

WELL LOCATION CERTIFICATE

NW CRN SEC. 8
2.5" AC LS 24657
N 40.24728°
W 104.47112°

SECTION 8, TOWNSHIP 3 NORTH, RANGE 63 WEST, 6TH P.M.

NE CRN SEC. 8
2.5" AC LS 24657
N 40.24743°
W 104.45214°

N 88°45'47" E 5301.9'

BH=500' FNL,
358' FEL
N 40.24605°
W 104.45342°

NOTES:

THIS IS A HORIZONTAL DRILL WELL
BOTTOM HOLE AT 500' FNL, 358' FEL.
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEV.= 4885'
L&L = N 40.23361°
W 104.45680°

N 00°28'59" W 5305.7'

N00°45'W 4401'

S 00°45'16" E 5301.0'
BASIS OF BEARINGS

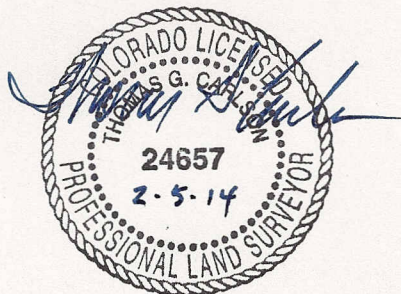
SW CRN SEC. 8
2.5" AC LS 24657
N 40.23273°
W 104.47119°

S 88°42'56" W 5327.0'

N81°30'E 961'
1310'

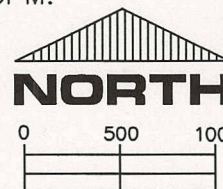
SE CRN SEC. 8
2.5" AC LS 24657
N 40.23289°
W 104.45211°

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE PROPOSED WELL GUTTERSEN 8Y-441 IS LOCATED 279' FSL & 1310' FEL, SEC. 8, T3N, R63W, 6PM.



LEGEND

- ⊕ = FOUND MONUMENT
- = PROPOSED WELL



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 2.3.

THOMAS G. CARLSON, PLS 24657
HORSESHOE SURVEYING, LLC

SHOWN DISTANCES ARE FIELD MEASURED - EXTERIOR SECTION LINES
ARE DRAWN TO SCALE.

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: GUTTERSEN 8Y-441	
DRAWING DATE: 2-4-14			LOCATION: WELD COUNTY, CO SE1/4, SEC. 8, T3N, R63W, 6TH P.M.	
FIELD DATE: 12-14-13	BY: TGC	CHKD:	JOB NO.	SHEET NO. 1 OF 1