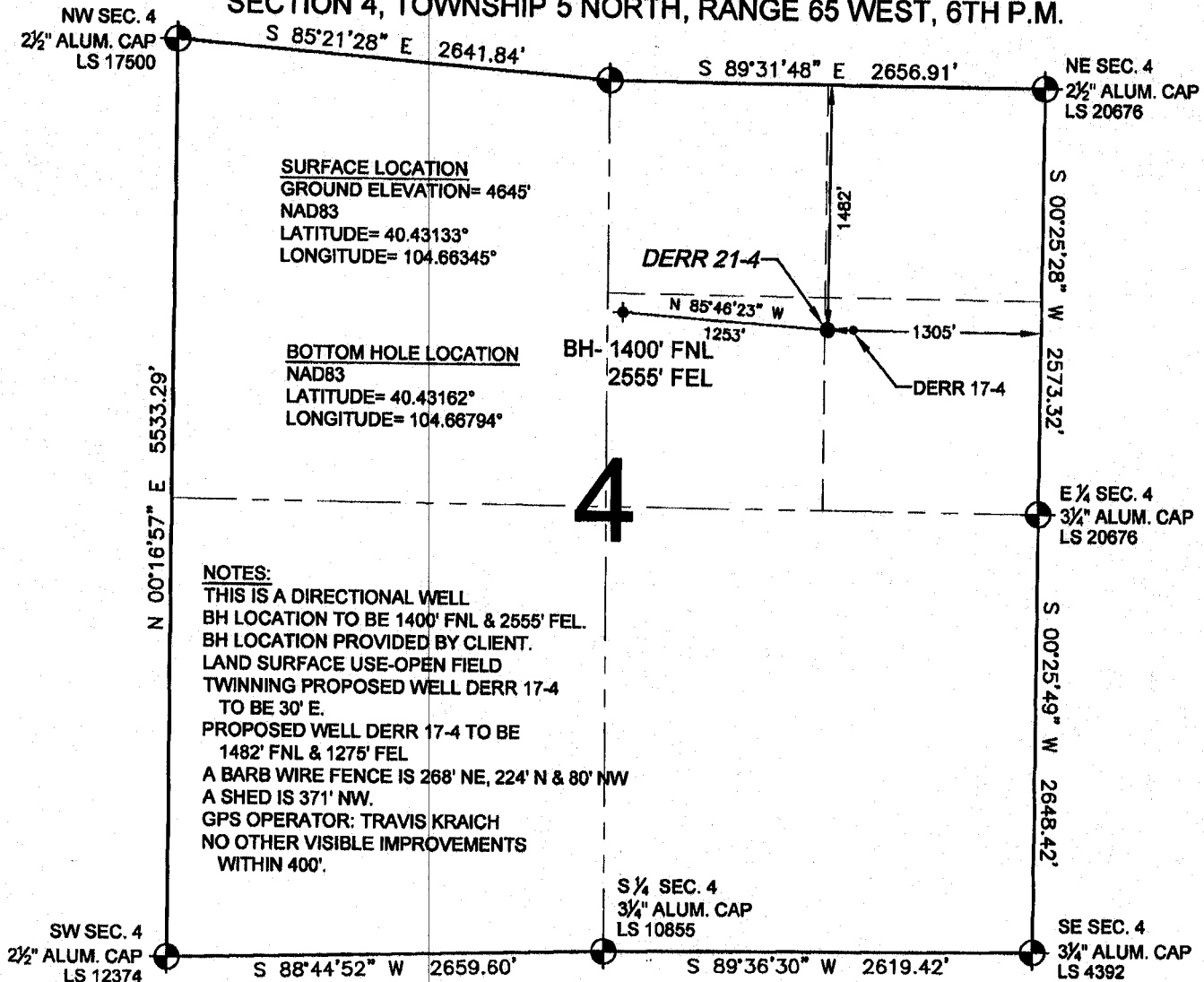


# WELL LOCATION CERTIFICATE: DERR 21-4

SECTION 4, TOWNSHIP 5 NORTH, RANGE 65 WEST, 6TH P.M.



## NOTES:

THIS IS A DIRECTIONAL WELL  
 BH LOCATION TO BE 1400' FNL & 2555' FEL.  
 BH LOCATION PROVIDED BY CLIENT.  
 LAND SURFACE USE-OPEN FIELD  
 TWINNING PROPOSED WELL DERR 17-4  
 TO BE 30' E.  
 PROPOSED WELL DERR 17-4 TO BE  
 1482' FNL & 1275' FEL  
 A BARB WIRE FENCE IS 268' NE, 224' N & 80' NW  
 A SHED IS 371' NW.  
 GPS OPERATOR: TRAVIS KRAICH  
 NO OTHER VISIBLE IMPROVEMENTS  
 WITHIN 400'.

WELL DERR 21-4 TO BE LOCATED 1482' FNL AND 1305' FEL, SECTION 4, T5N, R65W OF THE 6th P.M.

## LEGEND

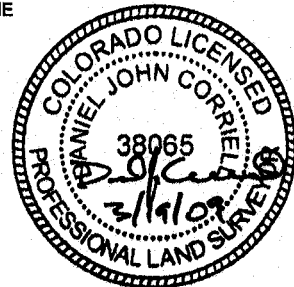
= EXISTING MONUMENT   
 = BOTTOM HOLE   
 BH = BOTTOM HOLE  
 = PROPOSED WELL   
 = EXISTING WELL

## 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 (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, DANIEL J. CORRIELL, 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 DERR 21-4. 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.

DANIEL J. CORRIELL, PLS 38065  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC

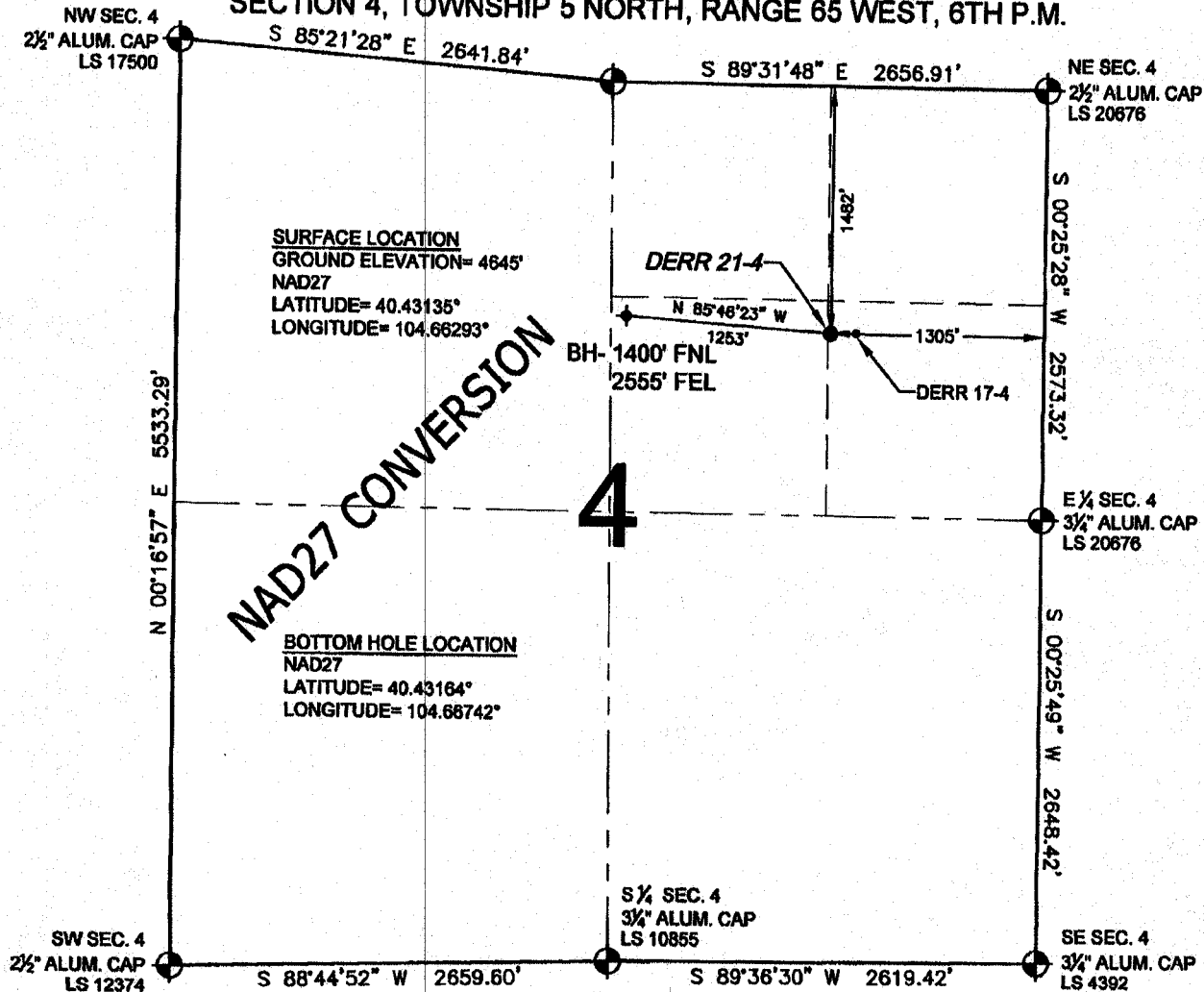


PREPARED BY: <b>PFS</b> PETERSON FARM SERVICES, LLC 1801 W. 136th Ave. Denver, CO 80224	FIELD DATE: 03-17-09	WELL NAME: DERR 21-4
	DRAWING DATE: 03-18-09	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: SMF	SE 1/4 NE 1/4, SEC. 4, T5N, R65W

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.

# EXHIBIT: NAD27 CONVERSION

SECTION 4, TOWNSHIP 5 NORTH, RANGE 65 WEST, 6TH P.M.



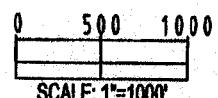
## NOTES:

- 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
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## LEGEND

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

NOTE: LATITUDE AND LONGITUDE SHOWN WERE CONVERTED FROM NAD83 USING CORPSCON 6.0 (PROGRAM). PFS DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY.



SCALE: 1"=1000'

PREPARED BY: <b>PFS</b> PFS & Associates, LLC 1001 W. 12th Ave. Denver, CO 80204	FIELD DATE: 03-17-09	WELL NAME: DERR 21-4
	DRAWING DATE: 03-18-09	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: SMF	SE 1/4 NE 1/4, SEC. 4, 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.