

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,
2149' FEL.
L&L = N 40.18777°
W 104.47881°

NOTES:

THIS IS A HORIZONTAL DRILL WELL.
BOTTOM HOLE AT 500' FNL, 2149' FEL.
WELL FALLS IN A PASTURE.
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4823'
LAT. & LONG. = N 40.17487°
W 104.47861°

5278.9'

N00°05'34"E

5271.9'

N01°20'03"W

BASIS OF BEARINGS

4700'

N01°20'W

75'

2149'

N89°21'39"E

5515.1'

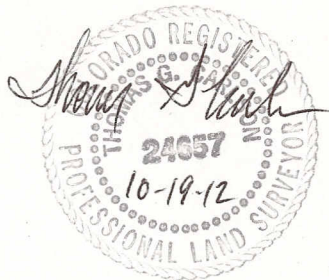
SW CRN SEC. 31
2.5" AC LS 10855

N=40.17466°
W=104.49065°

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-221 IS LOCATED 75' FSL & 2149' FEL, SEC. 31, T3N, R63W, 6PM.



LEGEND

- FOUND MONUMENT
- PROPOSED WELL
- BOTTOM HOLE



0 500 1000

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.

THOMAS G. CARLSON, PLS 24657
HORSESHOE SURVEYING, LLC

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

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 31Q-221

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: