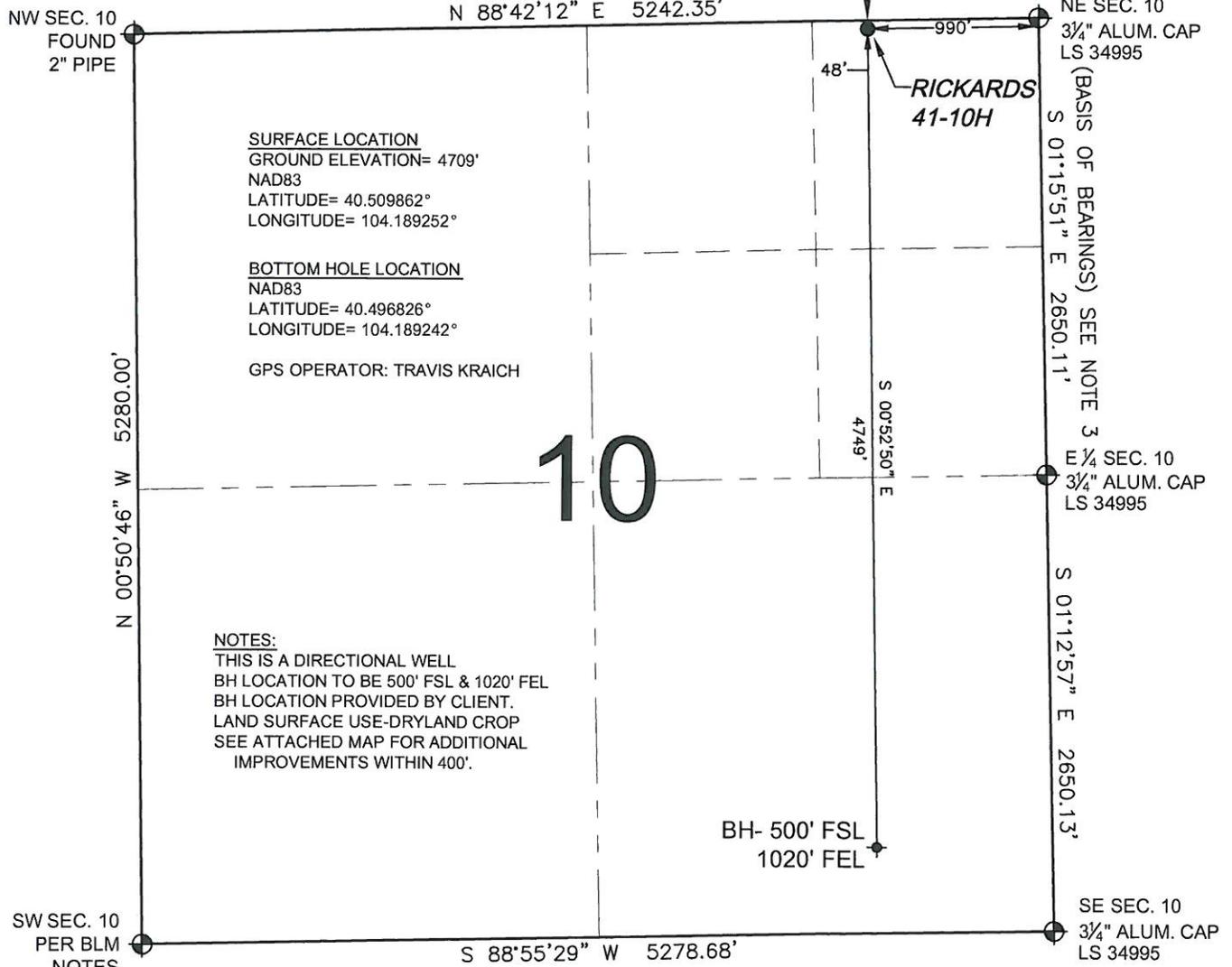


# WELL LOCATION CERTIFICATE: RICKARDS 41-10H

SECTION 10, TOWNSHIP 6 NORTH, RANGE 61 WEST, 6TH P.M.



SURFACE LOCATION  
 GROUND ELEVATION= 4709'  
 NAD83  
 LATITUDE= 40.509862°  
 LONGITUDE= 104.189252°

BOTTOM HOLE LOCATION  
 NAD83  
 LATITUDE= 40.496826°  
 LONGITUDE= 104.189242°

GPS OPERATOR: TRAVIS KRAICH

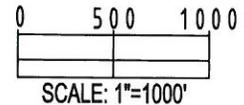
NOTES:  
 THIS IS A DIRECTIONAL WELL  
 BH LOCATION TO BE 500' FSL & 1020' FEL  
 BH LOCATION PROVIDED BY CLIENT.  
 LAND SURFACE USE-DRYLAND CROP  
 SEE ATTACHED MAP FOR ADDITIONAL  
 IMPROVEMENTS WITHIN 400'.

BH- 500' FSL  
 1020' FEL

WELL **RICKARDS 41-10H** TO BE LOCATED 48' FNL AND 990' FEL, SECTION 10, T6N, R61W OF THE 6th P.M.

**LEGEND**

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



- 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 (PDOP VALUE IS LESS THAN 6.0, LATITUDE AND LONGITUDE ARE ACCURATE TO 5 DECIMAL PLACES, AND GPS OBSERVATIONS ARE DIFFERENTIAL AND DONE BY QUALIFIED PERSONNEL.)
  - 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.

I, JERRY F. HARCEK JR., A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **PETROLEUM DEVELOPMENT CORPORATION**, 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 **RICKARDS 41-10H**. 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.

JERRY F. HARCEK JR., PLS 34997  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:  PFS Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 06-17-10	WELL NAME: RICKARDS 41-10H
	DRAWING DATE: 06-25-10	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: SMF	NE 1/4 NE 1/4, SEC. 10, T6N, R61W

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.