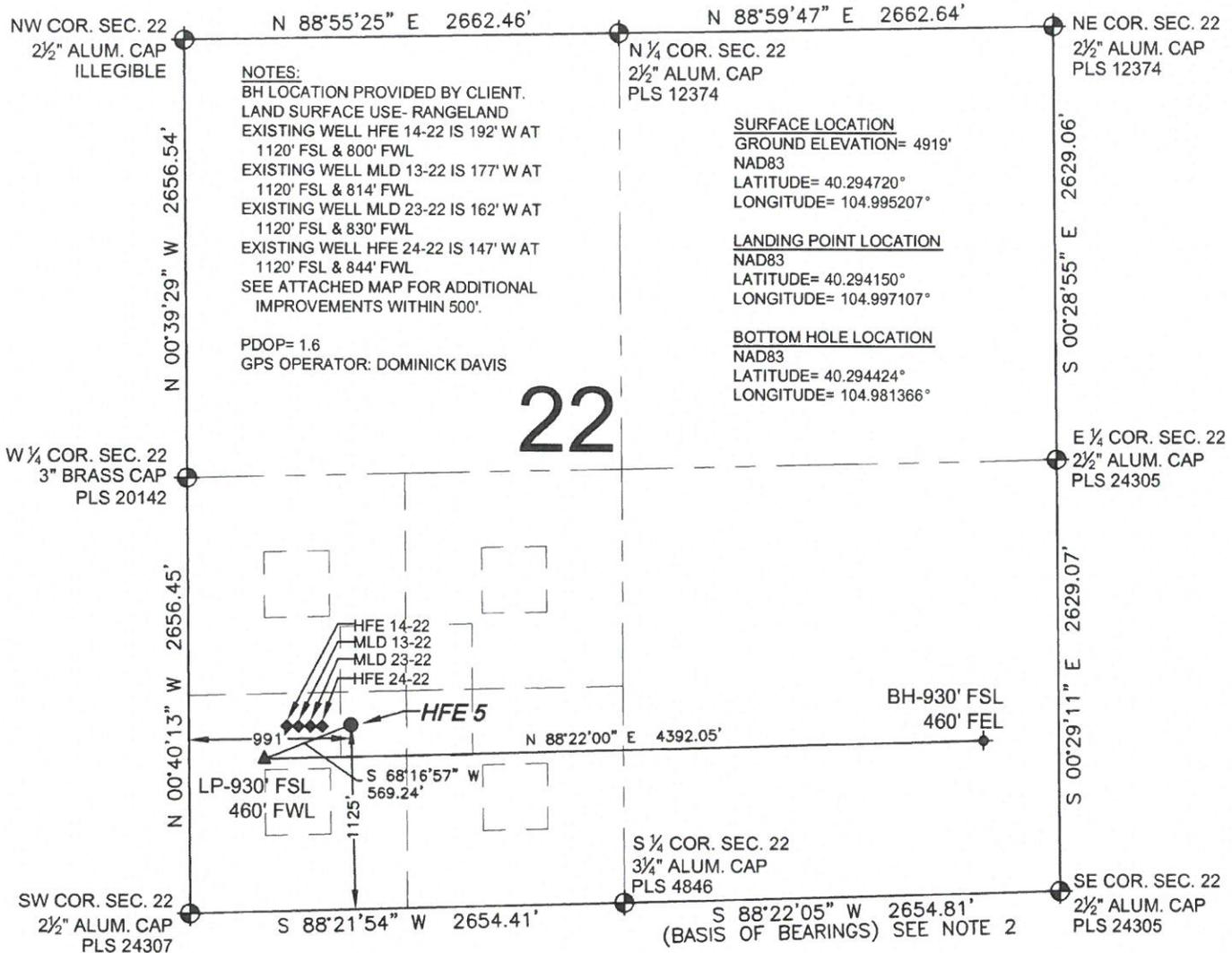


WELL LOCATION CERTIFICATE: HFE 5

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



WELL HFE 5 TO BE LOCATED 1125' FSL AND 991' FWL

LEGEND

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

NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- 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.
- 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 192' W AT
 1120' FSL & 800' FWL
 EXISTING WELL MLD 13-22 IS 177' W AT
 1120' FSL & 814' FWL
 EXISTING WELL MLD 23-22 IS 162' W AT
 1120' FSL & 830' FWL
 EXISTING WELL HFE 24-22 IS 147' 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= 40.294720°
 LONGITUDE= 104.995207°

LANDING POINT LOCATION
 NAD83
 LATITUDE= 40.294150°
 LONGITUDE= 104.997107°

BOTTOM HOLE LOCATION
 NAD83
 LATITUDE= 40.294424°
 LONGITUDE= 104.981366°

22

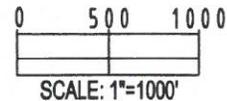
N 88°22'00" E 4392.05'

S 1/4 COR. SEC. 22
 3/4" ALUM. CAP
 PLS 4846

S 88°22'05" W 2654.81'
 (BASIS OF BEARINGS) SEE NOTE 2

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: PFS Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 09-01-16	SURFACE LOCATION: SW 1/4 SW 1/4 SEC. 22, T4N, R68W, 6TH P.M.
BY: KAD	DRAWING DATE: 09-22-16	WELD COUNTY, COLORADO
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.