

# T10N, R57W, 6th P.M.

## WHITTING OIL & GAS CORP.

Well location, HORSETAIL #18-0713H, (SURFACE LOCATION) located as shown in LOT 4 of Section 18, 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 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

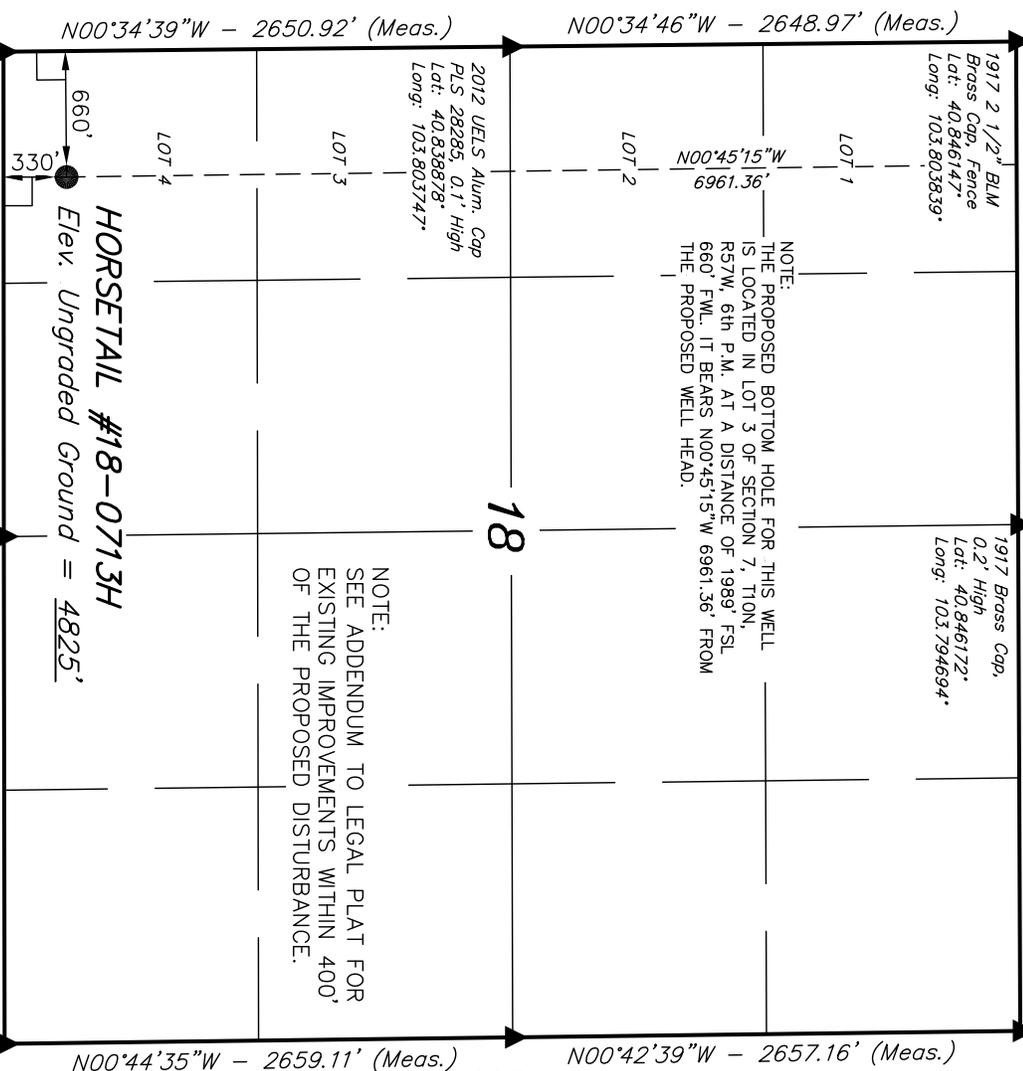
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

R 58  
W 57  
Bottom Hole

1917 2 1/2" BLM Brass Cap, 0.4' High  
Lat: 40.846200°  
Long: 103.785111

1917 2 1/2" BLM Brass Cap, Fence  
Lat: 40.846147°  
Long: 103.803639°

1917 Brass Cap, 0.2' High  
Lat: 40.846172°  
Long: 103.794694°



2011 UELS Alum. Cap, 0.4' Below Ground  
Lat: 40.838908°  
Long: 103.784997°

2012 UELS Alum. Cap PLS 28285, 0.1' High  
Lat: 40.838878°  
Long: 103.803747°

2011 2 1/2" UELS Alum. Cap, RLS #17492  
Lat: 40.831603°  
Long: 103.803653°

2011 2 1/2" UELS Alum. Cap, Flush W/ Ground RLS #17494  
Lat: 40.831606°  
Long: 103.794478°

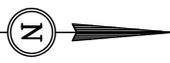
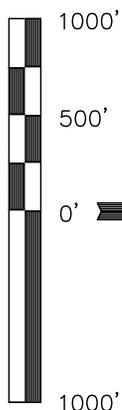
1917 BLM Brass Cap, 0.5' Above Ground  
Lat: 40.831611°  
Long: 103.784878°

1917 BLM Brass Cap, 0.2' High  
Lat: 40.846172°  
Long: 103.794694°

2011 2 1/2" UELS Alum. Cap, RLS #17492  
Lat: 40.831603°  
Long: 103.803653°

2011 2 1/2" UELS Alum. Cap, Flush W/ Ground RLS #17494  
Lat: 40.831606°  
Long: 103.794478°

1917 BLM Brass Cap, 0.5' Above Ground  
Lat: 40.831611°  
Long: 103.784878°



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.

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 1492  
STATE OF COLORADO  
09-08-12

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

SCALE 1" = 1000'  
DATE SURVEYED: 01-26-12  
DATE DRAWN: 02-08-12

PARTY Z.B. A.G. B.L.B.  
REFERENCES G.L.O. PLAT

WEATHER COLD  
FILE WHITTING OIL & GAS CORP.

PDOP = 1.5

NAD 83 (SURFACE LOCATION)	
LATITUDE =	40°49'57.03" (40.832508)
LONGITUDE =	103°48'04.61" (103.801281)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°49'57.08" (40.832522)
LONGITUDE =	103°48'02.80" (103.800778)

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

### LEGEND:

# T10N, R57W, 6th P.M.

## WHITTING OIL & GAS CORP.

Well location, HORSETAIL #18-0713H, (TARGET BOTTOM HOLE) located as shown in LOT 3 of Section 7, 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 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.

R 58  
R 57  
W 58  
W 57

N89°29'32"E - 2517.94' (Meas.)

N89°29'19"E - 2651.74' (Meas.)

2006 Private Alum.  
Cap. 0.9' Below Ground  
LS #24949  
Lat: 40.860797°  
Long: 103.785453°

N00°31'10"W - 2647.68' (Meas.)

N00°55'43"W - 2661.06' (Meas.)

2006 3 1/2" Private Alum. Cap. 0.6' Below Ground, LS #24949  
Lat: 40.853414°  
Long: 103.804036°

2006 3 1/2" Private Alum. Cap. 0.1' Below Ground, PLS #24949  
Lat: 40.853497°  
Long: 103.785283°

N01°11'48"W - 2649.08' (Meas.)

N01°04'20"W - 2659.64' (Meas.)

LOT 2  
LOT 3  
LOT 4

HORSETAIL #18-0713H  
Target Bottom Hole

NOTE:  
THE PROPOSED BOTTOM HOLE BEARS N00°45'15"W 6961.361' FROM THE PROPOSED WELL HEAD WHICH IS LOCATED IN LOT 4 OF SECTION 18, T10N, R57W, 6th P.M. AT A DISTANCE OF 330' FSL. 660' FWL.

1917 2 1/2" BLM Brass Cap, Fence  
Lat: 40.846147°  
Long: 103.803839°

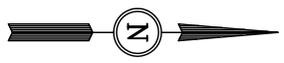
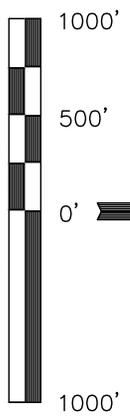
1917 Brass Cap, 0.2' High  
Lat: 40.846172°  
Long: 103.794694°

1917 2 1/2" BLM Brass Cap, 0.4' High  
Lat: 40.846200°  
Long: 103.789111°

Surface Location

### LEGEND:

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



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLATS WERE 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 NUMBER 4922  
STATE OF COLORADO  
09-08-12

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

NAD 83 (TARGET BOTTOM HOLE)	LATITUDE = 40°51'05.83" (40.851619)
	LONGITUDE = 103°48'05.81" (103.801614)
NAD 27 (TARGET BOTTOM HOLE)	LATITUDE = 40°51'05.88" (40.851633)
	LONGITUDE = 103°48'04.00" (103.801111)

SCALE	1" = 1000'	DATE SURVEYED:	01-26-12	DATE DRAWN:	02-08-12
PARTY	Z.B. A.G. B.L.B.	REFERENCES	G.I.O. PLAT		
WEATHER	COLD	FILE	WHITTING OIL & GAS CORP.		