

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,
829' FEL.

LAT. & LONG. = N 40.18776°
W 104.47409°

5278.9'

NOTES:

THIS IS A HORIZONTAL DRILL WELL.
BOTTOM HOLE AT 500' FNL, 829' FEL.
WELL FALLS IN A PASTURE.
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4836'
LAT. & LONG. = N 40.17487°
W 104.47256°

N00°05'34"E

5271.9'

BASIS OF BEARINGS

N01°20'W 4477'

N01°20'03"W

SW CRN SEC. 31
2.5" AC LS 10855

N=40.17466°
W=104.49065°

N89°21'39"E 5515.1'

N60°W 433' 75'
459'

SE CRN SEC. 31
2.5" AC LS 23501

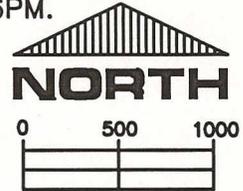
N=40.17466°
W=104.47091°

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE WELL GUTTERSEN 31T-221 IS LOCATED 75' FSL & 459' 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 1.7.

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 31T-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: