

WELL LOCATION CERTIFICATE — (PG. 1)

PART OF S.28 & N 1/2 S.33, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

NW CRN SEC. 28
3.25" AC LS 7242
N 40.55310°
W 104.79265°

S89°28'57"W

N1/4 CRN SEC. 28
3.25" AC LS 22595
N 40.55315°
W 104.78305°

NE CRN SEC. 28
3.25" AC LS 22595
N 40.55319°
W 104.77344°

NOTES:

THIS IS A HORIZONTAL DRILL WELL
BOTTOM HOLE AT 2140' FNL, 1877' FWL SEC. 33
WELL FALLS IN A GRASS FIELD.
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4895'
LAT. & LONG. = N 40.54649°
W 104.79033°

W1/4 CRN SEC. 28
2.5" AC LS 16154
N 40.54578°
W 104.79297°

E1/4 CRN SEC. 28
2.5" AC LS 12374
N 40.54591°
W 104.77380°

BASIS OF BEARINGS

SW CRN SEC. 28
2.5" AC LS 28285
N 40.53844°
W 104.79331°

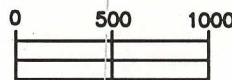
N 40.53853°
W 104.78374°
S1/4 CRN SEC. 28
3.25" AC LS 7242

SE CRN SEC. 28
2.5" AC LS 23513
N 40.53882°
W 104.77417°

W1/4 CRN SEC. 33
2.5" AC LS 16154
N 40.53106°
W 104.79369°

E1/4 CRN SEC. 33
2.5" AC LS 23513
N 40.53131°
W 104.77453°

BH = 2140' FNL
1877' FWL
N 40.53263°
W 104.78683°



SCALE 1" = 1000'

LEGEND

- = FOUND MONUMENT
- = PROPOSED TANK SITE
- = BOTTOM HOLE

N88°52'57"E
N 40.53119°
W 104.78411°

PREPARED BY:

HORSESHOE SURVEYING, LLC
PO BOX 150458
LAKEWOOD, CO 80215
(720)872-0196

WELL NAME:

THORNTON 28K-223

DRAWING DATE:

4-27-13

LOCATION:

WELD COUNTY, CO

FIELD DATE:

4-26-13

BY:

TGC

SHEET:

1 OF 2

NW1/4, SEC. 28, T7N, R66W, 6TH P.M.

WELL LOCATION CERTIFICATE — (PG. 2)

PART OF S.28 & N 1/2 S.33, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

W1/4 CRN SEC. 28
2.5" AC LS 16154
N 40.54578°
W 104.79297°

E1/4 CRN SEC. 28
2.5" AC LS 12374
N 40.54591°
W 104.77380°

NOTES:

THIS IS A HORIZONTAL DRILL WELL
BOTTOM HOLE AT 2140' FNL, 1877' FWL SEC. 33
WELL FALLS IN A GRASS FIELD.
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4895'
LAT. & LONG. = N 40.54649°
W 104.79033°

BASIS OF BEARINGS

SW CRN SEC. 28
2.5" AC LS 28285
N 40.53844°
W 104.79331°

SE CRN SEC. 28
2.5" AC LS 23513
N 40.53882°
W 104.77417°

S1/4 CRN SEC. 28
3.25" AC LS 7242
N 40.53853°
W 104.78374°

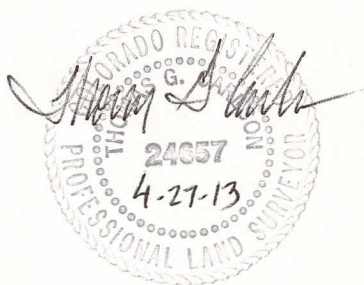
W1/4 CRN SEC. 33
2.5" AC LS 16154
N 40.53106°
W 104.79389°

E1/4 CRN SEC. 33
2.5" AC LS 23513
N 40.53131°
W 104.77453°

BH = 2140' FNL
1877' FWL
N 40.53263°
W 104.78683°

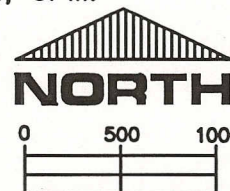
N 40.53119°
W 104.78411°

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE WELL THORNTON 28K-223 IS LOCATED 2422' FNL & 727' FWL, SEC. 28, 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 A (PDOP) VALUE OF 1.8.

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

DISTANCES TO SITE SHOWN PERPENDICULAR
TO SECTION LINES.

PREPARED BY:

HORSESHOE SURVEYING, LLC
PO BOX 150458
LAKEWOOD, CO 80215
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WELL NAME:

THORNTON 28K-223

DRAWING DATE:

4-27-13

LOCATION:

WELD COUNTY, CO

FIELD DATE:

4-26-13

BY:

TGC

SHEET:

2 OF 2

NW1/4, SEC. 28, T7N, R66W, 6TH P.M.