



Corporate Office

1775 Sherman Street, #3000
Denver, Colorado 80203
303.860.5800
www.pdce.com

June 14, 2013

State of Colorado, Oil & Gas Conservation Commission
Attn: Matt Lepore
1120 Lincoln Street, Suite 801
Denver, CO 80203

Re: **Letter to the Director, Rule 318A.e.**
Thornton 28W-443
NESE, Section 28 T7N R66W
Weld County, Colorado

Dear Director:

PDC Energy ("PDC") hereby certifies to the Director that PDC holds all minerals in the proposed 160 acre wellbore spacing unit consisting of the E2SE of Section 28 and E2NE of Section 33 in T7N R66W; therefore, no 30-day notice is needed to owners in the proposed wellbore spacing unit. This horizontal well location crosses existing unit boundaries and requires the formation of the proposed unit. PDC hereby requests the Director to approve the well.

If you should have any questions or concerns regarding this permit, please contact the undersigned at (303) 860-5800.

Sincerely,

A handwritten signature in blue ink, appearing to read "Liz Lindow", written over the word "Sincerely,".

Liz Lindow
Regulatory Analyst
PDC Energy, Inc.

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'

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

S89°09'49"W 2659.3'

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°

S02°08'22"W

S02°06'07"W

N88°52'57"E

N 40.53119°
W 104.78411°

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

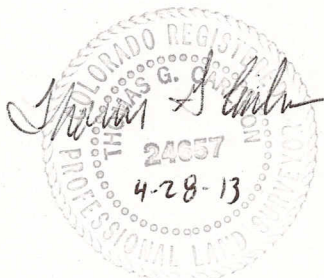
S02°03'W

4308'

N02°03'23"E

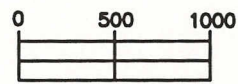
E1/4 CRN SEC. 33
2.5" AC LS 23513
N 40.53131°
W 104.77453°

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.

PREPARED BY:

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

WELL NAME:

THORNTON 28W-443

DRAWING DATE:

4-28-13

LOCATION:

WELD COUNTY, CO

FIELD DATE:

4-26-13

BY:

TGC

SHEET:

1 OF 1

SE1/4, SEC. 28, T7N, R66W, 6TH P.M.