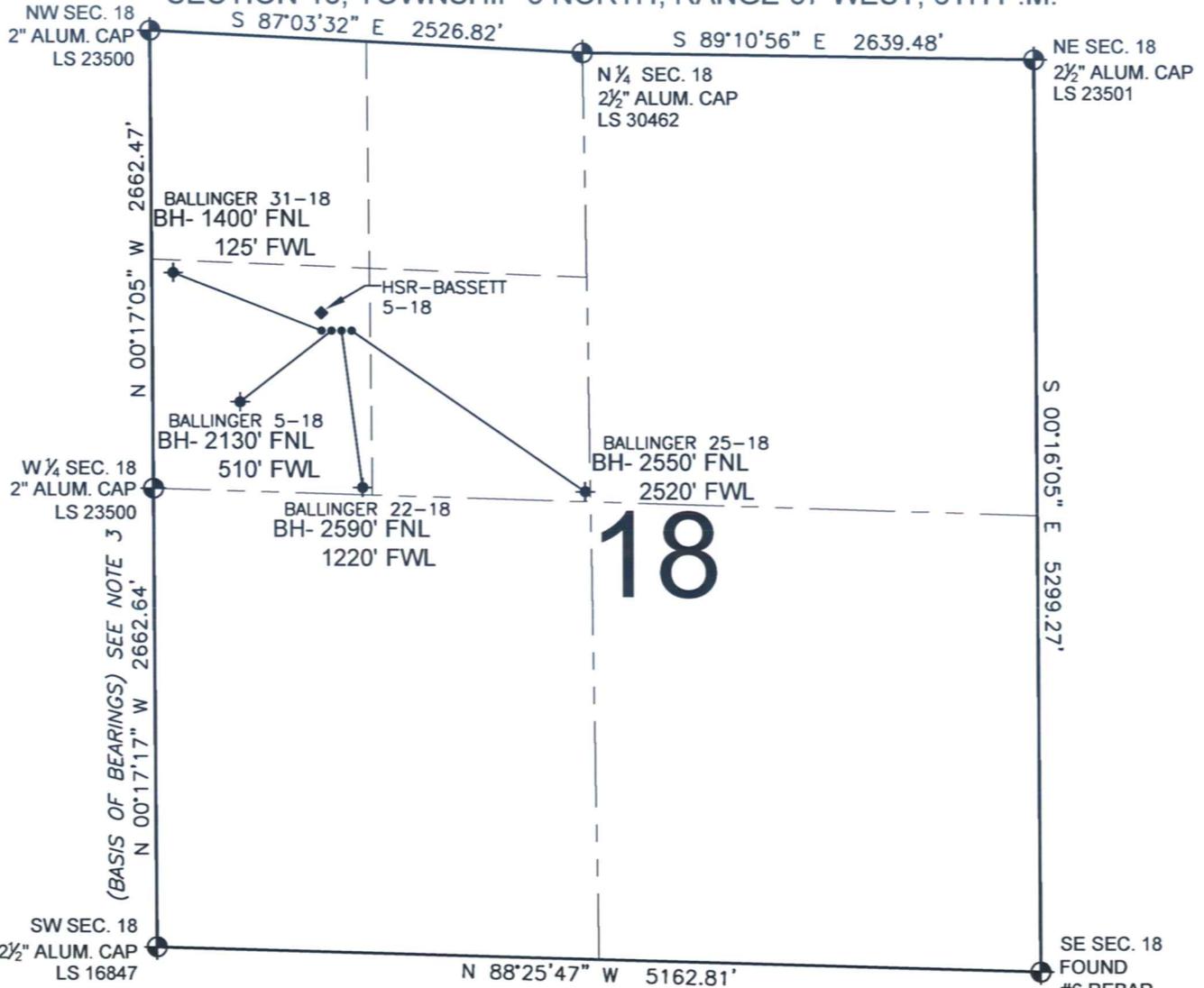


PAD DRAWING - BALLINGER 4 PAD

SECTION 18, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.



LEGEND

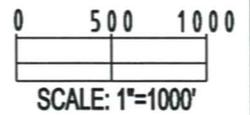
- ⊕ = EXISTING MONUMENT ◆ = BOTTOM HOLE BH= BOTTOM HOLE
- = PROPOSED WELL ◆ = EXISTING WELL

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.

NOTES:

- BALLINGER 31-18 TO BE AT 1693' FNL, 987' FWL. BOTTOM HOLE AT 1400' FNL & 125' FWL.
- BALLINGER 5-18 TO BE AT 1693' FNL, 1003' FWL. BOTTOM HOLE AT 2130' FNL & 510' FWL.
- BALLINGER 22-18 TO BE AT 1692' FNL, 1019' FWL. BOTTOM HOLE AT 2590' FNL & 1220' FWL.
- BALLINGER 25-18 TO BE AT 1693' FNL, 1035' FWL. BOTTOM HOLE AT 2550' FNL & 2520' FWL.
- HSR-BASSETT 5-18 IS 1645' FNL, 987' 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:
12-15-09

DRAWING DATE:
12-22-09

BY:
SMF

PAD NAME:
BALLINGER 4 PAD

SURFACE LOCATION:
WELD COUNTY, COLORADO
SW 1/4 NW 1/4, SEC. 18, T3N, R67W