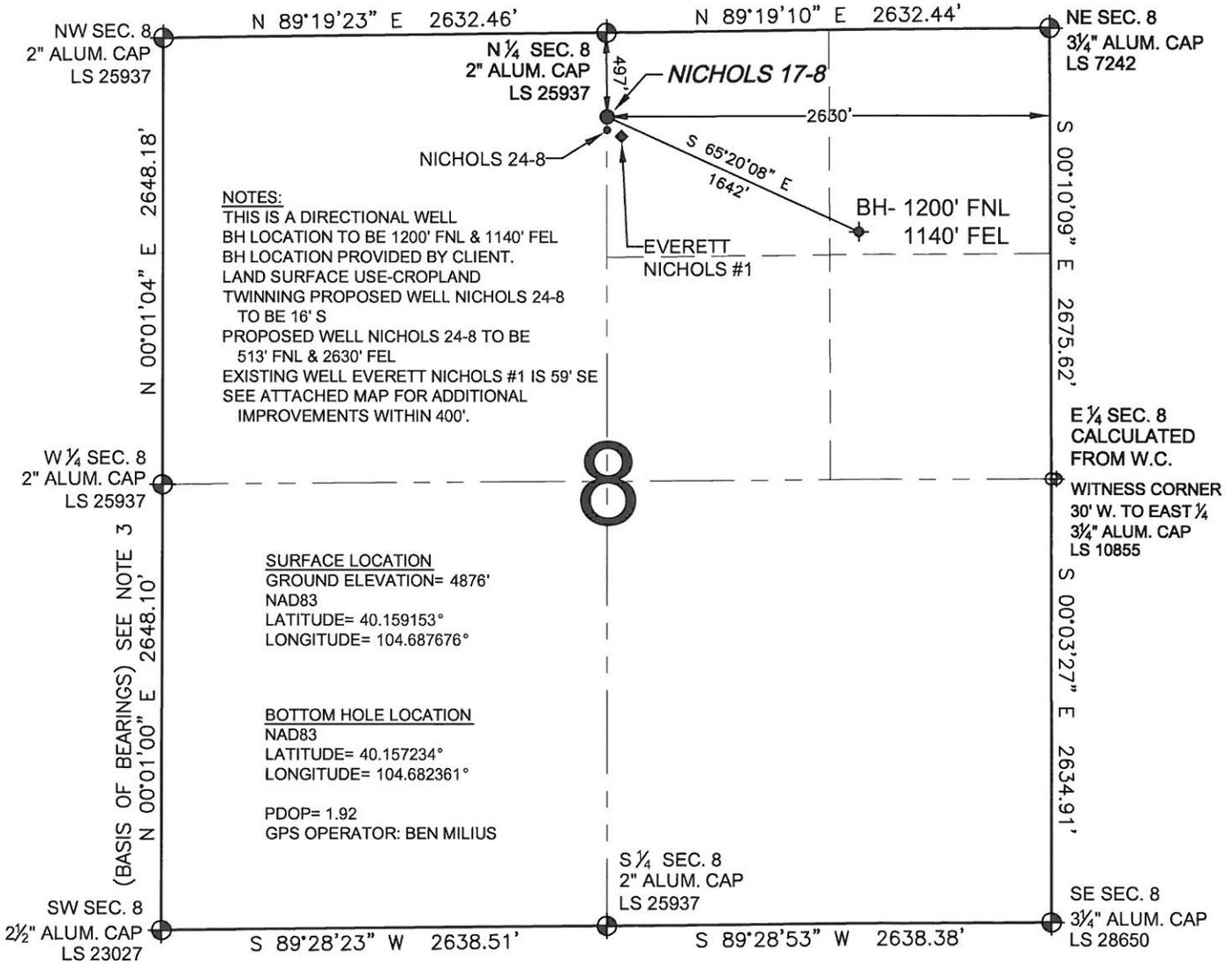


# WELL LOCATION CERTIFICATE: NICHOLS 17-8

SECTION 8, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



**NOTES:**  
 THIS IS A DIRECTIONAL WELL  
 BH LOCATION TO BE 1200' FNL & 1140' FEL  
 BH LOCATION PROVIDED BY CLIENT.  
 LAND SURFACE USE-CROPLAND  
 TWINNING PROPOSED WELL NICHOLS 24-8  
 TO BE 16' S  
 PROPOSED WELL NICHOLS 24-8 TO BE  
 513' FNL & 2630' FEL  
 EXISTING WELL EVERETT NICHOLS #1 IS 59' SE  
 SEE ATTACHED MAP FOR ADDITIONAL  
 IMPROVEMENTS WITHIN 400'.

**SURFACE LOCATION**  
 GROUND ELEVATION= 4876'  
 NAD83  
 LATITUDE= 40.159153°  
 LONGITUDE= 104.687676°

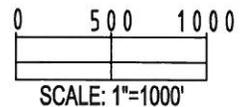
**BOTTOM HOLE LOCATION**  
 NAD83  
 LATITUDE= 40.157234°  
 LONGITUDE= 104.682361°

PDOP= 1.92  
 GPS OPERATOR: BEN MILIUS

WELL **NICHOLS 17-8** TO BE LOCATED 497' FNL AND 2630' FEL, SECTION 8, T2N, R65W OF THE 6th P.M.

**LEGEND**

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



**NOTES:**

1. THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. 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
3. THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
4. GRID DISTANCES SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, STEVEN D. PARKER, 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 **NICHOLS 17-8**. 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.

STEVEN D. PARKER, PLS 38053  
 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: 02-23-11	WELL NAME: NICHOLS 17-8
	DRAWING DATE: 02-24-11	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: CP	WELL LOCATION: NW 1/4 NE 1/4, SEC. 8, T2N, 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.