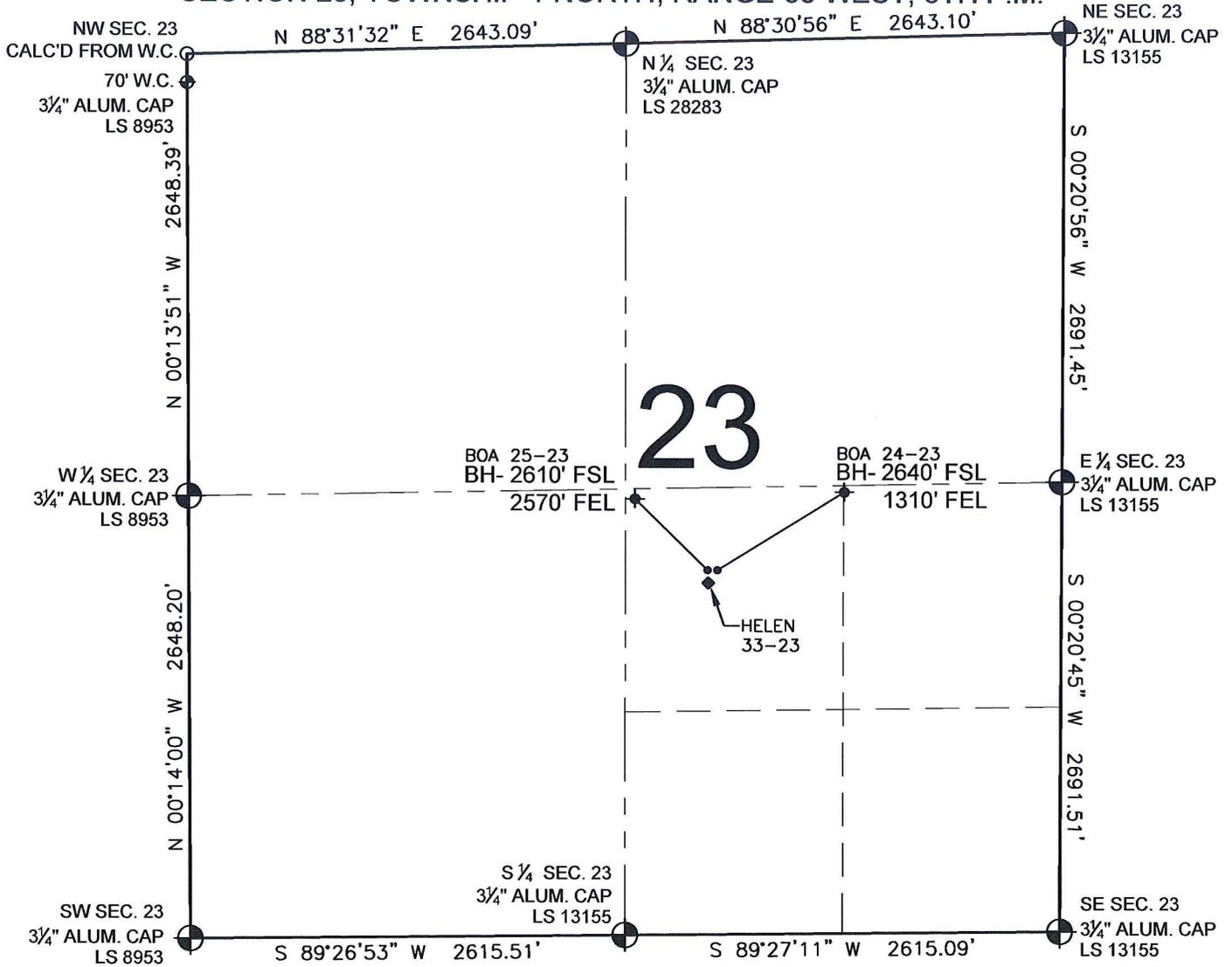


PAD DRAWING - BOA 2 PAD

SECTION 23, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M.



NOTES:

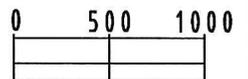
1. THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215 (PDOP VALUE IS LESS THAN 6.0, LATITUDE AND LONGITUDE ARE ACCURATE TO 5 DECIMAL PLACES, AND GPS OBSERVATIONS ARE DIFFERENTIAL AND DONE BY QUALIFIED PERSONNEL.)
2. ELEVATIONS SHOWN AT THE WELL 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:

- BOA 24-23 TO BE AT 2179' FSL, 2100' FEL.
- BOTTOM HOLE AT 2640' FSL & 1310' FEL.
- BOA 25-23 TO BE AT 2179' FSL, 2130' FEL.
- BOTTOM HOLE AT 2610' FSL & 2570' FEL.
- HELEN 33-23 TO BE AT 2129' FSL, 2130' FEL.



SCALE: 1"=1000'

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:
07-24-09

PAD NAME:
BOA 2 PAD

DRAWING DATE:
07-29-09

SURFACE LOCATION:

BROOMFIELD COUNTY, COLORADO
NW 1/4 SE 1/4, SEC. 23, T1N, R68W

BY:
SMF