building Company Com	42 36 20 EXCEPTION The second of the secon	O O O O O O O O O O O O O O O O O O O	1950 18015 ation now within a	6 691 2365 Designated Set	80 1950 eetback as a reback due to B	0 0 esult of uilding Unit

COA Ty	pe	<u>Description</u>
consti	oresentations, stipulat tute representations, ceable to the same ext ermit-to-Drill.	ions and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are stipulations and conditions of approval stated in the form as all other representations, stipulations and conditions of approval stated in
	£ 95 8	Conditions Of Approval Learnitions of approval stated in the Form 2A for this location shall
05	API NUMBER	
OGCC A		Expiration Date:
ased on th	he information provided he by approved.	erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
Title:	Regulatory Analyst	Date: 6/9/2017 Email: Regulatorynotification@nblener
Signed:		
hereby ce	ertify all statements made	in this form are, to the best of my knowledge, true, correct, and complete.
s this appl	lication being submitted w	rith an Oil and Gas Location Assessment application?
ocation ID):	
ale englies	locate any well greater to ation is in a Comprehensive	nan mity (50) lest nom an exemy
	Please see Page 5, Sec	o another Operator = None within 1500'. tion 6., Consents and Waivers of the attached Surface Use Agreement for exception location GCC Rule 318A.a. to locate any well outside of the GWA window and COGCC Rule 318A.c. to han fifty (50) feet from an existing well.
	measurement of distance	e to nearest well is from the disastrone of another Operator = None within 1500'.
	zones and exposure to classed mud.	based drilling fluid. Noble Energy and pad well. Bubicon State Y16-725, Noble, 458'. The
	ACTOECOST Rubicon Sta	te Y16-718, doc no. 401257012. te both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing to both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing to both the Fox Hills and Upper Pierre Aquifer to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil
nments	no. 401255566, Hullabali State V16-738, doc no. 4	01256315, Rubicon State Y16-731, doc no. 401256940, Rubicon State Y16-725, doc no.
ERATO	R COMMENTS AND	10.1050047 Utillohalaa State V21-736 doc
	The second second	OUDMITTAL
LL excepti	ions and variances require rtifications, SUAs).	e attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
	(e) =ti Legatio	p (Property Line Setback).
Rule 31	18.c. Exception Location fi	rom Rule or Spacing Order Number
ck all that	CATION EXCEPTION apply:	

- 5	MAD/COA Type	Best Management Practices escription
-	lanning V	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the lad will have a cement bond log with gamma-ray run on production casing (or on the surface casing. The horizontal fortion of every well will be logged with a measured-while-drilling gamma-ray log. The form 5, Completion Report, for each well on the pad will list all logs run and have hose logs attached. The Form 5 for a well without open-hole logs shall clearly state Tho open-hole logs were run" and shall clearly identify (by API#, well name & number)
20	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and indicated wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be
3	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final
4	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
5	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

Att Doc Num	Name	
401257012	FORM 2 SUBMITTED	
401282173	OffsetWellEvaluations Data	
401282175	DIRECTIONAL DATA	
401282177	DEVIATED DRILLING PLAN	
401282178	WELL LOCATION PLAT	
401282193	SURFACE AGRMT/SURETY	
401292772	EXCEPTION LOC REQUEST	
401316382	SURFACE AGRMT/SURETY	

		General Comments	Comment Date
User Group	Comment		Stamp Upon Approva
			Approve
Total: 0 comm	nent(s)		
		10	
		Y MAN	
			Jy Ph.)
			*
1			



Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401256957

(SUBMITTED)

APPLICATION FOR PERMIT TO:	(SOBMITTES)
▼ Drill □ Deepen □ Re-enter □ Recomplete and Operate	Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER F	06/09/2017
	letrack
Well Name: Rubicon State Well Number: Y16-725	
Name of Operator: NOBLE ENERGY INC	perator Number: 100322
Address: 1625 BROADWAY STE 2200	
City: DENVER State: CO Zip: 80202	
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()	
Email: susan.miller@nblenergy.com	
RECLAMATION FINANCIAL ASSURANCE	
Plugging and Abandonment Bond Surety ID: 20030009	
450 FNL 980 FEL 433	dy Maggiore FEL/FWL 80 FEL 2N Rng: 64W
DETACLARIES SCHOOL SCHOOL SEED SEED SEED SEED SEED SEED SEED SEE	
Surface Ownership: Fee State Federal Indian	
The Surface Owner is: is the mineral owner beneath the location. (check all that apply)	
Ccheck all that apply) is committed to an Oil and Gas Lease.	
37-0-0-7 (80-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	
is the applicant.	Indian
The Mineral Owner beneath this Oil and Gas Location is:	
The Minerals beneath this Oil and Gas Location will be developed by this Transfer	
The right to construct the Oil and Gas Location is granted by: oil and gas lease Surface Su	rety ID:
Surface damage assurance if no agreement is in place:	

	ase:640	Described Mineral Lease	is: Fee 💢 State	Federal Indian
deral or State Lease #	70/7879-S	28 114	ibod lease: 0 Fee	•
stance from Completed Po	ortion of Wellbore to N	learest Lease Line of descr	ibed lease: 0 Fee	
Buildir High Occupancy Buildir Designated Outside Activit Public Above Ground	uilding: 1067 ng Unit: 1578 ng Unit: 5280 ny Area: 5280 nc Road: 911 nd Utility: 901	Feet Feet Feet	the Proposed Well feature as described - Enter 5280 for dist - Building - nearest Building is a Buildin both.	shall be provided from center of conearest of each cultural lin Rule 303.a.(5). ance greater than 1 mile. building of any type. If nearest g Unit, enter same distance for a Occupancy Building Unit, and Activity Area - as defined in
	idiii odi.	Feet		
DESIGNATED SETBANFORMATION Check all that apply. This I	ocation is within a: ns (required if location) Urban Mitigation Ai	Buffer Zone Exception Zone Urban Mitigation Area is within 1,000 feet of a burea Notification to Local Goration to Building Unit Owne	1,000' of a Buildin, - Exception Zone - within 500' of a Bu - Urban Mitigation Rules. uilding unit):	as described in Rule 604.a.(1),
Date of Rule 305.a.(Date of Rule 305.a.(2	2) Buffer Zone Notific	200 AWARD - 500		
Date of Rule 305.a.(2 SPACING and UNIT Distance from completed same formation: 434	INFORMATION portion of proposed v Feet Portion of Wellbore		ed portion of offset wellbore per	r distance greater than 1 mile.)
Date of Rule 305.a.(2 SPACING and UNIT Distance from completed same formation: 434 Distance from Completed Federal or State Unit Nar SPACING & FORMA	INFORMATION portion of proposed v Feet Portion of Wellbore me (if appl): ATIONS COMME	wellbore to nearest complete to Nearest Unit Boundary NTS	ed portion of offset wellbore per 465 Feet (Enter 5280 fo Unit Nur	r distance greater than 1 mile.)
Date of Rule 305.a.(2 SPACING and UNIT Distance from completed same formation: 434 Distance from Completed Federal or State Unit Nar SPACING & FORMA Proposed Drilling and North, Range 64 Wes	INFORMATION portion of proposed of Feet Portion of Wellbore me (if appl): ATIONS COMME Spacing Unit configut, 6th P.M., Section 4	wellbore to nearest complet to Nearest Unit Boundary	ed portion of offset wellbore per 465 Feet (Enter 5280 fo Unit Nur	r distance greater than 1 mile.)
Date of Rule 305.a.(2 SPACING and UNIT Distance from completed same formation: 434 Distance from Completed Federal or State Unit Nar SPACING & FORMA	INFORMATION portion of proposed of Feet Portion of Wellbore me (if appl): ATIONS COMME Spacing Unit configut, 6th P.M., Section 4	wellbore to nearest complete to Nearest Unit Boundary NTS	ed portion of offset wellbore per 465 Feet (Enter 5280 fo Unit Nur	r distance greater than 1 mile.)

	- Contract and the Contract and							
RILLING PRO		go gagaa ex						
Proposed Total	Measured Dep	th: <u>17865</u> Fee	et	and wallbore bo	longing to anothe	er operator, inc	cluding plugge	ed wells:
				oposed wellbore be	vell belonging to	another opera	tor within 1.5	00 feet
		qual to 1,500 feet:		Feet X No v	veil belonging to	another opera		
Will a closed-loc	p drilling syste	em be used? Ye	es			A 2015000		
Is H ₂ S gas reas	onably expecte	ed to be encounter	ed during dr	illing operations at o	concentrations gr	eater than		
or equal to 100	ppm? No	_ (If Yes, attach a	n H2S Drillir	ng Operations Plan)				
Will salt section	s be encounter	red during drilling?	No					
Will salt based (>15,000 ppm	CI) drilling fluids be	used? _	No				
Will oil based d	rilling fluids be	used? Yes	_				¥	
BOP Equipmen	t Type: 🗵 An	nular Preventor	▼ Double		ating Head	None		
GROUNDWA	TER BASEL	INE SAMPLIN	G AND MO	ONITORING AN	D WATER W	ELL SAMPL	ING	
Water well san	npling required	per Rule 318.	A					
		AGEMENT PRO						
				uids Disposal Metho	ds: Commercial	Disposal		
Drilling Fluids		OFFSITE_		tings Disposal Meth				
Cuttings Dispo	sal: OFFS	ITE	Cut	tings Disposal Metri	ou. Commercial	Disposa		
Other Disposa	I Description:				td- ward in non	producing por	tion of wellbor	e.
Drilling waste	disposal inform	nation added to ad	dress non-o	il based mud and flu	lias usea in non-	producing por	HOIT OF WORDON	
CASING PRO		av (O)	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
Casing Type		Size of Casing	42	0	80	6	80	0
CONDUCTOR	26 13+3/4	9+5/8	36	0	1950	691	1950	0
1ST	8+1/2	5+1/2	20	0	17865	2339		
Conductor	Casing is NOT	planned						
DESIGNATE	D SETBAC	K LOCATION E	XCEPTIC	ONS				
Check all that a								
		on Zone (within 50	00' of Buildin	g Unit)				out of
Rule 604.	b.(1)A. Excepti	ion Location (existi	ng or appro	ved Oil & Gas Loca	tion now within a	Designated S	etback as a re	esuit oi
D. 1- 004	- \							
constructi	on after Locati	on approvai)		ved Oil & Gas Loca				allaling of its
Rule 604.	b.(2) Exception	n Location (SUA o	r site-specifi	c development plan	executed on or l	before August	1, 2013)	10.
Rule 604.	b.(3) Exception	n Location (Buildin	g Units cons	structed after Augus	t 1, 2013 within s	setback per an	SUA or site-s	вреспіс -
\$20,000 modern 2000 for the con-		RG AREA LOC	CATION E	XCEPTIONS				
Check all that	apply:							
		Location (GWA W						
IX. Hule 310		Location (GWA W Location (GWA T						

COGCC Approx	control of the contro	from Rule or Spacing Con (Property Line Setbare attached Request Leconsists of: Hullabaloc Iloo State Y21-726, doc 401256315, Rubicon State Y16-718, doc no.	Order Numback). State Y21 C no. 40125 State Y16-73 01257012. nd Upper P Noble Ener proposed particollision None withir Waivers of pocate any was an existing	ber efer to applicable 1-746 Ref, doc nose for the second well, Rubicon Report. 1 1500'. If the attached Second well outside of the second well. CDP #: essment applicate yellowed the second well. Print Name: Second well.	no. 40125391 po State Y21 256940, Rub vith surface of to not expose n State Y16- urface Use A ne GWA wind tion? ue, correct, a Gusan Miller Email:	Regulatorynotification@nblener
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Signed: Title: Reg Based on the intand is hereby ap	gulatory Analyst		Date:	Print Name: 5	Busan Miller Email:	Regulatorynotification@nblener
Title: Reg Based on the inf and is hereby ap COGCC Approv	formation provided h	erein, this Application f	(2017) (100) (100)	6/9/2017	Email:	
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COGCC Approv	pprovo			o-Drill compiles	with COGC	C Rules and applicable orders
			Dire	ector of COGC	c Date:	
	ved:					
0.5	API NUMBER					
05						
		1922				
		Cond	ditions	Of Approv	<u>/al</u> –	OA foutble leastler shall
All represe constitute enforceabl this Permi	representations, le to the same ext	ions and conditions stipulations and co tent as all other rep	s of appro inditions resentation	oval stated ir of approval f ons, stipulati	the Form or this For ons and co	2A for this location shall m 2 Permit-to-Drill and are onditions of approval stated in
COA Type	A CONTRACTOR OF THE CONTRACTOR	Description				9

		Best Management Practices
No E	BMP/COA Type	Description
	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the boad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal contion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
2 (General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be
3	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final
4	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
5	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

Att Doc Num	Name .	
401256957	FORM 2 SUBMITTED	
401282127	OffsetWellEvaluations Data	
401282129	DIRECTIONAL DATA	
401282132	DEVIATED DRILLING PLAN	
401282133	WELL LOCATION PLAT	
401282139	SURFACE AGRMT/SURETY	
401292715	EXCEPTION LOC REQUEST	
401316385	SURFACE AGRMT/SURETY	

		General Cor	mments Comment Da
al: O comment(s)	ser Group	Comment	Stamp Upo Approv
	otal: 0 comm	ent(s)	
	otal: 0 comm	ent(s)	
		/ / N/ N/	
			4
			<i>3</i> 1

	Public Comments	
No publ	lic comments were received on this application during the comment period.	
Jan. 9.		
(*)		

State of Colorado

Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203



Document Number:

401256940

08/16 Phone: (303) 894-2100 Fax: (303) 894-2109	(SUBMITTED)
APPLICATION FOR PERMIT TO:	
▼ Drill	te and Operate Date Received:
TYPE OF WELL OIL 😿 GAS 🥒 COALBED 🦳 OTHER	Refiling 06/09/2017
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES	Sidetrack
Well Name: Rubicon State Well Number:	
Name of Operator: NOBLE ENERGY INC	COGCC Operator Number: 100322
Address: 1625 BROADWAY STE 2200	
City: DENVER State: CO Zip: 80202	
Contact Name: Susan Miller Phone: (303)228-4246 I	Fax: ()
RECLAMATION FINANCIAL ASSURANCE	
Plugging and Abandonment Bond Surety ID: 20030009	
WELL LOCATION INFORMATION	
OtrOtr: NENE Sec: 16 Twp: 2N Rng: 64W Meridian:	6
Latitude: 40.144110 Longitude: -104.550440	
- THE OCE Feet	FEL
Footage at Surface: 595 Feet 1142 500	
County: WELD	10 - P. S
Ground Elevation. 4545	
Date of Measurement: 09/13/2016 PDOP Reading: 1.6 Instrument Operator	r's Name: Andy Maggiore
If well is Directional Norizontal (highly deviated) submit deviated dri	
	NL/FSL FEL/FWL
450 FNL 1405 FEL 465	FNL 1405 FEL Twp: 2N Rng: 64W
Sec: 16 Twp: 2N Rng: 64W Sec: 4	Twp: 2N Rng: 64W
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT	
Indian	
Surface Ownership.	
The Surface Owner is: (check all that apply) X is the mineral owner beneath the location.	
has signed the Oil and Gas Lease.	
is the applicant.	
The same of the sa	Federal Indian
The Mineral Owner beneath this Oil and Gas Location is.	res
The Minerals beneath this Oil and Gas Location will be developed by this Training	
The right to construct the Oil and Gas Location is granted by: oil and gas lease	Surface Surety ID:
Surface damage assurance if no agreement is in place:	

	0.40	Described Mineral Lease is	: Fee 👿 St	ate Federal Indian			
otal Acres in Described Lease	A	Described Milleral Edday					
ederal or State Lease #	70/7879-S	Negrot Loaco Line of describ	ed lease: 0	Feet			
istance from Completed Porti	on of Wellbore to	Nearest Lease Line of describ					
CULTURAL DISTANCE I	NFORMATION	1	the Proposed	vs: ements shall be provided from center of d Well to nearest of each cultural escribed in Rule 303.a.(5).			
Build	ding: 1083	Feet	- Enter 5280	for distance greater than 1 mile.			
Building	-	Feet	- Building - n Building is a	earest building of any type. If nearest Building Unit, enter same distance for			
High Occupancy Building	HOSPICAL HOLDER	Feet	both.				
Designated Outside Activity A		Feet	- Building Ur Designated	- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in			
Public R		Feet	100-Series R				
Above Ground U		Feet					
		Feet					
Property	-	Feet					
Check all that apply. This local Pre-application Notifications (required if locatio	rea Notification to Local Gove	- Urban Mit Rules. ling unit):	of a Building Unit. igation Area - as defined in 100-Series			
Date of Rule 305.a.(1) C	suffer Zone Notific						
Date of Rule 305.a.(2) B	FORMATION						
Date of Rule 305.a.(2) B SPACING and UNIT INI Distance from completed por same formation: 428 Distance from Completed Po	FORMATION tion of proposed v Feet ortion of Wellbore	wellbore to nearest completed	portion of offset wellbo	re permitted or completed in the 280 for distance greater than 1 mile. it Number:			
Date of Rule 305.a.(2) B SPACING and UNIT IN Distance from completed por same formation: 428 Distance from Completed Por Federal or State Unit Name	FORMATION tion of proposed v Feet ortion of Wellbore (if appl):	wellbore to nearest completed to Nearest Unit Boundary	portion of offset wellbo	280 for distance greater than 1 mile.			
Date of Rule 305.a.(2) B SPACING and UNIT INI Distance from completed por same formation: 428 Distance from Completed Por Federal or State Unit Name	FORMATION tion of proposed v Feet ortion of Wellbore (if appl): ONS COMME	wellbore to nearest completed to Nearest Unit Boundary NTS	portion of offset wellbo 465 Feet (Enter 5. Un	280 for distance greater than 1 mile. it Number:			
Date of Rule 305.a.(2) B SPACING and UNIT INI Distance from completed por same formation: 428 Distance from Completed Po Federal or State Unit Name of SPACING & FORMATI	FORMATION tion of proposed v Feet ortion of Wellbore (if appl): ONS COMME	wellbore to nearest completed to Nearest Unit Boundary NTS	portion of offset wellbo 465 Feet (Enter 5) Un	280 for distance greater than 1 mile.			
Date of Rule 305.a.(2) B SPACING and UNIT INI Distance from completed por same formation: 428 Distance from Completed Po Federal or State Unit Name of SPACING & FORMATI	FORMATION tion of proposed v Feet ortion of Wellbore (if appl): ONS COMME acing Unit configu th P.M., Section 4	wellbore to nearest completed to Nearest Unit Boundary NTS ration, Docket No. 170700429 : All, Section 9: All, Section 16	portion of offset wellbo 465 Feet (Enter 5: Un , scheduled for July-20: N/2N/2.	280 for distance greater than 1 mile. it Number: 17 Hearing, consists of: Township 2			
Date of Rule 305.a.(2) B SPACING and UNIT INI Distance from completed por same formation: 428 Distance from Completed Por Federal or State Unit Name of SPACING & FORMATI Proposed Drilling and Spa North, Range 64 West, 6t OBJECTIVE FORMATI Objective Formation(s)	FORMATION tion of proposed v Feet ortion of Wellbore (if appl): ONS COMME acing Unit configu th P.M., Section 4	wellbore to nearest completed to Nearest Unit Boundary NTS ration, Docket No. 170700429 : All, Section 16	portion of offset wellbo 465 Feet (Enter 5) Un	280 for distance greater than 1 mile. it Number: 17 Hearing, consists of: Township 2			

RILLING PROGRAM	
Proposed Total Measured Depth: 17925	Feet
Distance from the proposed wellbore to neare	est existing or proposed wellbore belonging to another operator, including plugged wells:
Enter distance if less than or equal to 1,500 for	
Will a closed-loop drilling system be used?	
	ntered during drilling operations at concentrations greater than
or equal to 100 ppm? No (If Yes, attack	ch an H2S Drilling Operations Plan)
Will salt sections be encountered during drilli	
Will salt based (>15,000 ppm Cl) drilling fluid	
Will oil based drilling fluids be used?	
BOP Equipment Type: X Annular Prevento	or 🔀 Double Ram 🔀 Rotating Head None
	ING AND MONITORING AND WATER WELL SAMPLING
Water well sampling required per Rule	318A
Tracol monorman of the contract of the contrac	
DRILLING WASTE MANAGEMENT F	PROGRAM
DRILLING WASTE MANAGEMENT F	PROGRAM Drilling Fluids Disposal Methods: Commercial Disposal
DRILLING WASTE MANAGEMENT F Drilling Fluids Disposal: OFFSITE	Drilling Fluids Disposal Methods: Commercial Disposal
DRILLING WASTE MANAGEMENT F Drilling Fluids Disposal: OFFSITE Cuttings Disposal: OFFSITE	
DRILLING WASTE MANAGEMENT F Drilling Fluids Disposal: OFFSITE Cuttings Disposal: OFFSITE Other Disposal Description:	Drilling Fluids Disposal Methods: Commercial Disposal Cuttings Disposal Method: Commercial Disposal
DRILLING WASTE MANAGEMENT F Drilling Fluids Disposal: OFFSITE Cuttings Disposal: OFFSITE Other Disposal Description: Drilling waste disposal information added to	Drilling Fluids Disposal Methods: Commercial Disposal Cuttings Disposal Method: Commercial Disposal address non-oil based mud and fluids used in non-producing portion of wellbore.
DRILLING WASTE MANAGEMENT F Drilling Fluids Disposal: OFFSITE Cuttings Disposal: OFFSITE Other Disposal Description:	Drilling Fluids Disposal Methods: Commercial Disposal Cuttings Disposal Method: Commercial Disposal address non-oil based mud and fluids used in non-producing portion of wellbore.

CASING PROGRAM

CAGINGTIN		Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
Casing Type	Size of Hole	Size of Casing	0.03.02.0		10000	6	80	0
CONDUCTOR	26	16	42	0	80	O .		-
SURF	13+3/4	9+5/8	36	0	1950	691	1950	0
		5+1/2	20	0	17925	2350		
1ST	8+1/2	5+1/2	20			1		AV

Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

X Rule 318A.a. Exception Location (GWA Windows).

Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

constit	tute representations, eable to the same extermit-to-Drill.	tions and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are tent as all other representations, stipulations and conditions of approval stated in Description
		Conditions Of Approval
05		
OGCC Ap	API NUMBER	Expiration Date:
nd is here	by approved.	nerein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
	Regulatory Analyst	Date: 6/9/2017 Email: Regulatorynotification@nblener
Signed:		Print Name: Susan Miller
		e in this form are, to the best of my knowledge, true, correct, and complete.
ocation IC s this app		with an Oil and Gas Location Assessment application?
	ation is in a Comprehens	ive Drilling Plan CDP #:
Rule 6 LL excep vaivers, co	otions and variances requertifications, SUAs). CR COMMENTS ANI Y16-27 PAD, 8-well page no. 401255566, Hullabas State Y16-738, doc no. 401256957, Rubicon State Y16-738, and consessed mud. Nearest well in same for distance to nearest well Nearest well belonging Please see Page 5, Se	tion (Property Line Setback). D SUBMITTAL d consists of: Hullabaloo State Y21-746 Ref, doc no. 401253917, Hullabaloo State Y21-736, doc aloo State Y21-726, doc no. 401255603, Hullabaloo State Y21-716, doc no. 401246151, Rubicon 401256315, Rubicon State Y16-731, doc no. 401256940, Rubicon State Y16-725, doc no. tate Y16-718, doc no. 401257012. ate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil ormation within DSU = proposed pad well, Rubicon State Y16-738, Noble, 428'. Measurement of Il is from attached Anticollision Report. It to another Operator = None within 1500'. Section 6., Consents and Waivers of the attached Surface Use Agreement for exception location of than fifty (50) feet from an existing well.
		from Rule or Spacing Order Number
eck all tha		
112112	OCATION EXCEPTION	

		Best Management Practices
No	BMP/COA Type	Description
1		When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
2	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
3	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
4	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
5	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

t Doc Num	Name
1256940	FORM 2 SUBMITTED
1282087	OffsetWellEvaluations Data
1282093	DIRECTIONAL DATA
1282094	DEVIATED DRILLING PLAN
1282095	WELL LOCATION PLAT
1282099	SURFACE AGRMT/SURETY
1292699	EXCEPTION LOC REQUEST
1316396	SURFACE AGRMT/SURETY
01282095 01282099 01292699	WELL LOCATION PLAT SURFACE AGRMT/SURETY EXCEPTION LOC REQUEST

	General Con	
Iser Group	Comment	Comment Date
		Stamp Upon Approval
otal: 0 comm	ent(s)	
	1000	
	A. Walley	
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Publ	lic Comments
	d on this application during the comment period.
	(4/2)
<u> </u>	

FORM 2 Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401255566

Phone: (303) 894-2100 Pax. (303) 834-2103
APPLICATION FOR PERMIT TO: (SUBMITTED)
▼ Drill Deepen Re-enter Recomplete and Operate Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER Refiling 06/07/2017
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES Sidetrack
Well Name: Hullabaloo State Well Number: Y21-736
Name of Operator: NOBLE ENERGY INC COGCC Operator Number: 100322
Address: 1625 BROADWAY STE 2200
City: DENVER State: CO Zip: 80202
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()
Email: susan.miller@nblenergy.com
RECLAMATION FINANCIAL ASSURANCE Plugging and Abandonment Bond Surety ID: 20030009
Plugging and Abandonment Bond Salety ID
WELL LOCATION INFORMATION
QtrQtr: NENE Sec: 16 Twp: 2N Rng: 64W Meridian: 6
Latitude: 40.144520 Longitude: -104.550440
FNLFSL FELFWL
Footage at Surface: 445 Feet FNL 967 Feet FEL
Field Name: WATTENBERG Field Number: 90750
Ground Elevation: 4945 County: WELD
GPS Data: Date of Measurement: 09/13/2016 PDOP Reading: 2.2 Instrument Operator's Name: Andy Maggiore
If well is Directional Ni Horizontal (highly deviated) submit deviated drilling plan.
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
750 FNL 1735 FEL 100 FSL 1735 FEL
Sec: 16 Twp: 2N Rng: 64W Sec: 21 Twp: 2N Rng: 64W
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT
Surface Ownership: Fee 💢 State Federal Indian
The Surface Owner is: is the mineral owner beneath the location.
(check all that apply)
⋈ has signed the Oil and Gas Lease.
is the applicant.
The Mineral Owner beneath this Oil and Gas Location is: Fee 💢 State Federal Indian
The Minerals beneath this Oil and Gas Location will be developed by this Well:
The right to construct the Oil and Gas Location is granted by: oil and gas lease
Surface damage assurance if no agreement is in place: Surface Surety ID:

Surface damage assurance if no agreement is in place:

Section 16, T2N-R64W: All				ry.)	
otal Acres in Described Lea	over the second	Described Mineral Lea	se is: Fee	▼ State	Federal Indian
ederal or State Lease #	70/7879-S				
Distance from Completed Po	rtion of Wellbore to	Nearest Lease Line of des	scribed lease:	0 F	eet
Distance to nearest: Bu Building High Occupancy Building Designated Outside Activity Public Above Ground	ilding: 953 g Unit: 1696 g Unit: 5280 Area: 5280 Road: 950 Utility: 938 ilroad: 5280			the Proposed Wel feature as describ - Enter 5280 for d - Building - neares Building is a Build both. - Building Unit, Hi	ts shall be provided from center of ll to nearest of each cultural bed in Rule 303.a.(5). istance greater than 1 mile. If nearest building of any type. If nearest ling Unit, enter same distance for ligh Occupancy Building Unit, and de Activity Area - as defined in
DESIGNATED SETBAG NFORMATION Check all that apply. This loc Pre-application Notifications Date of Rule 305.a.(1)	CK LOCATION cation is within a: (required if location Urban Mitigation Ar	Buffer Zone Exception Zone Urban Mitigation Area is within 1,000 feet of a brea Notification to Local Go	ouilding unit):	1,000' of a Buildi - Exception Zone within 500' of a B	 as described in Rule 604.a.(1),
SPACING and UNIT IN Distance from completed posame formation: 176 Distance from Completed Posame form Complete	IFORMATION ortion of proposed v Feet ortion of Wellbore t (if appl):	vellbore to nearest comple o Nearest Unit Boundary	ted portion of of		or distance greater than 1 mile.)
				1 2020 1/44	
SPACING & FORMAT		E/2 Section 21, N/2NE/4 9	Section 28, T2N	I, R64W.	
SPACING & FORMAT Spacing Unit Configuration	on: E/2 Section 16,				
	N. O. C.				
Spacing Unit Configuration OBJECTIVE FORMAT	N. O. C.	Spacing Order Number(s)		Assigned to Well	Unit Configuration (N/2, SE/4, etc

DRILLING PROGRAM
Proposed Total Measured Depth: 17129 Feet
Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:
Enter distance if less than or equal to 1,500 feet: 300 Feet No well belonging to another operator within 1,500 feet
Will a closed-loop drilling system be used? Yes
Is H2S gas reasonably expected to be encountered during drilling operations at concentrations greater than
or equal to 100 ppm? No (If Yes, attach an H2S Drilling Operations Plan)
Will salt sections be encountered during drilling? No
Will salt based (>15,000 ppm CI) drilling fluids be used? No
Will oil based drilling fluids be used? Yes
BOP Equipment Type: X Annular Preventor X Double Ram X Rotating Head None
GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING
Water well sampling required per Rule 318A
DRILLING WASTE MANAGEMENT PROGRAM
The state of the Property of t
Cuttings Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal
Other Disposal Description:
Drilling waste disposal information added to address non-oil based mud and fluids used in non-producing portion of wellbore.
Beneficial reuse or land application plan submitted? Yes
Reuse Facility ID: or Document Number: 2614238

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	26	16	42	0	80	6	80	0
SURF	13+3/4	9+5/8	36	0	1950	691	1950	0
1ST	8+1/2	5+1/2	20	0	17129	2236		

Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

Rule 318A.a. Exception Location (GWA Windows).

Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

ack all that apply: Rule 318.c. Exception Location from Rule or Spacing Order Number Rule 603.a. (2) Exception Location (Property Line Setback). LLL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (exceptions). Reversely the second of the second	Rule	502.b. Variance Reques	at from COCCC Bullo or Specing Order Number
Rule 318.c. Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (ewaivers, certifications, SUAs). PERATOR COMMENTS AND SUBMITTAL. Domments No. 401255568, Huliabaloo State V21-726, doc no. 4012559317, Huliabaloo State V21-736, no. 4012559318, Huliabaloo State V21-736, no. 401256997, Rubicon State V21-736, doc no. 401256997, Rubicon State V16-731, doc no. 401256997, Rubicon State V16-731, doc no. 401256997, Rubicon State V16-736, doc no. 401256997, Rub			st from COGCO hale of Spacing Order Namber
Per Rule 318.c. Exception Location from Rule or Spacing Order Number Rule 603.a.(2) Exception Location (Property Line Setback). Rule 603.a.(2) Exception Location (Property Line Setback). Rule 603.a.(2) Exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (evalvers, certifications, SUAs). Per ATOR COMMENTS AND SUBMITTAL	THER L	OCATION EXCEPT	TIONS
Pule 603.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (ewaivers, certifications, SUAs). PERATOR COMMENTS AND SUBMITTAL. Domments Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-748 Ref. doc no. 401259917, Hullabaloo State Y21-738, doc no. 401255969, Hullabaloo State Y21-726, doc no. 401255903, Hullabaloo State Y21-736, doc no. 401256907, Rubloon State Y16-731, doc no. 401256907, Rubloon State Y16-731, doc no. 401256907, Rubloon State Y16-738, doc no. 401256907, Rubloon	neck all th	at apply:	•
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Noments Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-746 Ref, doc no. 401255917, Hullabaloo State Y21-736, no. 401255568, Hullabaloo State Y21-726, doc no. 401255603, Hullabaloo State Y21-716, doc no. 401246151, Rub State Y16-726, doc no. 401256917, Hullabaloo State Y21-716, doc no. 401246151, Rub State Y16-726, doc no. 401256957, Hullabaloo State Y21-716, doc no. 401256957, Hullabaloo State Y21-716, doc no. 401246151, Rub State Y16-726, doc no. 401256957, Hullabaloo State Y21-746, doc no. 401256957, Hullabaloo State Y21-736, doc no. 401256957, Hullabaloo State Y21-746, doc no. 401256957, Hullabaloo State Y21-736, doc no. 401256957	☐ Rule	603.a.(2) Exception Loc	ation (Property Line Setback).
no. 401255566, Hullabaloo State Y21-7/8, doc no. 401255594, Fullabaloo State Y16-7/8, doc no. 401255945, Hullabaloo State Y16-7/8, doc no. 401255940, Fullabaloo State Y16-7/8, doc no. 401256940, Fullab	ALL exce waivers,	ptions and variances rec certifications, SUAs).	quire attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
no. 401255566, Hullabaloo State Y21-7/8, doc no. 401255593, Hullabaloo State Y16-7/8, doc no. 4012559315, Rubicon State Y16-7/8, doc no. 401255940, Rubicon State Y16-7/8, doc no. 401256940, Rubicon	PERAT	OR COMMENTS A	ND SUBMITTAL
This application is in a Comprehensive Drilling Plan Location ID: Is this application being submitted with an Oil and Gas Location Assessment application? I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nbler Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. Director of COGCC Director of COGCC Date: Expiration Date: API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	omments	no. 401255566, Hulla State Y16-738, doc no 401256957, Rubicon Noble Energy shall is zones and exposure to based mud. Nearest well in same nearest well is from the Nearest well belonging measurement of distances are page 5, Septiments of the services of	baloo State Y21-726, doc no. 401255603, Hullabaloo State Y21-716, doc no. 401246131, Nabicon of the Activation of the Y16-731, doc no. 401256940, Rubicon State Y16-725, doc no. State Y16-718, doc no. 401257012. Colate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil formation = Gerkin 33-21, API No. 05-123-23388, Noble, 176'. The measurement of distance to ne attached Anticollision Report. Ing to another Operator = Stonebraker 28U-234, API No. 05-123-36279, PDC Energy, 300'. The ance to nearest well calculated using COGIS data. Section 6., Consents and Waivers of the attached Surface Use Agreement for exception location COGCC Rule 318A.a. to locate any well outside of the GWA window and COGCC Rule 318A.c. to
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Director of COGCC Date: API NUMBER Expiration Date:			
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Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	ased on t	the information provided aby approved.	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
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All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	ased on the second is here	the information provided by approved.	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
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COA Type Description	ased on the notice of the noti	the information provided by approved. pproved: API NUMBER presentations, stipula	Director of COGCC Date: Expiration Date: Conditions Of Approval ations and conditions of approval stated in the Form 2A for this location shall are tinulations and conditions of approval for this Form 2 Permit-to-Drill and are
COA Type Bescription	ased on tond is here cogco A 05 All rep consti enforce	the information provided by approved. pproved: API NUMBER presentations, stipulative representations eable to the same expense.	Director of COGCC Date: Expiration Date: Conditions Of Approval ations and conditions of approval stated in the Form 2A for this location shall actions and conditions of approval for this Form 2 Permit-to-Drill and are
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	ased on the disherence of this Period of the disherence of this Period of the disherence of the disher	the information provided by approved. pproved: API NUMBER presentations, stipulative representations eable to the same exermit-to-Drill.	Director of COGCC Date: Expiration Date: Conditions Of Approval ations and conditions of approval stated in the Form 2A for this location shall stated in the Form 2 Permit-to-Drill and are stent as all other representations, stipulations and conditions of approval stated in the stated in the Form 2 Permit-to-Drill and are stent as all other representations, stipulations and conditions of approval stated in

n F	BMP/COA Type	Description
	Planning	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify potentially be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5. Bradenhead Monitoring: Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2	m1	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

Att Doc Num	<u>Name</u>	
401255566	FORM 2 SUBMITTED	
401281943	OffsetWellEvaluations Data	
401281948	DIRECTIONAL DATA	
401281949	DEVIATED DRILLING PLAN	
401281951	WELL LOCATION PLAT	
401281952	PROPOSED SPACING UNIT	
401281958	SURFACE AGRMT/SURETY	
401292006	EXCEPTION LOC REQUEST	
401315836	SURFACE AGRMT/SURETY	

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
OSCI GIOGE	40940	Stamp Upon Approval

Total: 0 comment(s)

Date Run: 6/22/2017 Doc [#401255566] Well Name: Hullabaloo State Y21-736

Page 6 of 7

	Public Comments	
	No public comments were received on this application during the comment period.	
t		

FORM 2

State of Colorado

Oil and Gas Conservation Commission



Surface Surety ID:

Document Number:

Rev 08/16 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2109	401257533
APPLICATION FOR PERMIT TO:	(SUBMITTED)
▼ Drill	Bets Besslund:
TYPE OF WELL OIL X GAS COALBED OTHER	Date Received: 06/07/2017
ZONE TYPE SINGLE ZONE X MOLTIPLE ZONES COMMINIMALE ZONE	detrack
Well Name: Hullabaloo State Well Number: Y21-763	40000
Name of Operator: NOBLE ENERGY INC COGCC O	perator Number: 100322
Address: 1625 BROADWAY STE 2200 City: DENVER State: CO. Zip: 80202	
City: DENVER State: CO Zip: 80202	
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()	
Email: susan.miller@nblenergy.com	
RECLAMATION FINANCIAL ASSURANCE	
Plugging and Abandonment Bond Surety ID: 20030009	
Sec: 16 1wp. 214 1tilg. 044	FEL/FWL
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT Surface Ownership:	├ Indian

Surface damage assurance if no agreement is in place:

CONTRACTOR CONTRACTOR SERVICE					
Using standard QtrQtr, Sec, To Deneath surface location if pro	wp, Rng format, de oduced. Attach sep	escribe one entire mineral arate description page or	lease that will b map if necessar	e produced by the produced by	nis well (Describe lease
Section 16, T2N-R64W: All.					
Total Acres in Described Leas	se: 640	Described Mineral Lea	ase is: 🦵 Fee	▼ State	Federal Indian
Federal or State Lease #	70/7879-S				
Distance from Completed Por	tion of Wellbore to	Nearest Lease Line of de	scribed lease:	0 F	eet
CULTURAL DISTANCE	INFORMATION	N		INSTRUCTIONS:	ts shall be provided from center of
Distance to nearest:			the Proposed We	II to nearest of each cultural	
Buil	lding: 2407	Feet		- Enter 5280 for d	oed in Rule 303.a.(5). istance greater than 1 mile.
Building	-	- Feet		- Building - neare:	st building of any type. If nearest ling Unit, enter same distance for
High Occupancy Building	-	Feet		both.	A STATE OF THE PROPERTY OF THE
Designated Outside Activity		Feet		- Building Unit, Hi	gh Occupancy Building Unit, and de Activity Area - as defined in
Public F		Feet		100-Series Rules.	
Above Ground U		Feet			
Rail	Iroad: 5280	Feet			
Property	Line: 445	Feet			
INFORMATION Check all that apply. This locations are the second and the second are the second a	ation is within a:	Buffer Zone		1,000' of a Buildi - Exception Zone within 500' of a B	- as described in Rule 604.a.(1),
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Enter distance if	less than or ed	qual to 1,500 feet:	300	Feet No	well belonging to	another opera	tor within 1,0	00 1001
Will a closed-loo	p drilling syste	m be used? Y	es					
s H2S gas reas	onably expecte	ed to be encounter	red during dril	ling operations at	concentrations gr	eater than		
or equal to 100 p		(If Yes, attach a	ın H2S Drilling	g Operations Plan)			
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		Oi) drilling fluids be		No				
		used? Yes						
		nular Preventor	X Double F	Ram 🔀 Rota	ating Head	None		
ROUNDWA	TER BASEL	INE SAMPLIN	G AND MO	NITORING AN	ID WATER WI	ELL SAMPL	ING	
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Check all that apply: Rule 318.c. Exception Location from Rule or Spacing Order Number Rule 603.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. walvers, certifications, SUAs). OPERATOR COMMENTS AND SUBMITTAL Comments Y16-28 MULTI, 6-well pad consists of: Hullabaloo State Y21-763 Ref, doc no. 401257533, Hullabaloo State Y21-756, doc no. 401257839, Rubicon State Y16-757, doc no. 401257872, Rubicon State Y16-757, doc no. 4012578787. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-294, API No. 05-123 -36279, PDC Energy, 300. The measurement of distance to nearest well calculated using COGIS data. Please see Page 6, Section 6 of the attached Surface Use Agreement for exception location waiver language to COGCC Rule 318A.a. to locate any well outside of the GWA window and COGCC Rule 318A.c. to locate any well greater than fifty (50) feet from an existing well. This application is in a Comprehensive Drilling Plan			
PRUIE 603.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. walvers, certifications, SUAs). OPERATOR COMMENTS AND SUBMITTAL. Comments Y16.28 MULT1, 6-well pad consists of: Hullabaloo State Y121-763 Ref, doc no. 401257633, Hullabaloo State Y16-775, doc no. 401257839, Rubicon State Y16-757, doc no. 40125783, Rubicon State Y16-757, doc no. 401257883, Rubicon State Y16-757, doc no. 401257887. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifiers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy slall isolate both the Fox Hills and Upper Pierre Aquifiers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy slab agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-234, API No. 05-123 - 48279, PDC Energy, 300°. The measurement of distance to nearest well caculated using COGCC Rule 318A.c. to locate any well uside of the GWA window and COGCC Rule 318A.c. to locate any well greater than fifty (50) feet from an existing well. This application is in a Comprehensive Drilling Plan CDP #: Location ID: Is this application being submitted with an Oil and Gas Location Assessment application? Yes I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblener Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. COGCC Approved: Director of COGCC Date: Expiration Date: Expiration Date: All representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to t	Rule	502.b. Variance Request	from COGCC Rule or Spacing Order Number
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Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblener Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. COGCC Approved: Director of COGCC Date: Expiration Date: API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.	I hereby o	certify all statements made	
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COA Type Description	consti enforc	tute representations, eable to the same ext	stinulations and conditions of approval for this form 2 Permit-to-Drill and are
	COA TVD	e	Description

BMP/COA T	vne r	Description
Planning	F V S S S S	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify pottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5.
<		Bradenhead Monitoring: Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2 Planning		When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3 General Ho	ousekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4 Storm Wat Control	er/Erosion	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around th perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5 Material H Prevention	andling and Spill า	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6 Drilling/Co Operations	empletion s	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

Att Doc Num	Name	
401257533	FORM 2 SUBMITTED	
401283256	OffsetWellEvaluations Data	
401283376	DEVIATED DRILLING PLAN	
401283377	WELL LOCATION PLAT	
401283379	PROPOSED SPACING UNIT	
401283385	SURFACE AGRMT/SURETY	
401291765	EXCEPTION LOC REQUEST	
401315803	DIRECTIONAL DATA	
401315808	SURFACE AGRMT/SURETY	

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

Public Comments		
No public comments were received on this application during the comment period		

FORM 2 Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401253917

(SUBMITTED)

APPLICAT	ION FOR PERMIT T	O:
ENGLISHED	□ Re-enter	Recom

	APPLICATION FOR PERMIT TO:		(/		
▼ Drill □ □	eepen Re-enter Recomplete and Op-	erate	Date Received:		
TYPE OF WELL OIL	GAS COALBED OTHER	Refiling -	06/07/2017		
ZONE TYPE SINGLE	ZONE X MULTIPLE ZONES COMMINGLE ZONES	Sidetrack 🦵			
Well Name: Hullabaloo S	tate Well Number: Y21-746				
Name of Operator: NOBL	0000	C Operator Nur	nber: 100322		
Address: 1625 BROADW					
City: DENVER	State: CO Zip: 80202				
O to the Name of Coope	Miller Phone: (303)228-4246 Fax: ()			
Contact Name: Susan mi	ller@nblenergy.com				
	The state of the s				
0.444.444.444.4444.4444.4444.4444.4444	ANCIAL ASSURANCE				
Plugging and Abandonme	nt Bond Surety ID: 20030009				
WELL LOCATION IN	FORMATION				
	Sec: 16 Twp: 2N Rng: 64W Meridian: 6				
Latitude: 40.14452	Longitude: -104.550580				
Markana and ambara	FNL/FSL FEL/FWL				
Footage at Surface:	445 Feet FNL 1005 Feet FEL				
Field Name: WATTENE					
Circuita Elevation	944 County: WELD	-			
GPS Data:	9/13/2016 PDOP Reading: 1.6 Instrument Operator's Name:	Andy Maggiore			
Date of Measurement: 0	371072010	, maj maja			
If well is Directional	☐ Horizontal (highly deviated) submit deviated drilling plan.		5.00		
Footage at Top of Prod Z		2395 FE			
90					
Sec:	16 Twp: 2N Rng: 64W Sec: 21 Twp:	_2N Rn	g		
LOCATION SURFA	CE & MINERALS & RIGHT TO CONSTRUCT				
Surface Ownership:	1 co N. State				
The Surface Owner is: (check all that apply)					
(Check all that apply)	is committed to an Oil and Gas Lease.				
	X has signed the Oil and Gas Lease.				
	is the applicant.				
The Mineral Owner bene	ath this Oil and Gas Location is: Fee 💢 State Federa	al Indian			
The Minerals beneath thi	s Oil and Gas Location will be developed by this Well: Yes				
The right to construct the	Oil and Gas Location is granted by: oil and gas lease				
Surface damage assurar	nce if no agreement is in place: Surface	Surety ID:			
11					

TO BE THE EXPLICATION OF				
Section 16, T2N-R64W: All.		3 3 3 3 4 3 5		e Federal Indian
Total Acres in Described Lease	e:640	Described Mineral Lea	ase is: Fee 💢 Stat	e Federal Indian
Federal or State Lease #	70/7879-S	_		2
Distance from Completed Porti	on of Wellbore to	Nearest Lease Line of de	scribed lease: 0	Feet
CULTURAL DISTANCE I	NFORMATIO	N	INSTRUCTIONS	
Distance to nearest:			the Proposed \	ents shall be provided from center of Well to nearest of each cultural
	P	Foot		cribed in Rule 303.a.(5). r distance greater than 1 mile.
Build	SOCIONO. NO MARCON	Feet	- Building - nea	rest building of any type. If nearest
Building	- Amarina	Feet -	Building is a Bu	uilding Unit, enter same distance for
High Occupancy Building		Feet	- Building Unit,	High Occupancy Building Unit, and
Designated Outside Activity A		Feet Feet	Designated Ou 100-Series Rul	itside Activity Area - as defined in
Public R	-	Feet S	100-3eries ital	cs.
Above Ground U		D Feet		
Property I	27.00	5 Feet		
30,0000M-9400A		5.1001		
DESIGNATED SETBAC	K LOCATION	1	1,000' of a Bui	- as described in Rule 604.a.(2), withir Ilding Unit
INFORMATION			- Exception Zo	ne - as described in Rule 604.a.(1),
Check all that apply. This loca	tion is within a:	Buffer Zone	within 500' of - Urban Mitiga	a Building Unit. ition Area - as defined in 100-Series
		Exception Zone	Rules.	
		Urban Mitigation Are		
Pre-application Notifications (r				
		rea Notification to Local G		
Date of Rule 305.a.(2) Bu	uffer Zone Notific	ation to Building Unit Own	ers:	
SPACING and UNIT INF	ORMATION		1	1/
Distance from completed port		wellbore to nearest comple	ted portion of offset wellbore	permitted or completed in the
	eet	Wollborg to Hodi out our pro		The state of the s
Distance from Completed Por		to Nearest Unit Boundary	905 Feet (Enter 5280) for distance greater than 1 mile.)
DEVENOVA WAS A PARCE MADE OF THE LAND		to Nearest Offic Boundary		lumber:
Federal or State Unit Name (i	- or A-mo succession reserves on	constituents		Mambor.
SPACING & FORMATION				
Spacing Unit Configuration	: E/2W/2, W/2E/	2 Section 16, E/2W/2, W/2	E/2 Section 21, NE/4NW/4, N	W/4NE/4 Section 28, Township 2
North, Range 64 West.				
OBJECTIVE FORMATION	ONS			1
OBJECTIVE FORWATI		Oi Ouder Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc
		Spacing Order Number(s)	OTHE ACTERGE ASSIGNED TO WELL	SILL SALINGE WHEN VIEW TO THE SALE
	ormation Code BRR	- Parameter and the second	720	GWA

	OGRAM							
		pth: 17204 Fe	et					
				roposed wellbore b	elonging to anoth	ner operator, ir	ncluding plugg	ed wells:
		equal to 1,500 feet			well belonging to	another opera	ator within 1,5	500 feet
		em be used? Y			E. 12			
				rilling operations at	concentrations of	reater than		
				rilling operations at ng Operations Plar		rodior triair		
or equal to 100				ng Operations r lai	,			
		ered during drilling?		— No				
		CI) drilling fluids b	e useu r					
		used? Yes		D- IZ Del	toting Hood	None		
		nnular Preventor			tating Head			
GROUNDWA	TER BASE	LINE SAMPLIN	G AND M	ONITORING AN	ND WATER W	ELL SAMPI	ING	
Water well sar	npling required	per Rule 318	A					
DRILLING W	ASTE MANA	AGEMENT PRO	OGRAM					
DESCRIPTION OF STREET				uids Disposal Metho	nds: Commercial	Disposal		
Drilling Fluids		OFFSITE	7			Same and the second second		
Cuttings Dispo	osal: OFFS	SITE	Cutt	tings Disposal Meti	nod: Commercial	Disposai		
Other Disposa	I Description:			1 1100				
Drilling waste	disposal inforn	nation added to ad	dress non-oi	il based mud and fl	uids used in non-	producing por	tion of wellbor	e.
Beneficial r	euse or land a	pplication plan sub	mitted? Y	'es	Sales .			
-	100							
Reuse Fa	cility ID:	or Do	cument Nun	nber: 2614238	196			
**************************************		or Do	ocument Nun	nber: 2614238			_	
CASING PRO		or Do		*			Ownt Divin	Cmt Top
CASING PRO	OGRAM Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CASING PRO	OGRAM Size of Hole	Size of Casing	Wt/Ft 42	Csg/Liner Top	80	6	Cmt Btm 80 1950	<u>Cmt Top</u> 0 0
CASING PRO Casing Type CONDUCTOR SURF	OGRAM Size of Hole 26 13+3/4	Size of Casing 16 9+5/8	Wt/Ft	Csg/Liner Top		And Committee of the Co	80	0
CASING PRO Casing Type CONDUCTOR SURF	26 13+3/4 8+1/2	Size of Casing 16 9+5/8 5+1/2	<u>Wt/Ft</u> 42 36	Csg/Liner Top 0 0	80 1950	6 691	80	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor	DGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT	Size of Casing 16 9+5/8 5+1/2 planned	<u>Wt/Ft</u> 42 36 20	Csg/Liner Top 0 0 0	80 1950	6 691	80	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE	DGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT	Size of Casing 16 9+5/8 5+1/2	<u>Wt/Ft</u> 42 36 20	Csg/Liner Top 0 0 0	80 1950	6 691	80	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	DGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBAC	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E	Wt/Ft 42 36 20 EXCEPTIO	Csg/Liner Top 0 0 0	80 1950	6 691	80	0
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CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.6 Rule 604.6 Rule 604.1 Rule 604.1	DGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBAC pply: a.(1)A. Exception a.(1)B. Exception after Location	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E on Zone (within 50 on Location (existing on Location (existing on approval)	Wt/Ft 42 36 20 EXCEPTIO 0' of Building or approvement of appr	Csg/Liner Top 0 0 0 0 NS G Unit) red Oil & Gas Loca	80 1950 17204 tion now within a	6 691 2253 Designated Sets	80 1950 etback as a re	0 0 sult of
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Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number OTHER LOCATION EXCEPTIONS	
OTHER LOCATION EXCEPTIONS	
heck all that apply:	
Rule 318.c. Exception Location from Rule or Spacing Order Number	
Rule 603.a.(2) Exception Location (Property Line Setback).	
ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for addition waivers, certifications, SUAs).	nal required attachments (e.g.
PERATOR COMMENTS AND SUBMITTAL	
Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-746 Ref, doc no. 401253917, Ino. 401255566, Hullabaloo State Y21-726, doc no. 401255603, Hullabaloo State Y21-716 State Y16-738, doc no. 401256315, Rubicon State Y16-731, doc no. 401256940, Rubicon 401256957, Rubicon State Y16-718, doc no. 401257012. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casin zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stoneb 36279, PDC Energy, 300'. Measurement of distance to nearest well calculated using CO Please see Page 5, Section 6., Consents and Waivers of the attached Surface Use Agree waiver language to COGCC Rule 318A.a. to locate any well outside of the GWA window locate any well greater than fifty (50) feet from an existing well.	n State Y16-725, doc no. In grom hydrocarbon bearing the Upper Pierre Aquifer to oil oraker 28U-234, API 05-123-10GIS data. Bement for exception location
This application is in a Comprehensive Drilling Plan CDP #:	
_ocation ID:	*22
Is this application being submitted with an Oil and Gas Location Assessment application?	'es
I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and co	omplete.
Print Name: Susan Miller	
Signed: Print Name: Susan Miller	
Signed.	egulatorynotification@nblener
Title: Regulatory Analyst Date: 6/7/2017 Email: Re	egulatorynotification@nblener
Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst Date: 6/7/2017 Date: 84 Date: 10 Da	egulatorynotification@nblener
Title: Regulatory Analyst Date: 6/7/2017 Email: Research on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rund is hereby approved.	egulatorynotification@nblener
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Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: Expiration Date: 6/7/2017 Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Director of COGCC Date: 6/7/2017 Email: Regulatory Analyst COGCC Approved: Date: 6/7/2017 Email: Regulatory	egulatorynotification@nblener
Title: Regulatory Analyst Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Ruled is hereby approved. COGCC Approved: Director of COGCC Date: Expiration Date: O Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A from constitute representations, stipulations and conditions of approval for this Form 2 enforceable to the same extent as all other representations, stipulations and conditions of approval and conditions and	egulatorynotification@nblener lles and applicable orders for this location shall Permit-to-Drill and are
Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst Director of COGCC Rule Expiration Date: Expiration Date: 6/7/2017 API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A from constitute representations, stipulations and conditions of approval for this Form 2 enforceable to the same extent as all other representations, stipulations and conditions of this Permit-to-Drill.	egulatorynotification@nblener lles and applicable orders for this location shall Permit-to-Drill and are
Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Analyst Director of COGCC Rule Expiration Date: Expiration Date: 6/7/2017 API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A from constitute representations, stipulations and conditions of approval for this Form 2 enforceable to the same extent as all other representations, stipulations and conditions of this Permit-to-Drill.	egulatorynotification@nblener lles and applicable orders for this location shall Permit-to-Drill and are
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o F	BMP/COA Type	Description
	Planning	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify pottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5.
	()	Bradenhead Monitoring: Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List Name Att Doc Num FORM 2 SUBMITTED 401253917 OffsetWellEvaluations Data 401281854 PROPOSED SPACING UNIT 401281856 SURFACE AGRMT/SURETY 401281863 DEVIATED DRILLING PLAN 401281871 WELL LOCATION PLAT 401281872 DIRECTIONAL DATA 401281879 **EXCEPTION LOC REQUEST** 401291984

Total Attach: 9 Files

401316076

SURFACE AGRMT/SURETY

General Comments

User Group	Comment	Comment Date
Soc. steap	\ \dots	Stamp Upon Approval

Total: 0 comment(s)

Date Run: 6/22/2017 Doc [#401253917] Well Name: Hullabaloo State Y21-746

Page 6 of 7

Public Comments			
No public comments were received on this application during the comment period.			
No public comments were received on this application during the comment period.			

FORM 2 Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401258482

******	Filone. (505) 654 21661		(Allaha)	TA V	(SUBMITTED)
	APPLICATION FOR	RPERMITIO			Market Section 1
▼ Drill	Deepen	Re-enter	Recomplete and O	oerate	Date Received:
TYPE OF WELL OIL D	GAS COALBE	D THER		Refiling T	06/07/2017
ZONE TYPE SINGLE	ZONE X MULTIPLE ZON	NES T COM	MINGLE ZONES	Sidetrack	
Well Name: Hullabaloo S	State		Well Number: Y21-769)	_
Name of Operator: NOB	LE ENERGY INC		COG	CC Operator Nun	nber: 100322
Address: 1625 BROADW	Contract of the contract of th	5	Top top to		
City: DENVER	State: CO	Zi -	p: 80202		
	Millor	Phone: (303)	228-4246 Fax: ()	
Contact Name: Susan	Miller niller@nblenergy.com	1110110: (000)	3		
		E /			
	ANCIAL ASSURANC	030009			
Plugging and Abandonme	ent Bond Surety ID. 200	70000	<u> </u>		
WELL LOCATION II	NFORMATION	7.4	P. Barrell		
QtrQtr: NWNW	Sec: 16 Twp: 2N	Rng: 64W	Meridian: 6		
Latitude: 40.14456		Longitude:			
Et		IL/FSL FNL 955	FEL/FWL		
Footage at Surface: Field Name: WATTEN		Field Number:	90750		
In Management Street	4893	County: W	ELD	17 1	×
GPS Data:	the thought out to be the second of the seco			A	
Date of Measurement: _	09/13/2016 PDOP Readir	· —	ument Operator's Name:	Andy Maggiore	
If well is T Directional	Morizontal (high		mit deviated drilling plan.	1200 M2	2007
Footage at Top of Prod 2			ttom Hole: FNL/FSL	1395 FW	
	50 FNL 1395	FWL Rng: 64W	Sec: 21 Twp		
Sec:	16Twp:2N	Rng: 64W	3ec. 21 1wp		g,
LOCATION SURFA	CE & MINERALS & R	IGHT TO CON	STRUCT		
Surface Ownership:	Fee 🔀 State	Federal In	dian		
The Surface Owner is:	is the mineral owner		on.		
(check all that apply)	is committed to an Oi				
A1144 450	★ has signed the Oil an				
	is the applicant.				
II.	The Control of the State of the		E Clate E Fodo	ral 📙 Indian	
The Mineral Owner here	aath this Cill and Gas Locat	ion is: T Fee	🔀 State 📗 Fede		
The Mineral Owner beneath the			Music amounts of Associated		
The Minerals beneath th	nis Oil and Gas Location wil	ll be developed by	this Well: Yes		
The Minerals beneath the		ll be developed by ranted by: oil an	this Well: Yes d gas lease	Surety ID:	

Section 16, T2N-R64W: All. Total Acres in Described Lease:	540 Described Mineral Lea	se is: Fee 👿 State	☐ Federal ☐ Indian
Federal or State Lease # 70/78		55.477 W.	
Distance from Completed Portion of W		scribed lease: 0 F	eet
CULTURAL DISTANCE INFOR	MATION	INSTRUCTIONS: - All measuremen	ts shall be provided from center of
Distance to nearest:			II to nearest of each cultural ged in Rule 303.a.(5).
Building:	3322 Feet	- Enter 5280 for d	istance greater than 1 mile.
Building Unit:	3369 Feet	- Building - neare	st building of any type. If nearest ling Unit, enter same distance for
High Occupancy Building Unit:	5280 Feet	both.	501 BANG C C C C C C C C C C C C C C C C C C C
Designated Outside Activity Area:	5280 Feet		gh Occupancy Building Unit, and de Activity Area - as defined in
Public Road:	4348 Feet	100-Series Rules.	
Above Ground Utility:	3341 Feet		
Railroad:	5280 Feet		
Property Line:	445 Feet		
DESIGNATED SETBACK LOC INFORMATION Check all that apply. This location is w	rithin a: Buffer Zone Exception Zone Urban Mitigation Area	within 500' of a I - Urban Mitigatio Rules.	- as described in Rule 604.a.(1),
Date of Rule 305.a.(1) Urban Mit Date of Rule 305.a.(2) Buffer Zor SPACING and UNIT INFORMA Distance from completed portion of pr same formation: 300 Feet	igation Area Notification to Local Go ne Notification to Building Unit Owner ATION oposed wellbore to nearest complete	overnment:ers:etable portion of offset wellbore pe	rmitted or completed in the or distance greater than 1 mile.)
Date of Rule 305.a.(1) Urban Mit Date of Rule 305.a.(2) Buffer Zor SPACING and UNIT INFORMA Distance from completed portion of pr same formation: 300 Feet	igation Area Notification to Local Go ne Notification to Building Unit Owner ATION oposed wellbore to nearest complete	overnment:ers:etable portion of offset wellbore pe	or distance greater than 1 mile.)
Date of Rule 305.a.(1) Urban Mit Date of Rule 305.a.(2) Buffer Zor SPACING and UNIT INFORMA Distance from completed portion of pr same formation:300Feet Distance from Completed Portion of V Federal or State Unit Name (if appl):	igation Area Notification to Local Go ne Notification to Building Unit Owner ATION roposed wellbore to nearest complete Vellbore to Nearest Unit Boundary	ted portion of offset wellbore pe	or distance greater than 1 mile.)
Date of Rule 305.a.(2) Buffer Zor SPACING and UNIT INFORMA Distance from completed portion of presame formation:300Feet Distance from Completed Portion of V Federal or State Unit Name (if appl): SPACING & FORMATIONS CO	igation Area Notification to Local Go ne Notification to Building Unit Owner ATION roposed wellbore to nearest complete Vellbore to Nearest Unit Boundary	ted portion of offset wellbore pe 550 Feet (Enter 5280 fo	or distance greater than 1 mile.) nber:
Date of Rule 305.a.(1) Urban Mit Date of Rule 305.a.(2) Buffer Zor SPACING and UNIT INFORMA Distance from completed portion of pr same formation:300Feet Distance from Completed Portion of V Federal or State Unit Name (if appl): SPACING & FORMATIONS CO	igation Area Notification to Local Government Notification to Building Unit Owner ATION COPPOSED WELLOW TO NEAR THE STATE OF THE STATE	ted portion of offset wellbore pe 550 Feet (Enter 5280 fo	or distance greater than 1 mile.) nber:
Date of Rule 305.a.(1) Urban Mit Date of Rule 305.a.(2) Buffer Zor SPACING and UNIT INFORMA Distance from completed portion of pr same formation:300Feet Distance from Completed Portion of V Federal or State Unit Name (if appl): SPACING & FORMATIONS CO	igation Area Notification to Local Government Notification to Building Unit Owner ATION oposed wellbore to nearest completive Vellbore to Nearest Unit Boundary OMMENTS ection 16, W/2 Section 21, N/2NW/4	ted portion of offset wellbore pe 550 Feet (Enter 5280 fo	or distance greater than 1 mile.) nber:

DRILLING PE	ROGRAM							
		pth:17344 Fe						
Distance from	the proposed v	vellbore to nearest	existing or p	roposed wellbore b	pelonging to anot	her operator, i	ncluding plugg	ged wells:
Enter distance	if less than or	equal to 1,500 feet	300	Feet No	well belonging to	o another oper	ator within 1,	500 feet
Will a closed-le	oop drilling syst	tem be used?Y	'es_					
Is H2S gas rea	sonably expec	ted to be encounte	red during d	rilling operations at	t concentrations (greater than		
or equal to 10	ppm? No	(If Yes, attach a	an H2S Drilli	ng Operations Plar	٦)			
Will salt section	ns be encounte	ered during drilling	? No					
Will salt based	l (>15,000 ppm	CI) drilling fluids b	e used?	No				
Will oil based	drilling fluids be	used? Yes	_					
BOP Equipme	nt Type: 🔯 A	nnular Preventor	▼ Double	Ram 🔀 Rot	tating Head	☐ None)	
GROUNDWA	TER BASE	LINE SAMPLIN	G AND M	ONITORING AN	ND WATER W	ELL SAMP	LING	
Water well sa	mpling required	d per Rule 318	A					
		AGEMENT PRO						
1000 Depte March Court				uids Disposal Metho	ods: Commercia	Disposal		
Drilling Fluids		OFFSITE						
Cuttings Disp		SITE	Cut	tings Disposal Meth	nod: Commercia	Disposai		
,	al Description:			The state of the s	er internet i i i i i i i i i i i i i i i i i i i			
Drilling waste	disposal inforr	nation added to ad	dress non-o	il based mud and fl	uids used in non	-producing por	tion of wellbor	e.
Beneficial	euse or land a	pplication plan sub	mitted? Y	'es	A Comment			
Reuse Fa	cility ID:	or Do	cument Nun	nber: 2614238				
West Participated - ROVE			-		TO CA			
CASING PR	OGRAM						S. 352.57	327 - 07224
Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	26	16	42	0	1950	691	1950	0
SURF	13+3/4 8+1/2	9+5/8 5+1/2	36 20	0	17344	2267	1000	
1ST Conductor	Casing is NOT	0.90, 0.00,000				1.7		
		K LOCATION E	YCEPTIC	INS		100		
		RECEATIONE	XOLI IIO	110				
Check all that a			ol -f D. Ildia	and I hadden				
Rule 604.	a.(1)A. Excepti	on Zone (within 50	o. ot Ballaluí	g Onit) ed Oil & Gas Locat	tion now within a	Designated S	etback as a re	sult of
		on Location (existii	ig or approv	ed Oil & das Local	don now widin a	Dooig. lates		
Rule 604.		on Logotion (existing	ng or approv	red Oil & Gas Locat	tion is within a De	esignated Seth	ack due to Bu	uilding Unit
constructi	on after Location	on approval)						
				development plan				
Rule 604.		Location (Building	Units const	ructed after Augus	t 1, 2013 within s	etback per an	SUA or site-s	pecific
GREATER \	WATTENBE	RG AREA LOC	ATION EX	CEPTIONS				
Check all that a			,,,,,,,,,	CEPTIONS				
Rule 318	apply:		/ (CEPTIONS				
		Location (GWA Wi		CEPTIONS				
Rule 318.	A.a. Exception		ndows).	CEPTIONS				
RULE 502.b	A.a. Exception A.c. Exception	Location (GWA Wi Location (GWA Tw	ndows).	CEPTIONS				

Heck all that apply: Rule 318.c. Exception Location from Rule or Spacing Order Number Rule 803.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. walvers, certifications, SUAs). DEFRATOR COMMENTS AND SUBMITTAL Tomments Y16-29 Pad, 7 well pad consists of: Hullabaloo State Y21-787 Ref, doc no. 401258035, Hullabaloo State Y21-781, doc no. 401258035, Hullabaloo State Y21-781, doc no. 401258035, Hullabaloo State Y21-781, doc no. 401258041, Hullabaloo State Y21-783, doc no. 401258048, Rubicon State Y12-783, doc no. 401258048, Rubicon State Y12-783, doc no. 401258048, Rubicon State Y12-784, doc no. 401258048, Rubicon State Y16-776, doc no. 4012580418, Rubicon State Y	Rule	502.b. Variance Reques	
PERATOR COMMENTS AND SUBMITTAL Comments Y16-29 Pad, 7 well pad consists of: Huliabaleo State Y21-787 Ref, doc no. 401258035, Huliabaloo State Y21-781, doc no. 4012580415, Huliabaloo State Y16-770, doc no. 401258512, Rubicon State Y16-770, doc no. 401258541, Nobic Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-234, API No. 05-1-38279, PDC Energy, 300°. Measurement of distance to nearest well calculated using COGIS data. Please see Page 5, Section 6 of the attached Surface Use Agreement for exception location waiver language to COGIC Rule 318A.a. to locate any well outside of the GWA window and COGIC Rule 318A.c. to locate any well greater than fifty (50°) feet from an existing well. This application being submitted with an Oil and Gas Location Assessment application? Yes I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6772017 Email: Regulatory notification@nblene Based on the information provided herein, this Application for Permit-to-Drill complies with COGIC Rules and applicable orders and is hereby approved. COGIC Approved: Director of COGIC Date: Expiration Date: Expiration Date: All representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approv			t from COGCC Rule or Spacing Order Number
Rule 318.c. Exception Location from Rule or Spacing Order Number Rule 603.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. wavevers, certifications, SUAs). PERATOR COMMENTS AND SUBMITTAL omments No. 40128969, Hulliabaloo State Y21-778, doc no. 401258035, Hulliabaloo State Y21-781, doc no. 401258035, Hulliabaloo State Y21-781, doc no. 401258035, Hulliabaloo State Y21-781, doc no. 4012580415, Hulliabaloo State Y21-781, doc no. 4012580415, Hulliabaloo State Y21-787, doc no. 401258048, Rubicon State Y121-787, doc no. 401258145, Hulliabaloo State Y21-789, doc no. 401258488, Rubicon State Y16-778, doc no. 4012585145, Hulliabaloo State Y21-789, doc no. 401258488, Rubicon State Y16-778, doc no. 4012585145, Hulliabaloo State Y21-789, doc no. 401258488, Rubicon State Y16-778, doc no. 4012585145, Hulliabaloo State Y21-789, doc no. 401258488, Rubicon State Y16-778, doc no. 4012585145, Hulliabaloo State Y21-781, doc no. 401258035, Hulliabalo	THER LO	OCATION EXCEPT	IONS
Rule 918.c. Exception Location from Rule or Spacing Order Number Rule 903.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, \$UAs). PERATOR COMMENTS AND SUBMITTAL Domments Y16-29 Pad, 7 well pad consists of: Hullabaloo State Y21-787 Ref, doc no. 401258055, Hullabaloo State Y21-778, doc no. 401258451, Hullabaloo State Y21-769, doc no. 401258482, Rubloo State Y16-776, doc no. 401258512, Flubion State Y16-776, doc no. 401258512, Flubion State Y16-776, doc no. 401258413, Hullabaloo State Y21-788, doc no. 401258482, Rubloo State Y16-776, doc no. 401258512, Flubion State Y16-776, doc no. 401258614, Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-234, API No. 05-1-36279, PDC Energy, 300°. Measurement of distance to nearest well calculated using Codic data. Please see Page 5, Section 6 of the attached Surface Use Agreement for exception location waiver language to COGCC Rule 318A.a. to locate any well outside of the GWA window and COGCC Rule 318A.c. to locate any well agreeter than fifty (50) feet from an existing well. This application being submitted with an Oil and Gas Location Assessment application? Yes I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6772017 Email: Regulatorynotification@nblene Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. Conditions Of Approval All representations, stipulations and conditions of approval sta	heck all tha	at apply:	
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PERATOR COMMENTS AND SUBMITTAL Domments Y16-29 Pad, 7 well pad consists of: Hullabaloo State Y21-787 Ref, doc no. 401258035, Hullabaloo State Y21-781, doc no. 401258059, Hullabaloo State Y21-775, doc no. 401258415, Hullabaloo State Y21-776, doc no. 401258482, Rubloos State Y16-789, doc no. 401258482, Rubloos State Y16-780, doc no. 401258482, Rubloos State Y16-780, doc no. 401258451, Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall isolate on the expose the Upper Pierre Aquifers to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-294, API No. 05-1-38279, PDC Energy, 300'. Measurement of distance to nearest well calculated using COGIS data. Please see Page 5, Section 6 of the attached Surface Use Agreement for exception location waiver language to COGICC Rule 318A.c. to locate any well uside of the GWA window and COGIC Rule 318A.c. to locate any well greater than fifty (50) feet from an existing well. This application is in a Comprehensive Drilling Plan CDP #: Location ID: Is this application being submitted with an Oil and Gas Location Assessment application? Yes It hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Title: Regulatory Analyst Date: G77/2017 Email: Regulatorynotification@noblene. Expiration Date: API NUMBER Of Conditions Of Approval API	☐ Rule f	603.a.(2) Exception Loca	ation (Property Line Setback).
Noments Y16-29 Pad, 7 well pad consists of: Hullabaloo State Y21-787 Ref, doc no. 401258058, Hullabaloo State Y21-781, doc no. 401258059, Hullabaloo State Y21-775, doc no. 401258415, Hullabaloo State Y21-769, doc no. 40125842, Rubfes Y16-783, doc no. 40125848, Rubfes Y16-783, doc no. 401258541, Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-234, API No. 05-1	ALL excep waivers, c	otions and variances req ertifications, SUAs).	uire attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
no. 401258059, Hullabaloo State Y21-775, doc no. 40125817, Hullabaloo State Y16-776, doc no. 401258512, Rubloon State Y16-776, doc no. 401258512, Rubloon State Y16-770, doc no. 401258541. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-234, API No. 05-1 -36279, PDC Energy, 300°. Measurement of distance to nearest well calculated using COGIS data. Please see Page 5, Section 6 of the attached Surface Use Agreement for exception location waiver language to COGCC Rule 318A.c. to locate any well outside of the GWA window and COGCC Rule 318A.c. to locate any well greater than fifty (50) feet from an existing well. This application is in a Comprehensive Drilling Plan CDP #: Location ID: Is this application being submitted with an Oil and Gas Location Assessment application? Yes I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblene assed on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. CONCC Approved: Director of COGCC Date: Expiration Date: API NUMBER OS Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	PERATO	OR COMMENTS AN	ND SUBMITTAL
Lest his application being submitted with an Oil and Gas Location Assessment application? Is this application being submitted with an Oil and Gas Location Assessment application? I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblene Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. Director of COGCC Date: Expiration Date: Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Permit-to-Drill.	omments	no. 401258059, Hullat State Y16-783, doc no 401258541. Noble Energy shall iso zones and exposure to based mud. Nearest well in same -36279, PDC Energy, Please see Page 5, S COGCC Rule 318A.a	baloo State Y21-775, doc no. 401258415, Hullabaloo State Y21-769, doc no. 401258402, Hullabaloo State Y21-769, doc no. 401258498, Rubicon State Y16-776, doc no. 401258512, Rubicon State Y16-770, doc no. collaborate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil formation and Nearest well belonging to another Operator = Stonebraker 28U-234, API No. 05-123 (300). Measurement of distance to nearest well calculated using COGIS data. Section 6 of the attached Surface Use Agreement for exception location waiver language to to locate any well outside of the GWA window and COGCC Rule 318A.c. to locate any well
coation ID: s this application being submitted with an Oil and Gas Location Assessment application? Yes hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 677/2017 Email: Regulatorynotification@nblene ased on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. OGCC Approved: Director of COGCC Date: Expiration Date: API NUMBER Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Permit-to-Drill.	C+	-tion is in a Comprehen	cive Drilling Plan CDP #:
Is this application being submitted with an Oil and Gas Location Assessment application? I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Title: Regulatory Analyst Date: 677/2017 Email: Regulatorynotification@nblene ased on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. Director of COGCC Date: Expiration Date: Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill.			sive Drilling Flatt
API NUMBER Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill.			
Signed: Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblene assed on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. Director of COGCC Date: Expiration Date: Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill.	Is this app	lication being submitted	with an Oil and Gas Location Assessment application?
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Director of COGCC Date: API NUMBER Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.			
Director of COGCC Date: API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	Title:	Regulatory Analyst	Date: 6/7/2017 Email: Regulatorynotification@nblener
API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	ased on th	ne information provided	
Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	ased on th	ne information provided	
Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	ased on th nd is herel	ne information provided by approved.	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	ased on th nd is herel	ne information provided by approved. oproved:	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	ased on the disherel	ne information provided by approved. oproved:	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
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constitute representations, stipulations and conditions of approval for this Form 2 Fermit-to-Dim and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated this Permit-to-Drill.	Based on the nd is herelected App	ne information provided by approved. oproved:	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date:
COA Type Description	Based on the notice of the control o	ne information provided by approved. oproved: API NUMBER	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date: Expiration Date: Conditions Of Approval
	ased on the notice of the constitution of the	ne information provided by approved. API NUMBER resentations, stipula ute representations, eable to the same ex	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date: Expiration Date: Conditions Of Approval ations and conditions of approval stated in the Form 2A for this location shall actions and conditions of approval for this Form 2 Permit-to-Drill and are
	All representations of this Period	ne information provided by approved. API NUMBER resentations, stipula ute representations, eable to the same ex rmit-to-Drill.	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date: Expiration Date: Conditions Of Approval ations and conditions of approval stated in the Form 2A for this location shall, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are atent as all other representations, stipulations and conditions of approval stated in
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	All representations of this Period	ne information provided by approved. API NUMBER resentations, stipula ute representations, eable to the same ex rmit-to-Drill.	herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders Director of COGCC Date: Expiration Date: Conditions Of Approval ations and conditions of approval stated in the Form 2A for this location shall, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are atent as all other representations, stipulations and conditions of approval stated in
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		Best Management Practices
No	The state of the s	<u>Description</u>
1		When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
2	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
3	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
4	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
5	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Total: 5 comment(s)

Attachment Check List

Att Doc Num	<u>Name</u>
401258482	FORM 2 SUBMITTED
401285877	OffsetWellEvaluations Data
401285883	DEVIATED DRILLING PLAN
401285888	WELL LOCATION PLAT
401285889	EXCEPTION LOC REQUEST
401285894	DIRECTIONAL DATA
401285896	PROPOSED SPACING UNIT
401285899	SURFACE AGRMT/SURETY
401316069	SURFACE AGRMT/SURETY

Total Attach: 9 Files

User Group Comment	Comment Date Stamp Upon Approval
	Stamp Upon
	Approval
Total: 0 comment(s)	
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Public	Comments
No public comments were received on	this application during the comment period.
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FORM 2 Rev

08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

APPLICATION FOR PERMIT TO:



Fax: (

Document Number:

401258415

(SUBMITTED)

▼ Drill	Deepen	☐ Re-ente	er Recomple	ete and Op	perate	THE SECTION AS THE SECTION ASSESSMENT OF THE
TYPE OF WELL	OIL 😿 GAS	COALBED	OTHER		Refiling	Date Received: 06/07/2017
ZONE TYPE	SINGLE ZONE 🔀	MULTIPLE ZONES	COMMINGLE ZONES	Γ	Sidetrack	00/01/2017
Well Name: Hul	labaloo State		Well Number:	Y21-775		
Name of Operate	or: NOBLE ENERG	BY INC		COGC	C Operator Num	 nber: 100322
Address: 1625 E	BROADWAY STE 2	200		1		-
City: DENVE	3	State: CO	Zip: 80202			
Contact Name:	Susan Miller	Pho	one: (303)228-4246	Fax: ()	

	Email:	susan.miller@nblenergy.com	
REC	LAMATI	ON FINANCIAL ASSURANCE	

20030009

Plugging and Abandonment Bond Surety ID:

QtrQtr: NWNW Sec:	16 T	wp: _2N		and the same of th	dian: 6	_		
Latitude: 40.144560			Longitude	e: -104.5627	PATRICIA DE LO			
Footage at Surface:	445	Feet	FNL	917 Fee	FEL/FWL FWL			
Field Name: WATTENBERG			Field Numb	per: 9	0750			
Ground Elevation: 4894			Count	y: WELD	.07			
GPS Data:				30		-10.39		
GPS Data: Date of Measurement: 09/13/2	2016 PD	OP Readi	ng: _1.41	nstrument Ope	erator's Name:	Andy M	aggiore	
			ng: <u>1.4</u> I		erator's Name:	The state of the s	aggiore	
Date of Measurement: 09/13/2					ed drilling plan.	The state of the s	aggiore FEL/FWL	
Date of Measurement: 09/13/2	▼ Horiz		nly deviated)	submit deviate	ed drilling plan.	The state of the s		

Surface Ownership:	Fee X State Federal Indian
The Surface Owner is:	is the mineral owner beneath the location.
(check all that apply)	⊠ is committed to an Oil and Gas Lease.
	▼ has signed the Oil and Gas Lease.
	is the applicant.
The Mineral Owner bene	eath this Oil and Gas Location is: Tee 💢 State Tederal Tindian
The Minerals beneath th	is Oil and Gas Location will be developed by this Well: Yes
The right to construct the	Oil and Gas Location is granted by: oil and gas lease
Surface damage assurar	nce if no agreement is in place: Surface Surety ID:

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

DRILLING P	ROGRAM							
		epth: 17216 F	eet					
				proposed wellbore	belonging to and	other operator.	including pluc	aed wells:
1 - 5000 V 100 000		equal to 1,500 fee			o well belonging		7.5	
			Yes	4 54		to another ope	ato, mumi	,000 1001
Is H2S gas re	asonably expe	cted to be encount	ered during	drilling operations a	at concentrations	greater than		
or equal to 10	00 ppm? No	(If Yes, attach	an H2S Dril	ling Operations Pla	ın)			
Will salt section	ons be encount	tered during drilling	1? No					
Will salt base	d (>15,000 ppn	n CI) drilling fluids l	be used?	No				
Will oil based	drilling fluids b	e used? Yes						
BOP Equipme	ent Type: 🔀 A	Annular Preventor	▼ Double	e Ram 💢 Ro	otating Head	☐ None	Э	
GROUNDW	ATER BASE	LINE SAMPLIN	IG AND M	IONITORING A	ND WATER V	VELL SAMP	LING	
Water well sa	ampling require	d per Rule 318	ЗА					
DRILLING W	ASTE MAN	AGEMENT PR	OGRAM					
Drilling Fluids	Disposal:	OFFSITE	Drilling Fl	uids Disposal Meth	ods: Commercia	l Disposal		
Cuttings Disp	osal: OFFS	SITE	Cut	ttings Disposal Met	hod: Commercia	l Disposal		
Other Dispos	al Description:		1	e de la com encia de la companya del companya de la companya del companya de la	-			
		nation added to ac	ldress non-o	il based mud and f	luids used in non	-producina por	tion of wellbo	ъ.
		pplication plan sub		/es				
	odoo or land a	ppilodion plan odd		100				
Reuse Fa	acility ID:	or Do	cument Nur	nber: 2614238				
Reuse Fa	acility ID:	or Do	ocument Nur	mber: 2614238	100			
Reuse Fa		or Do	ocument Nur	mber: 2614238	1			
CASING PRO	OGRAM Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CASING PROCESSING Type CONDUCTOR	OGRAM Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	80	6	80	0
CASING PRO	OGRAM Size of Hole	Size of Casing 16 9+5/8	<u>Wt/Ft</u> 42 36	Csg/Liner Top 0 0	80 1950	6 691		
CASING PROCESSING Type CONDUCTOR SURF	OGRAM <u>Size of Hole</u> 26 13+3/4	Size of Casing 16 9+5/8 5+1/2	Wt/Ft	Csg/Liner Top	80	6	80	0
CASING PROCESSING Type CONDUCTOR SURF 1ST Conductor	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT	Size of Casing 16 9+5/8 5+1/2 planned	Wt/Ft 42 36 20	Csg/Liner Top 0 0 0	80 1950	6 691	80	0
CASING PROCESSING Type CONDUCTOR SURF 1ST Conductor DESIGNATE	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT	Size of Casing 16 9+5/8 5+1/2	Wt/Ft 42 36 20	Csg/Liner Top 0 0 0	80 1950	6 691	80	0
CASING PROCESSING Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBACI pply:	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E	Wt/Ft 42 36 20 XCEPTIO	Csg/Liner Top 0 0 0 NS	80 1950	6 691	80	0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBACI pply: a.(1)A. Exception	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E	Wt/Ft 42 36 20 XCEPTIO	Csg/Liner Top 0 0 0 0 NS	80 1950 17216	6 691 2245	80 1950	0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBACI pply: a.(1)A. Exception	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E	Wt/Ft 42 36 20 XCEPTIO	Csg/Liner Top 0 0 0 NS	80 1950 17216	6 691 2245	80 1950	0 0
CASING PRO Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.8 Rule 604.8 Rule 604.8	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBACI pply: a.(1)A. Exception (1)A. Exception (1)A. Exception (1)A. Exception	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E on Zone (within 500 on Location (existing the control of th	Wt/Ft 42 36 20 XCEPTIO O' of Building	Csg/Liner Top 0 0 0 0 NS	80 1950 17216	6 691 2245 Designated Se	80 1950	0 0
CASING PROCESSING Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.8 Rule 604.8 Rule 604.8 Rule 604.8 Construction	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBACI pply: a.(1)A. Exception a.(1)B. Exception after Location	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E on Zone (within 500 on Location (existing approval)	Wt/Ft 42 36 20 XCEPTIO O' of Building or approve ag or approve	Csg/Liner Top 0 0 0 0 NS Unit) ed Oil & Gas Locat	1950 17216 ion now within a ion is within a De	6 691 2245 Designated Se	80 1950 atback as a res	0 0
CASING PROCESSING Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.8 Rule 604.8 Rule 604.8 Rule 604.8 Rule 604.8	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBACI pply: a.(1)A. Exception a.(1)B. Exception after Location a.(2) Exception a.(3) Exception	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E on Zone (within 500 on Location (existing approval) Location (SUA or see the se	Wt/Ft 42 36 20 EXCEPTIO O' of Building or approve ag	Csg/Liner Top 0 0 0 NS Unit) ed Oil & Gas Located	1950 17216 ion now within a ion is within a De	6 691 2245 Designated Seterated Set	80 1950 etback as a res ack due to Bu	0 0 sult of
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CASING PROCESSING Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.8 Rule 604.8 Rule 604.8 Rule 604.8 Construction Rule 604.8 Con	OGRAM Size of Hole 26 13+3/4 8+1/2 Casing is NOT D SETBACI pply: a.(1)A. Exception a.(1)B. Exception after Location after Location a.(2) Exception a.(3) Exception and Exception b.(3) Exception and Exception b.(4) Exception b.(5) Exception b.(6) Exception c.(7) Exception b.(8) Exception c.(9) Exception b.(1) Exception c.(1) Exception b.(1) Exception c.(2) Exception c.(3) Exception c.(4) Exception c.(5) Exception c.(6) Exception c.(7) Exception c.(8) Exception c.(9) Exception c.(1) Exception c.(1) Exception c.(1) Exception c.(2) Exception c.(3) Exception c.(4) Exception c.(5) Exception c.(6) Exception c.(7) Exception c.(8) Exception c.(9) Exception c.(1) Exception c.(1) Exception c.(1) Exception c.(2) Exception c.(3) Exception c.(4) Exception c.(5) Exception c.(6) Exception c.(7) Exception c.(8) Exception c.(9) Exception c.(1) Exception c.(1) Exception c.(1) Exception c.(2) Exception c.(3) Exception c.(4) Exception c.(5) Exception c.(6) Exception c.(7) Exception c.(8) Exception c.(9) Exception c.(1) Exception c.(1) Exception c.(1) Exception c.(2) Exception c.(3) Exception c.(4) Exception c.(5) Exception c.(6) Exception c.(7) Exception c.(8) Exception c.(8) Exception c.(9) Exception c.(1) Exception c.(1) Exception c.(1) Exception c.(2) Exception c.(3) Exception c.(4) Exception c.(5) Exception c.(6) Exception c.(7) Exception c.(8) Ex	Size of Casing 16 9+5/8 5+1/2 planned K LOCATION E on Zone (within 500 on Location (existing approval) Location (SUA or a Location (Building)	Wt/Ft 42 36 20 EXCEPTIO O' of Building ag or approve ag or approve to the state of the stat	Csg/Liner Top 0 0 0 NS g Unit) ed Oil & Gas Locat development plan ructed after August	1950 17216 ion now within a ion is within a De	6 691 2245 Designated Seterated Set	80 1950 etback as a res ack due to Bu	0 0 sult of
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Rule	502.b. Variance Request	from COGCC Rule	or Spacing C	Order Number		_	
THER L	OCATION EXCEPTION	ONS					
heck all th	at apply:						
T Rule	318.c. Exception Location	from Rule or Spaci	ing Order Nu	mber			
☐ Rule	603.a.(2) Exception Locat	ion (Property Line S	Setback).				
	ptions and variances requ certifications, SUAs).	re attached Reques	st Letter(s). F	Refer to applicab	ole rule for a	lditional required	attachments (e.g.
PERAT	OR COMMENTS AND	SUBMITTAL					
omments	Y16-29 Pad; 7 well pad no. 401258059, Hullaba State Y16-783, doc no. 401258541. Noble Energy shall isola zones and exposure to based mud. Nearest well in same fo nearest well from the at Nearest well belonging Measurement for the stance of the same page of th	loo State Y21-775, 401258498, Rubico ate both the Fox Hill bil based drilling flui mation = State Y16 ached Anticollision to another Operator te to nearest well ca	doc no. 4012 on State Y16- is and Upper id. Noble End 6-05D, API No Report. - Stonebrak alculated usin	258415, Hullabal 776, doc no. 40° Pierre Aquifers vergy also agrees o. 05-123-21170 er 28U-234, API g COGIS data.	oo State Y2 1258512, Ru with surface s to not expo , Noble, 274 I No. 05-123	1-769, doc no. 40 bicon State Y16- casing from hydr se the Upper Pie '. Measurement	21258482, Rubicon 2770, doc no. occarbon bearing rre Aquifer to oil of distance to ergy, 300'.
	COGCC Rule 318A.a. to greater than fifty (50) fe	o locate any well ou	itside of the C	GWA window and	d COGCC R	ule 318A.c. to loo	cate any well
nis applic	COGCC Rule 318A.a. to greater than fifty (50) fe	o locate any well ou et from an existing	itside of the C	GWA window and	COGCC R	ule 318A.c. to loc	cate any well
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s this application ID s this application hereby continues Title: used on the	COGCC Rule 318A.a. to greater than fifty (50) fer ation is in a Comprehensional composition being submitted we ertify all statements made. Regulatory Analyst re information provided he by approved.	o locate any well ou et from an existing ve or Drilling Plan ith an Oil and Gas I in this form are, to t	Location Assetthe best of my	CDP #:essment applicate y knowledge, true Print Name: S 6/7/2017	tion? e, correct, an usan Miller Email: with COGCO	Yes And complete. Regulatorynotics: Rules and appli	fication@nblener
s this apply hereby consideration ID solutions in the solution ID solution in the solution ID solution	COGCC Rule 318A.a. to greater than fifty (50) fer ation is in a Comprehension: Discrete and a Comprehension of the comprehension of th	o locate any well ou et from an existing ve or Drilling Plan ith an Oil and Gas I in this form are, to t	Location Assetthe best of my	CDP #:essment applicate y knowledge, true Print Name: S 6/7/2017	tion? e, correct, ausan Miller Email:	Yes nd complete. Regulatorynoti Rules and appli	fication@nblener
ocation ID Is this appliance I hereby constitute OGCC Appliance All representative	COGCC Rule 318A.a. to greater than fifty (50) fer ation is in a Comprehensional composition of the second of the s	colocate any well out of from an existing well out of from an existing well out of the Drilling Plan	Location Assetthe best of my Date: Date: Directions of approximations of approxima	CDP #:	tion? e, correct, and usan Miller Email: with COGCO Date: ration Date:	Yes A for this local 2 Permit-to-D	fication@nblener cable orders

		Best Management Practices
No	BMP/COA Type	<u>Description</u>
1	Planning	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5.
		Bradenhead Monitoring: Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List Att Doc Num Name FORM 2 SUBMITTED 401258415 401285833 OffsetWellEvaluations Data DEVIATED DRILLING PLAN 401285835 401285836 WELL LOCATION PLAT 401285838 DIRECTIONAL DATA **EXCEPTION LOC REQUEST** 401285841 401285842 PROPOSED SPACING UNIT 401285848 SURFACE AGRMT/SURETY SURFACE AGRMT/SURETY 401315978

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
	4070	Stamp Upon Approval

Total: 0 comment(s)

No public comments were received on this application during the comment period.	Public Comments	
	No public comments were received on this application during the comment period.	

Date Run: 6/22/2017 Doc [#401258415] Well Name: Hullabaloo State Y21-775

Page 7 of 7

FORM 2

Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

APPLICATION FOR PERMIT TO:



Document Number:

401258059

(SUBMITTED)

▼ Drill Deepen Re-enter Recomplete and Operate Date Received: Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER Refiling 66/07/2017
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES Sidetrack
Well Name: Hullabaloo State Well Number: Y21-781
Name of Operator: NOBLE ENERGY INC COGCC Operator Number: 100322
Address: 1625 BROADWAY STE 2200
City: DENVER State: CO Zip: 80202
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()
Contact Name: Susan Miller Phone: (303)228-4246 Fax: () Email: susan.miller@nblenergy.com
RECLAMATION FINANCIAL ASSURANCE
Plugging and Abandonment Bond Surety ID: 20030009
WELL LOCATION INFORMATION
QtrQtr: NWNW Sec: 16 Twp: 2N Rng: 64W Meridian: 6
Latitude: 40.144560 Longitude: -104.562860
FNL/FSL FEL/FWL
Footage at Surface: 445 Feet FNL 880 Feet FWL
Field Name: WATTENBERG Field Number: 90750
Ground Elevation: 4894 County: WELD
Date of Measurement: 09/13/2016 PDOP Reading: 2.0 Instrument Operator's Name: Andy Maggiore
If well is Directional Horizontal (highly deviated) submit deviated drilling plan.
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
550 FNL 575 FWL 100 FSL 565 FWL
Sec: 16 Twp: 2N Rng: 64W Sec: 21 Twp: 2N Rng: 64W
LOCATION CUREAGE & MINERALO & RIGHT TO CONSTRUCT
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT
Surface Ownership: Fee State Federal Indian
The Surface Owner is: is the mineral owner beneath the location.
(check all that apply)
★ has signed the Oil and Gas Lease.
is the applicant.
The Mineral Owner beneath this Oil and Gas Location is: Fee State Federal Indian
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes
The right to construct the Oil and Gas Location is granted by: oil and gas lease
Surface damage assurance if no agreement is in place: Surface Surety ID:

LEASE INFORMATION	V				
Using standard QtrQtr, Sec, beneath surface location if p	Twp, Rng format, produced. Attach se	describe one entire mineral eparate description page or	l lease that will be map if necessar	e produced by t y.)	this well (Describe lease
Section 16, T2N-R64W: A	All.				
Total Acres in Described Le	ase: 640	Described Mineral Lea	ase is: 🦵 Fee	State	Federal Indian
Federal or State Lease #	70/7879-S				
Distance from Completed P	ortion of Wellbore	to Nearest Lease Line of de	escribed lease:	0 F	eet
CULTURAL DISTANC	E INFORMATION	ON	10	INSTRUCTIONS:	sta shall be provided from contar of
Distance to nearest:			1	the Proposed We	nts shall be provided from center of all to nearest of each cultural
R	uilding: 329	98 Feet			bed in Rule 303.a.(5). distance greater than 1 mile.
	-	Feet '	-	- Building - neare	st building of any type. If nearest
High Occupancy Buildir		Feet		Building is a Build both.	ding Unit, enter same distance for
Designated Outside Activit	100	So Feet		- Building Unit, H	igh Occupancy Building Unit, and
HEATTON TO THE POST OF A SHORT AND THE		23 Feet		Designated Outsi 100-Series Rules.	ide Activity Area - as defined in
Above Ground		23 Feet		230 Series Males.	
		30 Feet			
		45 Feet			
		-			
DESIGNATED SETBA	CK LOCATION	Hard San	-	 Buffer Zone – a 1,000' of a Buildi 	s described in Rule 604.a.(2), within
INFORMATION			100	- Exception Zone	- as described in Rule 604.a.(1),
Check all that apply. This lo	cation is within a:	Buffer Zone	1 6	within 500' of a f	Building Unit. on Area - as defined in 100-Series
		Exception Zone	1	Rules.	ATTAICE OF GENTLE IN 200 DETEN
		Urban Mitigation Are	a	4	
Pre-application Notifications	s (required if locati	on is within 1,000 feet of a t	ouilding unit):		
Date of Rule 305.a.(1)	Urban Mitigation	Area Notification to Local Go	overnment:	40	
Date of Rule 305.a.(2)	Buffer Zone Notifi	cation to Building Unit Own	ers:		
	IEODMATION				
SPACING and UNIT II				ine seemen	
Distance from completed po		wellbore to nearest comple	ted portion of off	set wellbore pe	rmitted or completed in the
same formation: 133	Feet				
Distance from Completed F	Portion of Wellbore	to Nearest Unit Boundary	550 Fee	t (Enter 5280 fo	or distance greater than 1 mile.)
Federal or State Unit Name	e (if appl):			Unit Nur	mber:
SPACING & FORMAT					
	on: W/2W/2 Section	on 16, W/2W/2 Section 21, I	NW/4NW/4 Secti	on 28, Townshi	ip 2 North, Range 64 West.
Spacing Unit Configurati					
Spacing Unit Configurati		Spacing Order Number(s)	Unit Acreage As		Unit Configuration (N/2, SE/4, etc.) GWA

RILLING PH	ROGRAM							
Proposed Tota	I Measured De	pth: 17328 Fe	eet					
Distance from	the proposed v	vellbore to nearest	existing or p	proposed wellbore I	belonging to anot	ther operator, i	ncluding plug	ged wells:
		equal to 1,500 feet:			well belonging t			
	oop drilling syst			=				
				Latter a secondaria de la constanta de la cons	t sanaantrations	arostor than		
and the same of th				frilling operations a		greater than		
or equal to 100				ing Operations Plar	n)			
		ered during drilling?	T Provide					
Will salt based	(>15,000 ppm	CI) drilling fluids b	e used?	No				
Will oil based	drilling fluids be	used? Yes						
BOP Equipme	nt Type: 🔯 A	nnular Preventor	▼ Double	Ram 🗵 Ro	tating Head	☐ None)	
DOLINDWA	TED BASE	INE SAMDLIN	G AND M	ONITORING A	ND WATER W	/FLL SAMP	LING	
		1		ONTOMINA	NO WITTER	LLL OF UIII		
Water well sa	mpling required	per Rule 318	A					
RILLING W	ASTE MAN	AGEMENT PRO	OGRAM					
Drilling Fluids	Disposal:	OFFSITE	Drilling Flu	uids Disposal Meth	ods: Commercia	l Disposal		
22 Table 1	100000	Color T	CAMPAGE AND	ttings Disposal Met				
Cuttings Disp		1111	Out	an igo Diopodai Mos				
The reservoir to the Toron Park Toronto	al Description:		A CONTRACTOR OF THE CONTRACTOR			are disable a new	tion of wallba	
Drilling waste	disposal inforn	nation added to add	dress non-o	il based mud and fl	luias usea in non	-producing por	tion of wellbol	е.
Beneficial r	euse or land a	pplication plan sub	mitted?\	/es	P. Carrier			
Reuse Fa	cility ID:	or Do	cument Nur	mber: 2614238				
an escentistic celli o			_	5	17 1 X		-	
ASING PR	OGRAM							
Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
ONDUCTOR	26	16	42	0	80	6	80	0
URF	13+3/4	9+5/8	36	0	1950	691	1950	0
ST	8+1/2	5+1/2	20	0	17328	2264		
Conductor	Casing is NOT	planned						
Conductor		CLOCATION E	XCEPTIC	NS				
DESIGNATE	D SETBACI	LOCATION						
110.54.60025.007.0025.007.0		K LOCATION L						

- Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

IX Rule 318A.a. Exception Location (GWA Windows).

Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

Rule	502.b. Variance Request	from COGCC Rule or Spacing Order Number
OTHER L	OCATION EXCEPTI	ons
Check all th	CONTRACTOR OF CONTRACTOR	
☐ Rule	318.c. Exception Locatio	n from Rule or Spacing Order Number
☐ Rule	603.a.(2) Exception Loca	tion (Property Line Setback).
ALL exce waivers, o	ptions and variances requertifications, SUAs).	uire attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
OPERAT	OR COMMENTS AN	D SUBMITTAL
Comments	no. 401258059, Hullab State Y16-783, doc no 401258541. Noble Energy shall iso zones and exposure to based mud. Nearest well in same for therefore a signed con Report. Nearest well belonging Measurement of distar Please see Page 5, Se COGCC Rule 318A.a.	d consists of: Hullabaloo State Y21-787 Ref, doc no. 401258035, Hullabaloo State Y21-781, doc aloo State Y21-775, doc no. 401258415, Hullabaloo State Y21-769, doc no. 401258482, Rubicon 401258498, Rubicon State Y16-776, doc no. 401258512, Rubicon State Y16-770, doc no. 401258498, Rubicon State Y16-776, doc no. 401258512, Rubicon State Y16-770, doc no. 401258498, Rubicon State Y16-770, doc no. 40125849, Rubicon State Y16-770, doc no. 401258498, Rubicon State Y16-770, doc no. 40125849, Rubicon Sta
This applic	ation is in a Comprehens	ive Drilling Plan CDP #:
Location II		2017-01-5/2008- Gall 2014-
	-	with an Oil and Gas Location Assessment application?
100 MARK 1046		
I hereby c	ertify all statements made	e in this form are, to the best of my knowledge, true, correct, and complete.
Signed:		Print Name: Susan Miller
Title:	Regulatory Analyst	Date: 6/7/2017 Email: Regulatorynotification@nblener
Based on the	ne information provided h by approved.	erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
	(A) (A)	District Concess Date:
COGCC A	oproved:	Director of COGCC Date:
	API NUMBER	Expiration Date:
05		
		Oditions Of Amprovol
	_	Conditions Of Approval
constit	ute representations	ions and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are
enforce	eable to the same ext	ent as all other representations, stipulations and conditions of approval stated in
this Pe	rmit-to-Drill.	
COA Typ	<u>e</u>	Description
,		

No.	BMP/COA Type	Description
	Planning	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5.
		Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

Att Doc Num	<u>Name</u>
401258059	FORM 2 SUBMITTED
401285300	OffsetWellEvaluations Data
401285310	DEVIATED DRILLING PLAN
401285312	WELL LOCATION PLAT
401285314	DIRECTIONAL DATA
401285317	PROPOSED SPACING UNIT
401285325	SURFACE AGRMT/SURETY
401285776	EXCEPTION LOC REQUEST
401315959	SURFACE AGRMT/SURETY

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

Date Run: 6/22/2017 Doc [#401258059] Well Name: Hullabaloo State Y21-781

Page 6 of 7

No public comments were received on this application during the comment period.

FORM 2

Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

APPLICATION FOR PERMIT TO:



Document Number:

401258035

(SUBMITTED)

Deepen	Re-enter	1	Recomplete and Operat	te	
Super-print - 1772 Margarian	Salahan arang managan arang				Date Received:

▼ Drill Deepen Re-enter Recomplete an	d Operate	Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER	Refiling T	06/07/2017
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES	Sidetrack T	
Well Name: Hullabaloo State Well Number: Y21	-787	
Name of Operator: NOBLE ENERGY INC	OGCC Operator Nun	nber: 100322
Address: 1625 BROADWAY STE 2200		
City: DENVER State: CO Zip: 80202		
Contact Name: Susan Miller Phone: (303)228-4246 Fax:	()	
Email: susan.miller@nblenergy.com		
RECLAMATION FINANCIAL ASSURANCE		
Plugging and Abandonment Bond Surety ID: 20030009		
WELL LOCATION INFORMATION		
QtrQtr: NWNW Sec: 16 Twp: 2N Rng: 64W Meridian: 6		
Latitude: 40.144570 Longitude: -104.563000		
FNL/FSL FEL/FWL Footage at Surface: 445 Feet FNL 842 Feet FWL		
Field Name: WATTENBERG Field Number: 90750		
Ground Elevation: 4893 County: WELD	707	
GPS Data:		
Date of Measurement: 09/13/2016 PDOP Reading: 1.5 Instrument Operator's Nam	ne: Andy Maggiore	
If well is Directional	100.00000	
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL	FELFV	
550 FNL 150 FWL 100 FSL Sec: 16 Twp: 2N Rng: 64W Sec: 21 T	150 FW wp: 2N Rng	965
Sec: 16 Twp: 2N Rng: 64W Sec: 21 T	WpZIV Ting	
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT		
Surface Ownership: Fee 🔀 State Federal Indian		
The Surface Owner is: is the mineral owner beneath the location.		
(check all that apply) is committed to an Oil and Gas Lease.		
is the applicant.		
The Mineral Owner beneath this Oil and Gas Location is: Fee 😿 State Fe	deral 🗀 Indian	
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes		
The right to construct the Oil and Gas Location is granted by: oil and gas lease		
	ace Surety ID:	

LEASE INFORMATION	
Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will beneath surface location if produced. Attach separate description page or map if necess	Il be produced by this well (Describe lease sary.)
Section 16, T2N-R64W: All.	
Total Acres in Described Lease: 640 Described Mineral Lease is: Fe	ee 🗵 State 🗀 Federal 🗀 Indian
Federal or State Lease # 70/7879-S	
Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease	: 0 Feet
CULTURAL DISTANCE INFORMATION	INSTRUCTIONS: - All measurements shall be provided from center of
Distance to nearest:	the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
Building: 3286 Feet	- Enter 5280 for distance greater than 1 mile.
Building Unit: 3332 Feet	- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for
High Occupancy Building Unit: 5280 Feet	both.
Designated Outside Activity Area: 5280 Feet	- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in
Public Road: 4461 Feet	100-Series Rules.
Above Ground Utility: 3314 Feet	
Railroad: 5280 Feet	"
Property Line: 445 Feet	
DESIGNATED SETBACK LOCATION INFORMATION	- Buffer Zone — as described in Rule 604.a.(2), within 1,000' of a Building Unit
Check all that apply. This location is within a:	- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
Exception Zone	- Urban Mitigation Area - as defined in 100-Series
Urban Mitigation Area	Rules.
Pre-application Notifications (required if location is within 1,000 feet of a building unit):	
Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government:	
Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners:	The same of the sa
SPACING and UNIT INFORMATION	
Distance from completed portion of proposed wellbore to nearest completed portion of o	offset wellbore permitted or completed in the
same formation: 384 Feet	
Distance from Completed Portion of Wellbore to Nearest Unit Boundary 550 F	eet (Enter 5280 for distance greater than 1 mile.)
Federal or State Unit Name (if appl):	Unit Number:
SPACING & FORMATIONS COMMENTS	
Spacing Unit Configuration: W/2W/2 Section 16, E/2E/2 Section 17, E/2E/2 Section 2 NE/4NE/4 Section 29, Township 2 North, Range 64 West.	20, W/2W/2 Section 21, NW/4NW/4 Section 28,
OBJECTIVE FORMATIONS	
affaith d'infrasconnaigh ann an Air ann an Air ann an Air	Assigned to Well Unit Configuration (N/2, SE/4, etc.)
NIOBRARA NBRR	720 GWA

DRILLING PE								
DEDUCKS MINISTERSON - PROCESSON		epth:17336 Fe						- W - W
Distance from	the proposed v	wellbore to nearest	existing or	proposed wellbore	belonging to ano	ther operator, i	ncluding plug	ged wells:
Enter distance	if less than or	equal to 1,500 feet	: 384	Feet No	o well belonging t	o another oper	ator within 1,	500 feet
Will a closed-l	oop drilling sys	tem be used?	/es_					
Is H2S gas rea		ted to be encounte				greater than		
	78	ered during drilling			206			
		CI) drilling fluids b	9275	No				
		e used? Yes	o dood.	110				
	**************************************	nnular Preventor	— ▼ Double	e Bam . I⊠ Bo	tating Head	T None	•	
4.5	40				od sana na ostot To leros no notacina estada.			
GROUNDWA	ATER BASE	LINE SAMPLIN	G AND M	IONITORING A	ND WATER W	ELL SAMP	LING	
Water well sa	mpling require	d per Rule 318	A					
DRILLING W	ASTE MAN	AGEMENT PRO	OGRAM					
Drilling Fluids	Disposal:	OFFSITE	Drilling Fl	uids Disposal Meth	ods: Commercia	l Disposal		
SAX 54.8X KANKY	Ven Transfer		Section of the second	ttings Disposal Met				
Cuttings Disp		DITE	Cu	ungs Disposai wet	riod. Commercia	Попороски		
The second of the second of the second of	al Description:						tion of welling	
Drilling waste	disposal inforr	mation added to ad	dress non-c	oil based mud and f	luids used in non	-producing por	tion of wellbo	е.
Beneficial r	euse or land a	pplication plan sub	mitted?	Yes	100			
Reuse Fa	cility ID:	or Do	cument Nur	mber: 2614238				
CASING PR	OGRAM		1	-	PA			
		Sine of Cooling	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
Casing Type CONDUCTOR	Size of Hole 26	Size of Casing	42	0	80	6	80	0
SURF	13+3/4	9+5/8	36	0	1950	691	1950	0
1ST	8+1/2	5+1/2	20	0	17336	2266		
Conductor	Casing is NOT	planned						
DESIGNATE	D SETBAC	K LOCATION E	XCEPTIC	ONS		111		
Check all that a								
	D-10000000	on Zone (within 500	n' of Buildin	a Linit)				
		on Location (existir			tion now within a	Designated Se	etback as a re	sult of
Rule 604.	and section in the contract of the	on Location (oxioti	ig or appro-					
100	- 5	on Location (existir	ng or approv	ved Oil & Gas Loca	tion is within a De	esignated Setb	ack due to Bu	uilding Unit
construction	on after Location	on approval)						
20 NOVEMBER 2000 CONTRACTOR	movement movement mount	Location (SUA or						
Rule 604. developm		Location (Building	Units cons	tructed after Augus	t 1, 2013 within s	etback per an	SUA or site-s	oecific
THE REMARKS WAS A STREET				100 100 100 100 100 100 100 100 100 100				

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

Rule 318A.a. Exception Location (GWA Windows).

₩ Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

Rule	502.b. Variance Request	from COGCC Rule or Spacing Order Number
OTHER LO	OCATION EXCEPTION	ONS
Check all tha	at apply:	
☐ Rule 3	318.c. Exception Location	from Rule or Spacing Order Number
T Rule 6	603.a.(2) Exception Locat	tion (Property Line Setback).
ALL excep waivers, c	otions and variances requertifications, SUAs).	ire attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
OPERATO	OR COMMENTS AN	DSUBMITTAL
Comments	no. 401258059, Hullaba State Y16-783, doc no. 401258541. Noble Energy shall isola zones and exposure to based mud. Nearest well in same fo 39733, Crestone Peak Please see Page 5, Ser waiver language to CO	d consists of: Hullabaloo State Y21-787 Ref, doc no. 401258035, Hullabaloo State Y21-781, doc aloo State Y21-775, doc no. 401258415, Hullabaloo State Y21-769, doc no. 401258482, Rubicon 401258498, Rubicon State Y16-776, doc no. 401258512, Rubicon State Y16-770, doc no. atte both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil ormation and nearest well belonging to another Operator = Dale 4K-20H-0264, API No. 05-123-Resources, 384'. Measurement of distance to nearest well calculated using COGIS data. ction 6., Consents and Waivers of the attached Surface Use Agreement for exception location GCC Rule 318A.a. to locate any well outside of the GWA window and COGCC Rule 318A.c. to than fifty (50) feet from an existing well.
This applica	ation is in a Comprehensi	ve Drilling Plan CDP #:
Location ID		
- CESSES AND CONTRACTOR	-	with an Oil and Gas Location Assessment application?
100		
I hereby ce	ertify all statements made	in this form are, to the best of my knowledge, true, correct, and complete.
Signed:		Print Name: Susan Miller
Title:	Regulatory Analyst	Date: 6/7/2017 Email: Regulatorynotification@nblener
	e information provided he by approved.	erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
COGCC Ap	proved:	Director of COGCC Date:
		Expiration Date:
	API NUMBER	
05		
•		
		Conditions Of Approval
constitu	ite representations, s	ons and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are ent as all other representations, stipulations and conditions of approval stated in
COA Type	2	Description
	3	
1		

		Best Management Practices
10	BMP/COA Type	Description
1	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
2	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
3	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
4	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
5	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Total: 5 comment(s)

Attachment Check List

Att Doc Num	<u>Name</u>			
401258035	FORM 2 SUBMITTED			
401285066	OffsetWellEvaluations Data			
401285137	DEVIATED DRILLING PLAN			
401285142	WELL LOCATION PLAT			
401285144	DIRECTIONAL DATA			
401285182	PROPOSED SPACING UNIT			
401285186	SURFACE AGRMT/SURETY			
401285801	EXCEPTION LOC REQUEST			
401315932	SURFACE AGRMT/SURETY			

Total Attach: 9 Files

		General Comments	
User Group	Comment		Comment Date
			Stamp Upon Approval
Total: 0 comm	ent(s)		
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	and the second		
	100		
		V 20.	
	•	h.	

No public comments were received on this application during the comment period.	

Date Run: 6/22/2017 Doc [#401258035] Well Name: Hullabaloo State Y21-787

Page 7 of 7

FORM 2 Rev 08/16

State of Colorado

Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401255603

(SUBMITTED)

APPLICATION FOR PERIMIT TO:		
▼ Drill	Operate	Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER	Refiling	06/07/2017
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES	Sidetrack T	3313112011
Well Name: Hullabaloo State Well Number: Y21-7	726	_
Name of Operator: NOBLE ENERGY INC CC	GCC Operator Nun	nber: 100322
Address: 1625 BROADWAY STE 2200		
City: DENVER State: CO Zip: 80202		
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()	
Email: susan.miller@nblenergy.com	•	
RECLAMATION FINANCIAL ASSURANCE		
Plugging and Abandonment Bond Surety ID: 20030009		
WELL LOCATION INFORMATION		X
QtrQtr: NENE Sec: 16 Twp: 2N Rng: 64W Meridian: 6	_	
Latitude: 40.144520 Longitude: -104.550310		
FNL/FSL FEL/FWL Footage at Surface: 445 Feet FNL 930 Feet FEL		
Footage at Surface: 445 Feet FNL 930 Feet FEL Field Name: WATTENBERG Field Number: 90750		
Ground Elevation: 4945 County: WELD		э 🦠
GPS Data:		
Date of Measurement: 09/13/2016 PDOP Reading: 1.6 Instrument Operator's Name	e: Andy Maggiore	
If well is Directional Horizontal (highly deviated) submit deviated drilling pla	n.	
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL	FEL/FV	
550 FNL 1075 FEL 100 FSL	1075 FEL	_
Sec: 16 Twp: 2N Rng: 64W Sec: 21 Tv	rp: 2N Rng	: _64W
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT		
Surface Ownership: Fee X State Federal Indian		
The Surface Owner is: is the mineral owner beneath the location.		
(check all that apply) is committed to an Oil and Gas Lease.		
⋉ has signed the Oil and Gas Lease.		
is the applicant.		
The Mineral Owner beneath this Oil and Gas Location is: Fee X State Fed	eral T Indian	
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes		
The right to construct the Oil and Gas Location is granted by: oil and gas lease		
UNIVERSITY OF THE PROPERTY OF	ce Surety ID:	
Curitado darinago abbartarios il rio agrovinona lo il piaco.	ne commutativa in ili	

otal Acres in Described Lease: 6	Described Mineral Lea	se is: Fee 👿 State	Federal Indian
Federal or State Lease # 70/787	79-8		
Distance from Completed Portion of We	ellbore to Nearest Lease Line of de	scribed lease: 0	Feet
CULTURAL DISTANCE INFOR	MATION	INSTRUCTIONS: - All measureme	nts shall be provided from center of
Distance to nearest:			'ell to nearest of each cultural ibed in Rule 303.a.(5).
Building:	934 Feet	- Enter 5280 for	distance greater than 1 mile.
Building Unit:	1666 Feet	- Building - near Building is a Bui	est building of any type. If nearest Iding Unit, enter same distance for
High Occupancy Building Unit:	5280 Feet	both.	
Designated Outside Activity Area:	5280 Feet		High Occupancy Building Unit, and side Activity Area - as defined in
Public Road:	912 Feet	100-Series Rule	
Above Ground Utility:	901 Feet		
Railroad:	5280 Feet		
Property Line:	445 Feet		
Check all that apply. This location is w	ithin a: Buffer Zone Exception Zone	within 500' of a	e - as described in Rule 604.a.(1), Building Unit. ion Area - as defined in 100-Series
Date of Rule 305.a.(1) Urban Miti	Urban Mitigation Area if location is within 1,000 feet of a baseling to Local Go	ouilding unit):	
Date of Rule 305.a.(1) Urban Miti Date of Rule 305.a.(2) Buffer Zon	Urban Mitigation Area if location is within 1,000 feet of a bacton Area Notification to Local Government of the Notification to Building Unit Owner.	a puilding unit): pvernment:	
Date of Rule 305.a.(1) Urban Miti Date of Rule 305.a.(2) Buffer Zon	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION	a building unit): by overnment: pers:	
Date of Rule 305.a.(1) Urban Miti Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMA Distance from completed portion of pro-	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION	a building unit): by overnment: pers:	
Date of Rule 305.a.(1) Urban Miti Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMA Distance from completed portion of pro- same formation: 211 Feet	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION oposed wellbore to nearest complete	a building unit): by overnment: by	ermitted or completed in the
Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMA Distance from completed portion of presame formation: 211 Feet Distance from Completed Portion of W	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION oposed wellbore to nearest complete	expuilding unit): overnment: ors: ted portion of offset wellbore p 550 Feet (Enter 5280)	ermitted or completed in the for distance greater than 1 mile.)
Date of Rule 305.a.(1) Urban Miti Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMAD Distance from completed portion of prosame formation:211Feet Distance from Completed Portion of Wisher Completed Portion of W	Urban Mitigation Area if location is within 1,000 feet of a b igation Area Notification to Local Go ie Notification to Building Unit Owne ATION oposed wellbore to nearest complete Vellbore to Nearest Unit Boundary	a building unit): by overnment: by	ermitted or completed in the for distance greater than 1 mile.)
Date of Rule 305.a.(1) Urban Mitical Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMAD Distance from completed portion of presame formation:211Feet Distance from Completed Portion of Westernal or State Unit Name (if appl): SPACING & FORMATIONS CO	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION opposed wellbore to nearest complete Velibore to Nearest Unit Boundary	a building unit): overnment: ers: ted portion of offset wellbore p 550 Feet (Enter 5280 Unit No	ermitted or completed in the for distance greater than 1 mile.)
Date of Rule 305.a.(1) Urban Miti Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMAD Distance from completed portion of presame formation:211Feet Distance from Completed Portion of Westerland or State Unit Name (if appl):	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION opposed wellbore to nearest complete Velibore to Nearest Unit Boundary	a building unit): overnment: ers: ted portion of offset wellbore p 550 Feet (Enter 5280 Unit No	ermitted or completed in the for distance greater than 1 mile.)
Date of Rule 305.a.(1) Urban Mitical Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMAD Distance from completed portion of presame formation:211Feet Distance from Completed Portion of Westernal or State Unit Name (if appl): SPACING & FORMATIONS CONSTRUCTIONS CONSTRU	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION opposed wellbore to nearest complete Velibore to Nearest Unit Boundary	a building unit): overnment: ers: ted portion of offset wellbore p 550 Feet (Enter 5280 Unit No	ermitted or completed in the for distance greater than 1 mile.)
Date of Rule 305.a.(1) Urban Mitical Date of Rule 305.a.(2) Buffer Zon SPACING and UNIT INFORMAD Distance from completed portion of presame formation:211Feet Distance from Completed Portion of Westernal or State Unit Name (if appl): SPACING & FORMATIONS CO	Urban Mitigation Area if location is within 1,000 feet of a bagation Area Notification to Local Government of the Notification to Building Unit Owner TION opposed wellbore to nearest complet Wellbore to Nearest Unit Boundary OMMENTS Ction 16, E/2 Section 21, N/2NE/4 Section 21, N/2NE/4 Section 16, E/2 Section 21, N/2NE/4 Section 21, N/	a building unit): overnment: ers: ted portion of offset wellbore p 550 Feet (Enter 5280 Unit No	ermitted or completed in the for distance greater than 1 mile.)

DRILLING PF	ROGRAM							
		pth:17326F6						in 608
Distance from	the proposed v	vellbore to nearest	existing or p	roposed wellbore b				
Enter distance	if less than or	equal to 1,500 feet	: 300	Feet No	well belonging to	another oper	ator within 1,	500 feet
Will a closed-lo	oop drilling syst	tem be used?	'es		ii.			
ls H ₂ S gas rea	sonably expec	ted to be encounte	red during d	rilling operations at	concentrations g	greater than		
or equal to 100				ng Operations Plar				
Will salt sectio	ns be encounte	— ered during drilling	? No					
		CI) drilling fluids b		No				
Will oil based	drilling fluids be	used? Yes						
BOP Equipme	nt Type: 🔀 A	nnular Preventor	□ Double	Ram 😿 Ro	tating Head	☐ None)	
GROUNDWA	TER BASE	INE SAMPLIN	G AND M	ONITORING AN	ND WATER W	ELL SAMP	LING	
TOO TOO TO THE PART OF THE PAR	mpling required							
	W 30							
DRILLING W	ASTE MAN	AGEMENT PRO						
Drilling Fluids	Disposal:	OFFSITE	Drilling Flu	uids Disposal Meth	ods: Commercial	Disposal		
Cuttings Disp	osal: OFFS	BITE	Cut	tings Disposal Metl	hod: Commercial	Disposal		
Other Disposa	al Description:	The state of the s	· ·					
Drilling waste	disposal inforr	nation added to ad	dress non-oi	l based mud and fl	uids used in non-	-producing por	tion of wellbo	ъ.
Beneficial r	euse or land a	pplication plan sub	mitted? Y	'es				
Reuse Fa			cument Nun	nber: 2614238				
			-		#/x			
CASING PR	OGRAM			,				
Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	26	16	42	0	80	6	1950	0
SURF	13+3/4 8+1/2	9+5/8 5+1/2	36 20	0	1950 17326	2264	1950	-
1ST Conductor	Casing is NOT	1905-2000	20		1, 32			
	8	K LOCATION E	XCEPTIO	NS		7		
		K LOCATION L	XCLI IIC	110				
Check all that a		7 (within 50	OL of Duilding	r I Irsit\				
Rule 604.	a.(1)A. Excepti b.(1)A. Excepti	on Zone (within 50	o or approv	ed Oil & Gas Locat	tion now within a	Designated S	etback as a re	sult of
Rule 604.		on Location (existi	ig or approv	od oli d odo zosa				
		on Location (existin	ng or approv	ed Oil & Gas Loca	tion is within a De	esignated Sett	ack due to Bu	ilding Unit
constructi	on after Location	on approval)						-
	3 6			development plan				
Rule 604.		Location (Building	Units const	ructed after Augus	t 1, 2013 within s	etback per an	SUA or site-s	pecific
15	10 (37)							
Check all that a		NG ANLA LOO	ATION EX	CEPTIONS				
need by an the resident will write the	apply:	NG ANLA LOC	ATION EX	CEPTIONS				
The second of the same of the				CEPTIONS				
Committee to the control of the cont	A.a. Exception	Location (GWA Wi	ndows).	CEPTIONS				
Committee to the committee of the committee of	A.a. Exception A.c. Exception	Location (GWA Wi Location (GWA Tw	ndows).	CEPTIONS				

THER LOCATION EXCEPTIONS Check all that apply: TRule 316.e. Exception Location from Rule or Spacing Order Number File 803.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(e). Refer to applicable rule for additional required attachments (e.g. waiverse, certifications, SUAs). OPPERATOR COMMENTS AND SUBMITTAL. Comments Y16-27 PAD, 8-well paid consists of: Hullabaloo State Y21-746 Ref, doc no. 401253917, Hullabaloo State Y21-736, doc no. 401255595, Hullabaloo State Y21-726, doc no. 401255695, Hullabaloo State Y21-726, doc no. 401255695, Hullabaloo State Y21-726, doc no. 401255695, Hullabaloo State Y21-736, doc no. 401256957, Hullabaloo State Y21-736, doc no. 401256957	Bule		
Check all that apply: Fig. 1818.3. Exception Location from Rule or Spacing Order Number Fig. 1818.3. Exception Location from Rule or Spacing Order Number Fig. 1818.3. Exception Location from Rule or Spacing Order Number Fig. 1818.3. Representations, SUAs). OPERATOR COMMENTS AND SUBMITTAL Comments Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-746 Ref, doc no. 401255957, Hullabaloo State Y21-736, doc no. 401255956, Hullabaloo State Y21-736, doc no. 401255956, Hullabaloo State Y21-736, doc no. 401255956, Hullabaloo State Y21-736, doc no. 401255957, Hullabaloo State Y21-736, doc no. 401255957, Hullabaloo State Y21-736, doc no. 401259597, Hullabaloo State Y21-736, doc no. 40125957, Hullabaloo State Y21-736, doc no. 401	11010	502.b. Variance Reques	t from COGCC Rule or Spacing Order Number
Rule 318.c. Exception Location from Rule or Spacing Order Number Rule 603.a.(2) Exception Location (Property Line Setback). ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs). OPERATOR COMMENTS AND SUBMITTAL. Comments 176-27 PAD, 8-well pad consists of: Hullabaloo State Y21-746 Ref, doc no. 401259917, Hullabaloo State Y21-736, doc no. 401255958, Hullabaloo State Y21-736, doc no. 401255958, Hullabaloo State Y21-736, doc no. 4012559017, Hullabaloo State Y21-736, doc no. 401255958, Hullabaloo State Y21-736, doc no. 4012559017, Hullabaloo State Y21-736, doc no. 401255958, Hullabaloo State Y21-736, doc no. 401255917, Hullabaloo State Y21-736, doc no. 40125917, Hullabaloo State Y21-736, doc no. 40125917, Hullabaloo State Y21-736, doc no. 401259194, Rullabaloo State Y21-736, doc no. 4012591940, Hullabaloo State Y21-736, doc no.	OTHER L	OCATION EXCEPT	IONS
PRUE 603.a.(2) Exception Location (Property Line Setback). All. exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. walvers, certifications, SUAs). OPERATOR COMMENTS AND SUBMITTAL. Comments Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-748 Ref, doc no. 401255917, Hullabaloo State Y21-736, doc no. 401255917, Hullabaloo State Y21-736, doc no. 401256917, Hullabaloo State Y16-738, doc no. 401256917, Hullabaloo State Y21-746, doc no. 401256917, Hullabaloo State Y21-726, doc no. 401256917, Hullabaloo State Y21-726, doc no. 401256917, Hullabaloo State Y21-726,	Check all th	nat apply:	
ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs). OPERATOR COMMENTS AND SUBMITTAL. Comments Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-746 Ref., doc no. 401259917, Hullabaloo State Y21-736, doc no. 401255958, Hullabaloo State Y16-736, doc no. 401255958, Hullabaloo State Y16-736, doc no. 401255958, Hullabaloo State Y16-725, doc no. 401255917, Hullabaloo State Y16-725, doc no. 401255918, Hullabaloo State Y21-736, doc no. 401259840, Rullabaloo State Y21-736, doc no. 401258940, Rullabaloo State Y21-726, doc no. 401258940, Rullabaloo State Y21-726, doc no. 4012589	☐ Rule	318.c. Exception Location	on from Rule or Spacing Order Number
OPERATOR COMMENTS AND SUBMITTAL Comments Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-746 Ref, doc no. 401253917, Hullabaloo State Y21-736, doc no. 4012555603, Hullabaloo State Y21-776, doc no. 4012555603, Hullabaloo State Y21-776, doc no. 4012555603, Hullabaloo State Y21-776, doc no. 401256957, Rubicon State Y16-738, doc no. 4012569151, Rubicon State Y16-718, doc no. 401257012, Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall solate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy shall so agrees to not expose the Upper Pierre Aquifer to oil based mut. Nearest well in same formation = McIntosh 44-21, API No. 05-123-2340, Noble, 211'. The measurement of distance to nearest well calculated to a state of the 280-234, API No. 05-123-36279, PDC Energy, 300'. The measurement of distance to nearest well calculated using COGIS data. Please see Page 5, Section 6, Consents and Walvers of the attached Surface Use Agreement for exception location waiver language to COGICC Rule 318A.c. to locate any well outside of the GWA window and COGICC Rule 318A.c. to locate any well outside of the GWA window and COGICC Rule 318A.c. to locate any well outside of the GWA window and COGICC Rule 318A.c. to locate any well outside of the GWA window and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 67/2017 Email: Regulatorynotification@nblener Based on the information provided herein, this Application for Permit-to-Drill complies with	☐ Rule	603.a.(2) Exception Loc	ation (Property Line Setback).
Comments Y16-27 PAD, 8-well pad consists of: Hullabaloo State Y21-746 Ref, doc no. 401253917, Hullabaloo State Y21-736, doc no. 401255556, Hullabaloo State Y21-736, doc no. 401255556, Hullabaloo State Y21-746, doc no. 401255915, Rubicon State Y16-738, doc no. 401255915, Rubicon State Y16-738, doc no. 401255917, Hullabaloo State Y16-725, doc no. 401255912, Nobic Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to cil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to cil based mud. Nearest well is from the attached Anticollision Report. Nearest well belonging to another Operator = Stonebaker 28U-234, API No. 05-123-36279, PDC Energy, 300'. The measurement of distance to nearest well calculated using COGIS data. Please see Page 5, Section 6, Consents and Walvers of the attached Surface Use Agreement for exception location walver language to COGCC Rule 318A.c. to locate any well greater than fifty (50) feet from an existing well. This application is in a Comprehensive Drilling Plan CDP #: I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblener Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. COGCC Approved: Director of COGCC Date: Expiration Date: All representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions	ALL exce waivers,	eptions and variances req certifications, SUAs).	uire attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.
Inc. 401255566, Hullabaloo State Y21-726, doe no. 401255603, Hullabaloo State Y16-738, doe no. 401256915, Rubicon State Y16-768, doe no. 401256915, Rubicon State Y16-713, doe no. 401256940, Rubicon State Y16-725, doe no. 401256957, Rubicon State Y16-716, doe no. 401256912, Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to cil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well is from the attached Anticollision Report. Nearest well is from the attached Anticollision Report. Nearest well belonging to another Operator = Stonebaker 28U-234, API No. 05-123-36279, PDC Energy, 300°. The measurement of distance to nearest well claculated using CCGIS data. Please see Page 5, Section 6, Consents and Walvers of the attached Surface Use Agreement for exception location walver language to COGCC Rule 318A.c. to locate any well outside of the GWA window and COGCC Rule 318A.c. to locate any well greater than fifty (50) feet from an existing well. This application is in a Comprehensive Drilling Plan CDP #: Location ID: Is this application being submitted with an Oil and Gas Location Assessment application? Yes I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblener Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. COGCC Approved: Director of COGCC Date: Expiration Date: All representations, stipulations and conditions of approval stated in the Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill in this Permit-to-Drill.	OPERAT	OR COMMENTS AN	ND SUBMITTAL
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I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete. Signed: Print Name: Susan Miller Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatorynotification@nblener Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. COGCC Approved: Director of COGCC Date: Expiration Date: O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.			with an Oil and Gas Location Assessment application?
Signed: Title: Regulatory Analyst Date: 6/7/2017 Email: Regulatory Notification@nblener Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved. COGCC Approved: Director of COGCC API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.			
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API NUMBER O5 COGCC Approved: Director of COGCC Expiration Date: Expiration Date:	Title:	Regulatory Analyst	Date: 6/7/2017 Email: Regulatorynotification@nblener
API NUMBER O5 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.			nerein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders
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API NUMBER 05 Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.	COGCC A	pproved:	Director of COGCC Date:
Conditions Of Approval All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.		API NUMBER	Expiration Date:
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COA Type Description			
	consti	tute representations, eable to the same ex	tions and conditions of approval stated in the Form 2A for this location shall
	consti enforc this Pe	tute representations, eable to the same ex ermit-to-Drill.	tions and conditions of approval stated in the Form 2A for this location shall stipulations and conditions of approval for this Form 2 Permit-to-Drill and are tent as all other representations, stipulations and conditions of approval stated in
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		Best Management Practices
No	BMP/COA Type	<u>Description</u>
1		Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5.
		Bradenhead Monitoring: Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List Att Doc Num <u>Name</u> 401255603 FORM 2 SUBMITTED 401281975 OffsetWellEvaluations Data DIRECTIONAL DATA 401281985 DEVIATED DRILLING PLAN 401281986 401281987 WELL LOCATION PLAT 401281988 PROPOSED SPACING UNIT SURFACE AGRMT/SURETY 401281993 **EXCEPTION LOC REQUEST** 401292021 SURFACE AGRMT/SURETY 401315915

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
	47.0	Stamp Upon Approval

Total: 0 comment(s)

			comments		
	No public comme	nts were received on t	his application dur	ing the comment period.	
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FORM 2 Rev 08/16

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

401246151

Filolie. (503) 654-2100 Fax. (503) 654-2103	
APPLICATION FOR PERMIT TO: (SUBMITTED))
▼ Drill	
TYPE OF WELL OIL X GAS COALBED OTHER Refiling 6/07/2017	
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES Sidetrack	
Well Name: Hullabaloo State Well Number: Y21-716	
Name of Operator: NOBLE ENERGY INC COGCC Operator Number: 100322	
Address: 1625 BROADWAY STE 2200	
City: DENVER State: CO Zip: 80202	
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()	
Email: susan.miller@nblenergy.com	
RECLAMATION FINANCIAL ASSURANCE	
Plugging and Abandonment Bond Surety ID: 20030009	
WELL LOCATION INFORMATION	
WELL LOCATION INFORMATION QtrQtr: NENE Sec: 16 Twp: 2N Rng: 64W Meridian: 6	
Latitude: 40.144520 Longitude: -104.550180	
FNL/FSL FEL/FWL	
Footage at Surface: 445 Feet FNL 892 Feet FEL	
Field Name: WATTENBERG Field Number: 90750	
Ground Elevation: 4946 County: WELD	
GPS Data: Date of Measurement: 09/13/2016 PDOP Reading: 2.2 Instrument Operator's Name: Andy Maggiore	
If well is Directional Horizontal (highly deviated) submit deviated drilling plan.	
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL 550 FNL 415 FEL 100 FSL 415 FEL	
300 1112 110	
360. 10 1WD. 211 111g. 311	
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT	
Surface Ownership: Fee 🔀 State Federal Indian	
The Surface Owner is: is the mineral owner beneath the location.	
(check all that apply)	
★ has signed the Oil and Gas Lease.	
is the applicant.	
The Mineral Owner beneath this Oil and Gas Location is: Fee 🗵 State Federal 🗀 Indian	
The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes	
The right to construct the Oil and Gas Location is granted by: oil and gas lease	
Surface damage assurance if no agreement is in place: Surface Surface Surety ID:	
Curiado darriago acodiano il no agrocinio il in piaco.	

LEASE INFORMATIO	N				
Using standard QtrQtr, Sec beneath surface location if	, Twp, Rng format, produced. Attach s	describe one entire minera eparate description page o	I lease that will map if necessa	be produced by ary.)	this well (Describe lease
Section 16, T2N-R64W:	AII.				
Total Acres in Described Le	ease: 640	Described Mineral Le	ase is: 🦵 Fee	e ⊠ State	Federal Indian
Federal or State Lease #	70/7879-S	_			
Distance from Completed F	Portion of Wellbore	to Nearest Lease Line of de	escribed lease:	0	Feet
CULTURAL DISTANC	E INFORMATIO	NC			nts shall be provided from center
) ullelle av	- Foot		feature as descri	bed in Rule 303.a.(5).
	A SAN AND AND AND AND AND AND AND AND AND A	7 Feet			distance greater than 1 mile. est building of any type. If nearest
94C331519C44	CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE	6 Feet		Building is a Build	ding Unit, enter same distance fo
High Occupancy Buildi Designated Outside Activity	- C-17-070	Feet Feet		both. - Building Unit, H	igh Occupancy Building Unit, and
The Enterthal Company of the Company	-	75 Feet		Designated Outs 100-Series Rules	ide Activity Area - as defined in
Above Ground	-	3 Feet		100-series kules	•
692	The state of the s	30 Feet			
982	10 A - 10 A	15 Feet			
Date of Rule 305.a.(2)	ocation is within a: s (required if location) Urban Mitigation A Buffer Zone Notific	Buffer Zone Exception Zone Urban Mitigation Are on is within 1,000 feet of a lateral Notification to Local Greation to Building Unit Own	ouilding unit): overnment: ers:	1,000' of a Buildi - Exception Zone within 500' of a I - Urban Mitigatio Rules.	- as described in Rule 604.a.(1), Building Unit. on Area - as defined in 100-Series
Distance from completed p		wellbore to nearest comple	ted portion of of	riset wellbore pe	rmitted or completed in the
same formation: 272 Distance from Completed F Federal or State Unit Name SPACING & FORMAT	e (if appl):	(a.419590)	550Fe	et (Enter 5280 fo Unit Nur	or distance greater than 1 mile. nber:
Spacing Unit Configurati NE/4NE/4 Section 28, T.	ion: W/2W/2 Sectio 2N-R64W.	n 15, E/2E/2 Section 16, E	/2E/2 Section 2	1, W/2W/2 Section	on 22, NW/4NW/4 Section 27,
OBJECTIVE FORMAT	TIONS				
Objective Formation(s)	Formation Code	Spacing Order Number(s)		ssigned to Well	Unit Configuration (N/2, SE/4, et
CODELL	CODL		72	20	GWA
			2		

DRILLING PR								
Proposed Tota	ROGRAM							
		pth:17436 Fe					0 00 0	
Distance from	the proposed v	vellbore to nearest	existing or p	roposed wellbore t				
Enter distance	if less than or o	equal to 1,500 feet	: 382	Feet T No	well belonging to	o another oper	ator within 1,5	500 feet
Will a closed-lo	Will a closed-loop drilling system be used? Yes							
Is H2S gas rea	Is H2S gas reasonably expected to be encountered during drilling operations at concentrations greater than							
or equal to 100				ng Operations Plar				
Will salt section	ns be encounte	ered during drilling	? No	_				
Will salt based	(>15,000 ppm	CI) drilling fluids b	e used?	No				
Will oil based o	drilling fluids be	used? Yes					*	
BOP Equipme	nt Type: Ⅸ A	nnular Preventor	▼ Double	Ram 🗵 Ro	tating Head	None		
GROUNDWA	TER BASE	LINE SAMPLIN	G AND M	ONITORING AN	ND WATER W	ELL SAMP	LING	
Water well sai	mpling required	per Rule 318	3A					
DRILLING W	ASTE MAN	AGEMENT PRO	OGRAM					
Drilling Fluids		OFFSITE		uids Disposal Meth	ods: Commercia	Disposal		
Cuttings Dispo		10-2	3	tings Disposal Meti				
Other Disposa	A	7114	The state of the s			**************************************		
		nation added to ad	Idress non-oi	I based mud and fl	uids used in non	-producing por	tion of wellbor	e.
						566		
325 692		pplication plan sub	A STATE OF THE PARTY OF THE PAR	es	4			
Reuse Fa	cility ID:	or Do	cument Nun	nber: 2614238	1/2			
	CDAM			1				
CASING PRO	JUNAIN							
CASING PRO		Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CASING PRO Casing Type CONDUCTOR	Size of Hole	Size of Casing	Wt/Ft 42	Csg/Liner Top	Setting Depth	6	80	0
Casing Type	26 13+3/4	16 9+5/8	42 36	0	80 1950	6 691		
Casing Type CONDUCTOR SURF 1ST	26 13+3/4 8+1/2	16 9+5/8 5+1/2	42	0	80	6	80	0
Casing Type CONDUCTOR SURF 1ST Conductor	26 13+3/4 8+1/2 Casing is NOT	16 9+5/8 5+1/2 planned	42 36 20	0 0 0	80 1950	6 691	80	0
Casing Type CONDUCTOR SURF 1ST Conductor	26 13+3/4 8+1/2 Casing is NOT	16 9+5/8 5+1/2	42 36 20	0 0 0	80 1950	6 691	80	0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	26 13+3/4 8+1/2 Casing is NOT D SETBAC pply:	16 9+5/8 5+1/2 planned K LOCATION E	42 36 20 EXCEPTIO	0 0 0	80 1950	6 691	80	0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a	26 13+3/4 8+1/2 Casing is NOT D SETBAC pply: a.(1)A. Excepti	16 9+5/8 5+1/2 planned K LOCATION E	42 36 20 EXCEPTIO	0 0 0 0 0 0 0 0 0 0	80 1950 17436	6 691 2282	1950	0
Casing Type CONDUCTOR SURF 1ST Conductor DESIGNATE Check all that a Rule 604.8	26 13+3/4 8+1/2 Casing is NOT D SETBAC pply: a.(1)A. Excepti	16 9+5/8 5+1/2 planned K LOCATION E	42 36 20 EXCEPTIO	0 0 0	80 1950 17436	6 691 2282	1950	0
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		from COGCC Bule or Space	ing Order Number		_
Rule	502.b. Variance Reques	I HOITI COGOO I tale of Opac			
THER L	OCATION EXCEPT	IONS			
neck all tha	at apply:				
		n from Rule or Spacing Orde	er Number		
Rule	603.a.(2) Exception Loca	ation (Property Line Setback)).		
ALL excep waivers, c	otions and variances req ertifications, SUAs).	uire attached Request Letter	(s). Refer to applica	able rule for add	ditional required attachments (e.g.
PERAT	OR COMMENTS AN	ID SUBMITTAL			
omments	no. 401255566, Hullat State Y16-738, doc no 401256957, Rubicon S Noble Energy shall is zones and exposure to based mud. Nearest well in same nearest well is from at Nearest well belongin measurement of dista Please see Page 5, S waiver language to Co	paloo State Y21-726, doc no 0. 401256315, Rubicon State State Y16-718, doc no. 4012 polate both the Fox Hills and Up 10 oil based drilling fluid. Not commation = McIntosh 42-21, tached Anticollision Report. In the command of the communication of the comm	. 401255603, Hullat. 9 Y16-731, doc no. 4 57012. Jpper Pierre Aquifer ale Energy also agre API No. 05-123-224 bebraker 28U-234, A d using COGIS data vers of the attached any well outside o	rs with surface of the ses to not expose 437, Noble, 272 API No. 05-123-	17, Hullabaloo State Y21-736, doc -716, doc no. 401246151, Rubicon bicon State Y16-725, doc no. casing from hydrocarbon bearing se the Upper Pierre Aquifer to oil 2'. The measurement of distance to -36279, PDC Energy, 382'. The Agreement for exception location dow and COGCC Rule 318A.c. to
This applic	Territoria de la companiona de la compan				
	ation is in a Comprehen	sive Drilling Plan	CDP #:		
	ation is in a Comprehen	sive Drilling Plan	CDP #:		
Location ID	o:		V (4)	Marian see	Yes
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Vo I	BMP/COA Type	Description
	Planning	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5. Bradenhead Monitoring: Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

Attachment Check List

Att Doc Num	Name
401246151	FORM 2 SUBMITTED
401282009	OffsetWellEvaluations Data
401282010	DIRECTIONAL DATA
401282011	DEVIATED DRILLING PLAN
401282013	WELL LOCATION PLAT
401282015	PROPOSED SPACING UNIT
401282030	SURFACE AGRMT/SURETY
401292691	EXCEPTION LOC REQUEST
401315828	SURFACE AGRMT/SURETY

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)

No public comments were received on this application during the comment period.

FORM 2

State of Colorado

Oil and Gas Conservation Commission



Document Number:

08/16 Phone: (303) 894-2100 Fax: (303) 894-2109	401257833
APPLICATION FOR PERMIT TO:	(SUBMITTED)
▼ Drill	Date Received:
TYPE OF WELL OIL X GAS COALBED OTHER Refiling	06/07/2017
ZONE TYPE SINGLE ZONE X MULTIPLE ZONES COMMINGLE ZONES Sidetrack	PROSESTATION TO 1/2 PA
Well Name: Hullabaloo State Well Number: Y21-756	_
Name of Operator: NOBLE ENERGY INC COGCC Operator Num	ber: 100322
Address: 1625 BROADWAY STE 2200	195
City: DENVER State: CO Zip: 80202	
Contact Name: Susan Miller Phone: (303)228-4246 Fax: ()	
Email: susan.miller@nblenergy.com	
RECLAMATION FINANCIAL ASSURANCE	
Plugging and Abandonment Bond Surety ID: 20030009	
WELL LOCATION INFORMATION	2
QtrQtr: NENW Sec: 16 Twp: 2N Rng: 64W Meridian: 6	
Latitude: 40.144540 Longitude: -104.556650	
FNL/FSL FEL/FWL Footage at Surface: 445 Feet FNL 2617 Feet FWL	
Field Name: WATTENBERG Field Number: 90750	
Ground Elevation: 4912 County: WELD	
GPS Data:	
Date of Measurement: 09/13/2016 PDOP Reading: 2.1 Instrument Operator's Name: Andy Maggiore	
If well is Directional Horizontal (highly deviated) submit deviated drilling plan.	
Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL	
715 FNL 2275 FWL 100 FSL 2225 FWL	
Sec: 16 Twp: 2N Rng: 64W Sec: 21 Twp: 2N Rng	: _64W
LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT	
Surface Ownership: Fee State Federal Indian	
The Surface Owner is: is the mineral owner beneath the location.	
(check all that apply)	
is the applicant.	
The Mineral Owner beneath this Oil and Gas Location is: Fee X State Federal Indian	
The Minerals beneath this Oil and Gas Location will be developed by this Well:	
The right to construct the Oil and Gas Location is granted by: oil and gas lease	
Surface damage assurance if no agreement is in place: Surface Surety ID:	

LEASE INFORMATION	
Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that beneath surface location if produced. Attach separate description page or map if nec	t will be produced by this well (Describe lease cessary.)
Section 16, T2N-R64W: All.	
Total Acres in Described Lease: 640 Described Mineral Lease is:	Fee 💢 State 🦵 Federal 🔭 Indian
Federal or State Lease # 70/7879-S	
Distance from Completed Portion of Wellbore to Nearest Lease Line of described le	ase: 0 Feet
CULTURAL DISTANCE INFORMATION Distance to nearest: Building: 2372 Feet Building Unit: 3258 Feet High Occupancy Building Unit: 5280 Feet Designated Outside Activity Area: 5280 Feet Public Road: 2685 Feet Above Ground Utility: 2702 Feet Railroad: 5280 Feet Property Line: 445 Feet DESIGNATED SETBACK LOCATION INFORMATION	INSTRUCTIONS: - All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5). - Enter 5280 for distance greater than 1 mile. - Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both. - Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules. - Buffer Zone — as described in Rule 604.a.(2), within 1,000' of a Building Unit - Exception Zone – as described in Rule 604.a.(1),
Check all that apply. This location is within a: Exception Zone Exception Zone Urban Mitigation Area Pre-application Notifications (required if location is within 1,000 feet of a building ur Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners:	within 500' of a Building Unit Urban Mitigation Area - as defined in 100-Series Rules.
SPACING and UNIT INFORMATION Distance from completed portion of proposed wellbore to nearest completed portion same formation: 300 Feet Distance from Completed Portion of Wellbore to Nearest Unit Boundary 715 Federal or State Unit Name (if appl): SPACING & FORMATIONS COMMENTS	n of offset wellbore permitted or completed in the Feet (Enter 5280 for distance greater than 1 mile.) Unit Number:
Spacing Unit Configuration: E/2W/2, W/2E/2 Section 16, E/2W/2, W/2E/2 Section North, Range 64 West. OBJECTIVE FORMATIONS	n 21, NE/4NW/4, NW/4NE/4 Section 28, Township 2 eage Assigned to Well Unit Configuration (N/2, SE/4, etc.)
Objective Formation(s) Formation Code Spacing Order Number(s) Unit Acre NIOBRARA NBRR	720 GWA
NODIATA	

Date Run: 6/22/2017 Doc [#401257833] Well Name: Hullabaloo State Y21-756

DRILLING PROGRAM								
Proposed Total	Proposed Total Measured Depth: 17146 Feet							
Distance from	Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:							
Enter distance	if less than or	equal to 1,500 feet	: 300	Feet No	well belonging t	o another oper	ator within 1,	500 feet
	oop drilling syst		'es					
			 red durina d	Irilling operations at	t concentrations	greater than		
or equal to 100				ing Operations Plar		7.		
TOTAL SUPPLEMENTATION SERVICE		ered during drilling		9				
		CI) drilling fluids b		No				
	drilling fluids be		- 4004					
200700000000000000000000000000000000000		E Vot Sev	—	Ram ▼ Bo	tating Head	☐ None	,	
	HIGH CONTROL HOUSE WAS AND A STREET	nnular Preventor			100	400000000		
GROUNDWA	TER BASE	LINE SAMPLIN	G AND M	ONITORING A	ND WATER W	ELL SAMP	LING	
Water well sa	mpling required	per Rule 318	A					
DRILLING W	ASTE MAN	AGEMENT PRO	OGRAM					
				uids Disposal Meth	ods: Commercia	l Disnosal		
Drilling Fluids		OFFSITE	J. 100			V102A		
Cuttings Disp	Action To the	SITE	Cut	tings Disposal Met	nod: Commercia	Disposai		
	al Description:							
Drilling waste	disposal inform	nation added to ad	dress non-o	il based mud and fl	uids used in non	-producing por	tion of wellbo	е.
Beneficial r	euse or land a	pplication plan sub	mitted?Y	/es	V 12			
Reuse Fa	cility ID:	or Do	cument Nun	nber: 2614238				
				19	T FA			
CASING PR	OGRAM							
Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	26	16	42	0	1950	6	1950	0
SURF	13+3/4 8+1/2	9+5/8 5+1/2	36 20	0	17146	2237	1550	
1ST	Casing is NOT	transcensificación de	20	0	1,1,1,0			
	1220		VOEDTIO	MC		100		
Pages		K LOCATION E	XCEP NO	ONO				
Check all that apply:								
Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)								
Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of								
Rule 604.a.)								
Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)								
Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)								
Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)								
GREATER WATTENBERG AREA LOCATION EXCEPTIONS								
paratrial and the second of th	Check all that apply:							
Rule 318A.a. Exception Location (GWA Windows).								

Date Run: 6/22/2017 Doc [#401257833] Well Name: Hullabaloo State Y21-756

▼ Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

Rule	502.b. Variance Request	from COGCC Rule or Spacing Order Number			
OTHER L	OCATION EXCEPTI	ONS			
Check all tha	at apply:				
☐ Rule 3	318.c. Exception Location	from Rule or Spacing Order Number			
Rule 6	603.a.(2) Exception Loca	tion (Property Line Setback).			
ALL excep waivers, c	otions and variances requertifications, SUAs).	ire attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g.			
OPERATO	OR COMMENTS AN	D SUBMITTAL			
Comments	Y16-28 Multi, 6-well pad consists of: Hullabaloo State Y21-763 Ref, doc no. 401257533, Hullabaloo State Y21-756, doc no. 401257833, Rubicon State Y16-763, doc no. 401257839, Rubicon State Y16-757, doc no. 401257872, Rubicon State Y16-751, doc no. 401257883, Rubicon State Y16-744, doc no. 401257887. Noble Energy shall isolate both the Fox Hills and Upper Pierre Aquifers with surface casing from hydrocarbon bearing zones and exposure to oil based drilling fluid. Noble Energy also agrees to not expose the Upper Pierre Aquifer to oil based mud. Nearest well in same formation and Nearest well belonging to another Operator = Stonebraker 28U-234, API No. 05-123-36279, PDC Energy, 300'. Méasurement of distance to nearest well calculated using COGIS data. Please see Page 5, Section 6 of the attached Surface Use Agreement for exception location waiver language to COGCC Rule 318A.a. to locate any well outside of the GWA window.				
This applica	ation is in a Comprehens	ve Drilling Plan CDP #:			
Location ID	:				
Is this appl	ication being submitted v	with an Oil and Gas Location Assessment application?			
I hereby ce	ertify all statements made	in this form are, to the best of my knowledge, true, correct, and complete.			
E	Tally san electrical transfer				
Signed:		Print Name: Susan Miller			
Title:	Regulatory Analyst	Date: 6/7/2017 Email: Regulatorynotification@nblener			
Based on th	e information provided he by approved.	erein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders			
COGCC Ap	proved:	Director of COGCC Date:			
-		Expiration Date:			
	API NUMBER				
05					
		Conditions Of Approval			
All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.					
COA Type	1	Description			

	DMD/OOA Torre	Best Management Practices
	BMP/COA Type	<u>Description</u>
1	Planning	Anti-collision: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed well path with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an asconstructed gyro survey will be submitted to COGCC with the Form 5. Bradenhead Monitoring:
		Operator will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. The Colorado Oil and Gas Conservation Commission has established this Policy regarding Bradenhead monitoring during Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC Rule 207.a. Policy. This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.
2	Planning	When Running an Open Hole Log on the Pad: One of the first wells drilled on the pad will be logged with open hole Resistivity Log and Gamma Ray Log from the kick-off point into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run and have those logs attached. The Form 5 for a well without open-hole logs shall clearly state "No open-hole logs were run" and shall clearly identify (by API#, well name & number) the well in which open hole logs were run.
3	General Housekeeping	General housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur, prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
4	Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) and General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location and will remain in place until the pad reaches final reclamation.
5	Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
6	Drilling/Completion Operations	BOPE Testing for Drilling Operations: If a skid is performed for the subject well, then the only required BOPE tests are for the BOPE connection bonnet seal breaks, as long as a full BOPE test was performed at the beginning of the pad, and as long as all necessary BOPE tests are completed at least every 30 days during the pad operations.

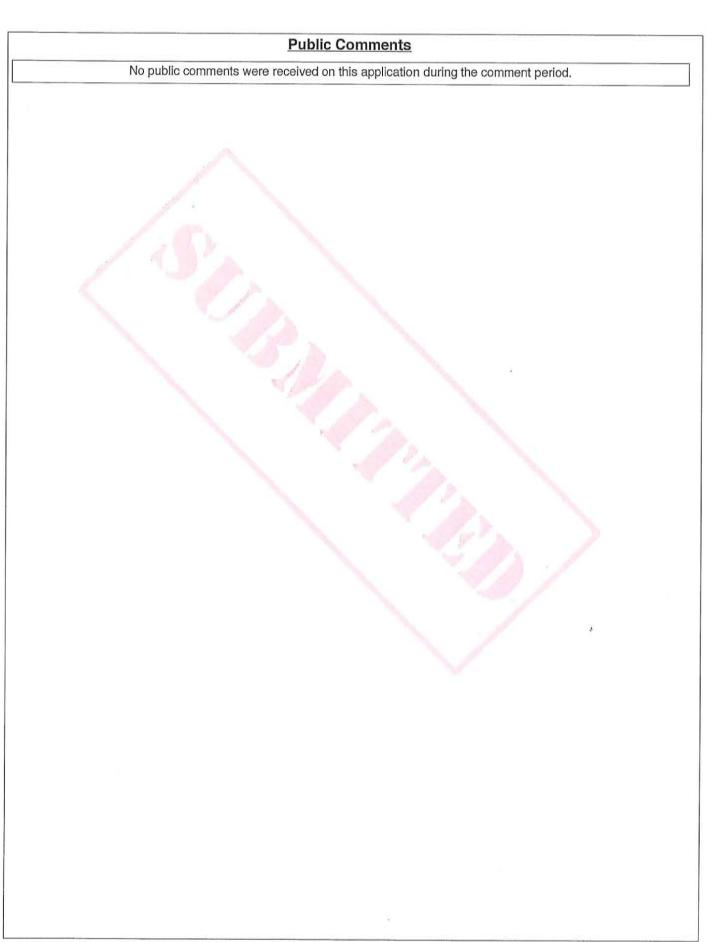
Attachment Check List Att Doc Num Name 401257833 FORM 2 SUBMITTED 401283758 OffsetWellEvaluations Data 401283765 DEVIATED DRILLING PLAN 401283767 WELL LOCATION PLAT 401283770 DIRECTIONAL DATA 401283774 PROPOSED SPACING UNIT 401283839 SURFACE AGRMT/SURETY 401291794 **EXCEPTION LOC REQUEST** 401315824 SURFACE AGRMT/SURETY

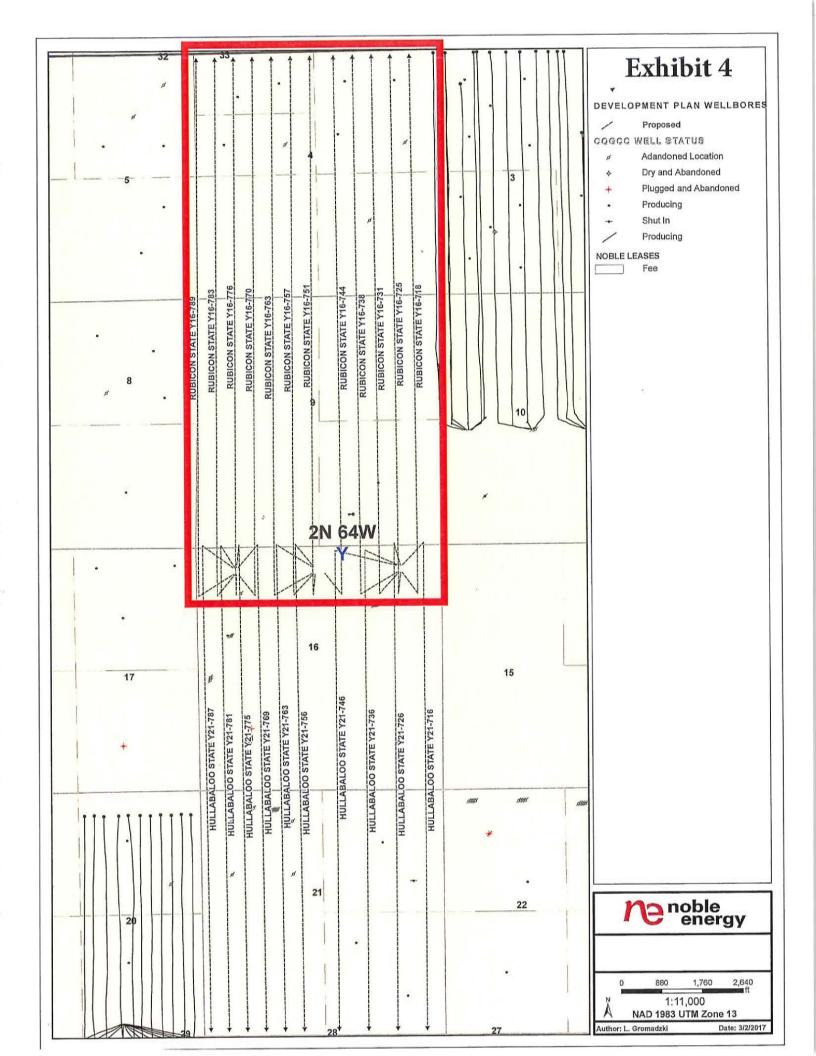
Total Attach: 9 Files

General Comments

User Group	Comment		Comment Date
		*(F)	Stamp Upon Approval

Total: 0 comment(s)





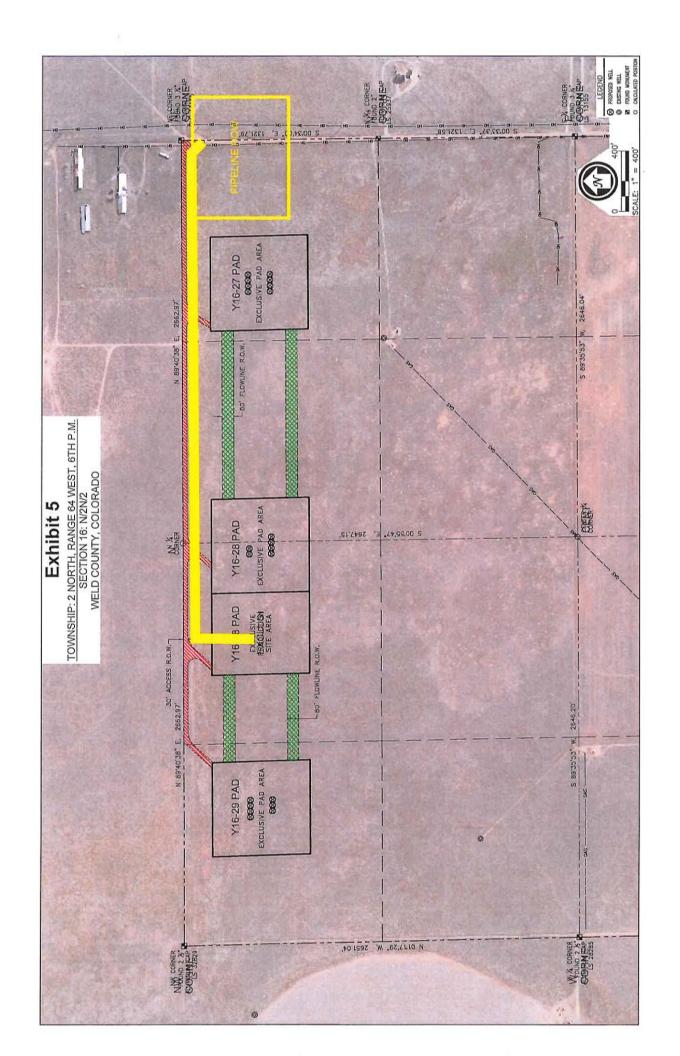


Exhibit 6



Red boxes indicate surface locations

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF COLORADO

IN THE MATTER OF THE APPLICATION OF NOBLE ENERGY, INC. - OPERATOR NO. 100322 – FOR AN ORDER TO DENY EIGHT (8) OF VERDAD RESOURCES, LLC'S FORM 2 APPLICATIONS FOR PERMIT TO DRILL FOR THE HP FARMS 02N-64W-04-1H WELL (DOCUMENT NUMBER 401208875). FARMS 02N-64W-04-2H WELL (DOCUMENT NUMBER 401209991), HP FARMS 02N-64W-04-3H WELL (DOCUMENT NUMBER 401210033), **FARMS** 02N-64W-04-4H (DOCUMENT NUMBER 401210053). HP FARMS 02N-64W-04-5H WELL (DOCUMENT NUMBER 401210074), HP FARMS 02N-64W-04-6H WELL (DOCUMENT NUMBER 401210095), HP **FARMS** 02N-64W-04-7H WELL (DOCUMENT NUMBER 401210141) AND HP FARMS 02N-64W-04-8H WELL (DOCUMENT NUMBER 401210120) WITH THE SURFACE HOLE LOCATION IN SECTION 4, TOWNSHIP 2 NORTH. RANGE 64 WEST AND THE BOTTOM HOLE LOCATION IN SECTION 9, TOWNSHIP 2 RANGE 64 WEST. NORTH. COUNTY, WATTENBERG FIELD, WELD COLORADO PURSUANT TO RULE 503.b.(10) AND THE COLORADO OIL AND GAS **CONSERVATION ACT**

CAUSE NO. 1

DOCKET NO.

TYPE:GENERAL ADMINISTRATIVE

AFFIDAVIT OF MAILING

STATE OF COLORADO)
)ss.
CITY AND COUNTY OF DENVER)

I, Jamie L. Jost, of lawful age, and being first duly sworn upon my oath, state and declare that I am the attorney for Noble Energy, Inc., and that on or before the day of 2017, I caused a copy of the Application to be deposited in the United States Mail, postage prepaid, addressed to the parties listed on Exhibit A to this Affidavit.

Jamie L. Jost

Subscribed and sworn to before me this The day of July	_2017.
Witness my hand and official seal.	
[SEAL] My commission expires: May 4, 2000	KYLIE CHUPP NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20164017699 MY COMMISSION EXPIRES MAY 6, 202
Notary Public Notary Public	

Exhibit A to Affidavit of Mailing

Verdad Resources LLC ATTN: Kenny Trueax 5950 Cedar Springs Road Dallas, Texas 75235

Verdad Resources LLC ATTN: Kenny Trueax 1401 17th Street, Suite 925 Denver, Colorado 80202