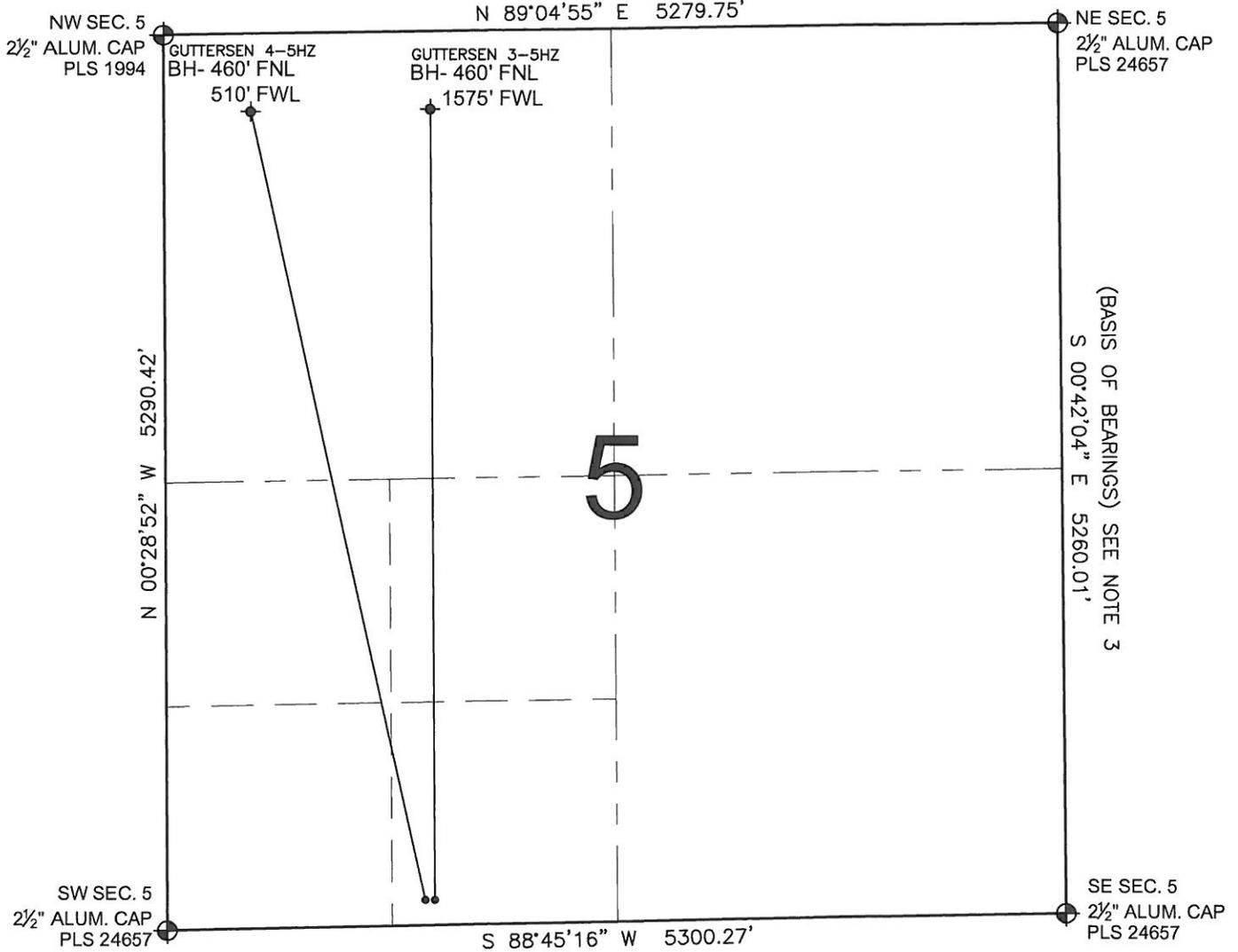


PAD DRAWING - GUTTERSEN 2 PAD

SECTION 5, TOWNSHIP 3 NORTH, RANGE 63 WEST, 6TH P.M.



LEGEND

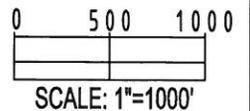
- ⊕ = EXISTING MONUMENT
- ⬠ = PROPOSED WELL
- ⬠ = BOTTOM HOLE
- ◆ = EXISTING WELL
- BH= BOTTOM HOLE

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:

- GUTTERSEN 4-5HZ TO BE AT 150' FSL, 1550' FWL. BOTTOM HOLE AT 460' FNL & 510' FWL.
- GUTTERSEN 3-5HZ TO BE AT 150' FSL, 1580' FWL. BOTTOM HOLE AT 460' FNL & 1575' FWL.



REVISIONS	
INITIAL	DATE
SMF	01-06-11

PREPARED BY:

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

KERR-MCGEE OIL & GAS ONSHORE LP

FIELD DATE:
11-30-10
DRAWING DATE:
12-14-10
BY:
SMF

PAD NAME:
GUTTERSEN 2 PAD

SURFACE LOCATION:

WELD COUNTY, COLORADO
SE 1/4 SW 1/4, SEC. 5, T3N, R63W