

# WELL LOCATION CERTIFICATE: STATE 13-18

SECTION 18, TOWNSHIP 3 NORTH, RANGE 62 WEST, 6TH P.M.

NOTES:  
THIS IS A VERTICAL WELL.  
LAND SURFACE USE-OPEN FIELD  
GPS OPERATOR: CHRIS PEARSON  
SEE ATTACHED MAP FOR ADDITIONAL  
IMPROVEMENTS WITHIN 400'.

# 18

W 1/4 SEC. 18  
2 1/2" ALUM. CAP  
LS 38065

N 00°43'55" W 2607.43'

622'  
773'

SW SEC. 18  
2 1/2" ALUM. CAP  
LS 38065

S 89°18'25" W 2729.10'

S 1/4 SEC. 18  
2 1/2" ALUM. CAP  
LS 38065

SURFACE LOCATION  
GROUND ELEVATION= 4693'  
NAD83  
LATITUDE= 40.22062°  
LONGITUDE= 104.37421°

PDOP= 2.65  
GPS OPERATOR: CHRIS PEARSON

SE SEC. 18  
FOUND  
1 1/2" IRON PIPE

S 89°18'23" W 2640.01'

WELL **STATE 13-18** TO BE LOCATED 773' FSL AND 622' FWL, SECTION 18, T3N, R62W OF THE 6th P.M.

## LEGEND

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

0 500 1000  
SCALE: 1"=1000'

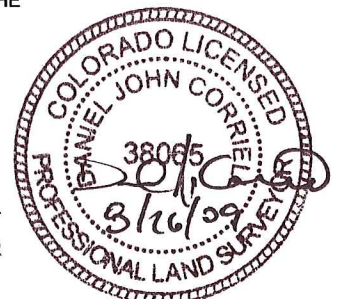


## NOTES:

- 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, 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 **STATE 13-18**. 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:



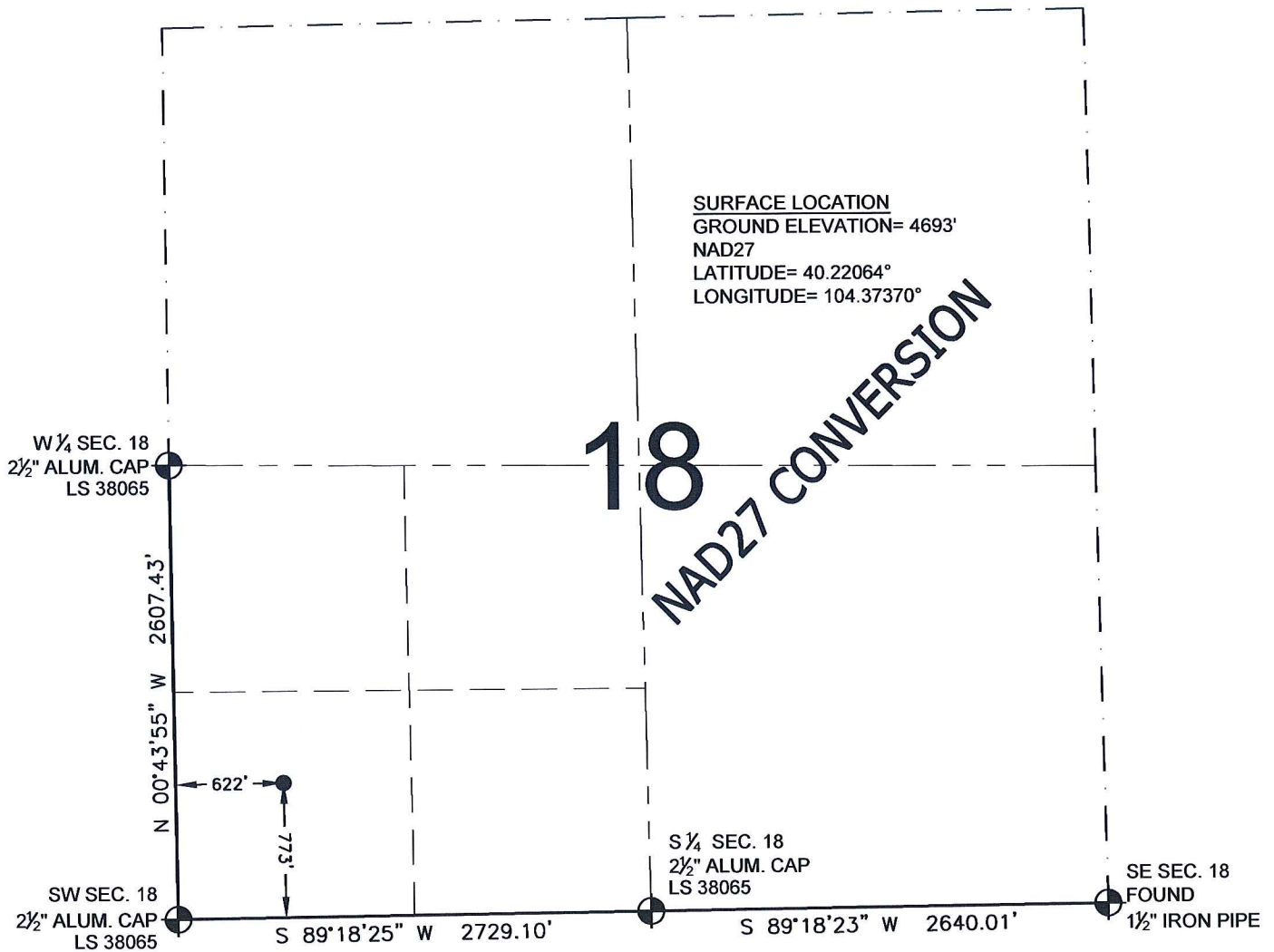
FIELD DATE:  
07-31-09  
DRAWING DATE:  
08-04-09  
BY:  
SMF

WELL NAME:  
STATE 13-18  
SURFACE LOCATION:  
WELD COUNTY, COLORADO  
SW 1/4 SW 1/4, SEC. 18, T3N, R62W

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 #, TOWNSHIP # NORTH, RANGE ## WEST, 6TH P.M.



WELL **STATE 13-18** TO BE LOCATED 773' FSL AND 622' FWL, SECTION 18, T3N, R62W OF THE 6th P.M.

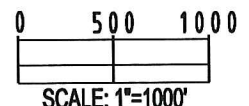
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NOTE: LATITUDE AND LONGITUDE SHOWN WERE CONVERTED FROM NAD83 USING CORPSCON 6.0 (PROGRAM). PFS DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY.



PREPARED BY:	FIELD DATE:	WELL NAME:
PFS	07-31-09	STATE 13-18
1801 W. 13th Ave.	DRAWING DATE:	SURFACE LOCATION:
Denver, CO 80204	08-04-09	WELD COUNTY, COLORADO
	BY:	SW 1/4 SW 1/4, SEC. 18, T3N, R62W
	SMF	

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.