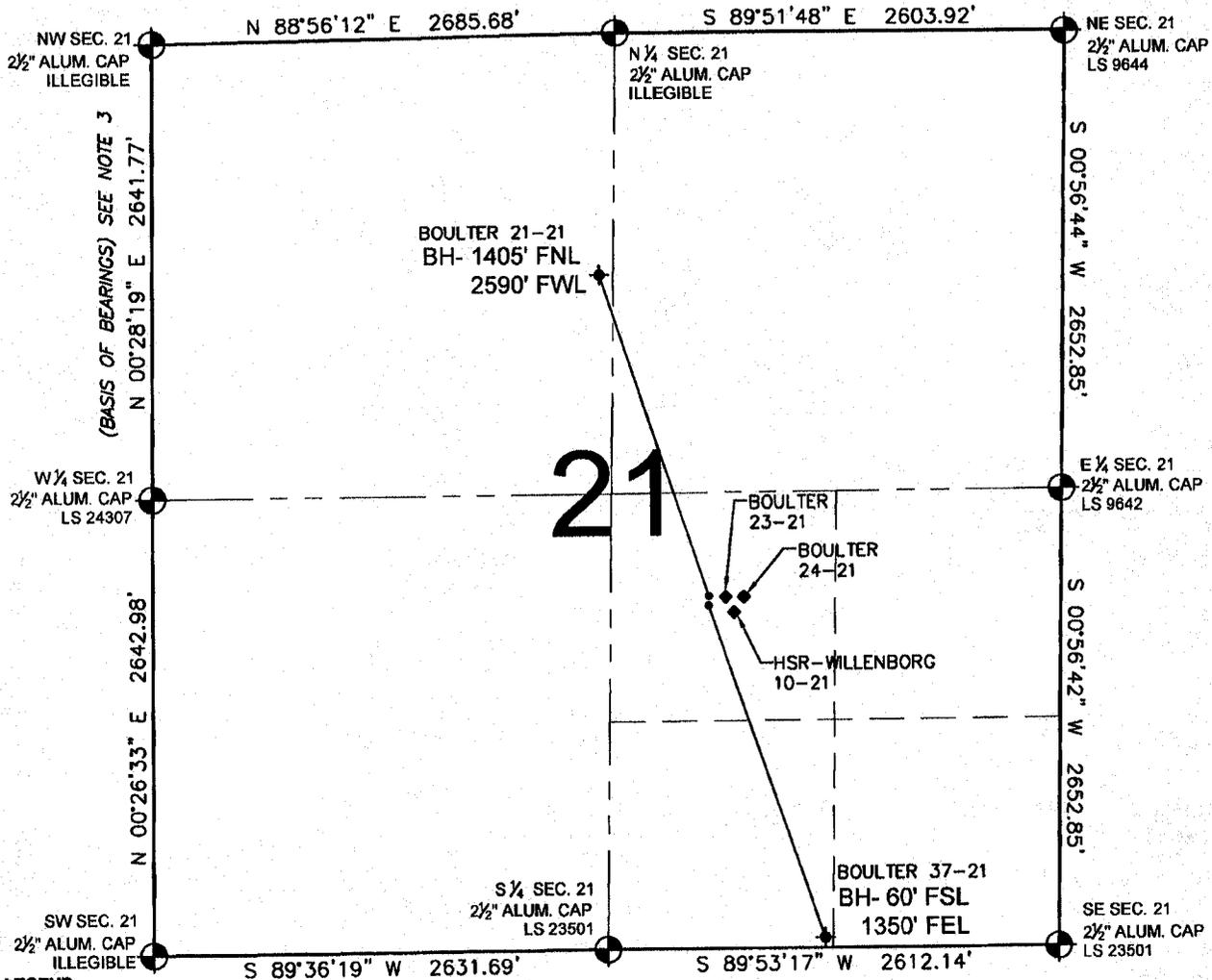


PAD DRAWING-BOULTER 2 PAD

SECTION 21, TOWNSHIP 4 NORTH, RANGE 65 WEST, 6TH P.M.



LEGEND

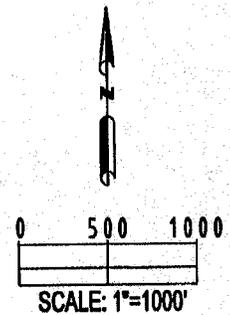
- = EXISTING MONUMENT ◆ = BOTTOM HOLE BH= BOTTOM HOLE
- = PROPOSED WELL ◆ = EXISTING WELL

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 (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.

NOTES:

- BOULTER 21-21 TO BE AT 2020' FSL, 2041' FEL.
- BOTTOM HOLE AT 1405' FNL & 2590' FWL.
- BOULTER 37-21 TO BE AT 1990' FSL, 2041' FEL.
- BOTTOM HOLE AT 60' FSL & 1350' FEL.
- BOULTER 23-21 IS 2021' FSL, 1992' FEL.
- BOULTER 24-21 IS 2021' FSL, 1942' FEL.
- HSR-WILLENBORG 10-21 IS 1976' FSL, 1967' FEL.



REVISIONS		PREPARED BY:
INITIAL	DATE	

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: BOULTER 2 PAD
DRAWING DATE: 07-29-09	SURFACE LOCATION: WELD COUNTY, COLORADO NE 1/4 SE 1/4, SEC. 21, T4N, R65W
BY: CP	