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

IN THE MATTER OF THE APPLICATION)	CAUSE NO.	
OF THE PROMULGATION AND)		
ESTABLISHMENT OF FIELD RULES TO)	DOCKET NO.	
GOVERN OPERATIONS FOR THE			
NIOBRARA FORMATION, WATTENBERG		TYPE:	POOLING
FIELD, WELD COUNTY, COLORADO)		

<u>APPLICATION</u>

PDC Energy, Inc. (Operator No. 69175) ("PDC"), by and through its attorneys, Burns, Figa, & Will, P.C., respectfully submits this Application to the Oil and Gas Conservation Commission of the State of Colorado (the "Commission") for an order applying the cost recovery provisions of C.R.S. § 34-60-116(7) to an additional party within four approximate 720.00-acre Wellbore Spacing Units, for the drilling of the Sandin 24C-201 well (API No. 05-123-44668), Sandin 24C-241 well (API No. 05-123-44664), Sandin 24C-301 well (API No. 05-123-44670), and the Sandin 24C-321 well (API No. 05-123-44661) (collectively, the "Wells"), for the development of the Niobrara formation on the following described lands:

Township 5 North, Range 65 West, 6th P.M.

Section 12: E½
Section 13: E½

Section 24: N½NE¼

Weld County, Colorado, containing approximately 720.00 acres ("Application Lands")

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. Rule 318A, as amended on August 8, 2011 addresses the drilling of horizontal wells under Rule 318A.a.(4)D. Rule 318A was originally established on April 27, 1998 to allow for certain drilling locations to drill or twin an existing well, deepen a well, or recomplete a well. Rule 318A also provided for the commingling of any or all of the Cretaceous Age formations from the Dakota formation to the surface. Rule 318A was first amended on December 5, 2005 to allow for interior infill and boundary wells and spacing units.

- 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 the Application Lands, with the permitted well locations in accordance with the provisions of Order 407-1.
- 5. On June 20, 2016, the Commission entered Order No. 407-1721, which, among other things, pooled all non-consenting interests in a 480-acre wellbore spacing unit for the SW1/4NW1/4, NW1/4SW1/4 of Section 17 and S1/2N1/2, N1/2S1/2 of Section 18, Township 5 North, Range 64 West, 6th P.M., and the SE¼NE¼, NE¼SE¼ of Section 13, Township 5 North, Range 65 West, 6th P.M., for the Schaumberg 17G-214 well (API No. 05-123-43089), from the Niobrara formation; pooled all non-consenting interests in two 400-acre wellbore spacing units for the W½NW¼ of Section 17 and N½ of Section 18. Township 5 North, Range 64 West, 6th P.M. and the E½NE¾ of Section 13, Township 5 North, Range 65 West, 6th P.M., for the Schaumberg 17F-202 well (API No. 05-123-43088) and the Schaumberg 17F-332 well (API No. 05-123-43087), from the Niobrara formation; pooled all non-consenting interests in a 240-acre wellbore spacing unit for the SW¼NW¼ of Section 17 and S½N½ of Section 18, Township 5 North, Range 64 West. 6th P.M., and the SE¼NE¼ of Section 13, Township 5 North, Range 65 West, 6th P.M., for the Schaumberg 17G-314 well (API No. 05-123-43090), from the Niobrara formation. Order No. 407-1721 is not affected by this Application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 6. On June 20, 2016, the Commission also entered Order No. 407-1722, which, among other things, pooled all non-consenting interests in three 480-acre wellbore spacing units for the SW¼NW¼, NW¼SW¼ of Section 17 and S½N½, N½S½ of Section 18, Township 5 North, Range 64 West, 6th P.M., and the SE¼NE¼, NE¼SE¼ of Section 13, Township 5 North, Range 65 West, 6th P.M., for the Cecil's Kersey Farm 17K-404 well (API No. 05-123-42904), from the Codell formation, and the Cecil's Kersey Farm 17K-204 well (API No. 05-123-42901) and the Cecil's Kersey Farm 17K-334 well (API No. 05-123-42900), from the Niobrara formation. Order No. 407-1722 is not affected by this Application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 7. On November 8, 2016, the Commission entered Order No. 407-1820, which, among other things, pooled all non-consenting interests in two 480-acre wellbore spacing units for the W½NW¼ of Section 17 and N½ of Section 18, Township 5 North, Range 64 West, 6th P.M., and the E½NE¼ of Section 13, Township 5 North, Range 65 West, 6th P.M., for the Schaumberg 17F-204 well (API No. 05-123-43091) and the Schaumberg 17F-334 well (API No. 05-123-43092), from the Niobrara formation. Order No. 407-1820 is not affected by this Application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 8. On November 8, 2016, the Commission also entered Order No. 407-1822, which, among other things, pooled all non-consenting interests in two 720-acre wellbore

spacing units for the W½W½ of Section 6 and W½W½ of Section 7, Township 5 North, Range 64 West, 6th P.M., the E½E½ of Section 1 and E½E½ of Section 12, Township 5 North, Range 65 West, 6th P.M., the SW¼SW¼ of Section 31, Township 6 North, Range 64 West, 6th P.M., and the SE¼SE¼ of Section 36, Township 6 North, Range 65 West, 6th P.M., for the Dunn 7i-201 well (API No. 05-123-42828) and the Dunn 7i-321 well (API No. 05-123-42823) well, from the Niobrara formation. Order No. 407-1822 is not affected by this application, and proceeds from any shared lands will be accounted for in the production of the Wells.

- 9. On June 21, 2017, the Commission entered Order No. 407-2066, which, among other things, pooled all non-consenting interests in three 480-acre wellbore spacing units for W½SW¼ of Section 17 and S½ of Section 18, Township 5 North, Range 64 West, 6th P.M., and the E½SE¼ of Section 13, Township 5 North, Range 65 West, 6th P.M., for the Gillham 18X-234 well (API (#05-123-43904), Gillham 18X-332 well (API No. 05-123-43908), and the Gillham 18X-104 well (API No. 05-123-43902), from the Niobrara formation. Order No. 407-2066 is not affected by this application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 10. Also on June 21, 2017, the Commission entered Order No. 407-2067, which, among other things, pooled all non-consenting interests in two 480-acre wellbore spacing units for the W½SW¼ of Section 17 and S½ of Section 18, Township 5 North, Range 64 West, 6th P.M., and the E½SE¼ of Section 13, Township 5 North, Range 65 West, 6th P.M., for the Cecils Kersey Farm 17B-214 well (API No. 05-123-43895) and Cecils Kersey Farm 17B-304 well (API No. 05-123-43894), from the Niobrara formation. Order No. 407-2067 is not affected by this application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 11. On August 10, 2017, the Commission entered Order No. 407-2159, which, among other things, pooled all interests in a 360-acre wellbore spacing unit for the E½E½ of Section 12, E½E½ of Section 13, and NE¼NE¾ of Section 24, Township 5 North, Range 65 West, 6th P.M., for the Sandin 24C-221 well (API No. 05-123-44665), from the Niobrara formation. Order No. 407-2159 is not affected by this application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 12. Also on August 10, 2017, the Commission entered Order No. 407-2160, which, among other things, pooled all interests in three 720-acre wellbore spacing units for the W½E½, E½W½ of Section 12, W½E½, E½W½ of Section 13, and NW¼NE¼, NE¼NW¼ of Section 24, Township 5 North, Range 65 West, 6th P.M., for the Sandin 24N-241 well (API No. 05-123-44667), Sandin 24N-301 well (API No. 05-123-44671), and Sandin 24N-221 well (API No. 05-123-44663), from the Niobrara formation. Order No. 407-2160 is not affected by this application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 13. Also on August 10, 2017, the Commission entered Order No. 407-2161, which, among other things, pooled all interests in a 360-acre wellbore spacing unit for the W½E½ of Section 12, W½E½ of Section 13, and NW¼NE¾ of Section 24, Township 5

North, Range 65 West, 6th P.M., for the Sandin 24N-321 well (API No. 05-123-44669), from the Niobrara formation. Order No. 407-2161 is not affected by this application, and proceeds from any shared lands will be accounted for in the production of the Wells.

- 14. Also on August 10, 2017, the Commission entered Order No. 407-2162, which, among other things, pooled all interests in two 720-acre wellbore spacing units for W½W½ of Section 7, W½W½ of Section 18, and NW¼NW¼ of Section 19, Township 5 North, Range 64 West, 6th P.M., and the E½E½ of Section 12, E½E½ of Section 13, and NE¼NE¼ of Section 24, Township 5 North, Range 65 West, 6th P.M., from the Codell and Niobrara formations. Order No. 407-2162 is not affected by this application, and proceeds from any shared lands will be accounted for in the production of the Wells.
- 15. Also on August 10, 2017, the Commission entered Order No. 407-2158 which, among other things, pooled all interests in the four approximate 720-acre horizontal Wellbore Spacing Units established for the Application Lands, for the Sandin 24C-201 well, Sandin 24C-241 well, Sandin 24C-301 well, and the Sandin 24C-321 well, for the development and operation of the Niobrara formation.
- 16. Pursuant to Rule 530, PDC requests an order to apply the cost recovery provisions of C.R.S. § 34-60-116(7)(b) to an additional party within the four approximate 720-acre horizontal Wellbore Spacing Units established for the Application Lands, for the Sandin 24C-201 well, Sandin 24C-241 well, Sandin 24C-301 well, and the Sandin 24C-321 well, for development and operation of the Niobrara formation.
- 17. PDC requests that the Commission's Order No. 407-2158 applying the cost recovery provisions of C.R.S. § 34-60-116(7) be applicable to the Sandin 24C-201 well, Sandin 24C-241 well, Sandin 24C-301 well, and the Sandin 24C-321 well, effective as of the earlier of the date of this Application, or the date that the costs specified in C.R.S. § 34-60-116(7)(b) are first incurred for the drilling of the Sandin 24C-201 well, Sandin 24C-241 well, Sandin 24C-301 well, and the Sandin 24C-321 well to the Niobrara formation on the Application Lands.
- 18. The granting of this Application is in accord with the Oil and Gas Conservation Act, C.R.S. § 34-60-101 et seq., and the Commission Rules.
- 19. 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.
- 20. The name of the additional interested party, according to the information and belief of PDC, is attached as Exhibit A. PDC certifies that copies of this Application will be served on all parties listed in Exhibit A, as indicated and required by Rule 507.b(2), within seven (7) days for the date hereof, and that at least thirty-five (35) days prior to the hearing on this matter, each such interest owner not already leased or voluntarily pooled will be offered the opportunity to lease, or to participate in the drilling of the Wells, and will be provided with the information required by Rule 530.

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:

- A. To apply the cost recovery provisions of C.R.S. § 34-60-116(7) to an additional party within four 720-acre Wellbore Spacing Units covering the Application Lands, established for the Sandin 24C-201 well (API No. 05-123-44664), Sandin 24C-241 well (API No. 05-123-44664), Sandin 24C-301 well (API No. 05-123-44670), and the Sandin 24C-321 well (API No. 05-123-44661), which were pooled by Order No. 407-2158; and
- B_a For such other findings and orders as the Commission may deem proper or advisable in the premises.

[SIGNATURE PAGE FOLLOWS]

DATED this 30th day of November, 2017.

Respectfully submitted,

PDC Energy, Inc.

By: 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.
COUNTY OF DENVER)	

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

- 1. He is a Regional Landman PDC Energy, Inc., which address is 1775 Sherman Street, Suite 3000, Denver, CO 80203.
- 2. He has read the attached application for the Sandin 24C-201 well, Sandin 24C-241 well, Sandin 24C-301 well, and the Sandin 24C-321 well, 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 30th day of November, 2017.

Witness my hand and official seal.

My commission expires: +60.20, 2018

JAIMEE WALDEN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20144007055
COMMISSION EXPIRES FEB. 20. 2018

EXHIBIT A

Interested Parties

"*" denotes the interested parties that <u>may</u> be subject to the statutory cost recovery provisions of C.R.S. § 34-60-116.

PDC Energy, Inc.	
Estate of Bernice Eva Knoph*	

EXHIBIT B

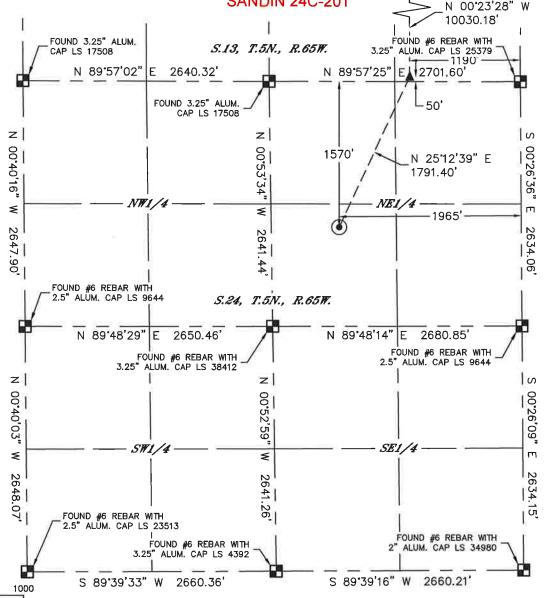
Plats - Sandin 24C-201, 24C-241, 24C-301, 24C-321

[ATTACHED]

WELL LOCATION CERTIFICATE

SANDIN 24C-201 N 00°23'28" W 10030.18

SECTION: 24 TOWNSHIP: 5N RANGE: 65W 6TH. P.M. WELD COUNTY, CO



CLIENT: PDC ENERGY, IN	C.		LANDMAN: PAUL MONTVILLE				
INSTRUMENT OPERATOR: CASEY KOHOUT			SURVEY DATE: 11/10/2016 SURFACE USE: CROP LAND			CROP LAND	
SHL FOOTAGE	SHL FOOTAGE SHL LAT SHL LONG SHL PDOP SHL ELEV (F)		SHL ELEV (FT.)	SHL 1/4/1/4	SHL S-T-R		
1570 FNL 1965 FEL	40.38759	-104.60895	1.6	4634	SWNE	24-5-65	

		OTAGE			BHL LONG °				
500	FNL	1190	FEL	40.41954	-104.60604	12-5-65	40.39201	-104.60615	13-5-65

NEAREST CULTURAL ITEMS						
BUILDING	±1683'NW					
BUILDING UNIT	±1890'NW					
HIGH OCCUPANCY BUILDING UNIT	5280'+					
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+					
PUBLIC ROAD (HWY34)	±1573'N					
ABOVE GROUND UTILITY	±247'N					
RAILROAD	±3999'SE					
PROPERTY LINE	±251'N					

1"=1000"

NOTE:

- 1) Bearings shown are Grld Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."
- 2) Distances to section lines measured at 90 degrees from said section lines.
- 3) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- 4) Latitude and Longitude shown are (NAD 83 DATUM)
- 5) IMPROVEMENTS: See LOCATION DRAWING for all visible improvements within 500' of oil and
- 6) This map does not represent a boundary súrvey.

LEGEND ☐ = ALIQUOT MONUMENT AS DESCRIBED

(ullet) = SURFACE HOLE LOCATION (SHL)

= CALCULATED POSITION

ENTRY POINT LOCATION (EP)

BH BOTTOM HOLE LOCATION (BHL)

= EXISTING WELL



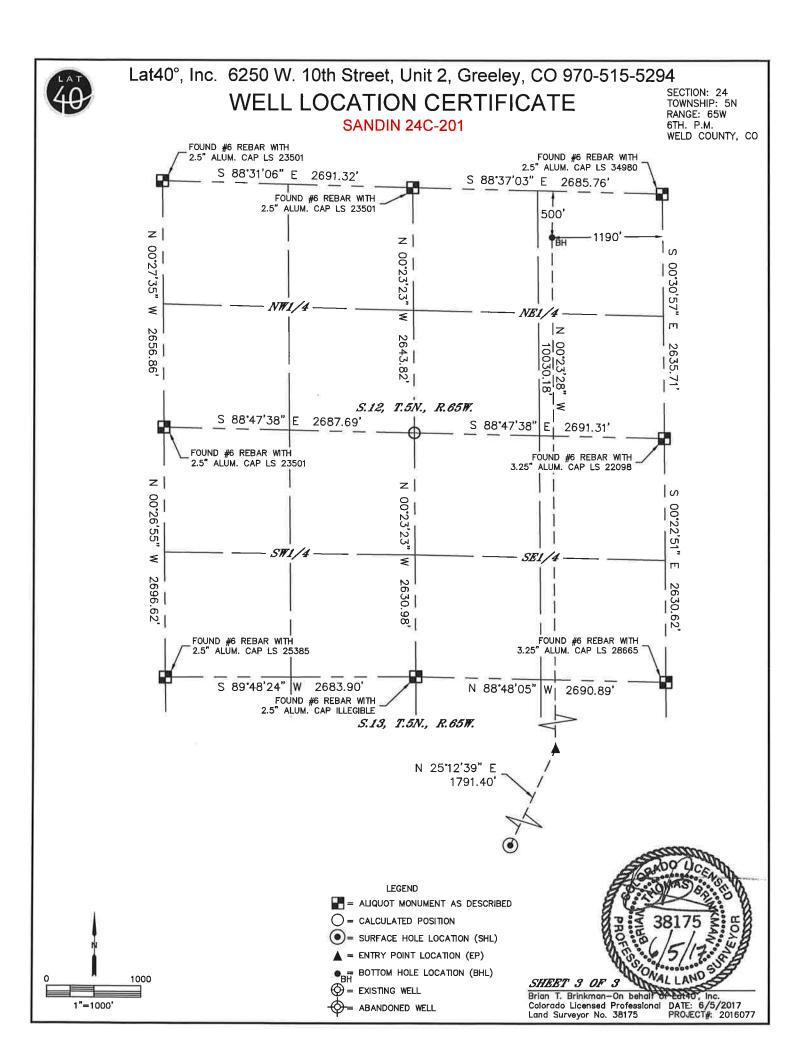
Brian T. Brinkman-On behalf Colorado Licensed Professional DATE: 6/5/2017 Land Surveyor No. 38175 PROJECT#: 2016077 Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294 SECTION: 24 TOWNSHIP: 5N WELL LOCATION CERTIFICATE RANGE: 65W **SANDIN 24C-201** 6TH. P.M. WELD COUNTY, CO S.12, T.5N., R.65W. FOUND #6 REBAR WITH 2.5" ALUM. CAP ILLEGIBLE N 89'48'24" E 2683.90' S 88'48'05" 2690.89" FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 28665 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 25385 z00.55 00.13 00.21 1'12" 19 € NE1/4 ₹ ш 2642.35 2690.02' FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 10855 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 4392 S.13, T.5N., R.65W. S 88'43'59" E 2652.64' S 89'49'03" E! 2696.20 z FOUND #6 REBAR WITH 5" ALUM. CAP LS 9644 zl zlo رق 00"27"29" 00.12 00"20"05" က် SW1/4 SE1/4 € m 2713. 2642. 75 FOUND 3.25" ALUM. CAP LS 17508 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 25379 1190 S 89'57'02" 2640.32 89'57'25" 2701.60' FOUND 3.25" ALUM. CAP LS 17508 -50' S.24, T.5N., R.65W. 1570 N 25"12'39" E 1791.40 NW1/4 1965 **LEGEND** = ALIQUOT MONUMENT AS DESCRIBED = CALCULATED POSITION SURFACE HOLE LOCATION (SHL) = ENTRY POINT LOCATION (EP) BH BOTTOM HOLE LOCATION (BHL) 1000 SHEET 2 OF 3 = EXISTING WELL Brian T. Brinkman-On behalf

= ABANDONED WELL

1"=1000"

Colorado Licensed Professional DATE: 6/5/2017 Land Surveyor No. 38175 PROJECT#: 2016077

Land Surveyor No. 38175





WELL LOCATION CERTIFICATE SANDIN 24C-241 BH N 00'23'28" W 10044.17' FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 25379 1752' FOUND 3.25" ALUM. 50 CAP LS 17508 S.13, T.5N., R.65W. N 89°57'02" N 189 57'25" 2640.32 Ε 2701.60 FOUND 3.25" ALUM. CAP LS 17508 N 08'06'52" E zz1636.78 00.26 00.53 00.40,16," 1570' 36" NW1/4 NE1/4 ≶ ≶ 1995' 2634. 2647.90 .06 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 9644 S.24, T.5N., R.65W. N 89'48'29" E 2650.46' N 89°48'14" E 2680.85' FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 9644 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 38412 z z S 00.40'03" 00.26 00.52.59" 09"

2641

CLIENT: PDC ENER	GY, IN	IC.	LANDMAN: PAUL MONTVILLE				
INSTRUMENT OPERATOR: CASEY KOHOUT				SURVEY DATE: 11/10/2016 SURFACE USE: CROP LAN			CROP LAND
SHL FOOTAGE		SHL LAT°	SHL LONG °	SHL PDOP	SHL ELEV (FT.)	SHL 1/4/1/4	SHL S-T-R
1570 FNL 1995	FEL	40.38759	-104.60906	1.6	4634	SWNE	24-5-65

		OTAGE			BHL LONG °				
500	FNL	1752	FEL	40.41959	-104.60805	12-5-65	40.39203	-104.60817	13-5-65

S 89'39'33" W 2660.36'

SW1/4

FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 23513

NEAREST CULTURAL ITEMS						
±1654'NW						
±1861'NW						
5280'+						
5280'+						
±1573'N						
±247' N						
±4010'SE						
±251'N						

€

2648.

1000

1"=1000'

NOTE:

FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 4392

- Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."
- 2) Distances to section lines measured at 90 degrees from said section lines.
- 3) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- 4) Latitude and Longitude shown are (NAD 83 DATUM).
- 5) IMPROVEMENTS: See <u>LOCATION DRAWING</u> for all visible improvements within 500' of oil and gas location.
- gas location.

 6) This map does not represent a boundary survey.

= ALIQUOT MONUMENT AS DESCRIBED

SECTION: 24 TOWNSHIP: 5N

RANGE: 65W

6TH. P.M. WELD COUNTY, CO

= CALCULATED POSITION

SE1/4

S 89'39'16" W 2660.21'

FOUND #6 REBAR WITH ALUM. CAP LS 34980

SURFACE HOLE LOCATION (SHL)

2634

▲ = ENTRY POINT LOCATION (EP)

BH BOTTOM HOLE LOCATION (BHL)

= EXISTING WELL



Brian T. Brinkman-On behalt of Latto, Inc.
Colorado Licensed Professional DATE: 6/5/2017
Land Surveyor No. 38175 PROJECT#: 2016077

Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294 SECTION: 24 TOWNSHIP: 5N RANGE: 65W WELL LOCATION CERTIFICATE **SANDIN 24C-241** 6TH. P.M. WELD COUNTY, CO S.12, T.5N., R.65W. FOUND #6 REBAR WITH 2.5" ALUM. CAP ILLEGIBLE N 89'48'24" E 2683.90' S 88'48'05" E 2690.89' FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 28665 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 25385 Z Z 00.55 00"13'19" 00"21"12" NE1/4 ш Z 00°23'28" 10044.17 2622. 2642.35 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 10855 FOUND #6 REBAR WITH S.13, T.5N., R.65W. 3.25" ALUM. CAP LS 4392 S 88'43'59" E 2652.64' S 89'49'03" E 2696.20' FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 9644 z١ z lσ 00.27 00.12 00"20'05" 7'29" က္ခ် SE1/4 € ₹ m 2713.74 2652. 2642. FOUND 3.25" ALUM. CAP LS 17508 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 25379 ത 50' 1752'-S 89'57'02" ts 189.57'25" 2640.32 W 2701.60' FOUND 3.25" ALUM. CAP LS 17508 S.24, T.5N., R.65W. N 08'06'52" E 1636.78 1570' NE1/4 1995 **LEGEND** = ALIQUOT MONUMENT AS DESCRIBED = CALCULATED POSITION SURFACE HOLE LOCATION (SHL) = ENTRY POINT LOCATION (EP) BOTTOM HOLE LOCATION (BHL) 1000 SHEET 2 OF 3 EXISTING WELL

- ABANDONED WELL

1"=1000"

Brian T. Brinkman-On behalf

Land Surveyor No. 38175

Colorado Licensed Professional DATE: 6/5/2017 Land Surveyor No. 38175 PROJECT#: 2016077

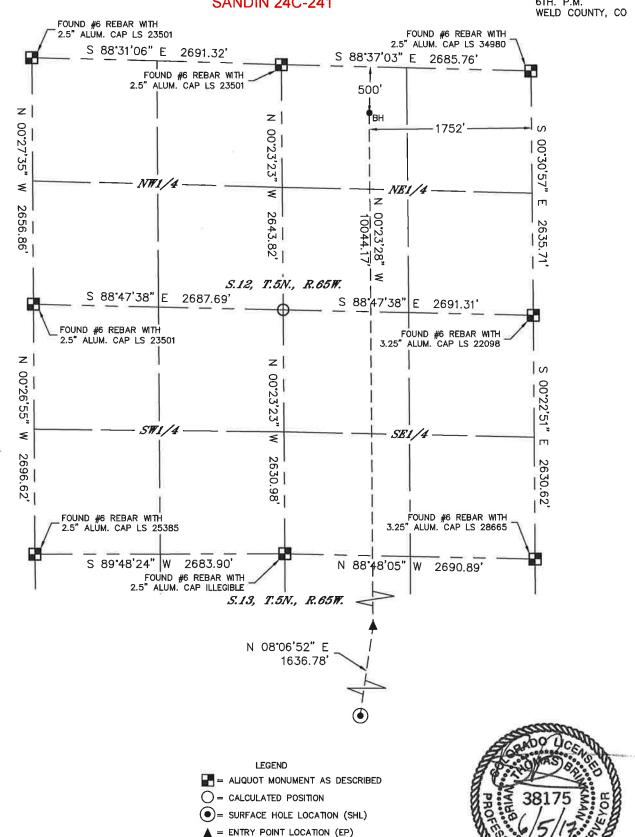
WELL LOCATION CERTIFICATE

SANDIN 24C-241

SECTION: 24 TOWNSHIP: 5N RANGE: 65W 6TH. P.M. WELD COUNTY, CO

SHEET 3 OF 3

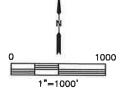
Brian T. Brinkman-On behalf of 20140, Inc.
Colorado Licensed Professional DATE: 6/5/2017
PROJECT#: 2016077



BOTTOM HOLE LOCATION (BHL)

= EXISTING WELL

→ ABANDONED WELL



Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294 SECTION: 24 WELL LOCATION CERTIFICATE TOWNSHIP: 5N RANGE: 65W **SANDIN 24C-301** 6TH. P.M. WELD COUNTY, CO N 00'23'31" W 9887.28' FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 25379 4 1475 FOUND 3.25" ALUM. CAP LS 17508 S.13, T.5N., R.65W. N 89'57'25" E N 89°57'02" 2640.32 2701.60 FOUND 3.25" ALUM. CAP LS 17508 200 zZ 00.40,16, 1570' N 15°31'59" E 1837.68 36" NW1/4 NE1/4 € 1980' 2634. 2647.90 2641 .06 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 9644 S.24, T.5N., R.65W. N 89'48'29" E 2650.46' N 89'48'14" E 2680.85' FOUND #6 REBAR WITH 5" ALUM. CAP LS 9644 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 38412 z lo z00'40'03" 00"26"09" 5 SW1/4 SE1 8 € 2634 2641 2648.07 Ωį FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 23513 FOUND #6 REBAR WITH " ALUM. CAP LS 34980 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 4392

CLIENT: PDC ENERGY, IN	IC.		LANDMAN: F			
INSTRUMENT OPERATOR	SURVEY DAT	E: 11/10/2016	SURFACE USE: CROP LAND			
SHL FOOTAGE	SHL LAT°	SHL LONG °	SHL PDOP	SHL ELEV (FT.)	SHL 1/4/1/4	SHL S-T-R
1570 FNL 1980 FEL	40.38759	-104.60900	1.6	4634	SWNE	24-5-65

E	BHL FC	OTAGE		BHL LAT°	BHL LONG °	BHL S-T-R	EP LAT °	EP LONG °	EP S-T-R
500	FNL	1475	FEL	40.41957	-104.60706	12-5-65	40.39243	-104.60717	13-5-65

S 89'39'33" W 2660.36'

NEAREST CULTURAL ITEMS							
BUILDING	±1668'NW						
BUILDING UNIT	±1876' NW						
HIGH OCCUPANCY BUILDING UNIT	5280'+						
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+						
PUBLIC ROAD (HWY 34)	±1573'N						
ABOVE GROUND UTILITY	±247' N						
RAILROAD	±4004'SE						
PROPERTY LINE	±251'N						

1000

1"=1000

NOTE:

- Bearings shown are Grid Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983. The lineal dimensions as contained herein are based upon the "U.S. Survey Foot."
- 2) Distances to section lines measured at 90 degrees from said section lines.
- 3) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- 4) Latitude and Longitude shown are (NAD 83 DATUM).
- 5) IMPROVEMENTS: See <u>LOCATION DRAWING</u> for all visible improvements within 500' of oil and gas location.
- This map does not represent a boundary survey.

= CALCULATED POSITION

S 89'39'16" W 2660.21'

= SURFACE HOLE LOCATION (SHL)

▲ = ENTRY POINT LOCATION (EP)

BH BOTTOM HOLE LOCATION (BHL)

= EXISTING WELL



Brian T. Brinkman-On behalf of Lot+0, Inc.
Colorado Licensed Professional DATE: 6/5/2017
Land Surveyor No. 38175 PROJECT#: 2016077

Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294 SECTION: 24 TOWNSHIP: 5N WELL LOCATION CERTIFICATE RANGE: 65W **SANDIN 24C-301** 6TH. P.M. WELD COUNTY, CO S.12, T.5N., R.65W. FOUND #6 REBAR WITH 2.5" ALUM. CAP ILLEGIBLE N 89'48'24" E 2683.90' S 88'48'0\$" 2690.89' FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 28665 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 25385 z 00.55 00"13"19" 00"21"12" € NEI, m 2690.02' 2642.35 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 10855 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 4392 S.13, T.5N., R.65W. S 88'43'59" E 2652.64' S 89'49'03" E 2696.20 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 9644 zS 00"27"29" 00.12 00"20"05" က် SW1/4 SE1 ≶ ≶ ш 2713. 2652. 2642. FOUND 3.25" ALUM. CAP LS 17508 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 25379 1475' S 89'57'02" 2640.32 89'57 25" W 2701.60' FOUND 3.25" ALUM. 200 CAP LS 17508 S.24, T.5N., R.65W. 1570 N 15'31'59" E 1837.68 NW1/4 NE1/4 1980' **LEGEND** = ALIQUOT MONUMENT AS DESCRIBED = CALCULATED POSITION (ullet)= surface hole location (shl) ENTRY POINT LOCATION (EP)

BOTTOM HOLE LOCATION (BHL)

= EXISTING WELL

⊕= ABANDONED WELL

SHEET 2 OF 3

Brian T. Brinkman-On behalf of Lat+0, Inc.
Colorado Licensed Professional DATE: 6/5/2017
PROJECT#: 2016077

1000

1"=1000'

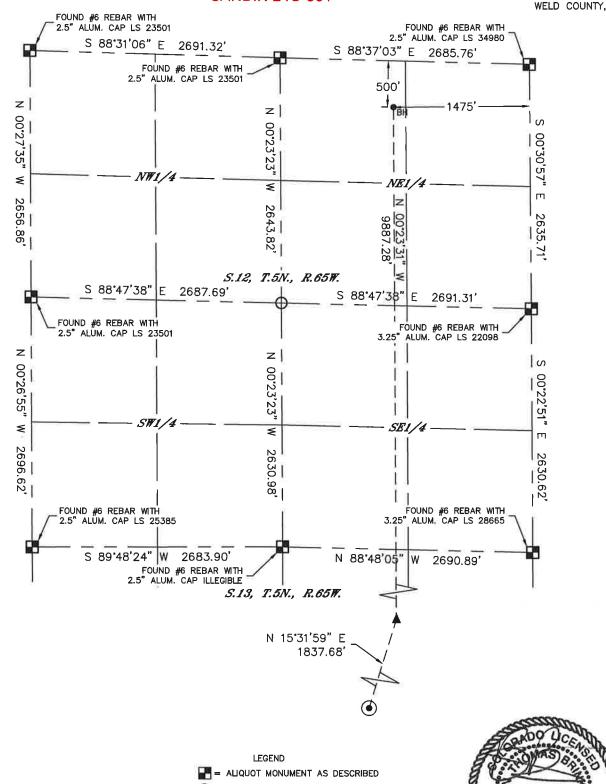
40

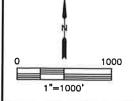
Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294

WELL LOCATION CERTIFICATE

SANDIN 24C-301

SECTION: 24 TOWNSHIP: 5N RANGE: 65W 6TH. P.M. WELD COUNTY, CO





= CALCULATED POSITION

SURFACE HOLE LOCATION (SHL)

▲ = ENTRY POINT LOCATION (EP)

●BH BOTTOM HOLE LOCATION (BHL)

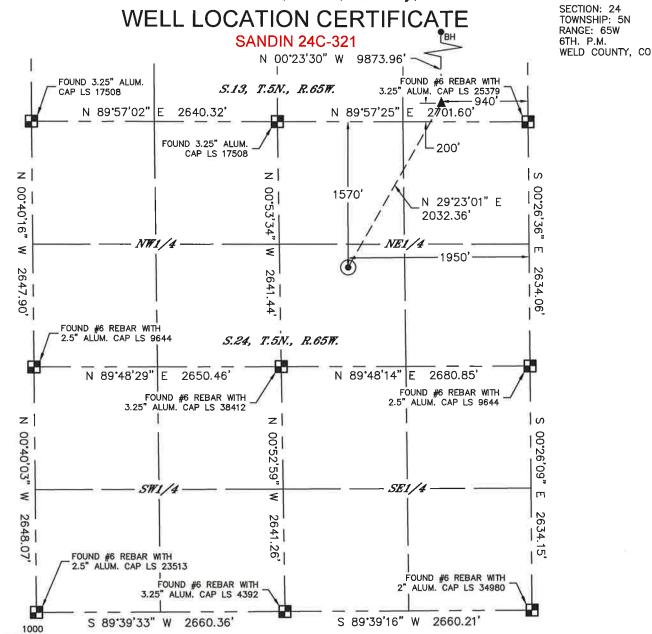
⇒ EXISTING WELL

= ABANDONED WELL

SHEET 3 OF 3

Brian T. Brinkman-On behalf of Lotto, inc.
Colorado Licensed Professional
Land Surveyor No. 38175

PROJECT#: 2016077



CLIENT: PDC ENERGY, IN	C.		LANDMAN: PAUL MONTVILLE				
NSTRUMENT OPERATOR: CASEY KOHOUT			SURVEY DAT	E: 11/10/2016	SURFACE USE: CROP LAND		
SHL FOOTAGE	SHL LAT °	SHL LONG °	SHL PDOP	SHL ELEV (FT.)	SHL 1/4/1/4	SHL S-T-R	
1570 FNL 1950 FEL	40.38759	-104.60890	1.6	4634	SWNE	24-5-65	

BHL FOOTAGE		BHL LAT °	BHL LONG °	BHL S-T-R	EP LAT °	EP LONG °	EP S-T-R		
500	FNL	940	FEL	40.41952	-104.60514	12-5-65	40.39242	-104.60525	13-5-65

NEAREST CULTURAL ITEMS					
BUILDING	±1697'NW				
BUILDING UNIT	±1905'NW				
HIGH OCCUPANCY BUILDING UNIT	5280'+				
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+				
PUBLIC ROAD (HWY34)	±1573'N				
ABOVE GROUND UTILITY	±247'N				
RAILROAD	±3994'SE				
PROPERTY LINE	±251'N				

1"=1000"

NOTE:

- Bearings shown are Grld Bearings of the Colorado State Plane Coordinate System, North Zone, North American Datum 1983. The Ilneal dimensions as contained herein are based upon the "U.S. Survey Foot."
- 2) Distances to section lines measured at 90 degrees from said section lines.
- 3) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- 4) Latitude and Longitude shown are (NAD 83
- 5) IMPROVEMENTS: See LOCATION_DRAWING for all visible improvements within 500' of oil and gas location.

 6) This map does not represent a boundary
- súrvey.

= ALIQUOT MONUMENT AS DESCRIBED = CALCULATED POSITION

SURFACE HOLE LOCATION (SHL)

= ENTRY POINT LOCATION (EP) BH BOTTOM HOLE LOCATION (BHL)

 \bigcirc = existing well



Colorado Licensed Professional DATE: 6/5/2017 Land Surveyor No. 38175 PROJECT#: 2016077

Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294 SECTION: 24 TOWNSHIP: 5N WELL LOCATION CERTIFICATE RANGE: 65W 6TH. P.M. WELD COUNTY, CO **SANDIN 24C-321** S.12, T.5N., R.65W. FOUND #6 REBAR WITH 2.5" ALUM. CAP ILLEGIBLE N 89'48'24" E 2683.90' S 88'48'05" E 2690.89 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 28665 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 25385 zz 00"55'27" 00"13"19" 00.21 1'12" NE1/4 ш 18 23 2642.35 130 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 10855 FOUND #6 REBAR WITH S.13, T.5N., R.65W. 3.25" ALUM. CAP LS 4392 S 88'43'59" E 2652.64' S 89'49'03" E 2696.20 9873. FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 9644 196 zz١ ls 00.27 00"20"05" 29" 59 SW1/4 SEI/4 ≶ ₹ ш 2713.74 2642. FOUND 3.25" ALUM. CAP LS 17508 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 25379 6 940' S 89'57'02" 89'57'25" 2640.32 2701.60 FOUND 3.25" ALUM. CAP LS 17508 -200' S.24, T.5N., R.65W. 1570' N 29°23'01" E 2032.36 NW1/4 1950' LEGEND = ALIQUOT MONUMENT AS DESCRIBED = CALCULATED POSITION SURFACE HOLE LOCATION (SHL) = ENTRY POINT LOCATION (EP) BOTTOM HOLE LOCATION (BHL) 1000 SHEET 2 OF 3 = EXISTING WELL Brian T. Brinkman-On behalf Colorado Licensed Professional DATE: 6/5/2017 Land Surveyor No. 38175 PROJECT# 2016077 1"=1000" → ABANDONED WELL

Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294 SECTION: 24 TOWNSHIP: 5N WELL LOCATION CERTIFICATE RANGE: 65W 6TH. P.M. WELD COUNTY, CO **SANDIN 24C-321** FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 23501 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 34980 S 88'31'06" E 2691.32' S 88'37'03" E 2685.76' FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 23501 500 z-940' ZBH 00.27,35" S 00"23"23" 00"30"57" NW1/4 € NE1/4 Ш 2656. 2643 2635. 82 S.12, T.5N., R.65W. S 88'47'38" E 2687.69 S 88'47'38" FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 23501 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 22098 $z \mid$ Z S 00"26'55" 00"23"23" 00"22"51" SW1/4 ≨ SE1/4 € ш 2696.62 2630. 2630.62 FOUND #6 REBAR WITH 3.25" ALUM. CAP LS 28665 FOUND #6 REBAR WITH 2.5" ALUM. CAP LS 25385 S 89'48'24" W 2683.90' N 88'48'05" 2690.89 FOUND #6 REBAR WITH 2.5" ALUM. CAP ILLEGIBLE S.13, T.5N., R.65W. N 29'23'01" E 2032.36 **LEGEND** ■ = ALIQUOT MONUMENT AS DESCRIBED = CALCULATED POSITION SURFACE HOLE LOCATION (SHL) = ENTRY POINT LOCATION (EP) BOTTOM HOLE LOCATION (BHL) 1000 SHEET 3 OF 3 = EXISTING WELL Brian T. Brinkman-On behalf

- ABANDONED WELL

1"=1000'

Colorado Licensed Professional DATE: 6/5/2017 Land Surveyor No. 38175 PROJECT#: 2016077

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

IN THE MATTER OF THE APPLICATION OF THE PROMULGATION AND ESTABLISHMENT OF FIELD RULES TO GOVERN OPERATIONS FOR THE NIOBRARA FORMATION WATTENBERG FIELD, WELD COUNTY COLORADO	T) S) I,)	CAUSE NO. DOCKET NO. TYPE:	180100102 POOLING	
CERTIFICATE	OF	SERVICE		
Courtney M. Shephard, of lawful age, and be declares:	ing fi	rst duly sworn upon	her oath, st	tates and
That she is the attorney for PDC Energy, Inc., are of the Application submitted to COGCC on Nor States Mail, postage prepaid, addressed to the Application.	/emb	er 30, 2017, to be de	eposited in the	he United
Ву:	Cour	tney M. Shephard, Es		nd_
	6400	s, Figa & Will, P.C. S. Fiddler's Green C nwood Village, CO		1000
STATE OF COLORADO)) SS. COUNTY OF ARAPAHOE)				
Subscribed and sworn to before me this		ay of December, 2017	7.	
PARASIA OLEKSIUK		· _ O	·	

PARASIA OLEKSIUK NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20154021765 MY COMMISSION EXPIRES JUNE 3, 2019