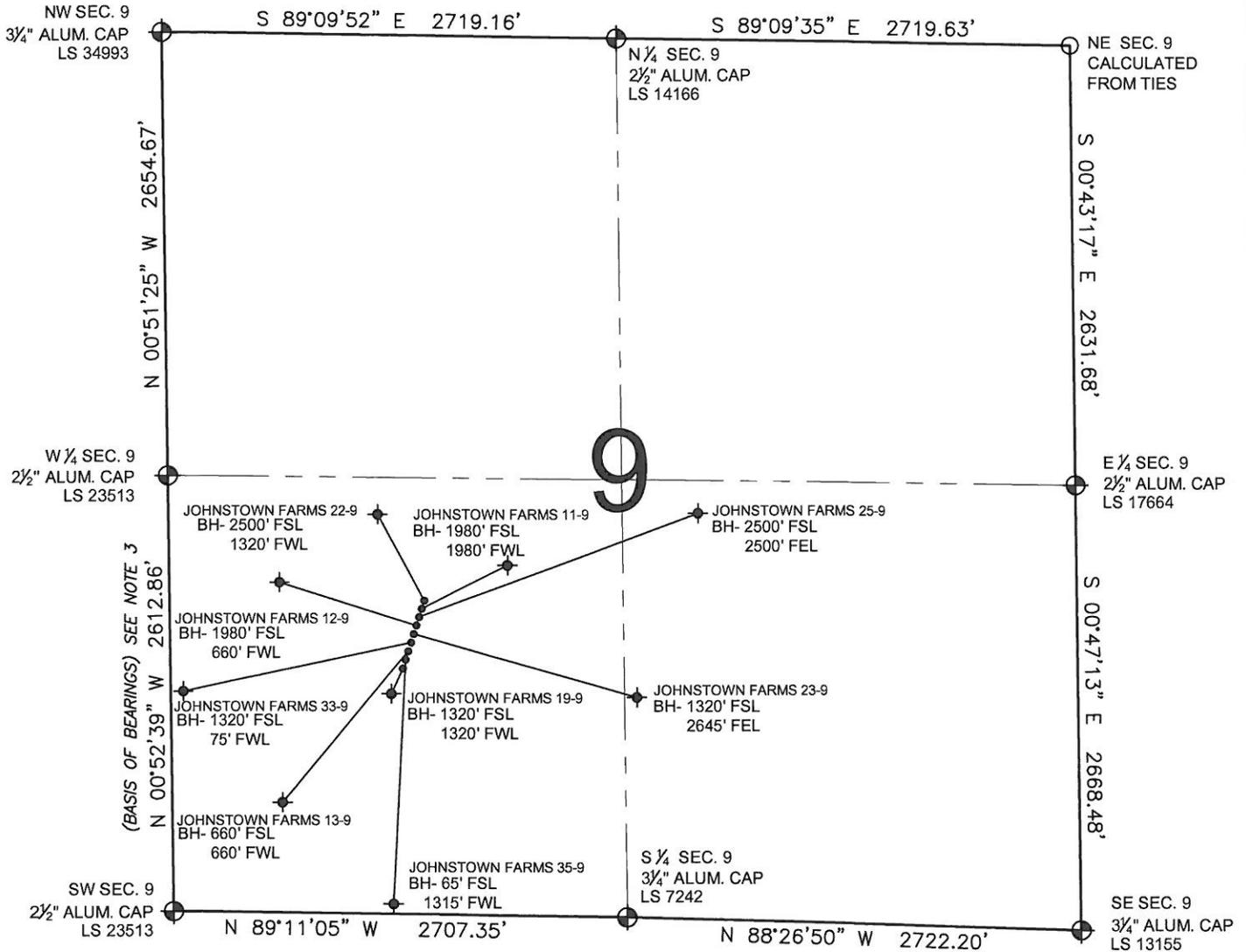


PAD DRAWING: JOHNSTOWN FARMS 9-PAD

SECTION 9, TOWNSHIP 4 NORTH, RANGE 67 WEST, 6TH P.M.



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

NOTES:

JOHNSTOWN FARMS 19-9 TO BE AT 1533' FSL, 1410' FWL.
 BOTTOM HOLE AT 1320' FSL & 1320' FWL.
 JOHNSTOWN FARMS 35-9 TO BE AT 1543' FSL, 1412' FWL.
 BOTTOM HOLE AT 65' FSL & 1315' FWL.
 JOHNSTOWN FARMS 13-9 TO BE AT 1552' FSL, 1414' FWL.
 BOTTOM HOLE AT 660' FSL & 660' FWL.
 JOHNSTOWN FARMS 33-9 TO BE AT 1562' FSL, 1417' FWL.
 BOTTOM HOLE AT 1320' FSL & 75' FWL.
 JOHNSTOWN FARMS 23-9 TO BE AT 1572' FSL, 1419' FWL.
 BOTTOM HOLE AT 1320' FSL & 2645' FEL.
 JOHNSTOWN FARMS 12-9 TO BE AT 1582' FSL, 1422' FWL.
 BOTTOM HOLE AT 1980' FSL & 660' FWL.
 JOHNSTOWN FARMS 25-9 TO BE AT 1592' FSL, 1424' FWL.
 BOTTOM HOLE AT 2500' FSL & 2500' FEL.
 JOHNSTOWN FARMS 11-9 TO BE AT 1601' FSL, 1426' FWL.
 BOTTOM HOLE AT 1980' FSL & 1980' FWL.
 JOHNSTOWN FARMS 22-9 TO BE AT 1611' FSL, 1429' FWL.
 BOTTOM HOLE AT 2500' FSL & 1320' FWL.

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.

PREPARED BY:

PFS



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

KERR-MCGEE OIL & GAS ONSHORE LP

FIELD DATE: 06-11-10	PAD NAME: JOHNSTOWN FARMS 9-PAD
DRAWING DATE: 02-11-11	SURFACE LOCATION: WELD COUNTY, COLORADO NE 1/4 SW 1/4, SEC. 9, T4N, R67W
BY: TBS	

