

WELL LOCATION CERTIFICATE

SECTION 23, TOWNSHIP 7 NORTH, RANGE 66 WEST, 6TH P.M.

NW CRN SEC. 23
3.25" AC LS 4392

N88°44'16"E

5244.9'

NE CRN SEC. 23
2.5" AC LS 12374

BH = 500' FNL,
660' FWL
LAT. & LONG. = N 40.56664°
W 104.75185°

NOTES:

THIS IS A HORIZONTAL DRILL WELL.
BOTTOM HOLE AT 500' FNL, 660' FWL.
WELL FALLS IN A PLOWED FIELD.
SEE LOCATION DRAWING FOR IMPROVEMENTS

W1/4 CRN SEC. 23
3.25" AC LS 10855

N88°59'03"E
2639.3'

GROUND ELEVATION = 4899'
LAT. & LONG. = N 40.55401°
W 104.75169°

E1/4 CRN SEC. 23
2.5" AC LS 12374

BASIS OF BEARINGS

SW CRN SEC. 23
3.25" AC LS 10855

S88°57'50"W
2656.1'

S1/4 CRN SEC. 23
3.25" AC LS 4392

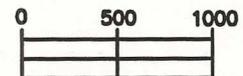
S88°57'32"W
2655.8'

SE CRN SEC. 23
2.5" AC LS 12374

I HEREBY STATE TO PERTOLEUM DEV. CORP. THAT THE SURFACE LOCATION FOR THE WELL MAGNUSON 23i-421 IS LOCATED 225' FSL & 720' FWL, SEC. 23, T7N, R66W, 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 1.4.

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		WELL NAME: MAGNUSON 23i-421		
DRAWING DATE: 4-27-12		LOCATION: WELD COUNTY, CO SW1/4, SEC. 23, T7N, R66W, 6TH P.M.		
FIELD DATE: 4-14-12	BY: TGC	CHKD:	JOB NO.	SHEET NO. 1 OF 1