



Corporate Office

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

6/5/2012

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**
Brown 2F-412
Section 2 Township 6 North, Range 63 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 N2 of Section 2, Township 6N, Range 63W; 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 2, TOWNSHIP 6 NORTH, RANGE 63 WEST, 6TH P.M.

NW CRN SEC. 2
3.25" AC LS 10855

NE CRN SEC. 2
2.5" AC LS 9644

S88°46'48"E 2559.4'

N89°11'12"E 2656.0'

BASIS OF BEARINGS

N1/4 CRN SEC. 2
3.25" AC LS 10855

N1/16 CRN SEC. 2
2.5" AC LS 9644

BH = 908' FNL,
500' FEL.

LAT. & LONG. = N 40.52031°
W 104.39611°

W1/4 CRN SEC. 2
2.5" AC LS 9644

E1/4 CRN SEC. 2
2.5" AC LS 9644

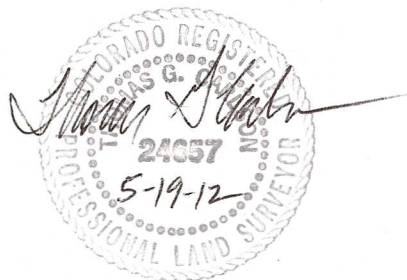
C1/4 CRN SEC. 2
2.5" AC LS 9644

NOTES:

THIS IS A DIRECTIONAL DRILL WELL.
BOTTOM HOLE AT 908' FNL, 500' FEL.
WELL FALLS IN A PASTURE.
SEE LOCATION DRAWING FOR IMPROVEMENTS

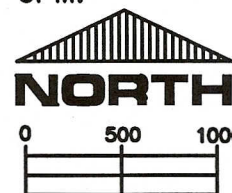
GROUND ELEVATION = 4710'
LAT. & LONG. = N 40.51961°
W 104.41217°

I HEREBY STATE TO PERTOLEUM DEV. CORP. THAT THE SURFACE LOCATION FOR THE WELL
BROWN 2F-412 IS LOCATED 1210' FNL & 250' FWL, SEC. 2, T6N, R63W, 6PM.



LEGEND

- = FOUND MONUMENT
- = PROPOSED WELL
- = BOTTOM HOLE



SCALE 1" = 1000'

ELEVATION SOURCE = USGS 7.5' QUAD.MAP CONTOURS
NGVD 1929 DATUM.

THE SURFACE LOCATION LAT. & LONG. ARE DIFFERENTIALLY
CORRECTED (NAD '83) USING (DGPS) WITH (PDOP) OF 1.3.

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

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.

DISTANCES TO WELL SHOWN PERPENDICULAR
TO SECTION LINES.

PREPARED BY:

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

WELL NAME:

BROWN 2F-412

LOCATION:

WELD COUNTY, CO
NW1/4, SEC. 2, T6N, R63W, 6TH P.M.

DRAWING DATE:

5-19-12

FIELD DATE:

4-14-12

BY:

TGC

CHKD:

JOB NO.

SHEET NO.

1 OF 1