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

T2N, R64W, 6th P.M.

GREAT WESTERN OIL & GAS COMPANY

Well location, LAND JG #31-36D, 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' NCS DATA SHEET LISTS THE NAVD 88 ELEVATION AS BEING 4999 FEET.

BASIS OF BEARINGS

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

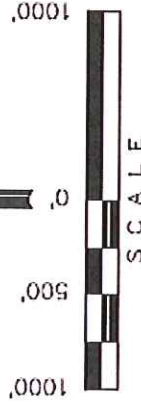
NOTE:  
SEE ADDENDUM TO LEGAL PLAT FOR  
EXISTING IMPROVEMENTS WITHIN 400'  
OF THE PROPOSED DISTURBANCE.

Alum. Cap  
0.5' Below Ground  
LS 23520  
Lat: 40.095014°  
Long: 104.584339°

Alum. Cap  
0.7' Below Ground  
LS 33542  
Lat: 40.094908°  
Long: 104.583782°

Alum. Cap  
0.5' Below Ground  
LS 23520, in Mon. Box  
Lat: 40.095014°  
Long: 104.584339°

Alum. Cap  
0.7' Below Ground  
LS 33542  
Lat: 40.094908°  
Long: 104.583782°



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  
STATE OF COLORADO  
EXPIRATION DATE 06-26-12

UINTAH 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	

PDOP = 1.8

NAD 83 (SURFACE LOCATION)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°05'17.16" (40.088100)	LATITUDE = 40°05'15.24" (40.087587)
LONGITUDE = 104°35'57.67" (104.599353)	LONGITUDE = 104°35'38.11" (104.593919)
NAD 27 (SURFACE LOCATION)	NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°05'17.22" (40.088117)	LATITUDE = 40°05'15.30" (40.087583)
LONGITUDE = 104°35'55.81" (104.598836)	LONGITUDE = 104°35'38.25" (104.593403)

- LEGEND:
- └ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED

R R  
65 64  
W W

S89°26'30"W - 2509.68' (Meas.)

Alum. Cap  
0.6' Below Ground  
LS 13155  
Lat: 40.102281°  
Long: 104.593664°

Alum. Cap  
0.9' Below Ground  
LS 25937  
Lat: 40.102197°  
Long: 104.602636°

LOT 1

S89°07'51"W - 2478.79' (Meas.)

1985 Alum. Cap  
0.5' Below Ground  
LS 40.094808°  
Long: 104.602653°

31

N00°43'38"E - 2679.09' (Meas.)

N00°43'41"E - 2674.65' (Meas.)

N00°38'17"E - 2654.20' (Meas.)

N00°38'30"E - 2664.42' (Meas.)

S89°07'33"W - 2644.80' (Meas.)

S89°41'11"W - 2649.62' (Meas.)

S89°41'15"W - 2450.68' (Meas.)

S89°41'16"E - 1532.82'

929'

2450' FILL

2650' FILL

0' FSL

Target Bottom Hole

LAND JG #31-36D  
Elev. Ungraded  
Ground = 4933'

Alum. Cap  
0.2' Below Ground  
LS 25937  
Lat: 40.087417°  
Long: 104.602675°

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