

# WELL LOCATION CERTIFICATE: BM LAND 13-5

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

N 89°31'55" E 5255.39'

NW SEC. 5  
3/4" ALUM. CAP  
LS 12330

NE SEC. 5  
2 1/2" ALUM. CAP  
LS 23501

N 00°07'37" E 2514.93'

S 00°07'43" W 2517.50'

SURFACE LOCATION  
GROUND ELEVATION= 4910'  
NAD83  
LATITUDE= 40.161902°  
LONGITUDE= 104.695242°  
  
PDOP= 1.96  
GPS OPERATOR: BEN MILIUS

NOTES:  
THIS IS A VERTICAL WELL  
LAND SURFACE USE-AGRICULTURE  
TWINNING-PROPOSED WELL BM LAND 12-5  
TO BE 16' SE  
PROPOSED WELL BM LAND 12-5 TO BE  
499' FSL & 522' FWL  
SEE ATTACHED MAP FOR ADDITIONAL  
IMPROVEMENTS WITHIN 400'.

# 5

W 1/4 SEC. 5  
2" ALUM. CAP  
LS 25937

E 1/4 SEC. 5  
3/4" ALUM. CAP  
LS 13155

(BASIS OF BEARINGS) SEE NOTE 3  
N 00°15'25" E 2649.39'

S 00°03'15" W 2627.35'

SW SEC. 5  
2" ALUM. CAP  
LS 25937

SE SEC. 5  
3/4" ALUM. CAP  
LS 7242

S 89°19'22" W 2632.46'

S 89°19'10" W 2632.44'

BM LAND 13-5

BM LAND 12-5

S 1/4 SEC. 5  
2" ALUM. CAP  
LS 25937

WELL **BM LAND 13-5** TO BE LOCATED 510' FSL AND 510' FWL, SECTION 5, T2N, R65W OF THE 6th P.M.

## LEGEND

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

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, JERRY F. HARCEK JR., 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 **BM LAND 13-5**. 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

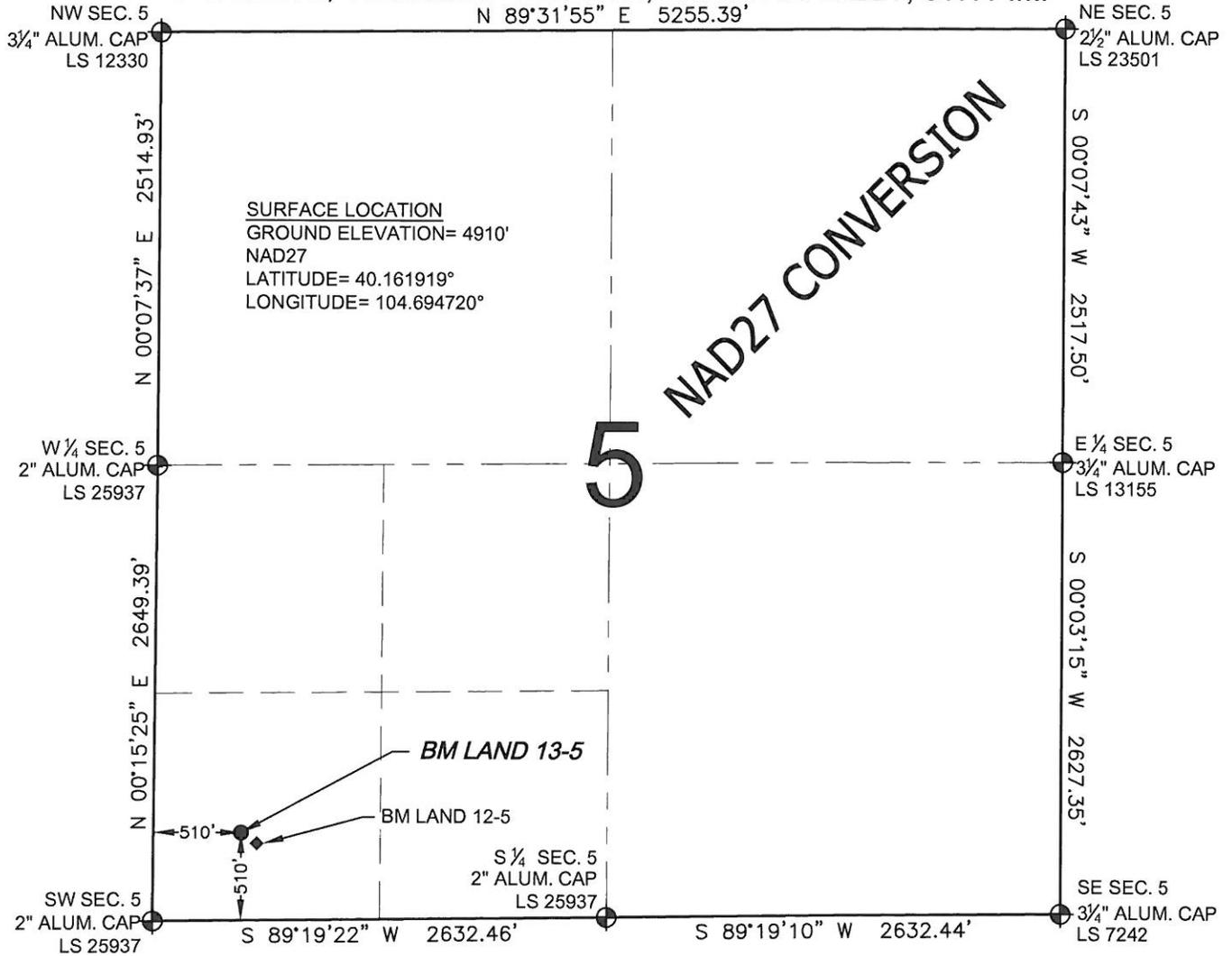


PREPARED BY:  PFS Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 06-21-10	WELL NAME: BM LAND 13-5
	DRAWING DATE: 07-06-10	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: TJN	SW 1/4 SW 1/4, SEC. 5, T2N, R65W

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.

# EXHIBIT: NAD27 CONVERSION

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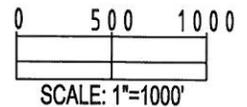
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NOTE: LATITUDE AND LONGITUDE SHOWN WERE CONVERTED FROM NAD83 USING CORPSCON 6.0 (PROGRAM). PFS DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY.



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	BY: TJN	SW 1/4 SW 1/4, SEC. 5, T2N, R65W

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