

# WELL LOCATION CERTIFICATE

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

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

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

BASIS OF BEARINGS  
N01°54'37"E  
2679.2'

**NOTES:**  
THIS IS A HORIZONTAL DRILL WELL  
BOTTOM HOLE AT 2140' FNL, 541' FEL SEC. 33  
WELL FALLS IN A PLOWED FIELD.  
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4935'  
LAT. & LONG. = N 40.54548°  
W 104.77685°

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

S89°09'37"W 2659.8'

S89°09'49"W

2659.3'

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°

2677.9'

4308'

2664.7'

S02°08'22"W

S02°06'07"W

N02°03'23"E

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

BH = 2140' FNL  
541' FEL  
N 40.53276°  
W 104.77641°

N88°52'57"E

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

2662.2'

N 40.53119°  
W 104.78411°

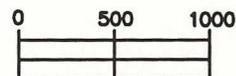
2662.1'

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE WELL THORNTON 28W-443 IS LOCATED 2510' FSL & 840' FEL, 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.

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 SITE SHOWN PERPENDICULAR  
TO SECTION LINES.

<b>PREPARED BY:</b>	HORSESHOE SURVEYING, LLC PO BOX 150458 LAKEWOOD, CO 80215 (720)872-0196	<b>WELL NAME:</b>	THORNTON 28W-443
<b>DRAWING DATE:</b> 4-28-13		<b>LOCATION:</b>	WELD COUNTY, CO SE1/4, SEC. 28, T7N, R66W, 6TH P.M.
<b>FIELD DATE:</b> 4-26-13	<b>BY:</b> TGC	<b>SHEET:</b>	1 OF 1