



Corporate Office

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Denver, Colorado 80203
303.860.5800
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7/20/2012

Department of Natural Resources
Oil and Gas Conservation Commission
The Chancery Building
1120 Lincoln St., Suite 801
Denver, CO 80203

Re: **Rule 318Ae – Proposed Spacing Unit**
Danielson 15G-412
Section 15 Township 7 North, Range 66 West
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 S2N2 and the N2S2 of Sec 15 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
Permit Analyst
PDC Energy

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

2653.9'

2652.7'

NOTES:

THIS IS A DIRECTIONAL DRILL WELL.
BOTTOM HOLE AT 2400' FNL, 500' FEL.
WELL FALLS IN A PASTURE FIELD.
SEE LOCATION DRAWING FOR IMPROVEMENTS

S00°18'51"E

N31°53'E
454'

N89°41.5'E

4412'

N00°56'30"W

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

2659.2'

2529'
210'

BH = 2400' FNL,
500' FEL.
LAT. & LONG. = N 40.57593°
W 104.75599°

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

BASIS OF BEARINGS

S00°19'01"E

2648.9'

S00°02'42"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'

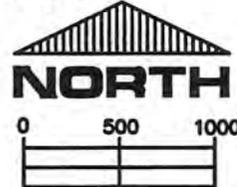
SE CRN SEC. 15
3.25" AC LS 4392

I HEREBY STATE TO PERTOLEUM DEV. CORP. THAT THE SURFACE LOCATION FOR THE WELL DANIELSON 15G-412 IS LOCATED 2529' FSL & 210' 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 1.4.

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: DANIELSON 15G-412
DRAWING DATE: 4-26-12	LOCATION: WELD COUNTY, CO SW1/4, SEC. 15, T7N, R66W, 6TH P.M.
FIELD DATE: 4-23-12	BY: TGC CHKD:
JOB NO.	SHEET NO. 1 OF 1