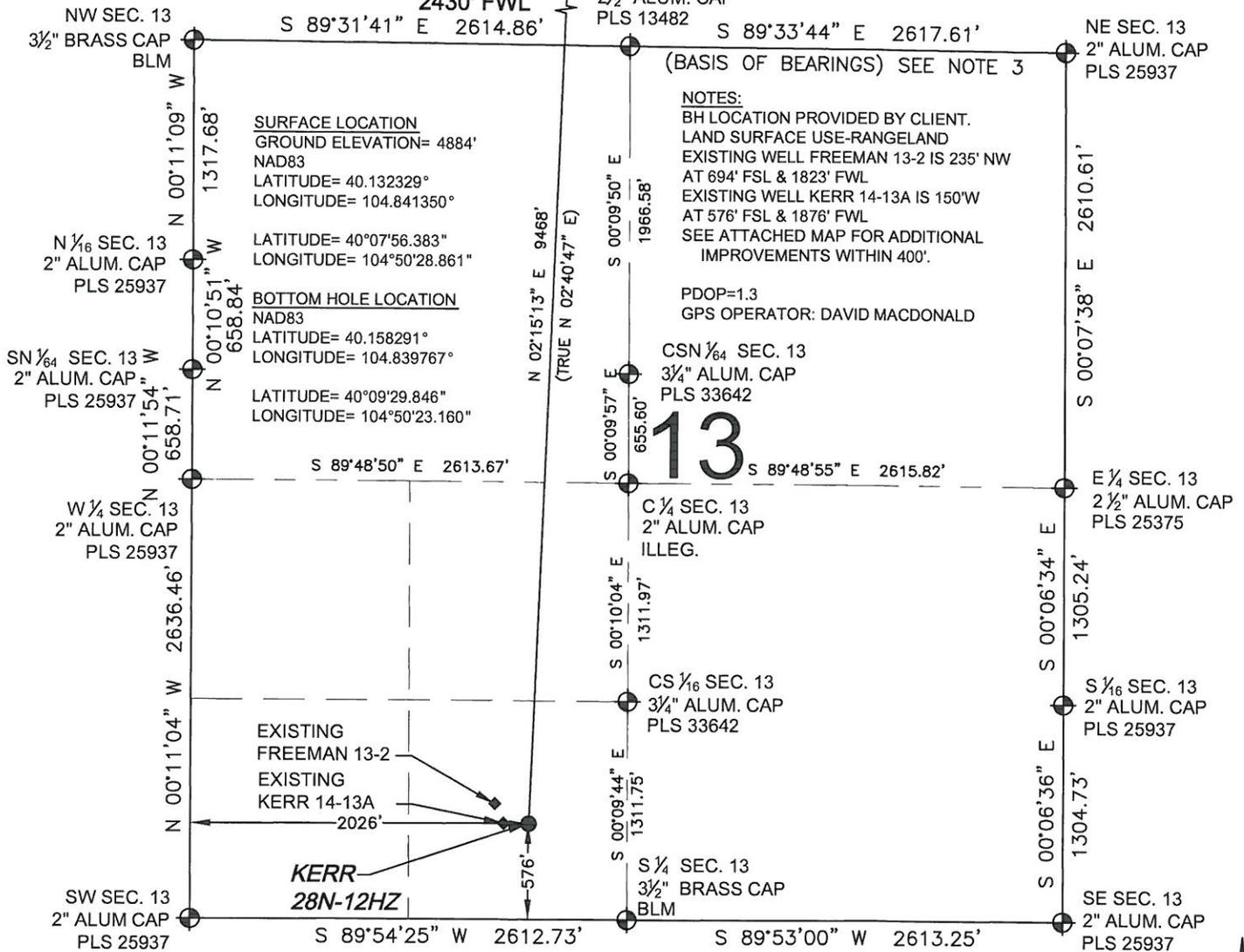


WELL LOCATION CERTIFICATE: KERR 28N-12HZ

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

BH- 460' FNL
2430' FWL
N 1/4 SEC. 13
2 1/2" ALUM. CAP
PLS 13482



NOTES:
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-RANGELAND
EXISTING WELL FREEMAN 13-2 IS 235' NW
AT 694' FSL & 1823' FWL
EXISTING WELL KERR 14-13A IS 150' W
AT 576' FSL & 1876' FWL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.

PDOP=1.3
GPS OPERATOR: DAVID MACDONALD

CSN 1/64 SEC. 13
3/4" ALUM. CAP
PLS 33642

13

C 1/4 SEC. 13
2" ALUM. CAP
ILLEG.

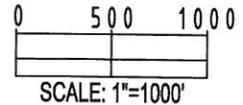
CS 1/16 SEC. 13
3/4" ALUM. CAP
PLS 33642

S 1/4 SEC. 13
3 1/2" BRASS CAP
BLM

LEGEND

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

WELL **KERR 28N-12HZ** TO BE LOCATED 576' FSL AND 2026' FWL



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.

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

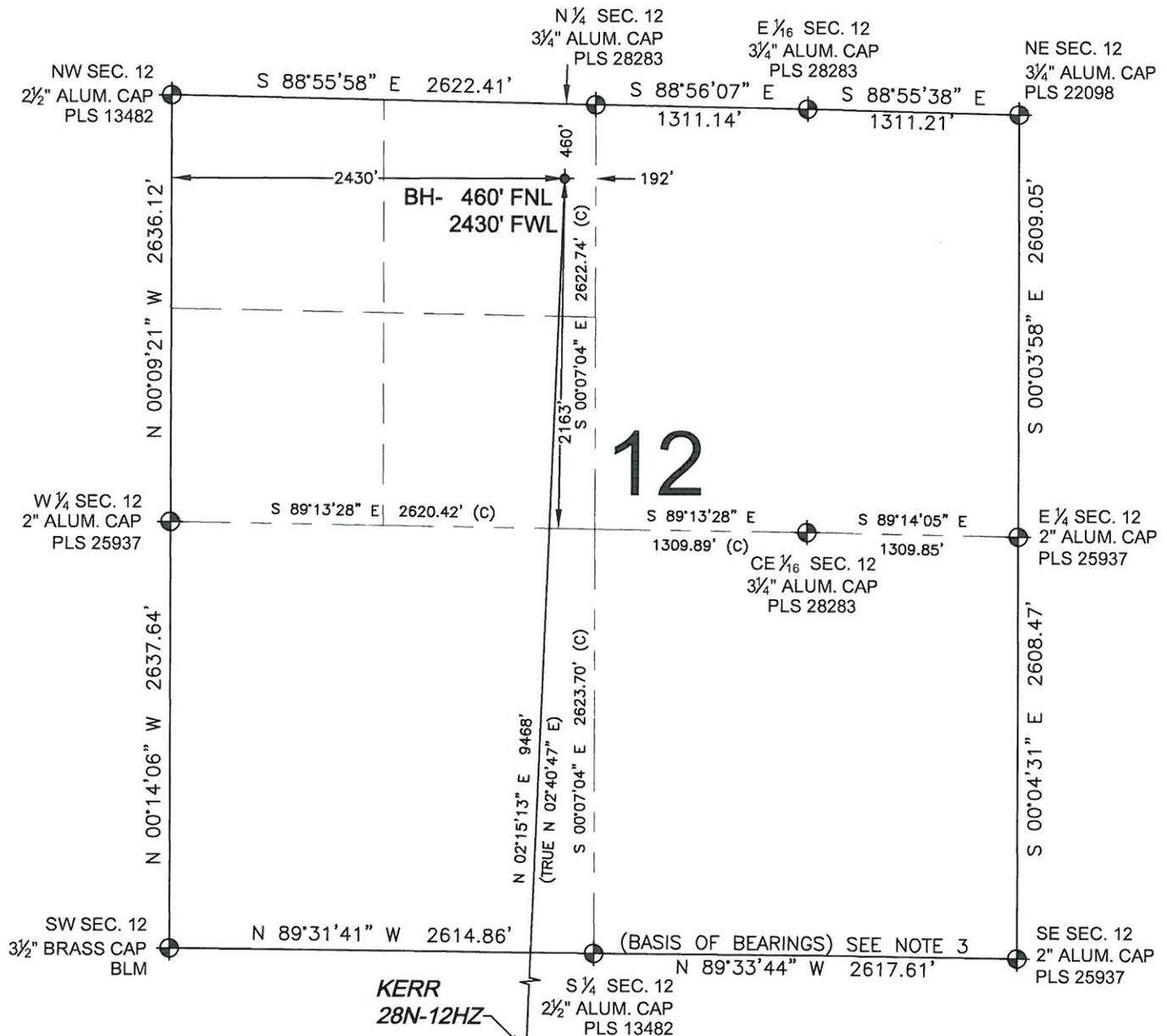
SHEET 1 OF 2

| | | |
|--|---------------------------|---|
| 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: 05-10-13 | 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 28N-12HZ

SECTION 12, TOWNSHIP 2 NORTH, RANGE 67 WEST, 6TH P.M.



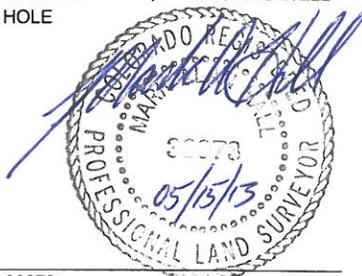
12

NOTES:

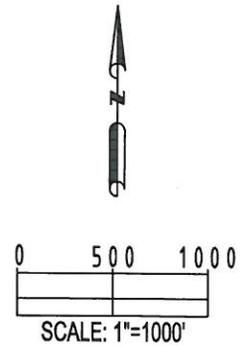
1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING 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
- ⬤ = 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 2

| | | |
|--|---------------------------|---|
| 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: 05-10-13 | 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.