

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"

NE CRN SEC. 31
3.25" AC LS 3970

N=40.18913"
W=104.47114"

N89°26'03"E

5383.7'

BH = 500' FNL,
517' FEL.

LAT. & LONG. = N 40.18776"
W 104.47297"

NOTES:

THIS IS A HORIZONTAL DRILL WELL.
BOTTOM HOLE AT 500' FNL, 517' FEL.
WELL FALLS IN A PASTURE.
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4836'
LAT. & LONG. = N 40.17487"
W 104.47246"

5278.9'

N00°05'34"E

5271.9'

N01°20'03"W

BASIS OF BEARINGS

4538'

N01°20'W

N30°W
183'

75'

429'

SW CRN SEC. 31
2.5" AC LS 10855

N=40.17466"
W=104.49065"

N89°21'39"E

5515.1'

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 31Y-441 IS LOCATED 75' FSL & 429' 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 1.7.

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
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WELL NAME:

GUTTERSEN 31Y-441

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: