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April 11, 2018

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

**RE: Proposed Wellbore Spacing Unit**  
Antelope Federal 34-19-18XRLNC  
Niobrara New Drill  
SESE Section 19, Township 5N, Range 62W, 6<sup>th</sup> PM  
Weld County, Colorado

Dear Director Murphy,

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: W2E2  
Section 19: W2E2, SESE

Total acres: 360ac

The 30 day notification time period has passed and we have not yet received any objections to such well locations or proposed spacing unit, therefore Bonanza Creek hereby requests the Director to approve the above mentioned well. Bonanza Creek respectfully requests the COGCC review the enclosed map illustrating the proposed wellbore spacing unit.

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°  
SP NAD 83  
N: 1392967.40  
E: 3313158.94

Alum. Cap, #4845, 0.7' High, E-W Fence (NAD83)  
Lat: 40.406639°  
Long: 104.365908°  
SP NAD 83  
N: 1392998.50  
E: 3315816.72

Alum. Cap, #4845, Flush w/ Ground (NAD83)  
Lat: 40.406627°  
Long: 104.356450°  
SP NAD 83  
N: 1393027.88  
E: 3318450.50

1990 Alum. Cap, #7242, 0.5' High, T-Post (NAD83)  
Lat: 40.399238°  
Long: 104.375259°  
SP NAD 83  
N: 1390269.51  
E: 3313247.05

1990 Alum. Cap, #7242, Flush w/ Ground (NAD83)  
Lat: 40.399426°  
Long: 104.356516°  
SP NAD 83  
N: 1390404.79  
E: 3318465.95

1990 Alum. Cap, #7242, 0.5' High, T-Post (NAD83)  
Lat: 40.391830°  
Long: 104.370666°  
SP NAD 83  
N: 1387571.43  
E: 3313335.08

1990 Alum. Cap, #7242, 0.6' High (NAD83)  
Lat: 40.392226°  
Long: 104.356582°  
SP NAD 83  
N: 1387781.66  
E: 3318481.39

1990 Alum. Cap, #7242, 0.6' High (NAD83)  
Lat: 40.394643°  
Long: 104.374920°  
SP NAD 83  
N: 1384953.98  
E: 3313409.15

1990 Alum. Cap, #7242, 0.3' High (NAD83)  
Lat: 40.385028°  
Long: 104.356648°  
SP NAD 83  
N: 1385158.71  
E: 3318497.00

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N62°40'02"W	506.99'

<b>NAD 83 (SURFACE LOCATION)</b>	
LATITUDE = 40°22'42.06" (40.378351)	
LONGITUDE = 104°21'40.27" (104.361187)	
<b>STATE PLANE NAD 83 (CO. NORTH)</b>	
N: 1382711.12 E: 3317263.71	
<b>NAD 83 (ENTRY TARGET)</b>	
LATITUDE = 40°22'44.37" (40.378991)	
LONGITUDE = 104°21'46.09" (104.362803)	
<b>STATE PLANE NAD 83 (CO. NORTH)</b>	
N: 1382938.21 E: 3316810.57	
<b>NAD 83 (MID LATERAL TARGET)</b>	
LATITUDE = 40°23'31.49" (40.392080)	
LONGITUDE = 104°21'48.21" (104.363392)	
<b>STATE PLANE NAD 83 (CO. NORTH)</b>	
N: 1387704.20 E: 3316585.31	
<b>NAD 83 (TARGET BOTTOM HOLE)</b>	
LATITUDE = 40°24'19.25" (40.405346)	
LONGITUDE = 104°21'49.68" (104.363800)	
<b>STATE PLANE NAD 83 (CO. NORTH)</b>	
N: 1392535.21 E: 3316409.90	

1990 Alum. Cap, #7242, 0.3' High (NAD83)  
Lat: 40.377455°  
Long: 104.374774°  
SP NAD 83  
N: 1382336.16  
E: 3313482.99

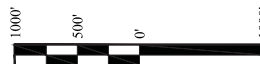
ANTELOPE FEDERAL 34-19-18XRLNC  
Elev. Ungraded Ground = 4657.6'

W.C. 1990 Alum. Cap, #7242, 0.5' High (NAD83)  
Lat: 40.377557°  
Long: 104.365758°  
SP NAD 83  
N: 1382435.58  
E: 3315994.28

True Position  
Lat: 40.377640°  
Long: 104.365756°  
SP NAD 83  
N: 1382435.58  
E: 3315994.28

1990 Alum. Cap, #7242, 0.3' Below Ground (NAD83)  
Lat: 40.377825°  
Long: 104.356713°  
SP NAD 83  
N: 1382535.46  
E: 3318512.54

PDOP = 1.3



**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 FEDERAL 34-19-18XRLNC  
SE 1/4 SE 1/4, SECTION 19, T5N, R62W, 6th P.M.  
WELD COUNTY, COLORADO

SURVEYED BY	CHAD MIERS	12-11-17	SCALE
DRAWN BY	C. J. VIE	02-21-18	1" = 1000'

**WELL LOCATION PLAT**

CERTIFICATION

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED IN ACCORDANCE WITH THE NOTES OF ACTUAL SURVEYS MADE AND MEASUREMENTS 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  
JAN 12-18