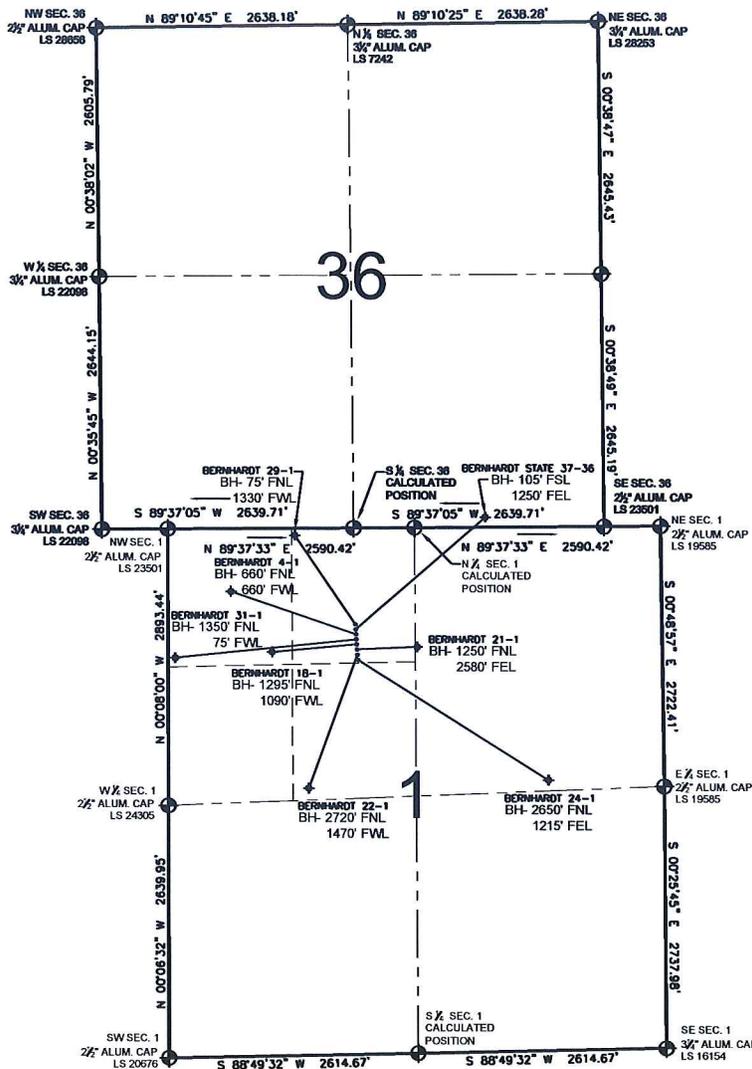


# PAD DRAWING - BERNHARDT 8 PAD

SECTION 1, TOWNSHIP 4 NORTH, RANGE 67 WEST, 6TH P.M.



## LEGEND

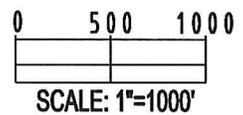
- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- ⊕ (with dot) = BOTTOM HOLE
- ⊙ (with dot) = EXISTING WELL
- BH= BOTTOM HOLE

## NOTES:

- THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- 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
- THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
- DISTANCES SHOWN ARE AT GROUND LEVEL, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED AT A PERPENDICULAR TO SECTION LINES.

## NOTES:

- BERNHARDT 29-1 TO BE AT 1287' FNL, 1985' FWL. BOTTOM HOLE AT 75' FNL & 1330' FWL.
- BERNHARDT STATE 37-36 TO BE AT 1303' FNL, 1985' FWL. BOTTOM HOLE AT 105' FSL & 1250' FEL.
- BERNHARDT 4-1 TO BE AT 1319' FNL, 1987' FWL. BOTTOM HOLE AT 660' FNL & 660' FWL.
- BERNHARDT 31-1 TO BE AT 1335' FNL, 1988' FWL. BOTTOM HOLE AT 1350' FNL & 75' FWL.
- BERNHARDT 18-1 TO BE AT 1351' FNL, 1989' FWL. BOTTOM HOLE AT 1295' FNL & 1090' FWL.
- BERNHARDT 21-1 TO BE AT 1367' FNL, 1990' FWL. BOTTOM HOLE AT 1250' FNL & 2580' FEL.
- BERNHARDT 22-1 TO BE AT 1383' FNL, 1991' FWL. BOTTOM HOLE AT 2720' FNL & 1470' FWL.
- BERNHARDT 24-1 TO BE AT 1399' FNL, 1991' FWL. BOTTOM HOLE AT 2650' FNL & 1215' FEL.



REVISIONS	
INITIAL	DATE
SMF	09-22-09

PREPARED BY:



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

KERR-MCGEE OIL & GAS ONSHORE LP	
FIELD DATE: 08-26-09	PAD NAME: BERNHARDT 8 PAD
DRAWING DATE: 09-02-09	SURFACE LOCATION: WELD COUNTY, COLORADO NE 1/4 NW 1/4, SEC. 1, T4N, R67W
BY: SMF	