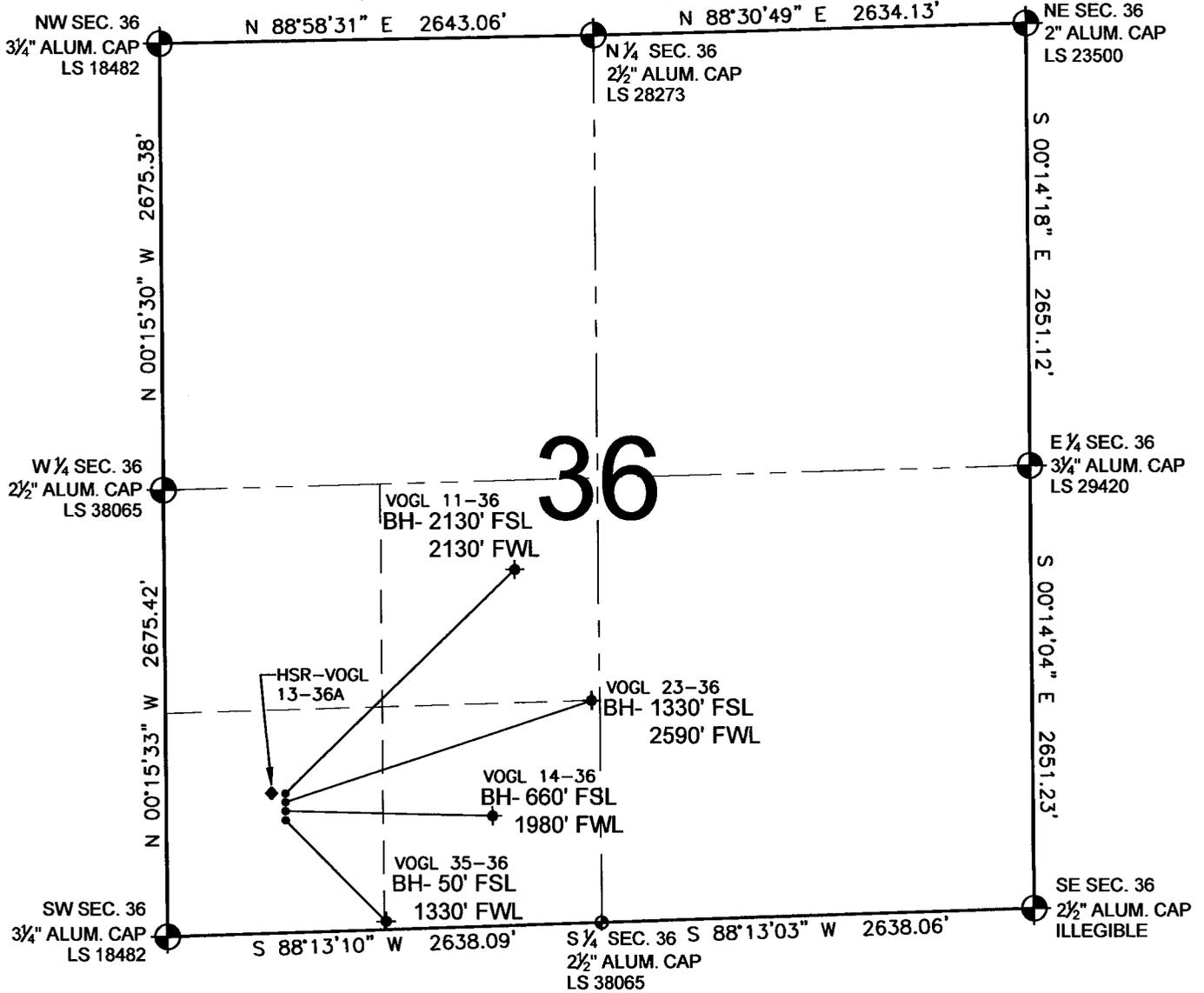


PAD DRAWING - VOGL 4 PAD

SECTION 36, TOWNSHIP 3 NORTH, RANGE 68 WEST, 6TH P.M.



NOTES:

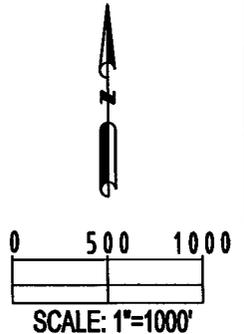
1. THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. ELEVATIONS SHOWN AT THE WELL HEAD, AS WELL AS HORIZONTAL CONTROL, ARE BASED ON GPS-RTK VALUES DERIVED FROM DOING 2-HOUR STATIC GPS SESSIONS AND REDUCTIONS USING O.P.U.S. SOLUTIONS.
VERTICAL = NAVD88; HORIZONTAL = NAD83/92
3. THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
4. DISTANCES SHOWN ARE AT GROUND LEVEL, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED AT A PERPENDICULAR TO SECTION LINES.

LEGEND

- ⊕ = EXISTING MONUMENT ◆ = BOTTOM HOLE BH= BOTTOM HOLE
- = PROPOSED WELL ◆ = EXISTING WELL

NOTES:

- VOGL 35-36 TO BE AT 674' FSL, 725' FWL. BOTTOM HOLE AT 50' FSL & 1330' FWL.
- VOGL 14-36 TO BE AT 690' FSL, 727' FWL. BOTTOM HOLE AT 660' FSL & 1980' FWL.
- VOGL 23-36 TO BE AT 706' FSL, 728' FWL. BOTTOM HOLE AT 1330' FSL & 2590' FWL.
- VOGL 11-36 TO BE AT 722' FSL, 729' FWL. BOTTOM HOLE AT 2130' FSL & 2130' FWL.
- HSR-VOGL 13-36A IS 722' FSL, 682' FWL.



REVISIONS	
INITIAL	DATE

PREPARED BY:

PFS
Petroleum Field Services, LLC
1801 W. 13th Ave.
Denver, CO 80204

KERR-MCGEE OIL & GAS ONSHORE LP	
FIELD DATE: 08-10-09	PAD NAME: VOGL 4 PAD
DRAWING DATE: 08-13-09	SURFACE LOCATION:
BY: SMF	WELD COUNTY, COLORADO SW 1/4 SW 1/4, SEC. 36, T3N, R68W