

T10N, R58W, 6th P.M.

WHITING OIL & GAS CORP.

2011 UELS Alum. Cap.
#17492
Lat: 40.830928°
Long: 103.880225°

2012 UELS Alum. Cap.
#28285, 0.3' High
Lat: 40.831072°
Long: 103.870636°

2012 UELS Alum.
Cap, #28285,
0.5' Below Ground
Lat: 40.831214°
Long: 103.861069°

N88°54'00"E
2648.73' (Meas.)

N88°54'08"E - 2655.05' (Meas.)

N00°39'38"W - 2599.56' (Meas.)

N00°28'15"W - 2645.80' (Meas.)

2012 UELS Alum. Cap.
#28285, 0.3' High
Lat: 40.823794°
Long: 103.880114°

2012 UELS Alum.
Cap, #28285,
0.5' Below Ground
Lat: 40.823953°
Long: 103.860986°

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

2012 UELS Alum. Cap.
0.5' High
Lat: 40.816736°
Long: 103.870442°

2010 UELS Alum. Cap.
0.5' Below Ground
Lat: 40.816692°
Long: 103.860906°

LEGEND:

└─ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

N88°54'00"E
2648.73' (Meas.)

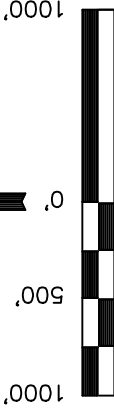
2013'

RAZOR #21B-2809A
Elev. Ungraded Ground = 4839'

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 15, T9N, R58W, 6th P.M. TAKEN FROM THE GATEHOOK SPRING, 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.



S C A L E

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 # 17492
STATE OF COLORADO
03-08-13

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

PDOP = 1.3	
NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°49'48.73" (40.830203)	
LONGITUDE = 103°52'05.99" (103.868531)	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°49'00.05" (40.816681)	
LONGITUDE = 103°52'04.18" (103.867828)	

SCALE 1" = 1000'	DATE SURVEYED: 02-22-13	DATE DRAWN: 03-01-13
PARTY J.H. C.M. A.D.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE	
WHITING OIL & GAS CORP.		

T10N, R58W, 6th P.M.

WHITING OIL & GAS CORP.

2010 UELS Alum. Cap,
#17492, Flush W/Ground
Lat: 40.816664°
Long: 103.860000°

2012 UELS Alum.
Cap, 0.5' High
Lat: 40.816736°
Long: 103.870442°

2010 UELS Alum. Cap,
0.5' Below Ground
Lat: 40.816692°
Long: 103.860906°

Surface
Location

Well location, RAZOR #21B-2809A (TARGET
BOTTOM HOLE), located as shown in the SW 1/4
NE 1/4 of Section 28, T10N, R58W, 6th P.M.,
Weld County, Colorado.

N89°26'39"E - 2646.52' (Meas.)

S89°38'23"E - 2640.06' (Meas.)

N00°39'32"W - 2650.44' (Meas.)

N00°50'25"W - 2652.82' (Meas.)

NOTE:
THE PROPOSED BOTTOM HOLE BEARS
S02°56'31"W 7489.14' FROM THE PROPOSED
WELL HEAD WHICH IS LOCATED IN THE NW
1/4 NE 1/4 OF SECTION 21, T10N, R58W,
6th P.M. AT 329' FNL 2013' FEL.

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

28

RAZOR #21B-2809A
Target Bottom Hole

2012 UELS Alum. Cap,
#28285, 0.6' Below Ground
Lat: 40.809414°
Long: 103.860764°

2475'

N89°57'03"E - 2651.65' (Meas.)

N89°57'02"E - 2651.62' (Meas.)

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

2010 UELS Alum. Cap,
0.5' Below Ground
Lat: 40.802136°
Long: 103.860622°

— = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)

LATITUDE = 40°48'34.84" (40.809678)

LONGITUDE = 103°52'10.95" (103.869708)

NAD 27 (TARGET BOTTOM HOLE)

LATITUDE = 40°48'34.89" (40.809692)

LONGITUDE = 103°52'09.14" (103.869206)

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF
SECTION 15, T9N, R58W, 6th P.M. TAKEN FROM THE
GATEHOOK SPRING, 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.



1000'
0
500'
1000'

S C A L E

CERTIFICATE

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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
REGISTRATION # 17492
EXPIRATION DATE 04-04-13

REVISION: 04-04-13

UNTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000' DATE SURVEYED: 02-22-13 DATE DRAWN: 03-01-13

PARTY

J.H. C.M. A.D.

REFERENCES

G.L.O. PLAT

WEATHER

COLD

FILE

WHITING OIL & GAS CORP.