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**Corporate Office**

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

February 8, 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 15F-432  
NWNW, Section 15 T7N R66W  
Weld County, Colorado

Dear Director:

PDC Energy ("PDC") hereby certifies to the Director that PDC holds all minerals in the proposed 320 acre wellbore spacing unit consisting of the N2 of Section 15 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".

Liz Lindow  
Regulatory Analyst  
PDC Energy, Inc.

# 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

285'  
360'

S05°00'E  
1164'

BH = 1520' FNL,  
500' FEL.  
LAT. & LONG. = N 40.57835°  
W 104.75605°

N89°41.5'E

4474'

## NOTES:

THIS IS A DIRECTIONAL DRILL WELL.  
BOTTOM HOLE AT 1520' FNL, 500' FEL.

WELL FALLS IN A PLOWED FIELD

SEE LOCATION DRAWING FOR IMPROVEMENTS

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

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

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

BASIS OF BEARINGS

2653.9'

S00°18'51"E

2659.2'

S00°19'01"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

2648.9'

S00°02'42"E

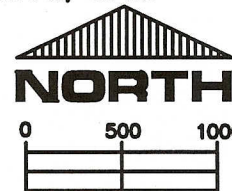
2652.7'

N00°56'30"W

I HEREBY STATE TO PERTOLEUM DEV. CORP. THAT THE SURFACE LOCATION FOR THE  
WELL THORNTON 15F-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.

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

DISTANCES TO WELL SHOWN PERPENDICULAR  
TO SECTION LINES.

THOMAS G. CARLSON, PLS 24657  
HORSESHOE SURVEYING, LLC

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

PREPARED BY:

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

WELL NAME:

THORNTON 15F-432

LOCATION:

WELD COUNTY, CO  
NW1/4, SEC. 15, T7N, R66W, 6TH P.M.

DRAWING DATE:

5-16-12

FIELD DATE:

4-23-12

BY:

TGC

CHKD:

JOB NO.

SHEET NO.

1 OF 1