

WELL LOCATION CERTIFICATE

SECTION 15, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

NW CRN SEC. 15
3.25" AC LS 33642

S89°41'02"W 2693.4'

S89°41'58"W 2644.1'

NE CRN SEC. 15
3.25" AC LS 7242

N1/4 CRN SEC. 15
3.25" AC LS 34995

N89°41.5'E 4324'

BH = 640' FNL,
500' FEL.

LAT. & LONG. = N 40.58076°
W 104.75610°

2653.9'

285'
360'
S40°21'E
366'

2652.7'

S00°18'51"E

NOTES:

THIS IS A DIRECTIONAL DRILL WELL.
BOTTOM HOLE AT 640' FNL, 500' FEL.

WELL FALLS IN A PLOWED FIELD.
SEE LOCATION DRAWING FOR IMPROVEMENTS

N00°56'30"W

E1/4 CRN SEC. 15
3.25" AC LS 7242

W1/4 CRN SEC. 15
3.25" AC LS 10855

2659.2'

BASIS OF BEARINGS

GROUND ELEVATION = 4970'
LAT. & LONG. = N 40.58150°
W 104.77250°

2648.9'

S00°19'01"E

S00°02'42"E

SW CRN SEC. 15
3.25" AC LS 10855

N89°34'09"E 2676.9'

S1/4 CRN SEC. 15
3.25" AC LS 4392

N89°33'56"E 2677.1'

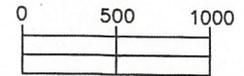
SE CRN SEC. 15
3.25" AC LS 4392

I HEREBY STATE TO PERTOLEUM DEV. CORP. THAT THE SURFACE LOCATION FOR THE WELL THORNTON 15E-432 IS LOCATED 360' FNL & 285' FWL, SEC. 15, T7N, R66W, 6PM.



LEGEND

- = FOUND MONUMENT
- = PROPOSED WELL
- = BOTTOM HOLE



SCALE 1" = 1000'

ELEVATION SOURCE = USGS 7.5' QUAD.MAP CONTOURS
NGVD 1929 DATUM.

LAT. & LONG. ARE DIFFERENTIALLY CORRECTED (WGS'84)
USING (DGPS) WITH (PDOP) VALUE OF 1.5.

THOMAS G. CARLSON, PLS 24657
HORSESHOE SURVEYING, LLC

SHOWN DISTANCES ARE FIELD MEASURED - EXTERIOR SECTION LINES
ARE DRAWN TO SCALE (BEST APPROX. OR FOUND MONUMENT).

THIS IS NOT A MONUMENTED BOUNDARY SURVEY, IT IS ONLY A
DRAWING INTENDED TO DEPICT THE WELL LOCATION TO SECTION LINES.

DISTANCES TO WELL SHOWN PERPENDICULAR
TO SECTION LINES.

PREPARED BY:	HORSESHOE SURVEYING, LLC PO BOX 150458 LAKEWOOD, CO 80215 (720)872-0196	WELL NAME:	THORNTON 15E-432	
DRAWING DATE:		LOCATION:	WELD COUNTY, CO NW1/4, SEC. 15, T7N, R66W, 6TH P.M.	
8-26-14		JOB NO.	SHEET NO.	
FIELD DATE:	BY:	CHKD:	1 OF 1	
4-23-12	TGC			