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

December 11, 2012

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

Re: **Letter to the Director, Rule 318A.m.**  
Thornton 11V-404  
NENE, Section 11, T7N, R66W  
Weld County, Colorado

Dear Director:

Petroleum Development Corporation doing business as 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 Sec 11 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 11, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

NW CRN SEC. 11  
3.25" AC LS 4392

NE CRN SEC. 11  
3.25" AC LS 4392

N88°23'32"E 2713.9'

N88°26'15"E 2702.7'

N1/4 CRN SEC. 11  
3.25" AC LS 4392

2663.6'

BH = 1520' FNL,  
500' FWL  
LAT. & LONG. = N 40.59299°  
W 104.75257°

1298'  
534'

S88°24'W 4264'

S27°20'W  
252'

2733.2'

BASIS OF BEARINGS

S00°42'40"E

W1/4 CRN SEC. 11  
3.25" AC LS 12374

E1/4 CRN SEC. 11  
3.25" AC LS 10855

2651.3'

**NOTES:**

THIS IS A HORIZONTAL DRILL WELL.  
BOTTOM HOLE AT 1520' FNL, 500' FWL.  
WELL FALLS IN A WHEAT FIELD.  
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4961'  
LAT. & LONG. = N 40.59383°  
W 104.73680°

2733.7'

N00°37'50"W

S02°57'11"E

SW CRN SEC. 11  
3.25" AC LS 7242

S1/4 CRN SEC. 11  
3.25" AC LS 7242

N89°54'10"W 2701.6'

S89°52'44"W

2826.2'

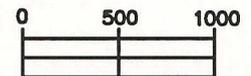
SE CRN SEC. 11  
3.25" AC LS 8142

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE WELL THORNTON 11V-404 IS LOCATED 1298' FNL & 534' FEL, SEC. 11, 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 1.8.

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 WELL SHOWN PERPENDICULAR TO SECTION LINES.

PREPARED BY: HORSESHOE SURVEYING, LLC PO BOX 150458 LAKEWOOD, CO 80215 (720)872-0196		WELL NAME: THORNTON 11V-404  LOCATION: WELD COUNTY, CO NE1/4, SEC. 11, T7N, R66W, 6TH P.M.			
DRAWING DATE: 9-27-12	FIELD DATE: 9-20-12	BY: TGC	CHKD:	JOB NO.	SHEET NO. 1 OF 1