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December 5, 2013

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

RE: **Proposed Wellbore Spacing Unit**  
Schmunk EF 31-369HN

Niobrara New Drill  
Township 7 North, Range 65 West, 6<sup>th</sup> P.M.  
Section 31  
Weld County, Colorado

Dear Director:

Great Western Operating Company, LLC is planning to drill the above captioned well in accordance with the provisions of COGCC Rule 318(l)(2).

Great Western proposed wellbore spacing unit consists of:

- **W/2E/2 Section 31 and E/2W/2 Section 31 T7N-R65W**

The 30 day notification time has passed and we have not received any objections to such well locations or proposed spacing unit, therefore Great Western hereby requests the Director to approve the above mentioned well. Great Western Operating Company, LLC respectfully requests that the COGCC review the enclosed map illustrating the proposed wellbore spacing unit.

Respectfully,



Shannon Hartnett  
Regulatory Compliance Specialist  
Great Western Operating Company, LLC

17N, R65W, 6th P.M.

# GREAT WESTERN OIL & GAS COMPANY

Well location, SCHMUNK EF 31-369HN, located as shown in the NW 1/4 NE 1/4 of Section 31, 17N, R65W, 6th P.M., Weld County, Colorado.

## BASIS OF ELEVATION

USGS COOPERATIVE BASE NETWORK CONTROL STATION, DESIGNATION "VERMILYEA". NGS DATA SHEET LISTS THE NAVD 88 ELEVATION AS BEING 5026 FEET.

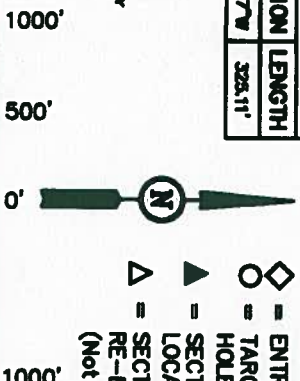
## BASIS OF BEARINGS

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

## LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ◇ = ENTRY POINT
- = TARGET BOTTOM HOLE.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not set on Ground.)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N76°30'07"W	323.11'



SCALE

THIS IS TO CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT COPY OF THE ORIGINAL FIELD NOTES OF ACTUAL SURVEY WORK DONE BY THE SURVEYOR UNDER HIS PERSONAL SUPERVISION AND THAT THE SAME ACCURATELY REPRESENT THE BEST OF HIS KNOWLEDGE AND BELIEF.

RECORDED LAND SURVEY  
RECORDING NO. 20225  
STATE OF COLORADO  
JUL 10 2013

REVISED: 10-22-13 J.W.

UTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERMILYEA, UTAH 84078  
(435) 788-1017

POOP = 1.4

SCALE  
1" = 1000'

DATE SURVEYED: 09-03-13 DATE DRAWN: 09-09-13

PARTY  
Z.B. A.G. H.K.W.

REFERENCES  
G.L.O. PLAT

FILE  
GREAT WESTERN  
OIL & GAS COMPANY

R 1988 Photo Alum. Cap.  
#23513 0.5" Below  
Ground in Monument Box  
Loc: 40.530181°  
Long: 104.715844°  
S89°53'52"E - 2740.11' (Meas.)

1988 Photo Alum. Cap.  
#23008 0.5" Below  
Ground in Monument Box  
Loc: 40.530844°  
Long: 104.705897°  
S89°53'43"E - 2585.27' (Meas.)

Photo Alum. Cap.  
#23513 0.6" Below  
Ground in Monument Box  
Loc: 40.530287°  
Long: 104.696897°

1988 Photo Alum. Cap.  
#10253 0.5" Below  
Ground in Monument Box  
Loc: 40.531517°  
Long: 104.696781°

N00°20'48"W - 2641.25' (Meas.)

N00°30'47"W - 2646.37' (Meas.)

N00°31'58"E - 2639.47' (Meas.)

N00°31'47"E  
2631.69' (Meas. To W.C.)  
N00°31'47"E  
2641.69' (Meas. To True)

S88°55'13"E - 2698.56' (Meas.)

S88°55'03"E - 2617.42' (Meas.)

S89°00'07"E - 2651.36' (Meas.)

S88°44'28"E - 2643.22' (Meas.)

N00°01'34"W - 2650.20' (Meas.)

N00°09'55"W - 2638.97' (Meas.)

Photo Alum. Cap.  
#23501 0.5" Below  
Ground in Monument Box  
Loc: 40.524547°  
Long: 104.696597°

LOT 3

LOT 2

LOT 1

LOT 4

Target  
Bottom  
Hole

SCHMUNK EF  
31-369HN  
Elev. Ungrounded  
Ground = 4851'

W.C. 1988 Photo  
Alum. Cap. #23008  
0.5" Above Ground  
Loc: 40.531894°  
Long: 104.708172°

1984 Photo Alum. Cap.  
#10253 0.5" Below  
Ground in Monument Box  
Loc: 40.534473°  
Long: 104.706357°

MON. 27 (CORNER POINT)	MON. 27 (CORNER POINT)	MON. 27 (CORNER POINT)	MON. 27 (CORNER POINT)
LATITUDE = 40°51'32.08" (40.858738)	LATITUDE = 40°52'15.68" (40.870863)	LATITUDE = 40°52'14.88" (40.870467)	LATITUDE = 40°52'14.48" (40.870422)
LONGITUDE = 104°42'18.44" (104.702233)	LONGITUDE = 104°42'18.87" (104.702195)	LONGITUDE = 104°42'14.48" (104.704022)	LONGITUDE = 104°42'14.55" (40.857484)
LATITUDE = 40°51'32.73" (40.858758)	LATITUDE = 40°52'15.73" (40.870703)	LATITUDE = 40°52'14.55" (40.857484)	LATITUDE = 104°42'12.62" (104.703505)
LONGITUDE = 104°42'16.95" (104.704711)	LONGITUDE = 104°42'16.70" (104.704633)	LONGITUDE = 104°42'12.62" (104.703505)	