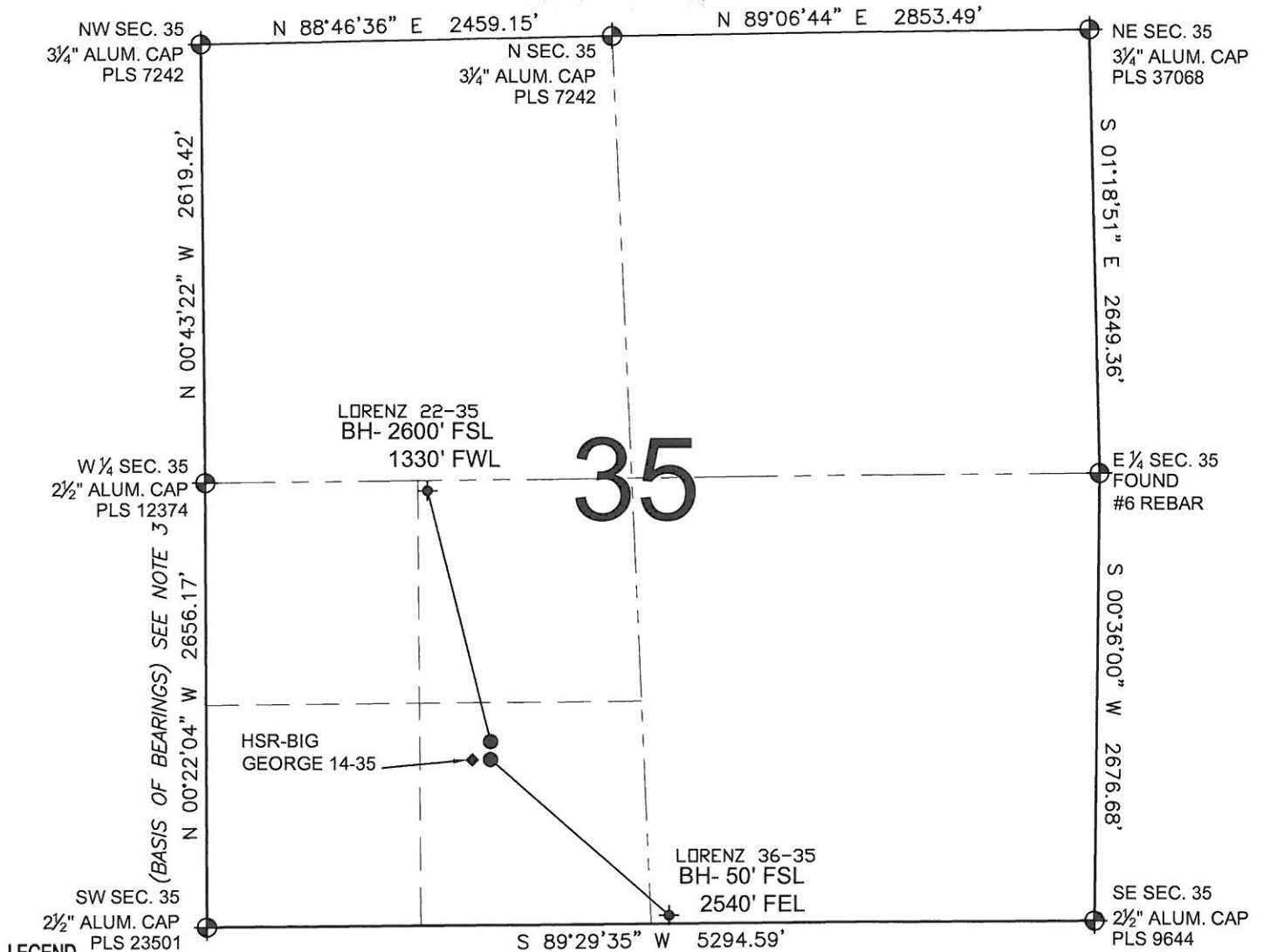


# PAD DRAWING: LORENZ 2-PAD

## SECTION 35, TOWNSHIP 4 NORTH, RANGE 66 WEST, 6TH P.M.



### LEGEND

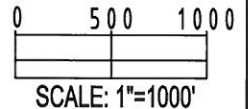
- +
 = EXISTING MONUMENT    
 
●
 = PROPOSED WELL    
 
+
 = BOTTOM HOLE    
 BH= BOTTOM HOLE    
 
◆
 = EXISTING WELL

### 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 (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.)
- 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:

LORENZ 22-35 TO BE AT 1007' FSL, 1697' FWL.  
 BOTTOM HOLE AT 2600' FSL & 1330' FWL.  
 LORENZ 36-35 TO BE AT 991' FSL, 1697' FWL.  
 BOTTOM HOLE AT 50' FSL & 2540' FEL.  
 HSR-BIG GEORGE 14-35 IS AT 991' FSL, 1649' FWL.



### REVISIONS

INITIAL	DATE
TJN	11-30-10

PREPARED BY:

**PFS**

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



KERR-MCGEE OIL & GAS ONSHORE LP

FIELD DATE:  
10-27-10

DRAWING DATE:  
11-30-10

BY:  
TJN

WELL NAME:  
LORENZ 2 PAD

SURFACE LOCATION:

WELD COUNTY, COLORADO  
SE 1/4 SW 1/4, SEC. 35, T4N, R66W