

# 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  
1140' FEL

LAT. & LONG. = N 40.18776°  
W 104.47520°

## NOTES:

THIS IS A HORIZONTAL DRILL WELL.  
BOTTOM HOLE AT 500' FNL, 1140' FEL.  
WELL FALLS IN A PASTURE.  
SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4836'  
LAT. & LONG. = N 40.17487°  
W 104.47267°

5278.9'

N00°05'34"E

5271.9'

N01°20'03"W

BASIS OF BEARINGS

4668'

N01°20'W

SW CRN SEC. 31  
2.5" AC LS 10855

N=40.17466°  
W=104.49065°

N89°21'39"E

5515.1'

N88°W  
652'

75'

489'

SE CRN SEC. 31  
2.5" AC LS 23501

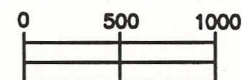
N=40.17466°  
W=104.47091°

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE WELL  
GUTTERSEN 31T-401 IS LOCATED 75' FSL & 489' 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 ).

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  
PO BOX 150458  
LAKEWOOD, CO 80215  
(720)872-0196

DRAWING DATE:  
10-19-12

FIELD DATE:  
10-16-12

BY: TGC

CHKD:

WELL NAME:

GUTTERSEN 31T-401

LOCATION:

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