



Corporate Office
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Denver, Colorado 80203
303.860.5800
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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

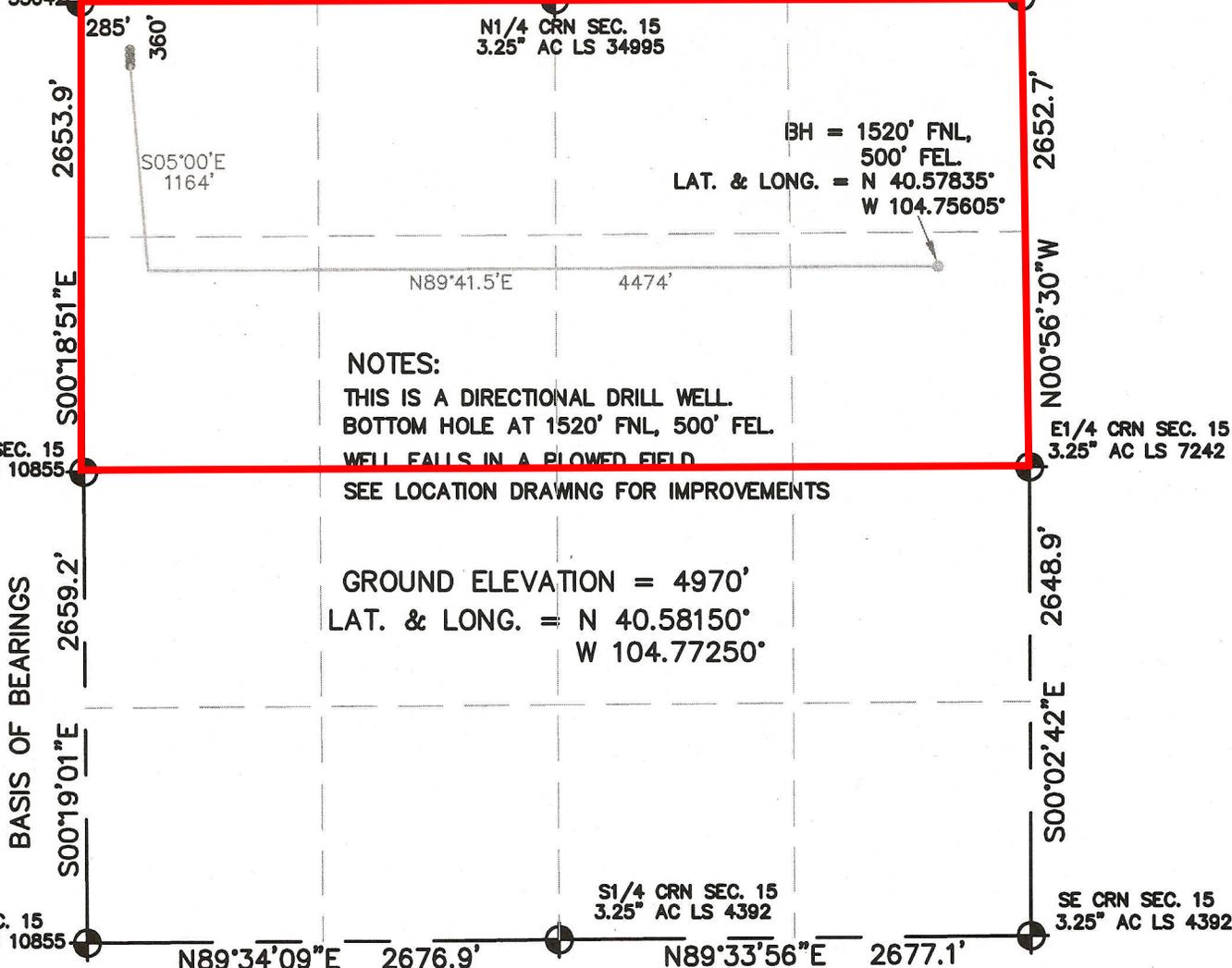
SECTION 15, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

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



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°

BASIS OF BEARINGS

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

NORTH

0 500 1000

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.

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.

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.

PREPARED BY: HORSESHOE SURVEYING, LLC PO BOX 150458 LAKEWOOD, CO 80215 (720)872-0196		WELL NAME: THORNTON 15F-432	
DRAWING DATE: 5-16-12		LOCATION: WELD COUNTY, CO NW1/4, SEC. 15, T7N, R66W, 6TH P.M.	
FIELD DATE: 4-23-12	BY: TGC	CHKD:	JOB NO. SHEET NO. 1 OF 1