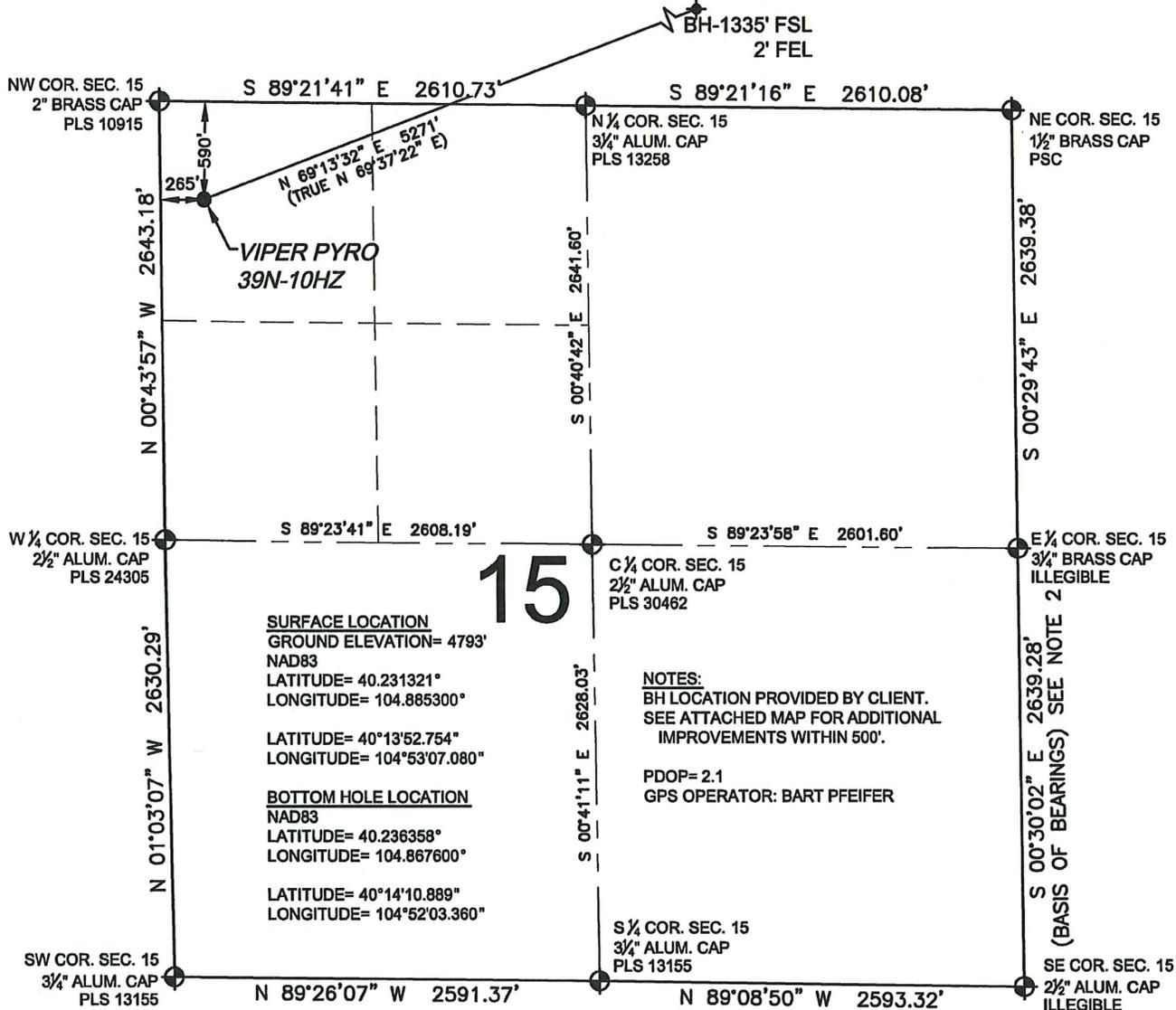
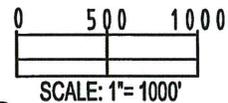


# WELL LOCATION CERTIFICATE: VIPER PYRO 39N-10HZ

SECTION 15, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.



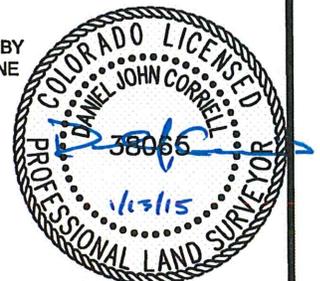
WELL VIPER PYRO 39N-10HZ TO BE LOCATED 590' FNL AND 265' FWL



**NOTES:**

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.
4. ALL LINES SHOWN THAT ARE WITHOUT DIMENSION SHOULD BE CONSIDERED SCALED AND ONLY REPRESENT A GRAPHICAL DEPICTION OF THE APPROXIMATE LOCATION OF SAID LINE.

I, DANIEL JOHN CORRIELL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **KERR-MCGEE OIL & GAS ONSHORE LP**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.



SHEET 1 OF 2

DANIEL JOHN CORRIELL, PLS 38065  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC

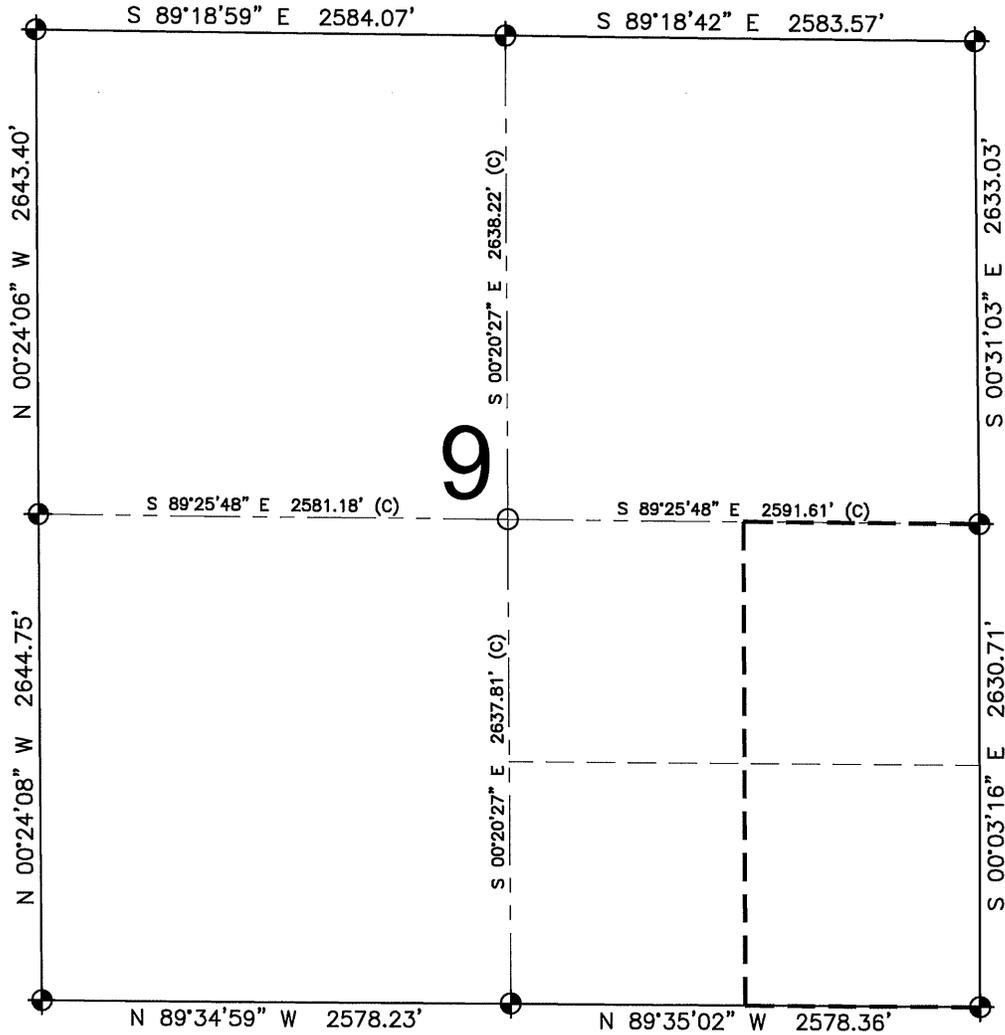
PREPARED BY: <b>PFS</b> Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 09-03-14  DRAWING DATE: 01-11-15  BY: SMF CHECKED: ATK	SURFACE LOCATION: NW 1/4 NW 1/4, SEC. 15, T3N, R67W, 6TH P.M. WELD COUNTY, COLORADO
--	---	--

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.



# VIPER PYRO 39N-10HZ

SECTION 9, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.



**LEGEND**

- ⊙ = EXISTING MONUMENT    ⊕ = BOTTOM HOLE
- = PROPOSED HEEL        BH = BOTTOM HOLE
- = CALCULATED POSITION

**HEEL LOCATION**

UTM 13  
 LATITUDE= 40.236227°  
 LONGITUDE= 104.885579°  
  
 LATITUDE= 40°14'10.416"  
 LONGITUDE= 104°53'08.086"

**QRT/QRT SECTIONS WITHIN PATH OF THE HARDLINE**

NESE, SEC. 9  
 SESE, SEC. 9

**BOTTOM HOLE LOCATION**

NAD83  
 LATITUDE= 40.236358°  
 LONGITUDE= 104.867600°  
  
 LATITUDE= 40°14'10.889"  
 LONGITUDE= 104°52'03.360"

**AVAILABLE FOOTAGE**

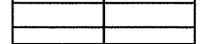
6883'

**NOTES:**

- THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT. THIS DOCUMENT DOES NOT REFLECT A FIELD SURVEY. SECTION BREAKDOWN, MONUMENTATION AND HORIZONTAL POSITIONS SHOWN ARE BASED ON THE HEEL AND BOTTOM HOLE LOCATION PROVIDED BY ANADARKO PETROLEUM CORPORATION



0 500 1000



SCALE: 1"= 1000'

PREPARED BY:  
**PFS**  
 Petroleum Field Services, LLC  
 7535 Hilltop Circle  
 Denver, CO 80221

DRAWING DATE: 01-11-15	HEEL LOCATION: NW 1/4 SW 1/4, SEC. 10, T3N, R67W, 6TH P.M. WELD COUNTY, COLORADO
BY: SMF	CHECKED: ATK