

T. 9 S.

**Federal Northeast
Haystack #1-17**

SURFACE HOLE LOCATION

1552 FNL, 1350 FWL

Lat.: 39.275785 °

Long.: -107.466496 °

N.: 1531363.2 (COSP)

E.: 2443361.1 (COSP)

BOTTOM HOLE LOCATION

1552 FNL, 1350 FWL

Lat.: 39.275785 °

Long.: -107.466496 °

N.: 1531363.2 (COSP)

E.: 2443361.1 (COSP)

R. 90 W.

17

PROPOSED PAD ELEV.: 8464.2
EXISTING GROUND ELEV.: 8464.2

UN-SURVEYED LANDS. SECTION, TOWNSHIP AND
RANGE LINEWORK BASED ON MESA COUNTY GIS
DATA. SURVEY DATA OBTAINED FROM GPS
OBSERVATIONS IN ACCORDANCE WITH RULE
#215. REFER TO RULE 303.C.5 FOR UN-SURVEYED
LANDS IN THE STATE OF COLORADO.

(BASIS OF BEARING)
SEE NOTE # 7

1552'

1350'



THERE ARE NO VISIBLE
IMPROVEMENTS WITHIN 400'
OF THIS LOCATION

- LEGEND -

FIELD LOCATED SECTION
MONUMENTS AS DESCRIBED



FIELD SURVEYED
WELL LOCATION



CALCULATED BOTTOM
HOLE LOCATION



CALCULATED SECTION
CORNER LOCATION



NOTES

- 1) ELEVATIONS BASED ON N.A.V.D. 1988 PUBLISHED COORDINATES.
- 2) LATITUDES AND LONGITUDES ARE BASED ON NAD 83, PUBLISHED COORDINATES
- 3) STATE PLANE COORDINATES ARE BASED ON COLORADO CENTRAL ZONE, U.S. SURVEY FEET.
- 4) ELEVATION MASK SET TO 15°
- 5) GPS OPERATOR J. KIRKPATRICK, OBSERVED A PDOP OF 0.711 FOR SURVEY POINT NUMBER 10551.
- 6) SURFACE AND BOTTOM HOLE LOCATIONS ARE MEASURED 90° FROM SECTION LINES.
- 7) BASIS OF BEARING IS BASED ON GPS NORTH USING THE COSP CENTRAL ZONE, NAD 83 PROJECTION.

SURVEYORS STATEMENT

I, MICHAEL J. LANGHORNE, A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY THAT THE SURVEY SHOWN HEREON WAS PREPARED UNDER MY DIRECT SUPERVISION AND HAS BEEN STAKED ON THE GROUND AS SHOWN ON THE PLAT AND CHECKING THAT THIS MAP IS A TRUE REPRESENTATION THEREOF.

MICHAEL J. LANGHORNE, COLORADO REGISTRATION NO. 36572
FOR AND ON BEHALF OF
BOOKCLIFF SURVEY SERVICES, INC.

REFERENCES

- 1) UNSURVEYED LANDS
- 2) U.S.G.S. QUAD: QUAKER MESA, CO

136 East Third Street
Rifle, Colorado 81650
Ph. (970) 625-1330
Fax (970) 625-2773



BOOKCLIFF
Survey Services, Inc.

SURVEY DATE: 5/4/10
MAP DATE: 5/12/10
SCALE: 1" = 1000'
SHEET: 1 of 1
PROJECT: WILLSOURCE

WELL LOCATION PLAT Prepared for:



WillSOURCE Enterprise

SE1/4 NW1/4, SECTION 17
T. 9 S., R. 90 W. of the 6th. P.M.
MESA COUNTY, COLORADO