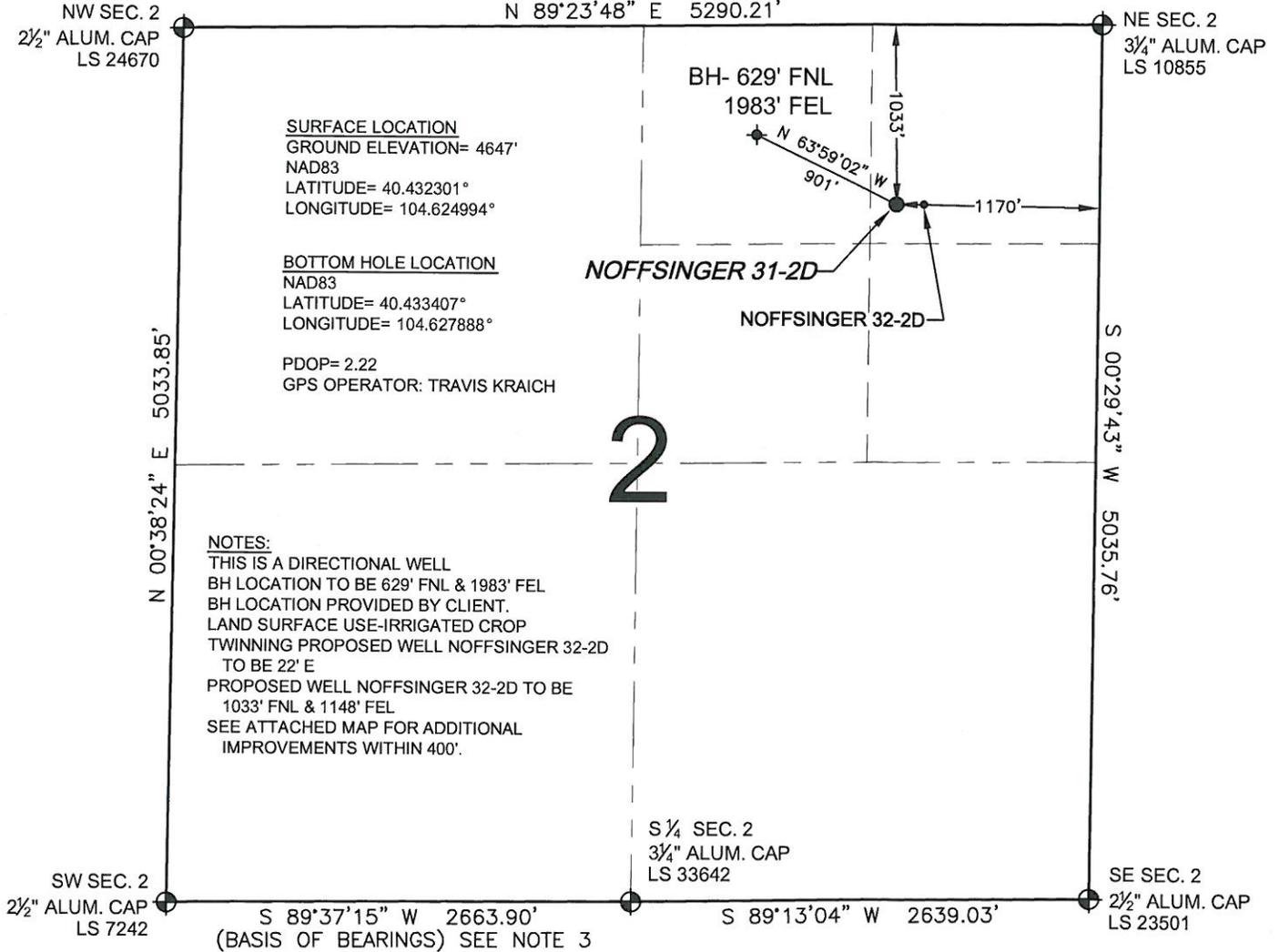


WELL LOCATION CERTIFICATE: NOFFSINGER 31-2D

SECTION 2, TOWNSHIP 5 NORTH, RANGE 65 WEST, 6TH P.M.



SURFACE LOCATION
GROUND ELEVATION= 4647'
NAD83
LATITUDE= 40.432301°
LONGITUDE= 104.624994°

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.433407°
LONGITUDE= 104.627888°

PDOP= 2.22
GPS OPERATOR: TRAVIS KRAICH

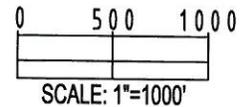
NOTES:
THIS IS A DIRECTIONAL WELL
BH LOCATION TO BE 629' FNL & 1983' FEL
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-IRRIGATED CROP
TWINNING PROPOSED WELL NOFFSINGER 32-2D
TO BE 22' E
PROPOSED WELL NOFFSINGER 32-2D TO BE
1033' FNL & 1148' FEL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.

S 1/4 SEC. 2
3/4" ALUM. CAP
LS 33642

WELL **NOFFSINGER 31-2D** TO BE LOCATED 1033' FNL AND 1170' FEL, SECTION 2, T5N, R65W 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
 - 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 **NOFFSINGER 31-2D**. 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: 05-03-10	WELL NAME: NOFFSINGER 31-2D
	DRAWING DATE: 05-13-10	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: SMF	NE 1/4 NE 1/4, SEC. 2, T5N, R65W

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.