

WELL LOCATION CERTIFICATE

SECTION 31, TOWNSHIP 3 NORTH, RANGE 63 WEST, 6TH P.M.

NW CRN SEC. 31
3.25" AC LS 10855

N=40.18916°
W=104.49041°

N89°26'03"E

5383.7'

NE CRN SEC. 31
3.25" AC LS 3970

N=40.18913°
W=104.47114°

BH = 500' FNL,
2440' FEL.
L&L = N 40.18777°
W 104.47985°

5278.9'

NOTES:

THIS IS A HORIZONTAL DRILL WELL.
BOTTOM HOLE AT 500' FNL, 2440' FEL.
WELL FALLS IN A PASTURE.
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4823'
LAT. & LONG. = N 40.17487°
W 104.47872°

N00°05'34"E

4688'

N01°20'W

5271.9'

N01°20'03"W
BASIS OF BEARINGS

SW CRN SEC. 31
2.5" AC LS 10855

N=40.17486°
W=104.49065°

N89°21'39"E

5515.1'

N88°W
262'

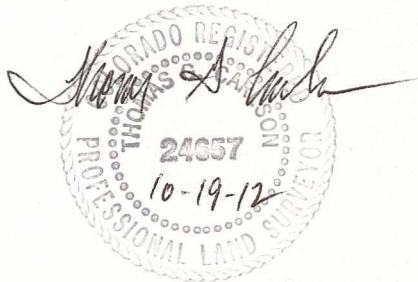
75'

2179'

SE CRN SEC. 31
2.5" AC LS 23501

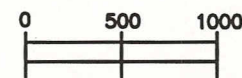
N=40.17466°
W=104.47091°

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE WELL
GUTTERSEN 31Q-401 IS LOCATED 75' FSL & 2179' FEL, SEC. 31, T3N, R63W, 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 1.6.

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
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WELL NAME:

GUTTERSEN 31Q-401

DRAWING DATE:

10-19-12

LOCATION:

WELD COUNTY, CO
E1/2, SEC. 31, T3N, R63W, 6TH P.M.

FIELD DATE:

10-16-12

BY:

TGC

CHKD: