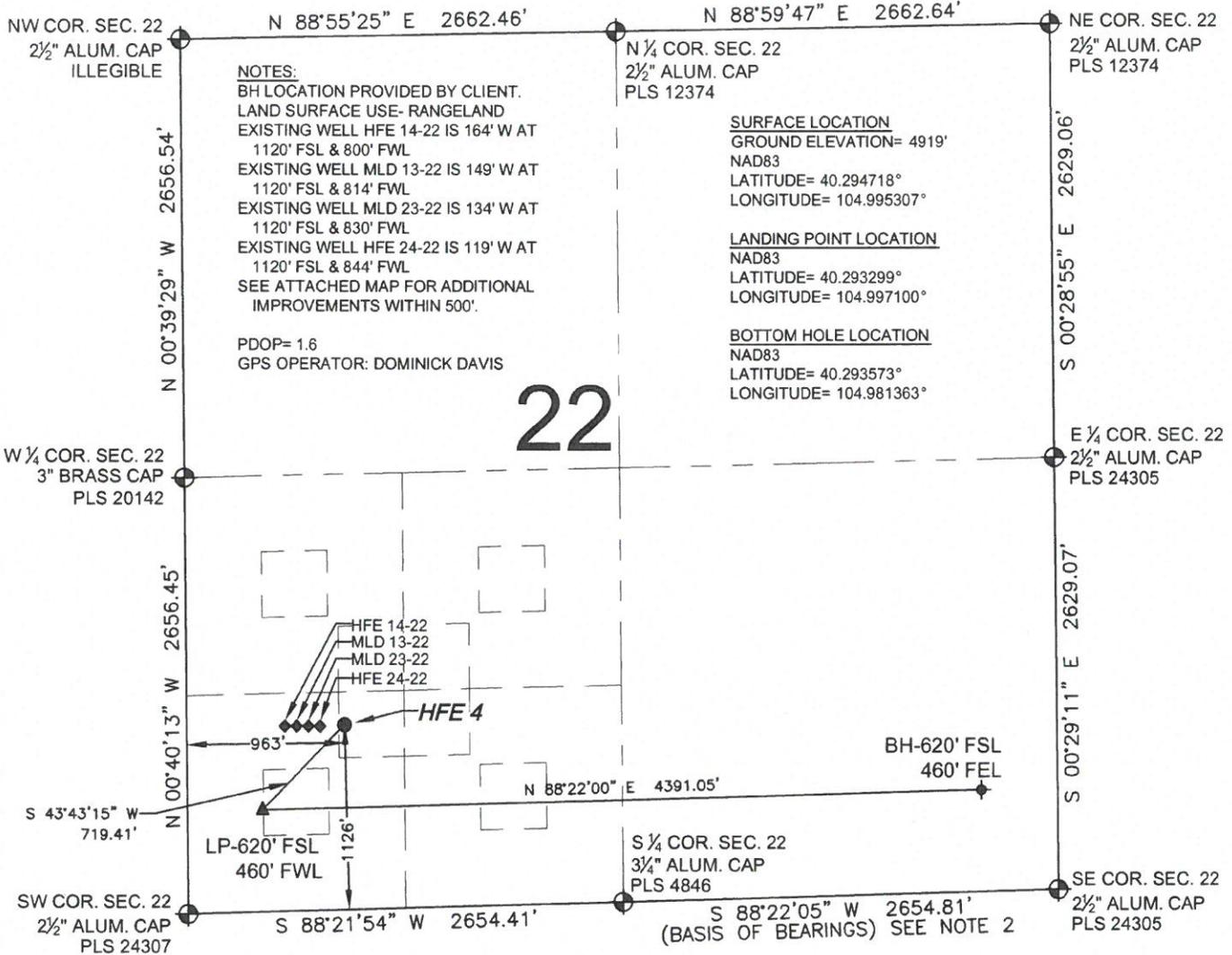
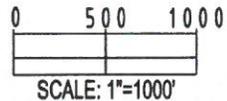


# WELL LOCATION CERTIFICATE: HFE 4

## SECTION 22, TOWNSHIP 4 NORTH, RANGE 68 WEST, 6TH P.M.



**WELL HFE 4 TO BE LOCATED 1126' FSL AND 963' FWL**



**LEGEND**

- ⊕ = EXISTING MONUMENT    ▲ = LANDING POINT
- = PROPOSED WELL        LP = LANDING POINT
- ◆ = EXISTING WELL        BH = BOTTOM HOLE
- ⊖ = BOTTOM HOLE

**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.

**NOTES:**

BH LOCATION PROVIDED BY CLIENT.  
 LAND SURFACE USE- RANGELAND  
 EXISTING WELL HFE 14-22 IS 164' W AT 1120' FSL & 800' FWL  
 EXISTING WELL MLD 13-22 IS 149' W AT 1120' FSL & 814' FWL  
 EXISTING WELL MLD 23-22 IS 134' W AT 1120' FSL & 830' FWL  
 EXISTING WELL HFE 24-22 IS 119' W AT 1120' FSL & 844' FWL  
 SEE ATTACHED MAP FOR ADDITIONAL IMPROVEMENTS WITHIN 500'.

PDOP= 1.6  
 GPS OPERATOR: DOMINICK DAVIS

**SURFACE LOCATION**

GROUND ELEVATION= 4919'  
 NAD83  
 LATITUDE= 40.294718°  
 LONGITUDE= 104.995307°

**LANDING POINT LOCATION**

NAD83  
 LATITUDE= 40.293299°  
 LONGITUDE= 104.997100°

**BOTTOM HOLE LOCATION**

NAD83  
 LATITUDE= 40.293573°  
 LONGITUDE= 104.981363°

# 22

I, MICHAEL L. POOL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **EXTRACTION OIL & GAS**, 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.

MICHAEL L. POOL, PLS 38304  
 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: 09-01-16	SURFACE LOCATION: SW 1/4 SW 1/4
	DRAWING DATE: 09-22-16	SEC. 22, T4N, R68W, 6TH P.M. WELD COUNTY, COLORADO
BY: KAD	CHECKED: CSG	

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.