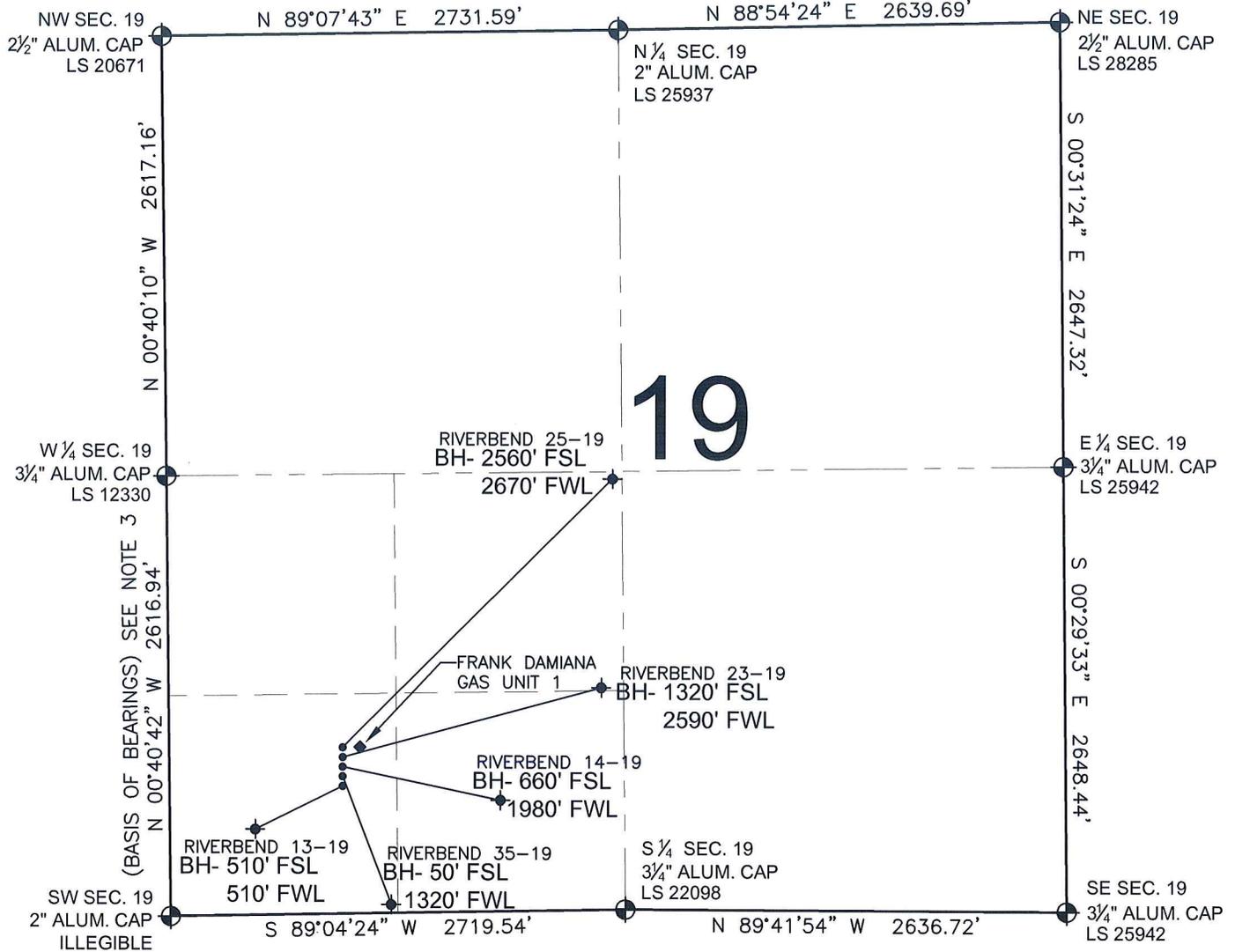


PAD DRAWING - RIVERBEND 5 PAD

SECTION 19, TOWNSHIP 1 NORTH, RANGE 66 WEST, 6TH P.M.



LEGEND

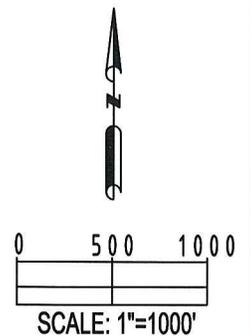
- ⊙ = EXISTING MONUMENT
- ⊕ = PROPOSED WELL
- ⬥ = BOTTOM HOLE
- ◆ = EXISTING WELL
- BH= BOTTOM HOLE

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:

- RIVERBEND 13-19 TO BE AT 926' FSL, 1024' FWL.
- BOTTOM HOLE AT 510' FSL & 510' FWL.
- RIVERBEND 35-19 TO BE AT 942' FSL, 1027' FWL.
- BOTTOM HOLE AT 50' FSL & 1320' FWL.
- RIVERBEND 14-19 TO BE AT 957' FSL, 1031' FWL.
- BOTTOM HOLE AT 660' FSL & 1980' FWL.
- RIVERBEND 23-19 TO BE AT 973' FSL, 1034' FWL.
- BOTTOM HOLE AT 1320' FSL & 2590' FWL.
- RIVERBEND 25-19 TO BE AT 989' FSL, 1038' FWL.
- BOTTOM HOLE AT 2560' FSL & 2670' FWL.
- FRANK DAMIANA GAS UNIT 1 IS 989' FSL, 1088' FWL.



REVISIONS		PREPARED BY:
INITIAL	DATE	
		 PFS llc Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204

KERR-MCGEE OIL & GAS ONSHORE LP

FIELD DATE: 04-23-10	PAD NAME: RIVERBEND 5 PAD
DRAWING DATE: 04-26-10	SURFACE LOCATION:
BY: SMF	WELD COUNTY, COLORADO SW 1/4 SW 1/4, SEC. 19, T1N, R66W