

T7N, R65W, 6th P.M.

GREAT WESTERN OIL & GAS COMPANY

Well location, GUSTAFSON EF 31-374HN, located as shown in LOT 1 of Section 31, T7N, 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.

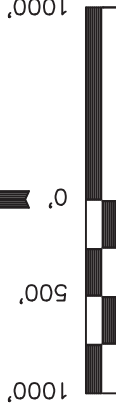
BASIS OF BEARINGS

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

LEGEND:

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

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S62°54'05"E	410.78'



CERTIFICATE OF REGISTRATION  
THIS IS TO CERTIFY THAT THE ABOVE PLA WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
Private Alum. Cap.  
#23501, 0.3' Below  
Ground in Monument Box  
Lat: 40.524247°  
Long: 104.696850°  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 28285  
STATE OF COLORADO  
2009-13

REVISED: 12-03-13 H.K.W.

UNTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10-28-13	11-05-13
PARTY	REFERENCES	
DALLAS NIELSEN G.W. J.W.	G.L.O. PLAT	
WEATHER	FILE	
HOT	GREAT WESTERN	
	OIL & GAS COMPANY	

Private Alum. Cap.  
#23513, 0.6' Below  
Ground in Monument Box  
Lat: 40.538758°  
Long: 104.696697°

S88°53'43"E - 2585.27' (Meas.)

1998 Private Alum. Cap.  
#22098, 0.3' Below  
Ground in Monument Box  
Lat: 40.538964°  
Long: 104.705992°

N00°09'55"W - 2638.97' (Meas.)

1996 Private Alum. Cap.  
#10855, 0.3' Below  
Ground in Monument Box  
Lat: 40.531517°  
Long: 104.696761°

S88°55'03"E - 2617.42' (Meas.)

W.C. 1988 Private Alum. Cap. #22098, 0.3' Above Ground  
Lat: 40.531694°  
Long: 104.706172°

N00°01'34"W - 2650.20' (Meas.)

2641.69' (Meas. To True)

N00°31'47"E

2631.69' (Meas. To W.C.)

S88°44'28"E - 2643.22' (Meas.)

1994 Private Alum. Cap.  
#10855, 0.5' Below  
Ground in Monument Box  
Lat: 40.524475°  
Long: 104.706350°

S88°55'13"E - 2699.56' (Meas.)

N00°30'47"W - 2646.37' (Meas.)

1713'

Target Bottom Hole

470'

4353.95'

50078'47"E

460'

Entry Point

1722'

1357'

GUSTAFSON EF 31-374HN

Elev. Ungraded

Ground = 4829'

LOT 2

LOT 3

LOT 4

LOT 1

LOT 5

LOT 6

LOT 7

LOT 8

LOT 9

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (ENTRY POINT)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°31'33.01" (40.525836)	LATITUDE = 40°32'16.01" (40.537781)	LATITUDE = 40°32'17.90" (40.538306)
LONGITUDE = 104°42'34.99" (104.709719)	LONGITUDE = 104°42'34.76" (104.709656)	LONGITUDE = 104°42'39.47" (104.710964)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (ENTRY POINT)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°31'33.08" (40.525856)	LATITUDE = 40°32'16.09" (40.537803)	LATITUDE = 40°32'17.97" (40.538325)
LONGITUDE = 104°42'33.12" (104.709200)	LONGITUDE = 104°42'32.89" (104.709136)	LONGITUDE = 104°42'37.60" (104.710444)

PDOP = 1.6