



410 17th Street, Suite 1400
Denver, CO 80202
(720) 440-6100 phone
(720) 305-0804 fax

Bonanzacrk.com

February 17, 2020

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

RE: Proposed Wellbore Spacing Unit
Antelope O34-19-18MRLNB
Niobrara New Drill
SWSE Section 19, Township 5N, Range 62W, 6th PM
Weld County, Colorado

Dear Director Robbins,

Bonanza Creek Energy Operating Company, LLC. ("Bonanza Creek") is planning to drill the above captioned well in accordance with the provisions of Colorado Oil and Gas Conservation Commission (COGCC) Rule 318A.e.

Bonanza Creek's proposed wellbore spacing unit consists of:

Township 5N, Range 62W (Weld County):
Section 18: SWSE, SESW
Section 19: W2E2, E2W2

Total acres: 400acres

Bonanza Creek is the only working interest owner within the proposed wellbore spacing unit, therefore Bonanza Creek hereby attests that no notice letters are required under COGCC Rule 318Ae.(5). The exhibit illustrating the proposed wellbore spacing unit is provided to assist you in your review and approval of Bonanza Creek's proposed APD for the above mentioned well.

Thank you for your attention to the enclosed. Bonanza Creek respectfully requests that the COGCC review the enclosed information and approve the Application for Permit to Drill the captioned well.

Regards,
Bonanza Creek Energy Operating Company, LLC.

Brian Dodek, P.G.
Manager – Environmental & Regulatory Compliance

LEGEND:

- └─ = 90° SYMBOL
● = PROPOSED WELLHEAD.
◇ = ENTRY TARGET.
□ = MID-LATERAL TARGET.
○ = TARGET BOTTOM HOLE.
▲ = SECTION CORNERS LOCATED.
(NAD 83)

T5N, R62W, 6th P.M.

Alum. Cap,
#4846, 0.5'
High, E-W Fence
(NAD83)
Lat: 40.406646°
Long: 104.375453°
(STP83) CO.NORTH
N: 1392967.40
E: 3313158.94

Alum. Cap, #4845,
0.7' High, E-W Fence
(NAD83)
Lat: 40.406639°
Long: 104.365908°
(STP83) CO.NORTH
N: 1392998.50
E: 3315816.72

Alum. Cap,
#4845, Flush
w/ Ground
(NAD83)
Lat: 40.406627°
Long: 104.356450°
(STP83) CO.NORTH
N: 1393027.88
E: 3318450.50

1990 Alum. Cap,
#7242, 0.5' High
(NAD83)
Lat: 40.399238°
Long: 104.375259°
(STP83) CO.NORTH
N: 1390269.51
E: 3313247.05

1990, Alum. Cap,
#7242, Flush
w/ Ground
(NAD83)
Lat: 40.399426°
Long: 104.356516°
(STP83) CO.NORTH
N: 1390404.79
E: 3318465.95

1990 Alum. Cap,
#7242, 0.5'
High, T-Post
(NAD83)
Lat: 40.391830°
Long: 104.375066°
(STP83) CO.NORTH
N: 1387571.43
E: 3313335.08

1990, Alum. Cap,
#7242, 0.6' High
(NAD83)
Lat: 40.392226°
Long: 104.356582°
(STP83) CO.NORTH
N: 1387781.66
E: 3318481.39

1990 Alum. Cap,
#7242, 0.6' High
(NAD83)
Lat: 40.384643°
Long: 104.374920°
(STP83) CO.NORTH
N: 1384953.98
E: 3313409.15

1990, Alum. Cap,
#7242, 0.3' High
(NAD83)
Lat: 40.385026°
Long: 104.356648°
(STP83) CO.NORTH
N: 1385158.71
E: 3318497.00

1990 Alum. Cap,
#7242, 0.3' High
(NAD83)
Lat: 40.377455°
Long: 104.374774°
(STP83) CO.NORTH
N: 1382336.16
E: 3313482.99

1990, Alum. Cap,
#7242, 0.3' Below
Ground
(NAD83)
Lat: 40.377825°
Long: 104.356713°
(STP83) CO.NORTH
N: 1382535.46
E: 3318512.54

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N73°46'44"W	802.38'

NAD 83 (SURFACE LOCATION)

LATITUDE = 40°22'42.06" (40.378350)
LONGITUDE = 104°21'40.53" (104.361259)

STATE PLANE NAD 83 (CO. NORTH)

N: 1382710.28 E: 3317243.70

NAD 83 (ENTRY TARGET)

LATITUDE = 40°22'44.28" (40.378966)
LONGITUDE = 104°21'50.48" (104.364023)

STATE PLANE NAD 83 (CO. NORTH)

N: 1382924.73 E: 3316470.73

NAD 83 (TARGET BOTTOM HOLE)

LATITUDE = 40°23'33.88" (40.392744)
LONGITUDE = 104°21'51.98" (104.364438)

STATE PLANE NAD 83 (CO. NORTH)

N: 1387942.32 E: 3316290.98

PDOP = 1.3



CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE DRAWING WAS PREPARED FROM FIELD
NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION
AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION

USGS COOPERATIVE BASE NETWORK CONTROL STATION, DESIGNATION "M 414". NGS
DATA SHEET LISTS THE NAVD 88 ELEVATION AS BEING 4600.58 FEET.



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



BONANZA CREEK ENERGY
OPERATING COMPANY, LLC

ANTELOPE O34-19-18MRLNB
SW 1/4 SE 1/4, SECTION 19, T5N, R62W, 6th P.M.
WELD COUNTY, COLORADO

SURVEYED BY	CHAD MIEIRS	12-11-17	SCALE
DRAWN BY	C.IVIE	02-21-18	1" = 1000'

WELL LOCATION PLAT