

# WELL LOCATION CERTIFICATE

NW CRN SEC. 15  
3.25" AC LS 20685  
N=40.49563°  
W=104.77331°

SECTION 15, TOWNSHIP 6 NORTH, RANGE 66 WEST, 6TH P.M.  
N 89°45'06" E 2677.3'                      N 89°45'07" E 2661.4'

NE CRN SEC. 15  
3.25" AC LS 22098  
N=40.49558°  
W=104.75413°

N1/4 CRN SEC. 15  
3.25" AC LS 10855  
N=40.49561°  
W=104.76369°

N 00°20'59" W 2632.8'

330'  
578'  
S16°10'W  
172'

S 00°32'09" E 2637.4'

**NOTES:**  
THIS IS A HORIZONTAL DRILL WELL.  
BOTTOM HOLE AT 500' FSL, 630' FEL.  
SITE FALLS IN A CORN FIELD.  
SEE LOCATION DRAWING FOR IMPROVEMENTS

W1/4 CRN SEC. 15  
3.25" AC LS 10855  
N=40.48841°  
W=104.77333°

E1/4 CRN SEC. 15  
2.5" AC LS ILLEG.  
N=40.48834°  
W=104.75412°

N 00°17'45" W 2639.4'

GROUND ELEVATION = 4815'  
LAT. & LONG. = N 40.49468°  
W 104.75620°

S00°28'E  
4562'

S 00°27'53" E 2652.4'  
BASIS OF BEARINGS

BH = 500' FSL, 630' FEL  
N=40.48244°  
W=104.75638°

SW CRN SEC. 15  
2.5" AC LS 23501  
N=40.48117°  
W=104.77336°

S1/4 CRN SEC. 15  
3.25" AC LS ILLEG.  
N=40.48112°  
W=104.76374°

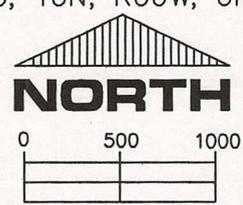
SE CRN SEC. 15  
MAG NAIL  
N=40.48106°  
W=104.75412°

S 89°56'26" W 2677.8'                      S 89°56'24" W 2677.3'

I HEREBY STATE TO PDC ENERGY THAT THE SURFACE LOCATION FOR THE WELL HARVESTERS RESOURCES 15U-443 IS LOCATED 330' FNL & 578' FEL, SEC. 15, T6N, R66W, 6PM.



- LEGEND**
- = FOUND MONUMENT
  - = PROPOSED WELL
  - = BOTTOM HOLE



ELEVATION SOURCE = USGS 7.5' QUAD.MAP CONTOURS NGVD 1929 DATUM.  
LAT. & LONG. ARE DIFFERENTIALLY CORRECTED (WGS'84) USING (DGPS) WITH A (PDOP) VALUE OF 1.3.

THOMAS G. CARLSON, PLS 24657                      SHOWN DISTANCES ARE FIELD MEASURED - EXTERIOR SECTION LINES ARE DRAWN TO SCALE (BEST APPROX. OR FOUND MONUMENT ).  
HORSESHOE SURVEYING, LLC

THIS IS NOT A MONUMENTED BOUNDARY SURVEY, IT IS ONLY A DRAWING INTENDED TO DEPICT THE WEL LOCATION TO SECTION LINES.                      DISTANCES TO SITE SHOWN PERPENDICULAR TO SECTION LINES.

PREPARED BY:	HORSESHOE SURVEYING, LLC PO BOX 150458 LAKEWOOD, CO 80215 (720)872-0196
DRAWING DATE:	5-20-13
FIELD DATE:	5-17-13
BY:	TGC

WELL (PAD) NAME:	HARVESTERS RESOURCES 15U-443
LOCATION:	WELD COUNTY, CO NE1/4, SEC. 15, T6N, R66W, 6TH P.M.