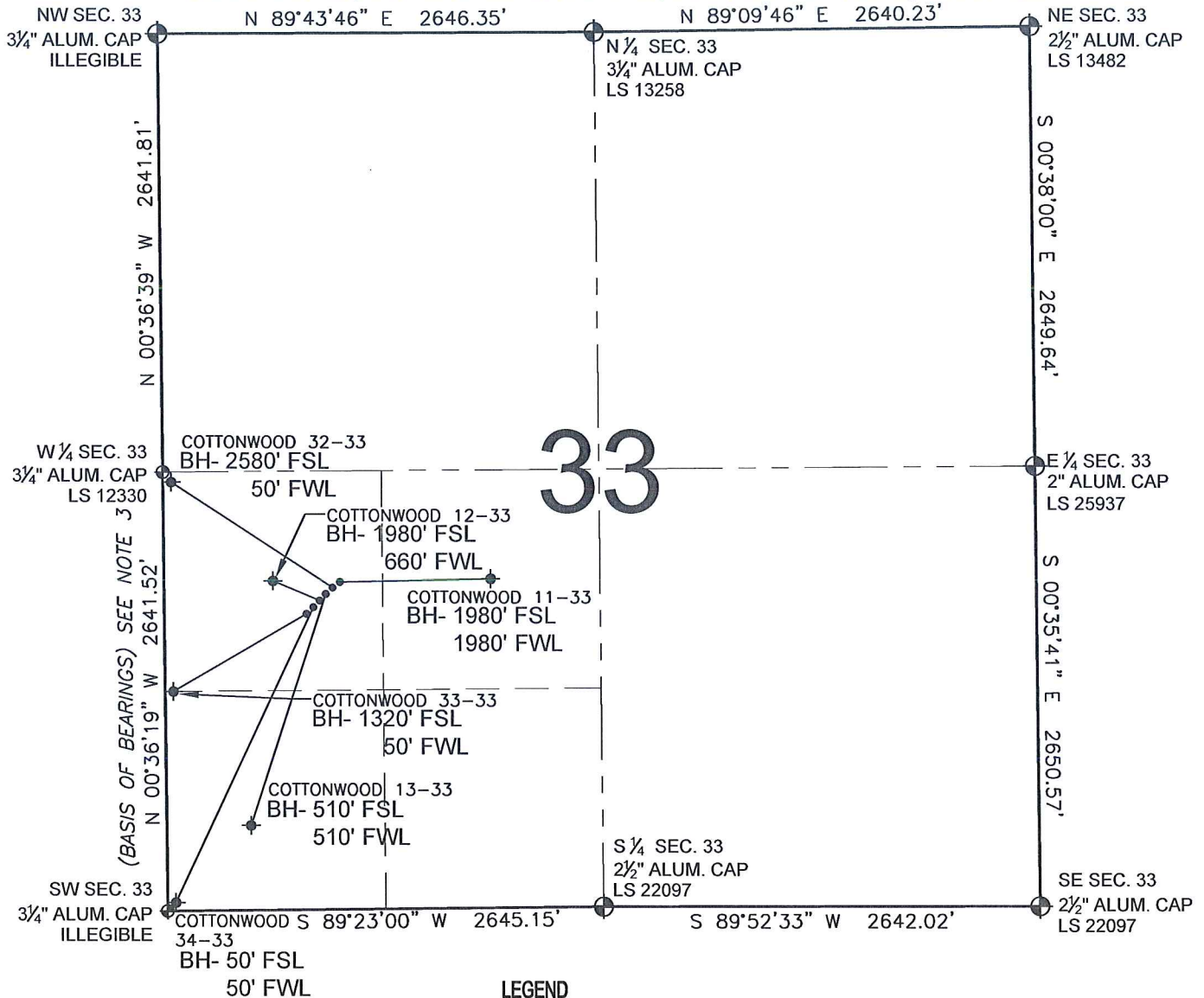


PAD DRAWING - COTTONWOOD 6 PAD

SECTION 33, TOWNSHIP 2 NORTH, RANGE 66 WEST, 6TH P.M.



LEGEND

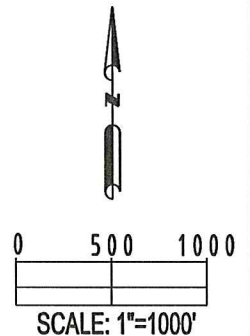
- ⊕ = EXISTING MONUMENT ⊕ = BOTTOM HOLE BH= BOTTOM HOLE
 ● = PROPOSED WELL ◆ = EXISTING WELL

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:

COTTONWOOD 33-33 TO BE AT 1780' FSL, 861' FWL.
 BOTTOM HOLE AT 1320' FSL & 50' FWL.
 COTTONWOOD 34-33 TO BE AT 1787' FSL, 868' FWL.
 BOTTOM HOLE AT 50' FSL & 50' FWL.
 COTTONWOOD 12-33 TO BE AT 1794' FSL, 875' FWL.
 BOTTOM HOLE AT 1980' FSL & 660' FWL.
 COTTONWOOD 13-33 TO BE AT 1801' FSL, 882' FWL.
 BOTTOM HOLE AT 510' FSL & 510' FWL.
 COTTONWOOD 32-33 TO BE AT 1808' FSL, 889' FWL.
 BOTTOM HOLE AT 2580' FSL & 50' FWL.
 COTTONWOOD 11-33 TO BE AT 1815' FSL, 896' FWL.
 BOTTOM HOLE AT 1980' FSL & 1980' FWL.



REVISIONS

| INITIAL | DATE |
|---------|----------|
| SMF | 02-08-10 |
| | |
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| | |
| | |

PREPARED BY:

PFS

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



KERR-MCGEE OIL & GAS ONSHORE LP

FIELD DATE:
01-15-10

DRAWING DATE:
01-19-10

BY:
SMF

PAD NAME:
COTTONWOOD 6 PAD

SURFACE LOCATION:

WELD COUNTY, COLORADO
NW 1/4 SW 1/4, SEC. 33, T2N, R66W