



Corporate Office
1775 Sherman Street, #3000
Denver, Colorado 80203
303.860.5800 www.pdce.com

June 29, 2017

Noble Energy, Inc.
1625 Broadway St., Suite 2200
Denver, CO 80202

Re: **Stimulation Setback Consent, Rule 317.s.**
Jagged 2N
NESW Section 8, T4N-R64W
Weld County, Colorado

To Whom It May Concern,

PDC Energy, Inc. ("PDC") hereby requests a GWA Minimum Interwell Distance waiver from Noble Energy, Inc., the offset operator of the following wells that are estimated to be closer than 150' to the subject well.

Dietrich C 8-32D	05-123-26791	NENE Section 7, T4N-R64W	Approx. 101' away
Dietrich C 07-22D	05-123-34349	NWNE Section 7, T4N-R64W	Approx. 96' away

Pursuant to the following Colorado Oil and Gas Conservation Commission ("COGCC") Rule 317.s.

Statewide Fracture Stimulation Setback: No portion of a proposed wellbore's treated interval shall be located within 150 feet of an existing (producing, shut-in, or temporarily abandoned) or permitted oil and gas wellbore's treated interval belonging to another operator without the signed and written consent of the operator of the encroached upon wellbore. The signed written consent shall be attached to the Application for Permit-to-Drill, Form 2 for the proposed wellbore.

The following BMP will be applied to the permit: 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 wellpath 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 as-constructed gyro survey will be submitted to COGCC with the Form 5.

RECEIVED
JUN 30 2017



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Sincerely,

A handwritten signature in blue ink, appearing to read "Ally Gale".

Ally Gale
Regulatory Technician
PDC Energy, Inc.

As the offset operator or a designated representative thereof, I understand that the subject well will be potentially drilled and stimulated within 150' of the offset well listed above. I hereby give my consent for the subject well.

OPERATOR: NOBLE ENERGY, INC.

A handwritten signature in blue ink, appearing to read "Mari S. Gillman".

Signature
Mari S. Gillman

Km
JMB

8/1/2017

Date

Attorney-In-Fact

Name, Title

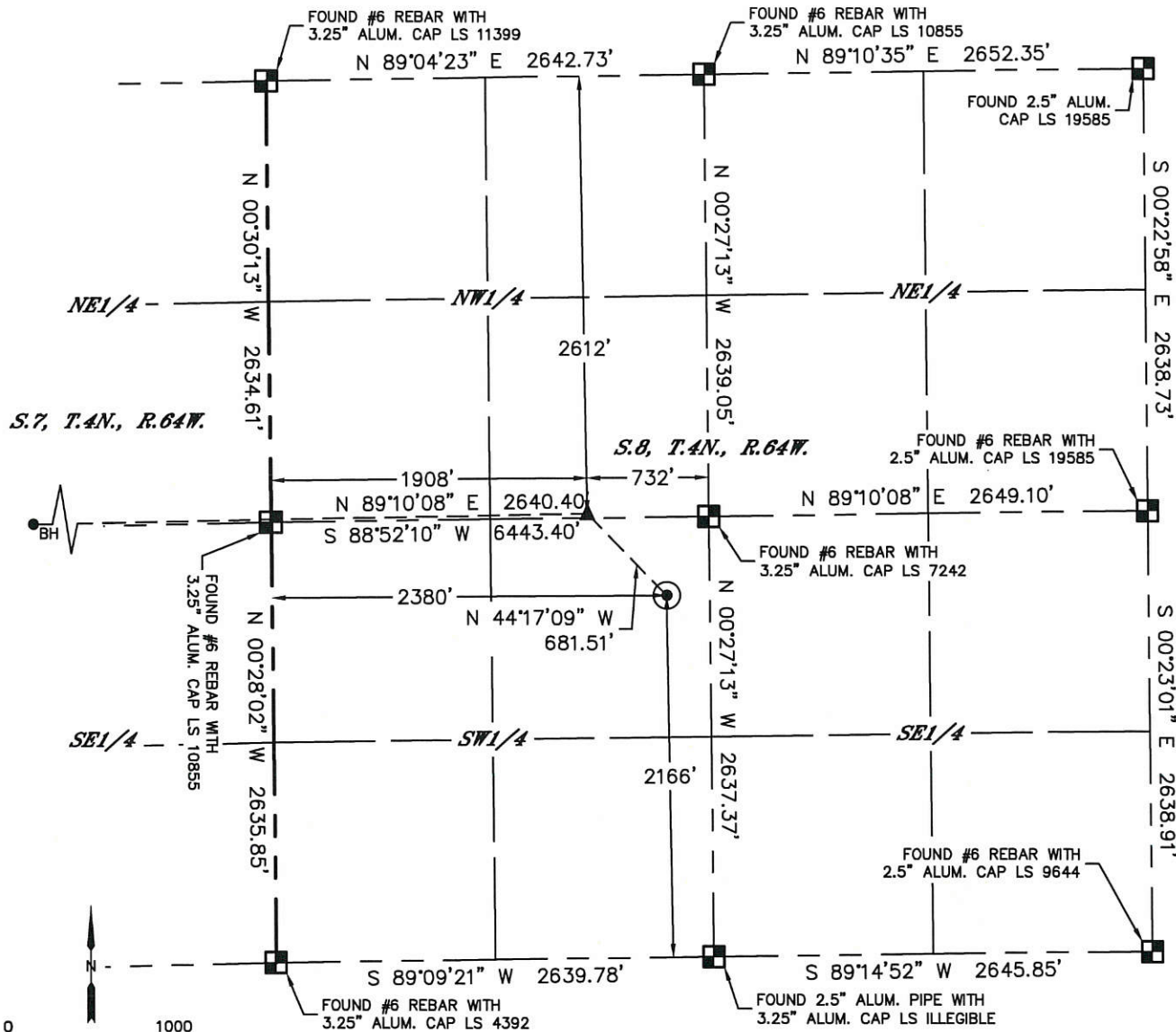


Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294

WELL LOCATION CERTIFICATE

JAGGED 2N

SECTION: 8
TOWNSHIP: 4N
RANGE: 64W
6TH. P.M.
WELD COUNTY, CO



0 1000
1"=1000'

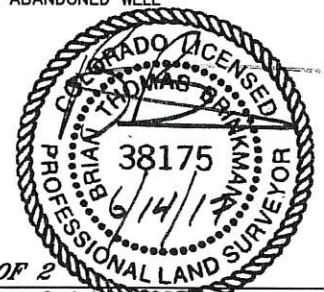
CLIENT: PDC ENERGY, INC.				LANDMAN: JEFF HINDMARSH		
INSTRUMENT OPERATOR: SCOTT SHERARD				SURVEY DATE: 6/7/17		SURFACE USE: PASTURE
SHL FOOTAGE	SHL LAT°	SHL LONG°	SHL PDOP	SHL ELEV (FT.)	SHL 1/4/1/4	SHL S-T-R
2166 FSL 2380 FWL	40.32560	-104.57546	2.7	4772	NESW	8-4-64

BHL FOOTAGE	BHL LAT°	BHL LONG°	BHL S-T-R	EP LAT°	EP LONG°	EP S-T-
2612 FNL 500 FWL	40.32678	-104.60025	7-4-64	40.32695	-104.57714	8-4-64

NEAREST CULTURAL ITEMS	
BUILDING	±826'S
BUILDING UNIT	±1036'S
HIGH OCCUPANCY BUILDING UNIT	5280'+
DESIGNATED OUTSIDE ACTIVITY AREA	5280'+
PUBLIC ROAD (COUNTY ROAD 46)	±2155'S
ABOVE GROUND UTILITY	±869'SE
RAILROAD	5280'+
PROPERTY LINE	±260'E

NOTE:
1) 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 LOCATION DRAWING for all visible improvements within 500' of oil and gas location.
6) This map does not represent a boundary survey.

- LEGEND
- = ALIQUOT MONUMENT AS DESCRIBED
 - = CALCULATED POSITION
 - = SURFACE HOLE LOCATION (SHL)
 - ▲ = ENTRY POINT LOCATION (EP)
 - BH = BOTTOM HOLE LOCATION (BHL)
 - ⊕ = EXISTING WELL
 - ⊙ = ABANDONED WELL



SHEET 1 OF 2

Brian T. Brinkman—On behalf of Lat40°, Inc.
Colorado Licensed Professional Land Surveyor No. 38175
DATE: 6/14/2017
PROJECT#: 2016123

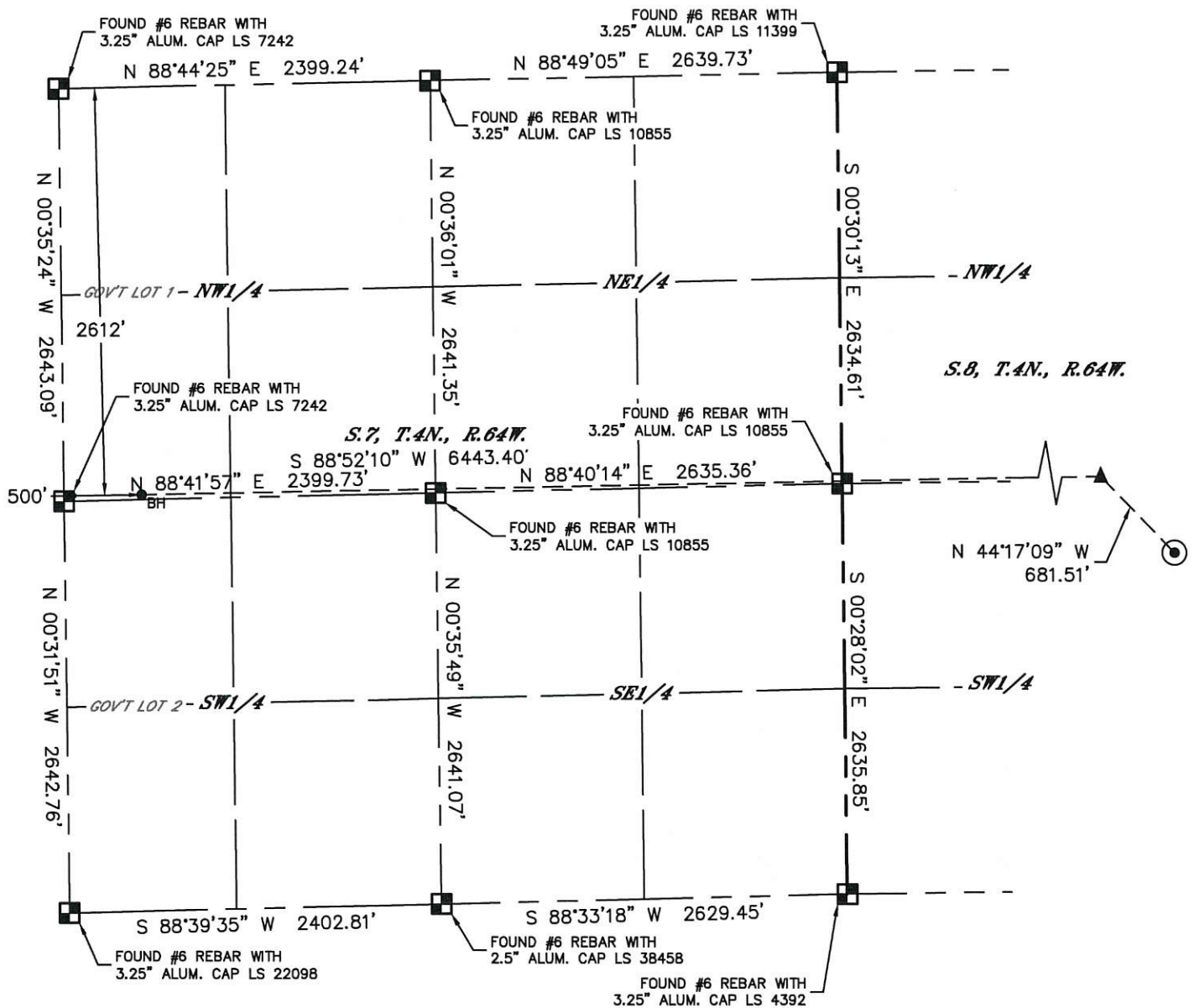


Lat40°, Inc. 6250 W. 10th Street, Unit 2, Greeley, CO 970-515-5294

WELL LOCATION CERTIFICATE

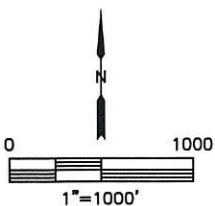
JAGGED 2N

SECTION: 8
TOWNSHIP: 4N
RANGE: 64W
6TH. P.M.
WELD COUNTY, CO



LEGEND

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SHEET 2 OF 2

Brian T. Brinkman—On behalf of Lat40°, Inc.
Colorado Licensed Professional Land Surveyor No. 38175
DATE: 6/14/2017
PROJECT#: 2016123

Surface Location: Jagged 4N64W08 Pad Sec.8-T4N-R64W

North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
Ground Elevation: 4772.0
N/S+E-W Northing Easting Latitude Longitude Slot
0.0 0.01362800.88 3257788.61 40.325600 -104.575400
Design Version: Spider Plot

