

WELL LOCATION CERTIFICATE

PART OF SECTIONS 20, 21, TOWNSHIP 4 NORTH, RANGE 67 WEST, 6TH P.M.

N1/4 CRN SEC. 20
3.25°AC LS 16427

S89°20'07"E 2421.2'

NW CRN SEC. 21
2.5°AC LS 23513

S89°17'39"E

2683.2'

N1/4 CRN SEC. 21
3.25°AC LS 16427

2631.7'
S01°12'17"E
BASIS OF BEARINGS

NOTES:

THIS IS A DIRECTIONAL DRILL WELL.
BOTTOM HOLE AT 50' FSL, 50' FEL. (S.20).

GROUND ELEVATION = 4940'

LAT. & LONG. = N 40.29516°
W 104.89969°

WELL FALLS IN A PLOWED FIELD.
A PROPOSED WELL IS 22' SW.
SEE LOCATION DRAWING FOR IMPROVEMENTS.

S.20

1/4 CRN SEC. 20, 21
2.5°AC LS 30482

S.21

2633.3'

1612'

S49°24'W 2150'

1464'

BH = 50' FSL,
50' FEL.

N01°12'47"W

SW CRN SEC. 21
3.25°AC LS 7242

S1/4 CRN SEC. 20
3.25°AC LS 10855

S89°19'30"E

2463.2'

S89°29'31"E

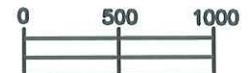
2668.3'

S1/4 CRN SEC. 21
2.5°AC LS 22097

I HEREBY STATE TO PETROLEUM DEVELOPMENT CORP. THAT THIS WELL LOCATION CERTIFICATE FOR THE WELL RYLAND 20YD IS LOCATED 1464' FSL & 1612' FWL, SEC. 21, T4N, R67W, 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 (NAD'83)
USING (DGPS) WITH (PDOP) VALUES LESS THAN SIX (6).

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: RYLAND 20YD	
DRAWING DATE: 3-11-10		LOCATION: WELD COUNTY, CO SW1/4, SEC. 21, T4N, R67W, 6TH P.M.	
FIELD DATE: 3-10-10	BY: TGC	CHKD:	JOB NO. SHEET NO. 1 OF 1