

WHITING OIL & GAS CORP.

R	57	W
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R	58	W

Target Bottom Hole 0

$589^{\circ}44'58''E - 2560.47' (Meas.)$

1917 BLM Brass
Cap, 1.0' High
Lat: 40.817086°
Long: 103.803497°

LOT 1

LOT 2

LOT 3

LOT 4

N89°17'46"W - 2514.76' (Meas.)

1917 Brass Cap,
1.8' High
Lat: 40.802467°
Long: 103.794042°

$N 89^{\circ} 42' 21'' W - 2660.62' (Meas.)$

1917 Brass Cap,
0.4' High
Lat: 40.802425
Long: 103.78443

LEGEND:

$$= 90^\circ \text{ SYMBOL}$$

 = PROPOSED WELLHEAD.

◆ = TOP OF PRODUCTION.

SECTION CORNERS LOCATED:

$$\text{PDOP} = 1.5$$

NAD 83 (TOP OF PRODUCTION)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°48'35.98" (40.809994)	LATITUDE = 40°48'38.32" (40.810644)
LONGITUDE = 103°47'07.05" (103.785292)	LONGITUDE = 103°47'11.76" (103.786600)
NAD 27 (TOP OF PRODUCTION)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°48'36.03" (40.810008)	LATITUDE = 40°48'38.37" (40.810658)
LONGITUDE = 103°47'06.21" (103.784780)	LONGITUDE = 103°47'09.09" (103.786000)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S56°52'46"E	432.86'

NOTE:
THE PROPOSED TARGET BOTTOM HOLE FOR
THIS WELL IS LOCATED IN THE NE 1/4 NE
1/4 OF SECTION 19, T10N, R57W, 6th P.M.
AT 100' FNL 123' FEL. IT BEARS N00°05'31"W
7777.74' FROM THE PROPOSED TOP OF
PRODUCTION

2556' FNL Hand drawn
4/14/16

HORSETAIL #30H-1916
Elev. Ungraded Ground = 41

30

Top of Production

$500.36^{\circ}24'E - 2660.67' (Meas.)$

1917 Brass Cap,
0.8" High
Lat: 40.809725°
Long: 103.784528°

589°50'21"E - 2664.91' (Meas.)

2011 Priv. Alum. Cap,
0.2' High, PLS #28285
Lat: 40.817050.
Long: 103.794247.

$$\frac{7777.74'}{N00^{\circ}05'31''W} - \frac{755' (Meas.)}{}$$

3.

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 4629 FEET

BASIS OF BEARINGS

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



1,000
500
0
1,000

SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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. 28285
STATE OF COLORADO

REV: 11-23-15 M.F.D.
REV: 04-29-15 J.M.C.

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

SCALE 1" = 1000'	DATE SURVEYED: 01-15-14	DATE DRAWN: 01-27-
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PARTY	REFERENCES
DALLAS NIELSEN D.S.	H.K.W. G.L.O. PLATT

WEATHER	COLD	FILE	WHITING OIL
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WHITING OIL & GAS CORP.

Lat: 40.831611°
Long: 103.784878°


 $\rightarrow 123'$

$$\frac{7777.74'}{N00.05,31''W} - \frac{8.85' (Meas.)}{}$$

1917 BLM Brass Cap,
0.4" High
Lat: 40.824294°
Long: 103.784750°

500.47'38"E - 2648.85' (Meas.)

Top of Production

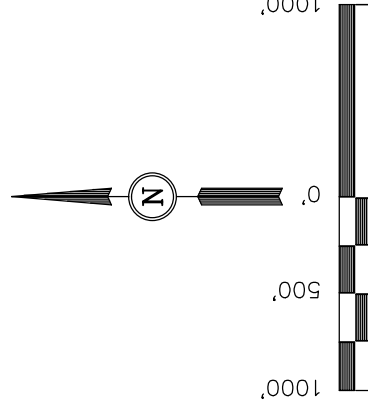
SECTION CORNERS | LOCATED:

LATITUDE = 40°49'52.87" (40.831353)

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 4279 FEET.

BASIS OF BEARINGS

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



CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE IS AN UNPREPARED AND UNRECORDED
NOTES OF ACTUAL SURVEYS MADE BY ME, ON BEHALF OF MY SUPERVISOR,
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

REV: 11-23-15 M.F.D.
REV: 04-29-15 J.M.C.

UTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	01-15-14	01-27-14

PARTY	REFERENCES
DALLAS NIELSEN D.S. H.K.W.	G.L.O. PLAT
MEATLIED	FILE

COLD WHITING OIL & GAS CORP.
FILE