

1700 Broadway  
Suite 650  
Denver, Colorado 80290



Shannon Hartnett  
Permitting Agent  
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E-mail: shartnett@gwogco.com

December 13, 2012

Colorado Oil and Gas Conservation Commission  
The Chancery Building  
1120 Lincoln Street, Suite 801  
Denver, CO 80203

Attn: Mr. Matt Lepore, Director

RE: Proposed Wellbore Spacing Unit  
Land JG 31-20D (Surface 269' FSL and 929' FWL) Sec. 31, (Bottom 1336' FSL and 2464' FWL) Sec. 31

Nibrara/Codell New Drills  
Township 2 North, Range 64 West, 6<sup>th</sup> P.M.  
Section 31: Lot 2  
Weld County, Colorado

Mr. Lepore:

Great Western Oil and Gas Company, LLC is planning to drill the above caption boundary wells in accordance with the provisions of COGCC Rule 318A.e.

Great Western proposed wellbore spacing unit consists of:

- Land JG 31-20D Sec. 31-2N-64W: W2SE, E2SW

The required thirty (30) day notice was sent and no objections have been received. Enclosed is a copy of the following document to assist you in your review and approval of Great Western's proposed APD for the caption well:

- Plat illustrating proposed wellbore spacing unit on existing location plats.

Great Western Oil and Gas Company, LLC respectfully requests that the COGCC review the enclosed information and approve the application for Permit to Drill the captioned well. Thank you for your attention to the enclosed.

Respectfully,

A handwritten signature in blue ink that reads "Shannon Hartnett". The signature is written in a cursive, flowing style.

Shannon Hartnett  
Permitting Agent  
Great Western Oil and Gas Company, LLC

T2N, R64W, 6th P.M.

R  
65  
64

Alum. Cop  
0.5' Below Ground  
LS 23520  
Lot: 40.102328°  
Long: 104.584228°

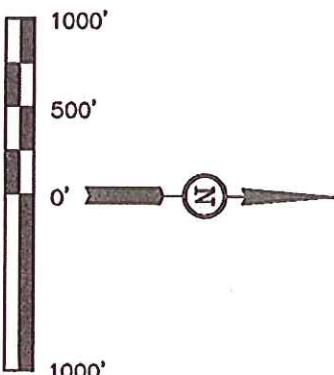
GREAT WESTERN OIL & GAS COMPANY  
Well location, LAND JG #31-20D, located as shown in LOT 2 of Section 31, T2N, R64W, 6th P.M., Weld County, Colorado.

### BASIS OF ELEVATION

USGS COOPERATIVE BASE NETWORK CONTROL STATION, DESIGNATION 'HUDSON CC' NG'S DATA SHEET LISTS THE NAVD 88 ELEVATION AS BEING 4999 FEET.

### BASIS OF BEARINGS

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



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT 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. 12492  
STATE OF COLORADO 98-26-12

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE  
1" = 1000'

DATE SURVEYED:  
10-18-12

DATE DRAWN:  
10-22-12

PARTY  
Z.B. A.G. J.W.

REFERENCES  
G.L.O. PLAT

WEATHER  
COOL

FILE  
GREAT WESTERN OIL & GAS COMPANY

Alum. Cop  
0.2' Below Ground  
LS 23537  
Lot: 40.087417°  
Long: 104.602675°

Alum. Cop  
0.6' Below Ground  
LS 13155  
Lot: 40.102261°  
Long: 104.593664°

Alum. Cop  
1.5' Below Ground  
LS 23537  
Lot: 40.087567°  
Long: 104.593919°

Alum. Cop  
0.7' Below Ground  
LS 23520 in Mon. Box  
Lot: 40.087728°  
Long: 104.584453°

PDOP = 1.8

### LEGEND:

— = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED

NAD 83 (TARGET BOTTOM HOLE)

Latitude = 40°05'28.45" (40.091236)

Longitude = 104°35'57.88" (104.593856)

NAD 27 (TARGET BOTTOM HOLE)

Latitude = 40°05'28.51" (40.091253)

Longitude = 104°35'58.02" (104.593339)

NAD 83 (SURFACE LOCATION)

Latitude = 40°05'17.56" (40.088211)

Longitude = 104°35'57.67" (104.593533)

NAD 27 (SURFACE LOCATION)

Latitude = 40°05'17.62" (40.088228)

Longitude = 104°35'55.81" (104.598336)

N00°07'03"E - 2692.98' (Meas.)

N00°03'45"E - 2691.88' (Meas.)

S89°26'19"W - 2509.68' (Meas.)

S89°26'30"W - 2640.46' (Meas.)

S89°07'51"W - 2478.79' (Meas.)

S89°07'33"W - 2644.80' (Meas.)

N00°43'38"E - 2679.09' (Meas.)

N00°38'30"E - 2664.42' (Meas.)

N00°38'17"E - 2654.20' (Meas.)

N00°07'03"E - 2692.98' (Meas.)

N00°43'41"E - 2674.65' (Meas.)

S88°41'15"W - 2450.68' (Meas.)

S88°41'11"W - 2649.62' (Meas.)

T2N

929'

1336'

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