

FORM
2
Rev
12/20

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:

402622570

(SUBMITTED)

Date Received:

04/01/2021

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter Recomplete and Operate

Amend

Refile

Sidetrack

TYPE OF WELL OIL GAS COALBED OTHER: _____
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Well Name: GP CBJ FED Well Number: 17W-25-05
Name of Operator: EXTRACTION OIL & GAS INC COGCC Operator Number: 10459
Address: 370 17TH STREET SUITE 5200
City: DENVER State: CO Zip: 80202
Contact Name: JEFFREY ANNABLE Phone: (720)354-4590 Fax: ()
Email: JANNABLE@EXTRACTIONOG.COM

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20130028

WELL LOCATION INFORMATION

Surface Location

QtrQtr: NENE Sec: 20 Twp: 5N Rng: 65W Meridian: 6
Footage at Surface: 714 Feet FNL/FSL 1255 Feet FEL/FWL FEL
Latitude: 40.389901 Longitude: -104.682328
GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: PDOP Date of Measurement: 03/02/2021
Ground Elevation: 4673
Field Name: WATTENBERG Field Number: 90750

Well Plan: is Directional Horizontal (highly deviated) Vertical

If Well plan is Directional or Horizontal attach Deviated Drilling Plan and Directional Data.

Subsurface Locations

Top of Productive Zone (TPZ)

Sec: 17 Twp: 5N Rng: 65W Footage at TPZ: 550 FSL 1277 FEL
Measured Depth of TPZ: 7427 True Vertical Depth of TPZ: 6927 FNL/FSL FEL/FWL

Base of Productive Zone (BPZ)

Sec: 15 Twp: 5N Rng: 65W Footage at TPZ: 550 FSL 460 FEL
Measured Depth of TPZ: 18810 True Vertical Depth of TPZ: 6927 FNL/FSL FEL/FWL

Bottom Hole Location (BHL)

Sec: 15 Twp: 5N Rng: 65W Footage at BHL: 550 FSL 460 FEL
FNL/FSL FEL/FWL

LOCAL GOVERNMENT PERMITTING INFORMATION

County: WELD Municipality: Greeley

Is the Surface Location of this Well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108 C.R.S.? No

Per § 34-60-106(1)(f)(I)(A) C.R.S., the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas Location.

SB 19-181 provides that when "applying for a permit to drill," operators must include proof that they sought a local government siting permit and the disposition of that permit application, or that the local government does not have siting regulations. § 34-60-106(1)(f)(I)(A) C.R.S.

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this Location? Yes No

If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.

The disposition of the application filed with the Relevant Local Government is: Approved Date of Final Disposition: 07/08/2019

Comments: AMENDED USE BY SPECIAL REVIEW WAS APPROVED ON 7/8/19. CITY OF GREELEY APPROVED REPURPOSING WELLS ON PAD VIA EMAIL ON 2/26/21.

SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS LOCATION

Surface Owner of the land at this Well's Oil and Gas Location: Fee State Federal Indian

Mineral Owner beneath this Well's Oil and Gas Location: Fee State Federal Indian

Surface Owner Protection Financial Assurance (if applicable): _____ Surety ID Number (if applicable): _____

MINERALS DEVELOPED BY WELL

The ownership of all the minerals that will be developed by this Well is (check all that apply):

- Fee
 State
 Federal
 Indian
 N/A

LEASE INFORMATION

Using standard QtrQtr, Section, Township, Range format describe one entire mineral lease as follows:

* If this Well is within a unit, describe a lease that will be developed by the Well.

* If this Well is not subject to a unit, describe the lease that will be produced by the Well.

(Attach a Lease Map or Lease Description or Lease if necessary.)

TOWNSHIP 5 NORTH, RANGE 65 WEST
SECTION 16: NESW

Total Acres in Described Lease: 40 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

SAFETY SETBACK INFORMATION

Distance from Well to nearest:

Building: 471 Feet
Building Unit: 471 Feet
Public Road: 283 Feet

INSTRUCTIONS:

- Specify all distances per Rule 308.b.(1).
- 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.

Above Ground Utility: 475 Feet

- Building Unit – as defined in 100 Series Rules.

Railroad: 508 Feet

Property Line: 263 Feet

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
NIOBRARA	NBRR	407-2896	800	T5N R65W: Sec. 17-SE4; Sec. 15 & 16-S2

Federal or State Unit Name (if appl): _____

Unit Number: _____

SUBSURFACE MINERAL SETBACKS

Enter 5280 for distance greater than 1 mile.

Is this Well within a unit? Yes

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: 460 Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: 411 Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: _____ Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: _____ Feet

Exception Location

If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers. _____

SPACING & FORMATIONS COMMENTS

DRILLING PROGRAMProposed Total Measured Depth: 18810 Feet TVD at Proposed Total Measured Depth 6927 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: 99 Feet No well belonging to another operator within 1,500 feetWill a closed-loop drilling system be used? YesIs 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 Plan unless a plan was already submitted with the Form 2A per Rule 304.c.(10).Will there be hydraulic fracture treatment at a depth less than 2,000 feet in this well? NoWill salt sections be encountered during drilling? NoWill salt based (>15,000 ppm Cl) drilling fluids be used? NoWill oil based drilling fluids be used? YesBOP Equipment Type: Annular Preventor Double Ram Rotating Head None

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24	16	N/A	42	0	80	100	80	0
SURF	12+1/4	9+5/8	J-55	36	0	1500	400	1500	0
1ST	8+1/2	5+1/2	P-110	20	0	18810	2522	18810	1500

 Conductor Casing is NOT planned**POTENTIAL FLOW AND CONFINING FORMATIONS**

Zone Type	Formation /Hazard	Top M.D.	Top T.V.D.	Bottom M.D.	Bottom T.V.D.	TDS (mg/L)	Data Source	Comment
Groundwater	Fox Hills	0	0	852	852	1001-10000	Field Scout Card	Sample Site ID#766287
Confining Layer	Parkman	3746	3675	4186	4101			
Hydrocarbon	Sussex	4187	4102	4909	4801			Not Commercial.
Hydrocarbon	Shannon	4910	4802	6971	6759			Not Commercial.
Confining Layer	Sharon Springs	6972	6760	6996	6776			
Hydrocarbon	Niobrara	6997	6777	18810	6927			

OPERATOR COMMENTS AND SUBMITTAL

Comments

The distance to the completed portion of the nearest well on the "Spacing & Formations" tab was measured to Extraction's proposed GP CBJ FED 17W-25-04 (DOC # 402622567). This distance was measured in 2-dimensional space.

The distance to the nearest well belonging to another operator on the "Drilling & Waste Plans" tab was measured to LORENZ #15-15 (API #05-123-21321). This distance was measured in 3-dimensional space. The completed portion of this offset wellbore is less than 150' from the completed portion of the proposed wellbore, a waiver of COGCC Rule 408.u.(1): Statewide Setback for Hydraulic Fracturing Treatment signed by Noble is attached as STIMULATION SETBACK CONSENT.

Changes made to the permit: Bottom hole/lateral moved to different sections, Surface hole moved to a different location on the pad updated offset well evaluation, updated cultural distances.

Location has been constructed.

This application is in a Comprehensive Area Plan _____

CAP #: _____

Oil and Gas Development Plan Name _____

OGDP ID#: _____

Location ID: 332837

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: JEFFREY ANNABLE

Title: EHSR ASSET COORDINATOR Date: 4/1/2021 Email: JANNABLE@EXTRACTIONOG

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: _____ Director of COGCC Date: _____ Expiration Date: _____

API NUMBER
05 123 24173 00

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.

Table with 2 columns: COA Type, Description

Best Management Practices

Table with 2 columns: No BMP/COA Type, Description. Contains 2 rows of drilling operations with detailed descriptions.

Total: 2 comment(s)

Attachment List

Att Doc Num	Name
402644029	OffsetWellEvaluations Data
402644421	SURFACE AGRMT/SURETY
402644427	DEVIATED DRILLING PLAN
402644428	DIRECTIONAL DATA
402644430	WELL LOCATION PLAT
402645592	STIMULATION SETBACK CONSENT

Total Attach: 6 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.

