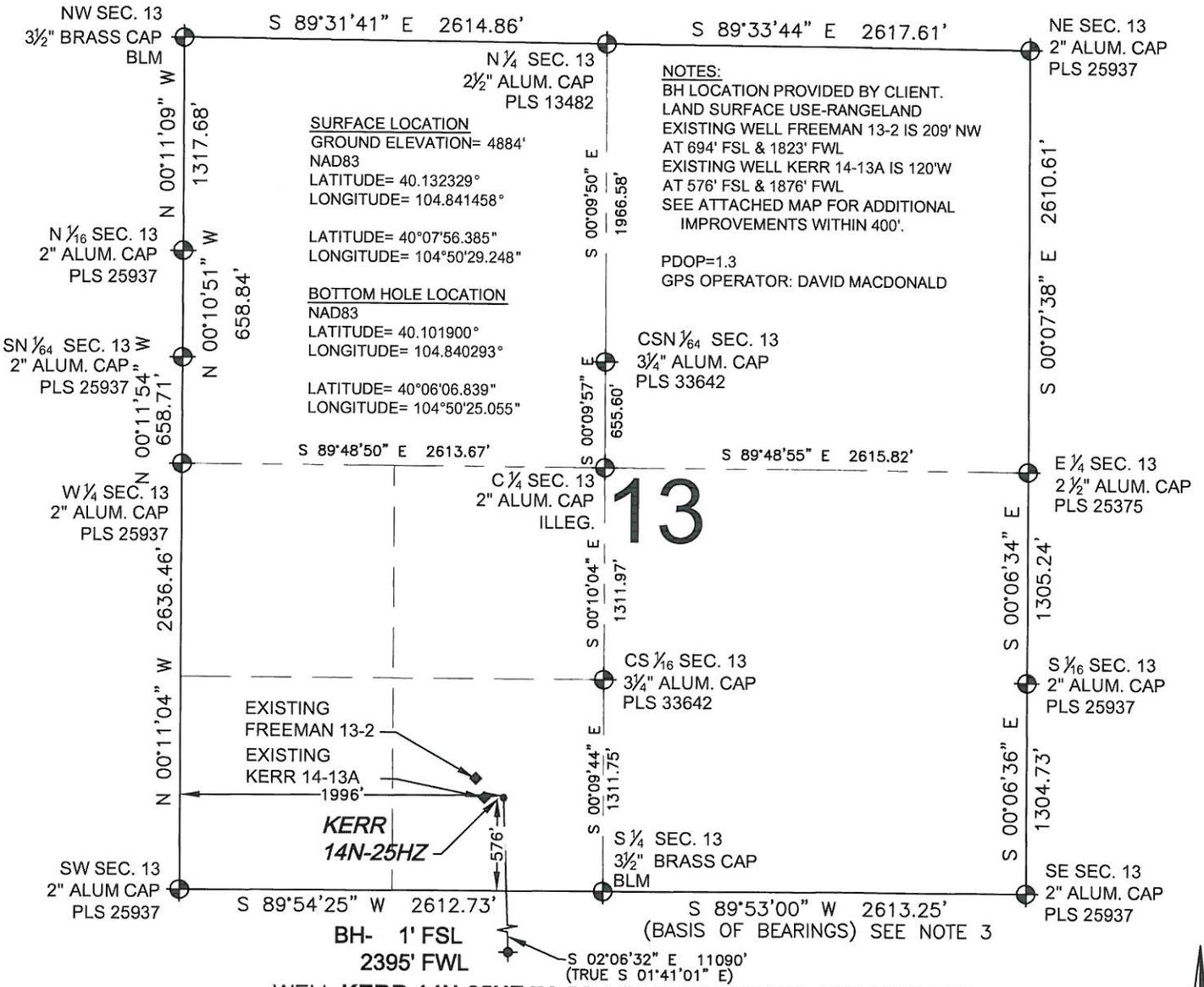


WELL LOCATION CERTIFICATE: KERR 14N-25HZ

SECTION 13, TOWNSHIP 2 NORTH, RANGE 67 WEST, 6TH P.M.



NOTES:
 BH LOCATION PROVIDED BY CLIENT.
 LAND SURFACE USE-RANGELAND
 EXISTING WELL FREEMAN 13-2 IS 209' NW
 AT 694' FSL & 1823' FWL
 EXISTING WELL KERR 14-13A IS 120'W
 AT 576' FSL & 1876' FWL
 SEE ATTACHED MAP FOR ADDITIONAL
 IMPROVEMENTS WITHIN 400'.

PDOP=1.3
 GPS OPERATOR: DAVID MACDONALD

SURFACE LOCATION
 GROUND ELEVATION= 4884'
 NAD83
 LATITUDE= 40.132329°
 LONGITUDE= 104.841458°

LATITUDE= 40°07'56.385"
 LONGITUDE= 104°50'29.248"

BOTTOM HOLE LOCATION
 NAD83
 LATITUDE= 40.101900°
 LONGITUDE= 104.840293°

LATITUDE= 40°06'06.839"
 LONGITUDE= 104°50'25.055"

13

WELL KERR 14N-25HZ TO BE LOCATED 576' FSL AND 1996' FWL

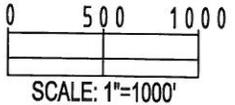
LEGEND

- ⊙ = EXISTING MONUMENT
- ⊗ = PROPOSED WELL
- BH = BOTTOM HOLE
- ◆ = EXISTING WELL
- ⬥ = BOTTOM HOLE

- NOTES:**
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
 - HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
 - THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED MONUMENTS SHOWN HEREON.
 - GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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. 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.

MARK A. HALL, PLS 36073
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC



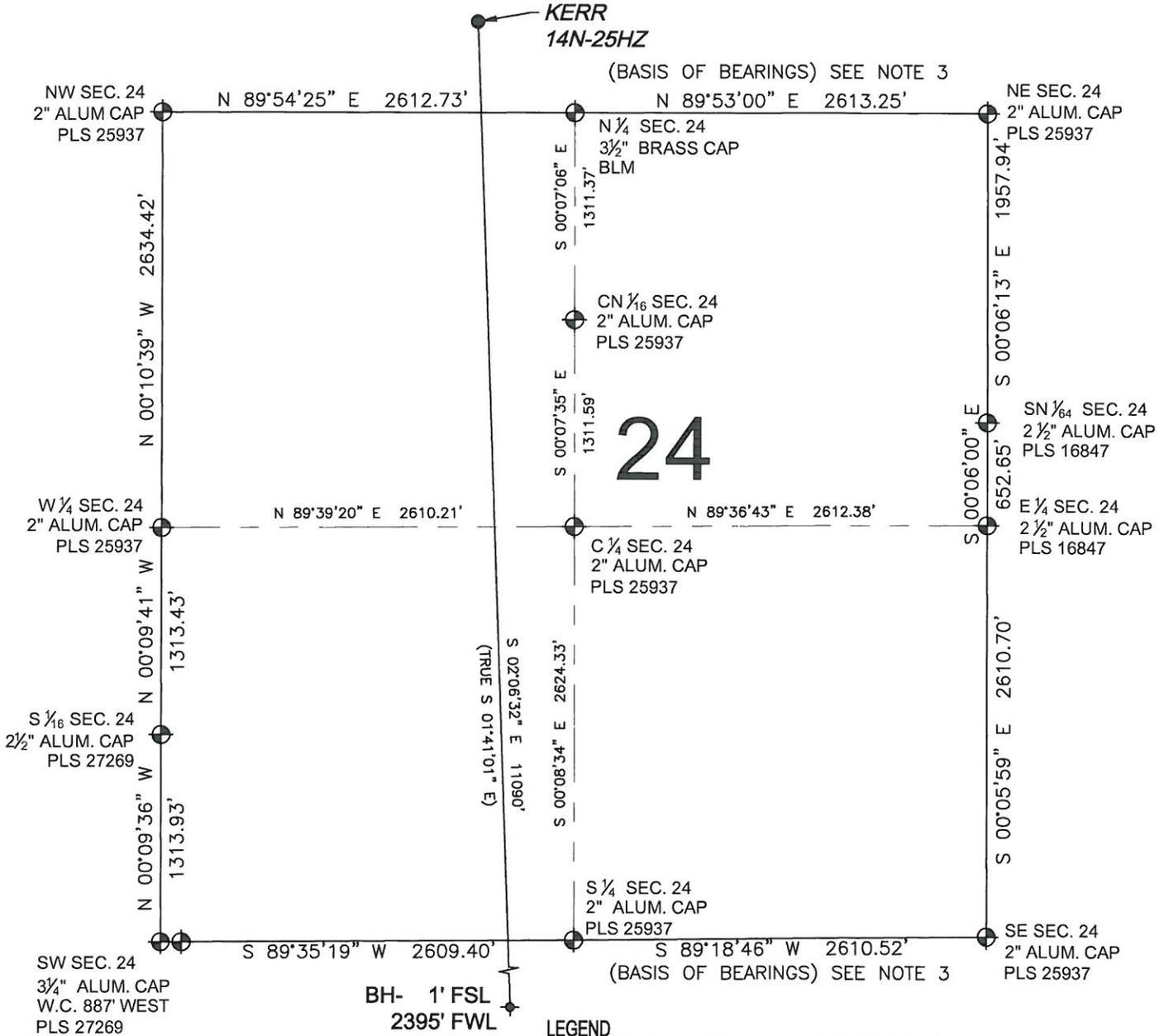
SHEET 1 OF 3

PREPARED BY: Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 04-30-13	SURFACE LOCATION: SE 1/4 SW 1/4, SEC. 13, T2N, R67W, 6TH P.M. WELD COUNTY, COLORADO
	DRAWING DATE: 05-29-13	
BY: CLM	REV: TJN	

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.

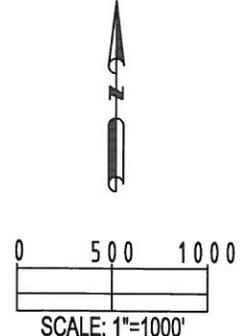
WELL LOCATION CERTIFICATE: KERR 14N-25HZ

SECTION 24, TOWNSHIP 2 NORTH, RANGE 67 WEST, 6TH P.M.



- NOTES:**
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
 2. HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
 3. THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED MONUMENTS SHOWN HEREON.
 4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

- LEGEND**
- ⊕ = EXISTING MONUMENT
 - ⬠ = PROPOSED WELL
 - ⬠ = BOTTOM HOLE
 - ⬠ = EXISTING WELL
 - BH = BOTTOM HOLE



MARK A. HALL, PLS 36073
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC

SHEET 2 OF 3

PREPARED BY: Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 04-30-13	SURFACE LOCATION: SE 1/4 SW 1/4, SEC. 13, T2N, R67W, 6TH P.M.
	DRAWING DATE: 05-29-13	WELD COUNTY, COLORADO
BY: CLM	REV: TJN	

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.

WELL LOCATION CERTIFICATE: KERR 14N-25HZ

SECTION 25, TOWNSHIP 2 NORTH, RANGE 67 WEST, 6TH P.M.

NW SEC. 25
3/4" ALUM. CAP
W.C. 887' WEST
PLS 27269

KERR
14N-25HZ

(BASIS OF BEARINGS) SEE NOTE 3

NE SEC. 25
2" ALUM. CAP
PLS 25937

N 1/4 SEC. 25
2" ALUM. CAP
PLS 25937

N 00°02'08" E 2592.92'

(TRUE S 01°41'01" E)
S 02°06'32" E 11090'
S 00°17'44" E 2623.29'

S 00°32'56" E 5303.50'

25

W 1/4 SEC. 25
2 1/2" ALUM. CAP
PLS 23027

CW 1/16 SEC. 25
PLASTIC CAP
PLS 12330
S 89°44'52" E 1312.35'
S 89°44'45" E 1312.16'

S 89°58'36" E 2622.24'

C 1/4 SEC. 25
2 1/2" ALUM. CAP
PLS 23027

N 00°09'10" E 1319.07'

S 00°18'18" E 1319.22'

S 1/16 SEC. 25
2 1/2" ALUM. CAP
ILLEGIBLE

SW 1/16 SEC. 25
W.C. 20' WEST
PLS 34995

CS 1/16 SEC. 25
2" ALUM. CAP
PLS 25937

SE 1/16 SEC. 25
2" ALUM. CAP
PLS 12330

N 00°08'51" E 1319.24'

S 00°18'10" E 1319.10'

BH- 1' FSL
2395' FWL

SW SEC. 25
3/4" ALUM. CAP
PLS 22098

N 89°44'35" W 1322.70'

N 89°45'18" W 1322.71'

S 1/4 SEC. 25
3" BRASS CAP
BLM

E 1/16 SEC. 25
3/4" ALUM. CAP
PLS 34995

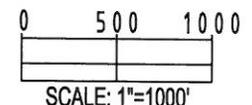
SE SEC. 25
3/4" ALUM. CAP
PLS 25369

LEGEND

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- ⊙ = PROPOSED WELL
- BH = BOTTOM HOLE
- ⬮ = BOTTOM HOLE
- ⬮ = EXISTING WELL

NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
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MARK A. HALL, PLS 36073
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

SHEET 3 OF 3

PREPARED BY: 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 04-30-13	SURFACE LOCATION: SE 1/4 SW 1/4, SEC. 13, T2N, R67W, 6TH P.M.
	DRAWING DATE: 05-29-13	WELD COUNTY, COLORADO
BY: CLM	REV: TJN	

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