

Surface Location

T10N, R57W, 6th. P.M.

WHITING OIL & GAS CORP.

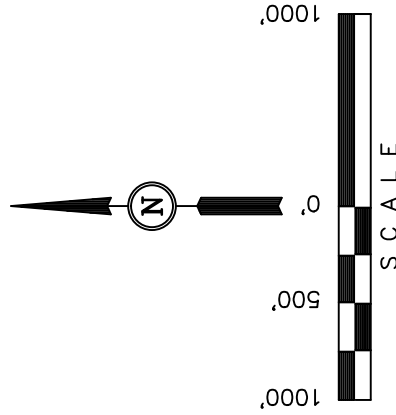
Well location, HORSETAIL #08D-1704 (TARGET BOTTOM HOLE), located as shown in the SW 1/4 SW 1/4 of Section 17, T10N, R57W, 6th. P.M., Weld County, Colorado.

BASIS OF ELEVATION

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



CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT THE ABOVE DATA 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.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO
EXPIRATION DATE 12-31-13

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

SCALE 1" = 1000'	DATE SURVEYED: 11-26-13	DATE DRAWN: 12-20-13
PARTY DALLAS NIELSEN G.W. H.K.W.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE	WHITING OIL & GAS CORP.

1917, Brass Cap,
0.5' High
Lat: 40.846303°
Long: 103.765944°
N89°33'26"E - 2651.12' (Meas.)

N89°33'26"E
2653.00' (Meas.)

500°47'26"E - 2659.55' (Meas.)

2011, Alum. Cap,
0.4' High
Lat: 40.839011°
Long: 103.765839°

NOTE:
THE PROPOSED TARGET BOTTOM HOLE
BEARS S04°02'44"E 10175.54' FROM THE
PROPOSED WELL HEAD WHICH IS LOCATED IN
THE NW 1/4 NW 1/4 OF SECTION 8, T10N,
R57W, 6th. P.M. AT 381' FNL 590' FWL.

1917, Brass Cap,
0.6' High
Lat: 40.831714°
Long: 103.765714°

S89°32'06"W - 2651.09' (Meas.)

1917, Brass Cap,
0.5' High
Lat: 40.831661°
Long: 103.784878°

LEGEND:

— = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°49'54.87" (40.831908)
LONGITUDE = 103°46'50.56" (103.780711)
NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°49'54.92" (40.831922)
LONGITUDE = 103°46'48.75" (103.780208)

T10N, R57W, 6th. P.M.

WHITING OIL & GAS CORP.

Well location, HORSETAIL #08D-1704, (SURFACE LOCATION), located as shown in the NW 1/4 NW 1/4 of Section 8, T10N, R57W, 6th. P.M., Weld County, Colorado.

BASIS OF ELEVATION

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BASIS OF BEARINGS

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

2006, Alum. Cap,
0.9' Below Ground
Lat: 40.860797°
Long: 103.785433°

N89°39'33"E - 2648.48' (Meas.)

HORSETAIL
#08D-1704
Elev. Ungraded
Ground = 4958'

S89°46'18"E - 2647.47' (Meas.)

2006, Alum. Cap,
0.8' Below Ground
Lat: 40.860836°
Long: 103.775861°

S01°00'42"E - 2662.95' (Meas.)

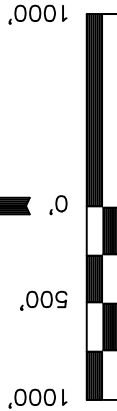
2006, Alum. Cap,
0.1' Below Ground
Lat: 40.853497°
Long: 103.785283°

N01°04'20"W - 2659.64' (Meas.)

S04°02'44"E
10175.54'

NOTE:
THE PROPOSED TARGET BOTTOM HOLE FOR
THIS WELL IS LOCATED IN THE SW 1/4 SW
1/4 OF SECTION 17, T10N, R57W, 6th. P.M.,
AT 100' FSL 1155' FWL IT BEARS S04°02'44"E
10175.54' FROM THE PROPOSED WELL HEAD.

1917, Brass Cap,
1.6' High
Lat: 40.853608°
Long: 103.766106°



S C A L E

1917, Brass Cap,
0.1' High
Lat: 40.846250°
Long: 103.775522°

S89°32'55"W - 2651.12' (Meas.)

S89°33'26"W
2653.00' (Meas.)

1917, Brass Cap,
0.4' High
Lat: 40.846200°
Long: 103.785111°

LEGEND:

└─ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

Target Bottom Hole

PDOP = 1.5

NAD 83 (SURFACE LOCATION)	
LATITUDE =	40°51'35.14" (40.859761)
LONGITUDE =	103°46'59.81" (103.783281)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°51'35.20" (40.859778)
LONGITUDE =	103°46'58.00" (103.782778)

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FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
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BEST OF MY KNOWLEDGE AND BELIEF.
REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO
J. D. [Signature]
JUL 20 2008

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

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