



Corporate Office

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Denver, Colorado 80203
303.860.5800
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5/23/2012

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**
Magnuson 23I-421
Section 23 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 160 acre wellbore spacing unit consisting of the W2W2 of Section 23, Township 7N, Range 66W; 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 23, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

NW CRN SEC. 23
3.25" AC LS 4392

N88°44'16"E

5244.9'

NE CRN SEC. 23
2.5" AC LS 12374

BH = 500' FNL,
660' FWL
LAT. & LONG. = N 40.56664°
W 104.75185°

NOTES:

THIS IS A DIRECTIONAL DRILL WELL.
BOTTOM HOLE AT 500' FNL, 660' FWL.

WELL FALLS IN A PLOWED FIELD.
SEE LOCATION DRAWING FOR IMPROVEMENTS

2663.0'

N00°02'36"E

2663.2'

N00°02'18"E

BASIS OF BEARINGS

4349'

N00°02'E

N13°18'W
260'

720'

225'

S88°57'50"W

2656.1'

S88°57'32"W

2655.8'

N88°59'03"E

2639.3'

GROUND ELEVATION = 4899'

LAT. & LONG. = N 40.55401°
W 104.75169°

2662.0'

S00°19'21"E

S00°19'21"E

2674.0'

2685.1'

S00°39'07"E

2660.7'

S00°42'41"E

E1/4 CRN SEC. 23
2.5" AC LS 12374

SE CRN SEC. 23
2.5" AC LS 12374

S1/4 CRN SEC. 23
3.25" AC LS 4392

SW CRN SEC. 23
3.25" AC LS 10855

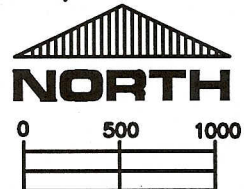
W1/4 CRN SEC. 23
3.25" AC LS 10855

I HEREBY STATE TO PERTOLEUM DEV. CORP. THAT THE SURFACE LOCATION FOR THE
WELL MAGNUSON 23i-421 IS LOCATED 225' FSL & 720' FWL, SEC. 23, 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.

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: MAGNUSON 23i-421	
DRAWING DATE: 4-27-12			LOCATION: WELD COUNTY, CO SW1/4, SEC. 23, T7N, R66W, 6TH P.M.	
FIELD DATE: 4-14-12	BY: TGC	CHKD:	JOB NO.	SHEET NO. 1 OF 1