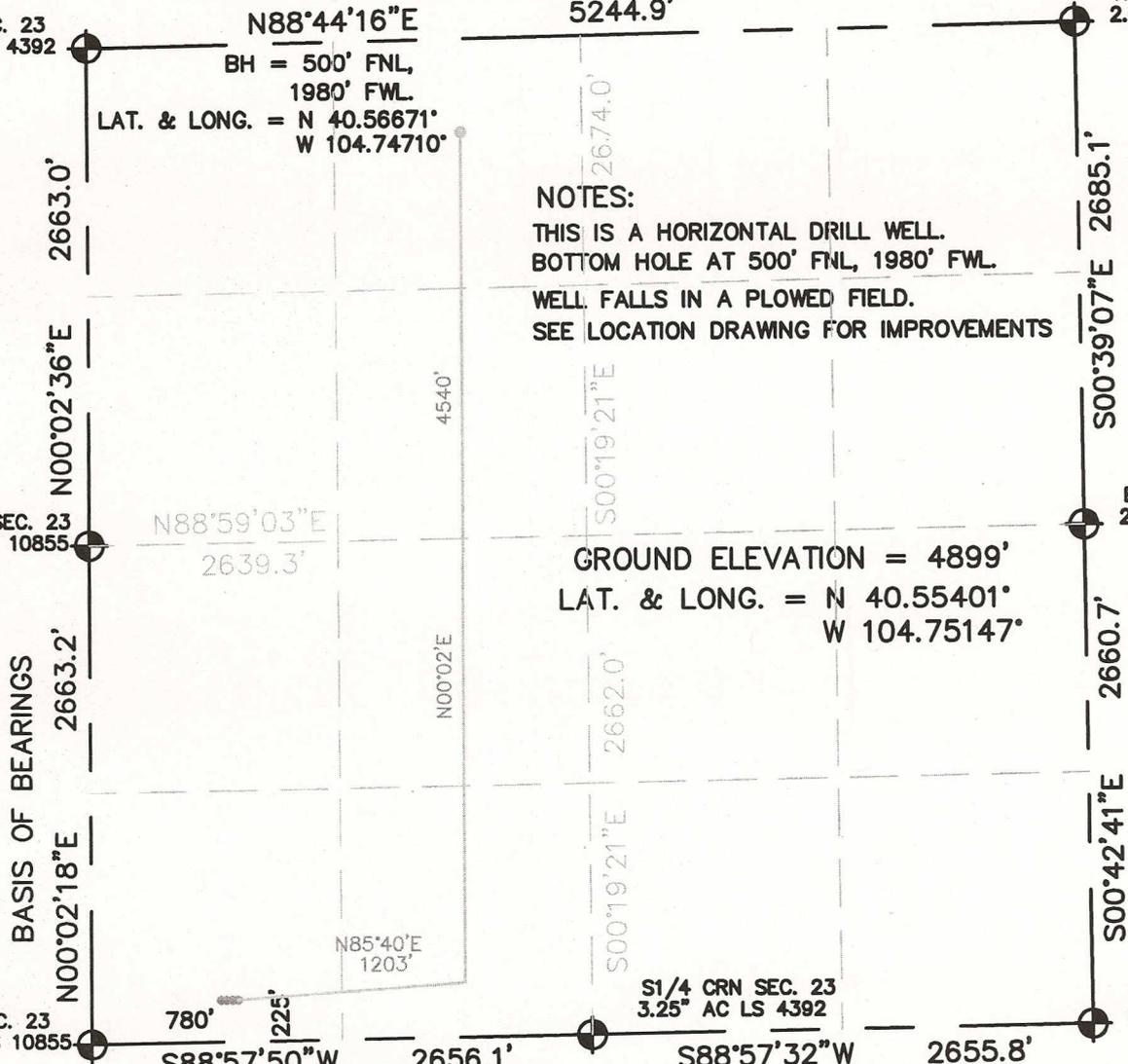


WELL LOCATION CERTIFICATE

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

NW CRN SEC. 23
3.25" AC LS 4392

NE CRN SEC. 23
2.5" AC LS 12374



NOTES:
 THIS IS A HORIZONTAL DRILL WELL.
 BOTTOM HOLE AT 500' FNL, 1980' FWL.
 WELL FALLS IN A PLOWED FIELD.
 SEE LOCATION DRAWING FOR IMPROVEMENTS

GROUND ELEVATION = 4899'
LAT. & LONG. = N 40.55401'
W 104.75147'

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

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

SW CRN SEC. 23
3.25" AC LS 10855

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

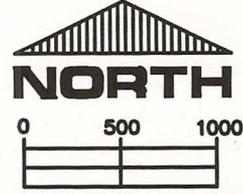
SE CRN SEC. 23
2.5" AC LS 12374

I HEREBY STATE TO PERTOLEUM DEV. CORP. THAT THE SURFACE LOCATION FOR THE WELL MAGNUSON 23L-421 IS LOCATED 225' FSL & 780' 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 1.3.

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 PO BOX 150458 LAKEWOOD, CO 80215 (720)872-0196	WELL NAME:	MAGNUSON 23L-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