

WELL LOCATION CERTIFICATE

SECTION 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

BASIS OF BEARINGS

2631.7'

1151'

GROUND ELEVATION = 4922'
LAT. & LONG. = N 40.30246°
W 104.90462°

S.20

BH = 2578' FSL,
1221' FEL.

1/4 CRN SEC. 20, 21
2.5"AC LS 30462

S.21

NOTES:

THIS IS A DIRECTIONAL DRILL WELL.
BOTTOM HOLE AT 2578' FSL, 1221' FEL (S.20).

WELL FALLS IN ABANDONED LIVESTOCK PENS.
A PROPOSED WELL IS 22' E.
SEE LOCATION DRAWING FOR IMPROVEMENTS.

S1/4 CRN SEC. 20
3.25"AC LS 10855

S89°19'30"E 2463.2'

N01°12'47"W

SW CRN SEC. 21
3.25"AC LS 7242

I HEREBY STATE TO PETROLEUM DEVELOPMENT CORP. THAT THIS WELL LOCATION CERTIFICATE FOR THE WELL RYLAND 20SD IS LOCATED 1151' FNL & 276' 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 20SD	
DRAWING DATE: 1-29-10		BY: TGC		LOCATION: WELD COUNTY, CO NW1/4, SEC. 21, T4N, R67W, 6TH P.M.	
FIELD DATE: 1-27-10		CHKD:		JOB NO.	SHEET NO. 1 OF 1