

T10N, R58W, 6th P.M.

2010 UELS Alum. Cap.
0.2' High, RLS 17492
Lat: 40.802042°
Long: 103.898872°

S89°43'54"W - 2644.56' (Meas.)

Target
Bottom
Hole

S89°44'06"W
2644.66' (Meas.)

2010 UELS Alum. Cap.
0.3' High, RLS 17492
Lat: 40.802117°
Long: 103.879772°

2012 UELS Alum. Cap.
Flush W/Ground,
PLS 28285
Lat: 40.802081°
Long: 103.8893322°

NOTE:
THE PROPOSED BOTTOM HOLE FOR THIS WELL
IS LOCATED IN THE NW 1/4 SE 1/4 OF SECTION
29, T10N, R58W, 6th P.M. AT 1980' FSL
1977' FEL. IT BEARS N01°26'48"W
6928.68' FROM THE PROPOSED WELL HEAD.

2012 UELS Alum. Cap.
0.8' Below Ground,
PLS 28285
Lat: 40.794811°
Long: 103.898472°

2012 UELS Alum. Cap.
0.1' High, PLS 28285
Lat: 40.794872°
Long: 103.879514°

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

RAZOR #32-2933H
Elev. Ungraded Ground = 4750'

N02°22'06"W - 2637.59' (Meas.)

N02°22'07"W - 2637.64' (Meas.)

S89°49'53"W - 2606.35' (Meas.)

S89°49'51"W - 2606.34' (Meas.)

S01°32'09"E - 2640.92' (Meas.)

S01°32'04"E - 2640.94' (Meas.)

2010 UELS Alum. Cap.
0.5' Below Ground
Lat: 40.787578°
Long: 103.898072°

2012 UELS Alum. Cap.
0.6' High, PLS 28285
Lat: 40.787606°
Long: 103.888664°

2010 UELS Alum. Cap.
0.3' Below Ground
Lat: 40.787628°
Long: 103.879253°

LEGEND:

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

WHITTING OIL & GAS CORP.

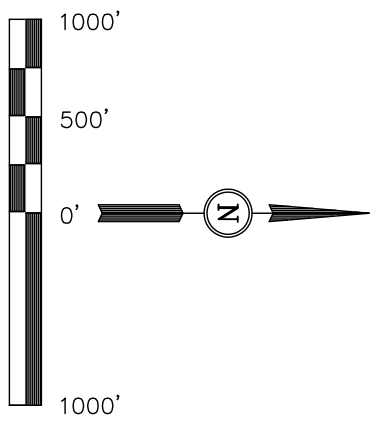
Well location, RAZOR 32-2933H (SURFACE LOCATION), located as shown in the SW 1/4 SE 1/4 of Section 32, T10N, R58W, 6th P.M., Weld County, Colorado.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 15, T9N, R58W, 6th P.M. TAKEN FROM THE RIVER BEND, QUADRANGLE, COLORADO, WELD COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4679 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. 17492
STATE OF COLORADO
05-07-12

REVISED 05-04-12 W.M.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

PDOP = 2.8	
NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°47'18.66" (40.788517)	
LONGITUDE = 103°53'10.87" (103.886353)	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°47'18.71" (40.788531)	
LONGITUDE = 103°53'09.06" (103.88585)	
SCALE 1" = 1000'	DATE SURVEYED: 04-19-12
PARTY D.N. G.W. B.L.B.	DATE DRAWN: 05-01-12
WEATHER WARM	REFERENCES G.L.O. PLAT
	FILE WHITTING OIL & GAS CORP.

T10N, R58W, 6th P.M.

WHITTING OIL & GAS CORP.

2011 UELS Alum. Cap,
0.2' High, PLS 28285
Lat: 40.816467°
Long: 103.899111°

2012 UELS Alum. Cap,
Flush W/Ground, PLS 28285
Lat: 40.816567°
Long: 103.899556°

2010 UELS Alum. Cap,
Flush W/Ground
RLS 17492
Lat: 40.816664°
Long: 103.880000°

N89°15'41"E - 2645.73' (Meas.)

N89°15'43"E - 2645.64' (Meas.)

BASIS OF ELEVATION

Well location, RAZOR 32-2933H (TARGET BOTTOM HOLE), located as shown in the NW 1/4 SE 1/4 of Section 29, T10N, R58W, 6th P.M., Weld County, Colorado.

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 15, 19N, R58W, 6th P.M. TAKEN FROM THE RIVER BEND, QUADRANGLE, COLORADO, WELD COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4679 FEET.

BASIS OF BEARINGS

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

N00°41'01"W - 2628.68' (Meas.)

NOTE:
THE PROPOSED BOTTOM HOLE BEARS N01°26'48"W 6828.68' FROM THE PROPOSED WELL HEAD WHICH IS LOCATED IN THE SW 1/4 SE 1/4 OF SECTION 32, T10N, R58W, 6th P.M., AT 330' FSL, 1957' FEL.

2011 UELS Alum. Cap,
0.3' High, PLS 28285
Lat: 40.809236°
Long: 103.898992°

2012 UELS Alum. Cap,
0.1' High, PLS 28285
Lat: 40.809389°
Long: 103.879886°

S00°39'32"E - 2650.45' (Meas.)

N00°40'57"W - 2628.65' (Meas.)

2012 UELS Alum. Cap,
Flush W/Ground,
PLS 28285
Lat: 40.802081°
Long: 103.889322°

2010 UELS Alum. Cap,
0.3' High, RLS 28285
Lat: 40.802117°
Long: 103.879772°

S00°39'29"E - 2650.44' (Meas.)

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

29
RAZOR #32-2933H
Target Bottom Hole

1977'

1980'
N01°26'48"W - 6828.68'

S89°43'54"W - 2644.56' (Meas.)
2010 UELS Alum. Cap,
0.2' High, RLS 17492
Lat: 40.802042°
Long: 103.898872°

S89°44'06"W
2644.66' (Meas.)

Surface
Location

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

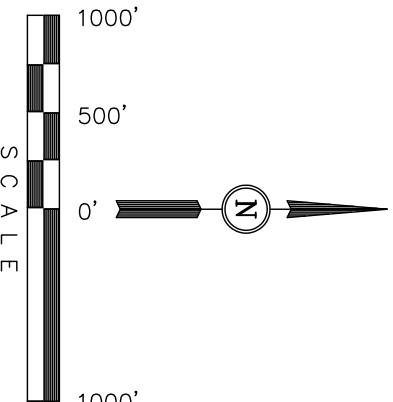
NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE =	40°48'27.08" (40.807522)
LONGITUDE =	103°53'13.19" (103.886997)
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE =	40°48'27.13" (40.807536)
LONGITUDE =	103°53'11.38" (103.886494)

UTIAH ENGINEERING & LAND SURVEYING			
85 SOUTH 200 EAST - VERNAL, UTAH 84078			
(435) 789-1017			
SCALE	1" = 1000'	DATE SURVEYED:	DATE DRAWN:
PARTY	D.N. G.W. B.L.B.	REFERENCES	G.L.O. PLAT
WEATHER	WARM	FILE	WHITTING OIL & GAS CORP.

REVISED 05-07-12 W.M.

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REGISTRATION NO. 17492
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05-07-12



CERTIFICATE