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

IN THE MATTER OF THE PROMULGATION) CAUSE NO. AND ESTABLISHMENT OF FIELD RULES) TO GOVERN OPERATIONS FOR THE) DOCKET NO. 180900682 NIOBRARA AND CODELL FORMATIONS,) WATTENBERG FIELD, WELD COUNTY,) TYPE: SPACING COLORADO)

AMENDED APPLICATION

PDC Energy, Inc. (Operator No. 69175) ("PDC" or "Applicant"), by and through its attorneys Burns, Figa & Will, P.C., respectfully submits this **AMENDED** Application to the Oil and Gas Conservation Commission of the State of Colorado (the "Commission") for an order to: establish an approximate 1,160-acre drilling and spacing unit for the Application Lands for the production of oil, gas, and associated hydrocarbons from the Niobrara and Codell Formations, and approve up to nineteen (19) horizontal wells drilled from a maximum of two (2) well pads for the production of oil, gas, and associated hydrocarbons from the Niobrara and Codell Formations on the following described lands:

<u>Township 4 North, Range 64 West, 6th P.M.</u> Section 5: S¹/₂SW¹/₄ Section 6: S¹/₂S¹/₂ Section 7: N¹/₂, N¹/₂S¹/₂, S¹/₂SE¹/₄, SE¹/₄SW¹/₄ Section 8: W¹/₂

Weld County, Colorado (containing a total of approximately 1,160 acres)

Referred to herein as the "Application Lands." A reference map depicting the Application Lands is attached hereto and marked as <u>Exhibit B</u>.

In support of its Application, PDC states and alleges as follows:

1. PDC is a corporation duly authorized to do business in Colorado and is registered as an operator in good standing with the Commission.

2. PDC is an Owner with the right to drill into and produce from the Application Lands.

3. On April 27, 1998, the Commission adopted Rule 318A, the Greater Wattenberg Area Special Well Location, Spacing and Unit Designation Rule. Sections 5, 6, 7, and 8, Township 4 North, Range 64 West, 6th P.M., are subject to this rule for the Niobrara and Codell Formations.

4. On February 19, 1992, the Commission entered Order No. 407-87 (amended August 20, 1993) which, among other things, established 80-acre drilling and

spacing units for the production of oil, gas, and associated hydrocarbons from the Codell-Niobrara Formations, the Codell Formation, and the Niobrara Formation underlying certain lands, including Sections 5, 6, 7, and 8, Township 4 North, Range 64 West, P.M., with the permitted well locations in accordance with the provisions of Order 407-1.

5. On May 16, 2011, the Commission entered Order No. 407-399, which, among other things, established an approximate 400-acre wellbore spacing unit for the Lower Latham PC G #12-69HN Well (API No. 05-123-33583) consisting of the SW¼SW¼ of Section 6 and the NW¼NW¼ of Section 7, Township 4 North, Range 64 West, 6th P.M., and the S½S½ of Section 1 and the N½N½ of Section 12, Township 4 North, Range 65 West, 6th P.M., for the production of oil, gas, and associated hydrocarbons from the Niobrara Formation. PDC excludes from this Application the Lower Latham PC G #12-69HN Well and asserts that the production and payments from the Lower Latham PC G #12-69HN Well should be maintained under the authority of Order No. 407-399 and other applicable Commission orders and rules.

6. Also on May 16, 2011, the Commission entered Order No. 407-403, which, among other things, established an approximate 320-acre wellbore spacing unit for the Frick C #17-79HN Well (API No. 05-123-33279) consisting of the E½SE¼ of Section 7, W½SW¼ of Section 8, W½NW¼ of Section 17, and the E½NE¼ of Section 18, Township 4 North, Range 64 West, 6th P.M., for the production of oil, gas, and associated hydrocarbons from the Niobrara Formation. PDC excludes from this Application the Frick C #17-79HN Well and asserts that production and payments from the Frick C #17-79HN Well should be maintained under the authority of Order No. 407-403 and other applicable Commission orders and rules.

7. Also on May 16, 2011, the Commission entered Order No. 407-404, which, among other things, established an approximate 320-acre wellbore spacing unit for the Franklin C #17-69HN Well (API No. 05-123-33241) consisting of the S½S½ of Section 8 and the N½N½ of Section 17, Township 4 North, Range 64 West, 6th P.M., for the production of oil, gas, and associated hydrocarbons from the Niobrara Formation. PDC excludes from this Application the Franklin C #17-69HN Well and asserts that production and payments from the Franklin C #17-69HN Well should be maintained under the authority of Order No. 407-404 and other applicable Commission orders and rules.

8. Also on May 16, 2011, the Commission entered Order No. 407-406, which, among other things, established an approximate 320-acre wellbore spacing unit for the Franklin C #08-62HN Well (API No. 05-123-33244) consisting of the S1⁄2 of Section 8, Township 4 North, Range 64 West, 6th P.M., for the production of oil, gas, and associated hydrocarbons from the Niobrara Formation. PDC excludes from this Application the Franklin C #08-62HN Well and asserts that production and payments from the Franklin C #08-62HN Well and asserts that production and payments from the Franklin C #08-62HN Well should be maintained under the authority of Order No. 407-406 and other applicable Commission orders and rules.

9. On August 8, 2011, the Commission entered Oder No. 407-465, which, among other things, established an approximate 400-acre wellbore spacing unit for the

Schmidt PC C #06-79HN Well (API No. 05-123-34238) consisting of the W½W½ of Section 6, Township 4 North, Range 64 West, 6th P.M., the E½E½ of Section 1, Township 4 North, Range 65 West, 6th P.M., the SW¼SW¼ of Section 31, Township 5 North, Range 64 West, 6th P.M., and the SE¼SE¼ of Township 5 North, Range 65 West, 6th P.M., for the production of oil, gas, and associated hydrocarbons from the Niobrara Formation. PDC excludes from this Application the Schmidt PC C #06-79HN Well and asserts that production and payments from the Schmidt PC C #06-79HN Well should be maintained under the authority of Order No. 407-465 and other applicable Commission orders and rules.

10. On October 31, 2011, the Commission entered Order No. 407-488, which, among other things, established an approximate 320-acre wellbore spacing unit for the Northrup C08-75HN Well (API No. 05-123-34263) consisting of the $W_{2}^{\prime}E_{2}^{\prime}$ and the $E_{2}^{\prime}W_{2}^{\prime}$ of Section 8, Township 4 North, Range 64 West, 6th P.M., for the production of oil, gas, and hydrocarbons from the Niobrara Formation. PDC excludes from this Application the Northrup C08-75HN Well should be maintained under the authority of Order No. 407-488 and other applicable Commission orders and rules.

11. As of the date of this Application, the COGCC has not published any additional orders affecting spacing of the Application Lands.

12. The Application Lands currently contain forty-four (44) wells designated as producing, shut in, or temporarily abandoned, according to COGIS records, and a list of these wells is attached as <u>Exhibit C</u> ("Existing Wells"). PDC excludes from this Application all Existing Wells located on the Application Lands as of the date of this Application, to the extent they are still producing, and asserts that the production and payments from the Existing Wells should be maintained under the authority of all applicable Commission rules and orders.

IN THIS APPLICATION, PDC REQUESTS APPROVAL TO DRILL 13. NINETEEN (19) WELLS FOR THE PRODUCTION OF HYDROCARBONS FROM THE NIOBRARA AND CODELL FORMATIONS. IN NOVEMBER 2017, COGCC PERMITTING APPROVED PDC'S 19 CHALLENGER AND JAGGED WELLS (LISTED BELOW) FOR DEVELOPMENT IN WELLBORE SPACING UNITS. PDC NOW **REQUESTS THAT COGCC PERMITTING VACATE THE 19 WELLBORE SPACING** UNITS ESTABLISHED UNDER COGCC RULE 318A.a.(4)D FOR THE BELOW-LISTED CHALLENGER AND JAGGED WELLS AND FURTHER REQUESTS THAT THE COMMISSION APPROVE DRILLING AND DEVELOPMENT OF THE BELOW-LISTED WELLS WITHIN THE APPROXIMATE 1,160-ACRE DRILLING AND SPACING UNIT REQUESTED IN THIS APPLICATION. AS OF THE DATE OF THIS AMENDED APPLICATION, NONE OF THESE WELLS HAVE BEEN DRILLED. PDC SUBMITTED A SUNDRY NOTICE/FORM 4 FOR EACH OF THE FOLLOWING WELLS TO AMEND EACH WELL'S SPACING UNIT TO CONFORM WITH THE APPROXIMATE 1,160-ACRE DRILLING AND SPACING UNIT CONSISTING OF THE APPLICATION LANDS.

A. CHALLENGER 1N WELL (API NO. 05-123-45890); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

B. CHALLENGER 2N WELL (API NO. 05-123-45891); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

C. CHALLENGER 3N WELL (API NO. 05-123-45889); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

D. CHALLENGER 4N WELL (API NO. 05-123-45896); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

E. CHALLENGER 5N WELL (API NO. 05-123-45895); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

F. CHALLENGER 6N WELL (API NO. 05-123-45893); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

G. CHALLENGER 7N WELL (API NO. 05-123-45897); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

H. CHALLENGER 8N WELL (API NO. 05-123-45894); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

I. CHALLENGER 9N WELL (API NO. 05-123-45892); PDC FILED APD/FORM 2 JULY 12, 2017, COGCC PERMITTING APPROVED NOVEMBER 17, 2017.

J. JAGGED 1N (API NO. 05-123-45878); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

K. JAGGED 2N (API NO. 05-123-45879); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

L. JAGGED 3N (API NO. 05-123-45880); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017. M. JAGGED 4N (API NO. 05-123-45883); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

N. JAGGED 5N (API NO. 05-123-45881); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

O. JAGGED 6N (API NO. 05-123-45887); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

P. JAGGED 7N (API NO. 05-123-45885); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

Q. JAGGED 8N (API NO. 05-123-45884); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

R. JAGGED 9C (API NO. 05-123-45886); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

S. JAGGED 10N (API NO. 05-123-45882); PDC FILED APD/FORM 2 AUGUST 8, 2017; COGCC PERMITTING APPROVED NOVEMBER 16, 2017.

14. The proposed approximate 1,160-acre drilling and spacing unit is not smaller than the maximum area that can be economically and efficiently drained by the proposed wells.

15. PDC requests that the Commission approve the development of up to nineteen (19) horizontal wells in the proposed approximate 1,160-acre drilling and spacing unit for the production of oil, gas, and associated hydrocarbons from the Niobrara and Codell Formations. The proposed wells will be drilled from surface locations described in Rule 318A or on other lands with consent of the landowner, unless an exception is granted by the Director. The wells will be stacked by formation to comply with the minimum distances from the outer boundaries of the proposed drilling and spacing unit and from any other well producing from the Niobrara and Codell Formations.

16. Applicant states that, for any permitted wells to be drilled under this Application, the productive intervals of the wellbores shall be no less than 150 feet from the east and west unit boundaries, and no less than 460 feet from the north and south unit boundaries. Applicant further states that the interwell setbacks shall be no less than 150 feet from the productive interval of any other well producing from the Niobrara and Codell Formations unless an exception is granted by the Director.

17. Applicant states that any permitted wells will be drilled in an east-west orientation or a west-east orientation.

18. The proposed wells shall be drilled from a maximum of two (2) well pads located within the approximate 1,160-acre drilling and spacing unit, or on adjacent lands with consent of the landowner, unless an exception is granted by the Director.

19. The granting of this Application is in accordance with the Oil and Gas Conservation Act, C.R.S. § 34-60-101 et seq., and the Commission Rules.

20. PDC requests that the relief granted under this Application be effective upon oral order of the Commission, and PDC hereby agrees to be bound by such oral order.

21. The names of the interested parties, according to PDC's information and belief, are set forth in the attached <u>Exhibit A</u>, and the undersigned certifies that copies of this Application will be served on each interested party at least thirty-five (35) days in advance of any Commission hearing at which the matter will first be heard, pursuant to Rule 507.

WHEREFORE, PDC respectfully requests that this matter be set for hearing at the next available opportunity, that notice be given as required by law, and that the Commission enter an Order to:

- A. Establish an approximate 1,160-acre drilling and spacing unit for the Application Lands and approve up to nineteen (19) horizontal wells in the proposed unit, for production of oil, gas, and associated hydrocarbons from the Niobrara and Codell Formations;
- B. Require the productive interval of the wellbore of any permitted wells in the unit to be located no closer than 150 feet from the east and west unit boundaries, and no closer than 460 feet from the north and south unit boundaries;
- C. Require that the productive interval of the wellbore of any permitted wells in the unit be located no closer than 150 feet from the productive interval of any other wellbore located in the unit; and
- D. Provide that the wells shall be drilled from a maximum of two (2) well pads within the unit subject to Rule 318A or on adjacent lands, unless an exception is granted by the Director.

DATED this 13th DAY OF AUGUST, 2018.

Respectfully submitted,

PDC ENERGY, INC

Michael T. Jewell, Esq. #40902 Courtney M. Shephard, Esq. #47668

Burns, Figa & Will, P.C. 6400 S. Fiddler's Green Circle – Suite 1000 Greenwood Village, CO 80111

PDC Energy, Inc. Mr. Daniel R. McCoy 1775 Sherman Street - Suite 3000 Denver, CO 80203

VERIFICATION

STATE OF COLORADO

SS.

CITY AND COUNTY OF DENVER

55.

The undersigned, of lawful age, having been first sworn upon his oath, deposes and states that:

1. He is a Regional Landman for PDC Energy, Inc., whose address is 1775 Sherman Street, Suite 3000, Denver, CO 80203.

2. He has read the within application, is familiar with the facts set forth therein, and states that said facts are true and correct to the best of his knowledge and belief.

Further Affiant sayeth not.

Daniel R. McCoy

Subscribed and sworn to before me this 13^{44} day of August, 2018.

TRACIE OWENS-YATES Notary Public State of Colorado Notary ID # 20054039521 My Commission Expires 03-05-2022

<u>Exhibit A</u>

Interested Party List Spacing Application

Township 4 North, Range 64 West, 6th P.M. Section 5: S½SW¼ Section 6: S½S½ Section 7: N½, N½S½, S½SE¼, SE¼SW¼ Section 8: W½

PDC Energy, Inc.	Weld County Department of Planning Services
Colorado Parks and Wildlife	Colorado Department of Public Health & Environment
Incline Niobrara Partners, LP	Jim Wright
NOBLE ENERGY WYCO, LLC	NOBLE ENERGY, INC.

<u>Exhibit B</u>

Reference Map of Application Lands

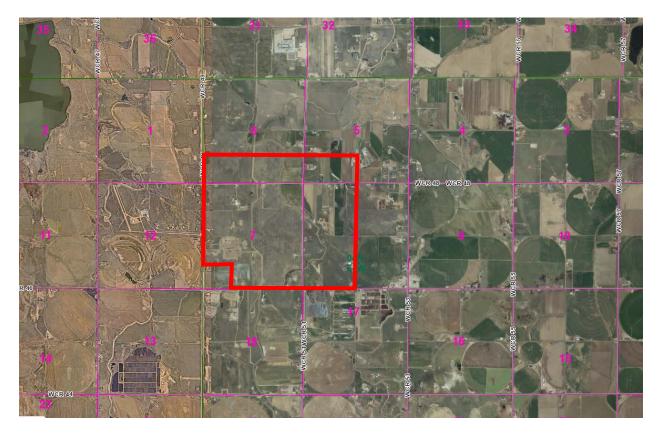


Exhibit C

Existing Wells on Application Lands

API	Well Name	Operator	Status	Well Location	Scout Card Order Information
05-123- 22181	HINKLE 24-5	PDC ENERGY INC 69175	SI 9/1/2017	WELD 123 SESW 5 4N 64W 6	407-6
05-123- 17448	DIETRICH 6-16	NOBLE ENERGY INC 100322	SI 9/1/2017	WELD 123 SESE 6 4N 64W 6	407-87
05-123- 19807	DINNER 6-34	NOBLE ENERGY INC 100322	SI 5/1/2017	WELD 123 SESW 6 4N 64W 6	407-1
05-123- 24010	Dietrich C 06-23	NOBLE ENERGY INC 100322	SI 5/1/2017	WELD 123 SWSE 6 4N 64W 6	407-87; 232- 23
05-123- 11921	LEY 1	NOBLE ENERGY INC 100322	PR 4/1/2017	WELD 123 SWSE 6 4N 64W 6	Rule 318A
05-123- 25457	DINNER 6-35	NOBLE ENERGY INC 100322	SI 11/1/201 7	WELD 123 SWSW 6 4N 64W 6	407-87
05-123- 26791	DIETRICH C 8-32D	NOBLE ENERGY INC 100322	PR 5/1/2017	WELD 123 NENE 7 4N 64W 6	407-87
05-123- 13183	DIETRICH RC 7-1	NOBLE ENERGY INC 100322	SI 9/1/2017	WELD 123 NENE 7 4N 64W 6	None
05-123- 27159	DIETRICH C 07-27D	NOBLE ENERGY INC 100322	PR 5/1/2017	WELD 123 NENE 7 4N 64W 6	407-87
05-123- 26790	DIETRICH C 7-17	NOBLE ENERGY INC 100322	PR 5/1/2017	WELD 123 NENE 7 4N 64W 6	407-87
05-123- 26789	DIETRICH C 8-31D	NOBLE ENERGY INC 100322	SI 4/1/2018	WELD 123 NENE 7 4N 64W 6	407-87
05-123- 13708	GEMINI UPRR C 7-3	NOBLE ENERGY INC 100322	SI 3/1/2017	WELD 123 NENW 7 4N 64W 6	None
05-123- 13358	OCOMA C7-9	NOBLE ENERGY INC 100322	SI 3/1/2017	WELD 123 NESE 7 4N 64W 6	None

05-123-	Honebein	PDC ENERGY INC	PR	WELD 123	Rule 318A
40381	70-243	69175	3/5/2016	NESW 7 4N 64W 6	
05-123-	Honebein	PDC ENERGY INC	PR	WELD 123	Rule 318A
40375	7G-323	69175	2/26/201	NESW 7 4N	
			6	64W 6	
05-123-	Honebein	PDC ENERGY INC	PR	WELD 123	Rule 318A
40418	7K-323	69175	3/4/2016	NESW 7 4N	
				64W 6	
05-123-	Honebein	PDC ENERGY INC	PR	WELD 123	Rule 318A
40373	7K-243	69175	2/21/201	NESW 7 4N	
			6	64W 6	
05-123-	Honebein	PDC ENERGY INC	PR	WELD 123	Rule 318A
40378	7K-403	69175	2/28/201	NESW 7 4N	
			6	64W 6	
05-123-	Honebein	PDC ENERGY INC	PR	WELD 123	Rule 318A
40374	7G-203	69175	2/26/201	NESW 7 4N	
			6	64W 6	
05-123-	Honebein	PDC ENERGY INC	PR	WELD 123	Rule 318A
40380	7K-223	69175	3/6/2016	NESW 7 4N	
				64W 6	
05-123-	Dietrich	NOBLE ENERGY	PR	WELD 123	407-87; 232-
34355	C07-18D	INC	5/1/2017	NWNE 7 4N	23
		100322		64W 6	
05-123-	DIETRICH	NOBLE ENERGY	PR	WELD 123	None
14209	PM C	INC	5/1/2017	NWNE 7 4N	
	7-2	100322		64W 6	
05-123-	GEMINI C	NOBLE ENERGY	PR	WELD 123	407-87; 232-
23766	7-19	INC	6/1/2017	NWNW 7 4N	23
		100322		64W 6	
05-123-	GEMINI	NOBLE ENERGY	PR	WELD 123	None
13709	C7-4	INC	6/1/2017	NWNW 7 4N	
		100322		64W 6	
05-123-	WRIGHT-	NOBLE ENERGY	PR	WELD 123	407-87; Rule
28002	GOIN C	INC	2/2/2017	NWNW 7 4N	318A
	07-31D	100322		64W 6	
05-123-	WRIGHT-	NOBLE ENERGY	PR	WELD 123	407-87; Rule
28001	GOIN C	INC	12/5/200	NWNW 7 4N	318A
	07-28D	100322	8	64W 6	
05-123-	HONEBEI	PDC ENERGY INC	SI	WELD 123	232-23; 407-
26893	N	69175	4/1/2018	NWSW 7 4N	87; 493-2
	13-7U			64W 6	
05-123-	DIETRICH		SI	WELD 123	None
13184	RC	INC	9/1/2017	SENE 7 4N	
	7-8	100322		64W 6	

05-123-	GEMINI -	NOBLE ENERGY	SI	WELD 123	None
13711	UPRR	INC	3/1/2017	SENW 7 4N	1 tonio
	C 7-6	100322	0, 1,2011	64W 6	
05-123-	Franklin	NOBLE ENERGY	PR	WELD 123	407-87
33241	C17-69HN	INC	2/5/2014	SESE 7 4N	
		100322		64W 6	
05-123-	Franklin	NOBLE ENERGY	PR	WELD 123	407-87
33498	C18-27D	INC	12/12/20	SESE 7 4N	
		100322	11	64W 6	
05-123-	Franklin	NOBLE ENERGY	SI	WELD 123	407-87
33244	C08-	INC	11/1/201	SESE 7 4N	
	62HNX	100322	7	64W 6	
05-123-	OCOMA -	NOBLE ENERGY	SI	WELD 123	None
13390	UPRR	INC	1/1/2017	SESE 7 4N	
	C 7-16	100322		64W 6	
05-123-	LATHAM	PDC ENERGY INC	PR	WELD 123	407-87
19390	7-4	69175	5/31/200	SESW 7 4N	
			8	64W 6	
05-123-	CPC	NOBLE ENERGY	PR	WELD 123	None
11833	DIETRICH	INC	4/1/2018	SWNE 7 4N	
	7-1	100322		64W 6	
05-123-	GEMINI	NOBLE ENERGY	SI	WELD 123	None
13710	UPRR	INC	1/1/2018	SWNW 7 4N	
	C7-5	100322		64W 6	
05-123-	OCOMA C	NOBLE ENERGY	SI	WELD 123	Rule 318A
21332	7-23	INC	1/1/2017	SWSE 7 4N	
		100322		64W 6	
05-123-	RYDGREN	NOBLE ENERGY	PR	WELD 123	407-1
20445		INC	4/17/200	NESW 8 4N	
	8-31	100322	7	64W 6	
05-123-	COX PM	NOBLE ENERGY	SI	WELD 123	None
14172	C	INC	9/1/2017	NWNW 8 4N	
05 400	8-4	100322		64W 6	407.07.400
05-123-	Cox C	NOBLE ENERGY	PR	WELD 123	407-87; 499-
22520	08-19D	INC	9/19/200	NWNW 8 4N	1; 232-23
05 400			8	64W 6	407.07
05-123-	ENGLAND		SI	WELD 123	407-87
27160	0 2 4 7	INC	2/1/2017	NWSW 8 4N	
05 100	8-3-17 ENGLAND	100322 NOBLE ENERGY	SI	64W 6 WELD 123	407 97
05-123- 25347	ENGLAND	INC	2/1/2017	NWSW 8 4N	407-87
20047	8-35	100322	2/1/2017	64W 6	
05-123-	COX PM		SI	WELD 123	Nono
14174		NOBLE ENERGY INC	6/1/2017	SENW 8 4N	None
141/4	8-6	100322	0/1/2017	64W 6	
	0-0	100322		0400	

(05-123-	COX PM	NOBLE ENERGY	SI	WELD 123	None
	14173	С	INC	9/1/2017	SWNW 8 4N	
		8-5	100322		64W 6	