

# COLORADO WELL LOCATION

OPERATOR: Pioneer Natural Resources

WELL NAME: WD Federal 14-7 R (Revised)

SECTION 7 TOWNSHIP 33 S, RANGE 65 W OF THE 6TH P.M., IN LAS ANIMAS COUNTY

ACTUAL FOOTAGE OF WELL LOCATION:

311 feet from the WEST line and 1029 feet from the SOUTH line.

GROUND ELEV. (NAVD88)

7170'

BASIS OF BEARING: AS SHOWN

BASIS OF ELEVATION: BM "BURRO"

RDOP: 0.8

SURFACE USE: Timber

DATE STAKED: August 19, 2010

LAT: N 37.18151°

LONG: W 104.72055° (NAD27)

LAT: N 37.18153°

LONG: W 104.72110° (NAD83)

## DESCRIPTION:

WEST LINE OF THE SOUTHWEST QUARTER AND THE SOUTH LINE OF SECTION 7, T33S, R65W OF THE 6TH P.M. AND BEING MORE DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SECTION 7 BEING A 2" U.S.G.L.O. BRASS CAP AND MARKED ACCORDINGLY,

THENCE S88°04'26"W A DISTANCE OF 5249.06 FEET TO A 2" U.S.G.L.O. BRASS CAP MARKED ACCORDINGLY,

THENCE N00°57'21"E A DISTANCE OF 2622.33 FEET ENDING AT A 2" U.S.G.L.O. BRASS CAP MARKED ACCORDINGLY.

## NOTES:

THIS SURVEY WAS DONE BY GPS METHODS AND MEET AND/OR EXCEED COGCC RULE 303c AND RULE 215a-h.

NO VISIBLE IMPROVEMENTS WITHIN 200 FEET OF PROPOSED WELLHEAD UNLESS NOTED OTHERWISE.

DISTANCES ARE GROUND US SURVEY FEET AND MEASURED AT 90° (NINETY DEGREES) FROM SAID SECTION LINES TO THE WELL LOCATION.

DESIRED PDOP MAY NOT BE OBTAINED DUE TO NATIVE CONDITIONS OF SITE.

BEARINGS ARE BASED ON COLORADO SOUTH ZONE, NAD 83 AND GPS OBSERVATIONS BETWEEN THE MONUMENTS (AS SHOWN) FOUND IN THE FIELD.

ELEVATIONS ARE BASED ON GPS-RTK OBSERVATIONS TIED TO FOUND BENCHMARK "BURRO" PID HK0477

W 1/4 SEC 7  
U.S.G.L.O.  
BRASS CAP  
1924

(BASIS OF BEARINGS)  
(GLO: N0°28'W, 29.74ch)

N 00°57'21" W 2622.33'

311' ±  
1029'

SW SEC 7  
U.S.G.L.O.  
BRASS CAP  
1924

N 88°04'26" E 5249.06'  
(GLO: N88°37'E, 79.58ch)

SE SEC 7  
U.S.G.L.O.  
BRASS CAP  
1924

250 0 500 1000

(in feet)

1 inch = 1000 ft.

## LEGEND:

⊙ = WELL LOCATION

● = SURVEY MARKER (SEE DRAWING)

----- = LINES NOT RETRACED OR SURVEYED

Field Operator: N. S. Weese

I, Norman Scott Weese, a Registered Professional Land Surveyor in the state of Colorado do hereby certify to Pioneer Natural Resources, that the survey and well location certificate shown hereon were done by me or under my direct supervision and that the drawing shown hereon accurately depicts the proposed location of the well WD Federal 14-7. This certificate does not represent a land survey plat or improvement survey as defined by C.R.S. 38-51-102 and cannot be relied upon to determine ownership.

## NOTICE:

CLIENT DID NOT REQUEST THAT UTILITIES, EASEMENTS AND OR RIGHT OF WAYS BE RESEARCHED OR SHOWN ON THIS SURVEY

NO TITLE SEARCH WAS COMPLETED OF THIS SURVEY TO DETERMINE THE OWNERSHIP, RIGHT-OF-WAYS, AND OR EASEMENTS OF RECORDS.

Norman Scott Weese, CO PLS #38116

Dec 8, 2010 (REVISED)

Date Platted

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THE CERTIFICATION SHOWN HEREON.

**SHIELDS SURVEY L<sup>td.</sup> C<sup>o.</sup>**  
Raton, New Mexico 87740  
(505)445-1232