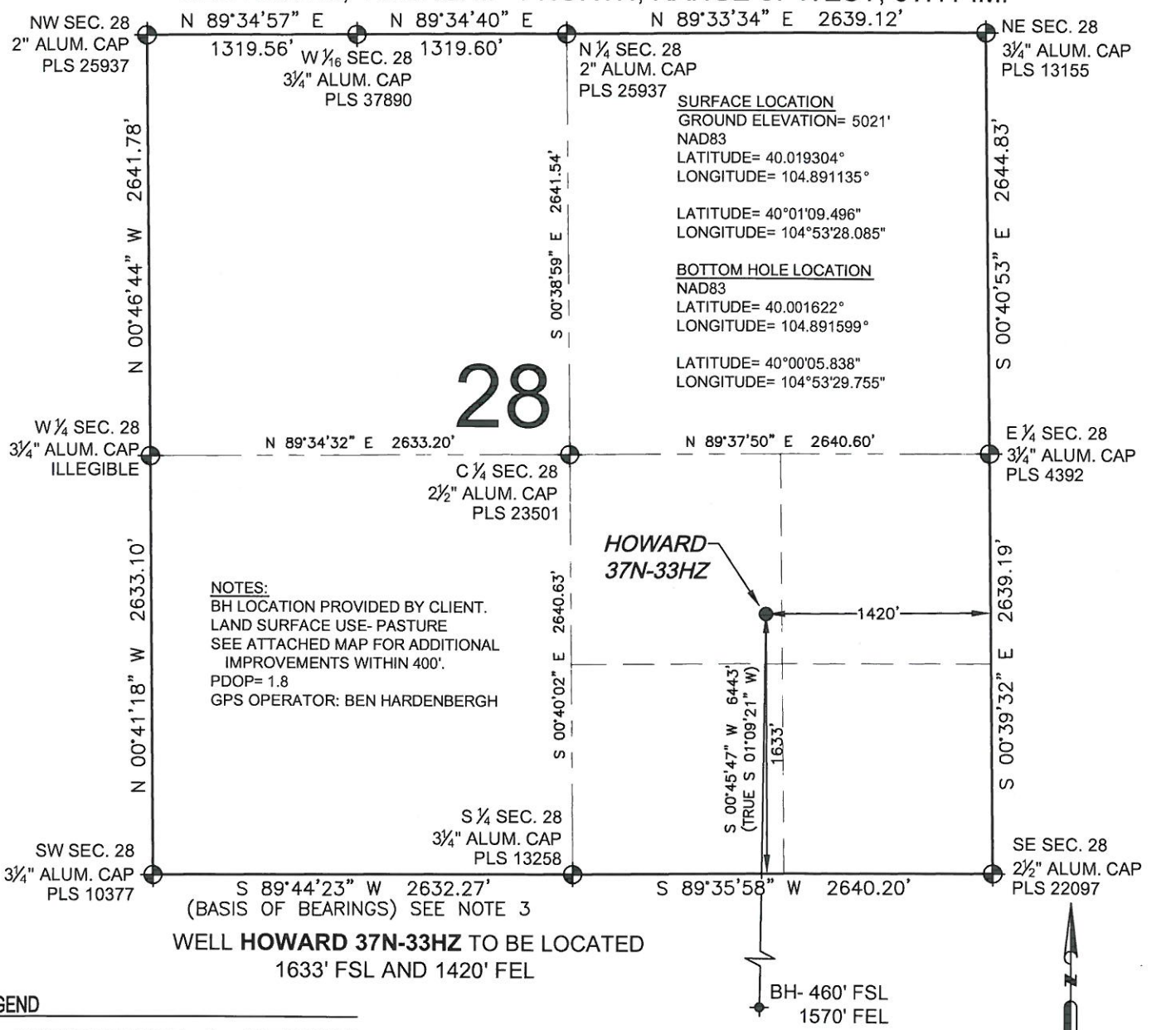
WELL LOCATION CERTIFICATE: HOWARD 37N-33HZ

SECTION 28, TOWNSHIP 1 NORTH, RANGE 67 WEST, 6TH P.M.



WELL **HOWARD 37N-33HZ** TO BE LOCATED
1633' FSL AND 1420' FEL

LEGEND

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

0 500 1000
SCALE: 1"=1000'

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, BRADLEY L. LAMAN, 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.

COLORADO LICENSED
BRADLEY LANCE LAMAN
7/3/13
38345
PROFESSIONAL LAND SURVEYOR

BRADLEY L. LAMAN, PLS 38345
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

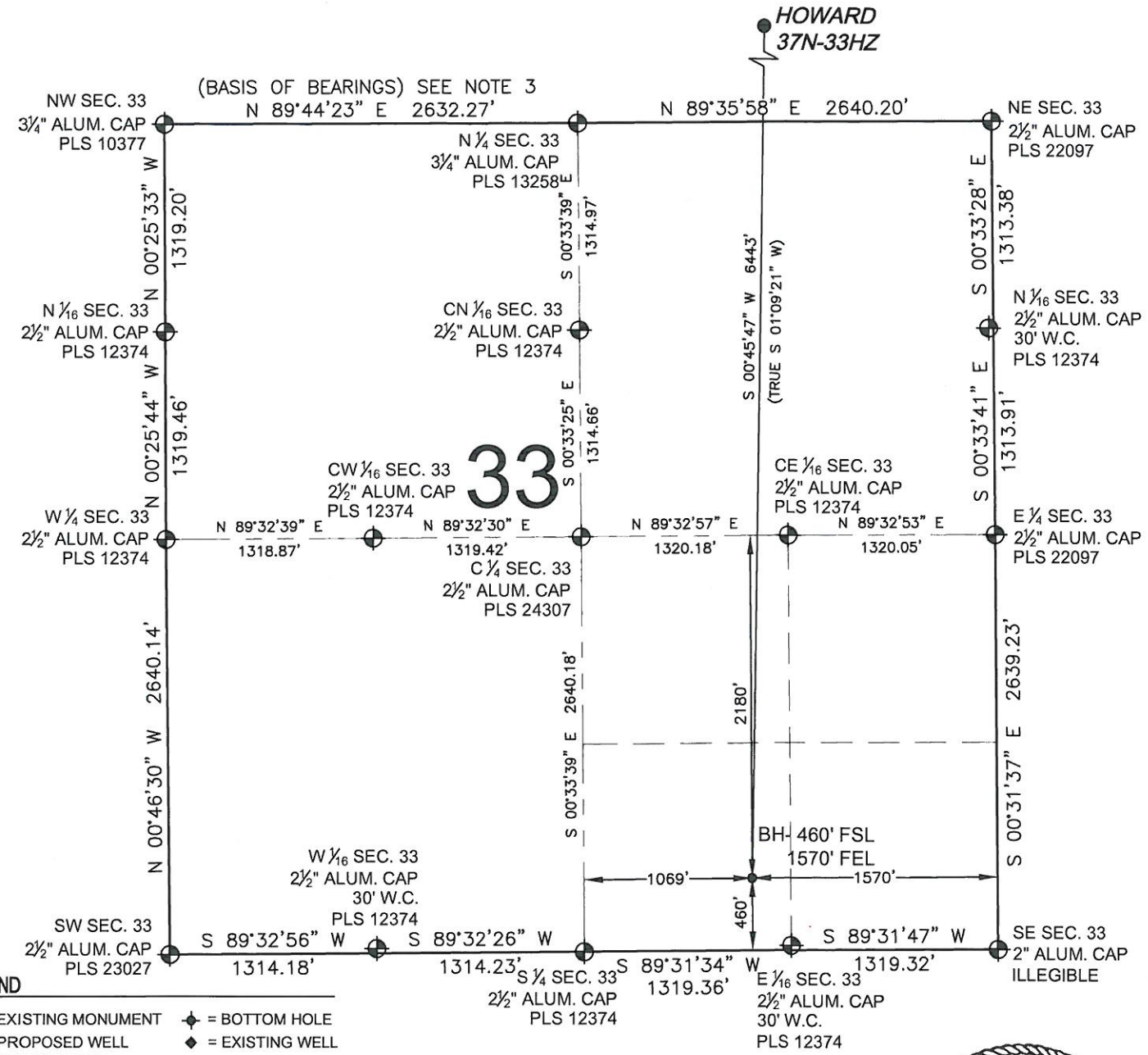
SHEET 1 OF 2

PREPARED BY:	FIELD DATE: 05-06-13	SURFACE LOCATION:
PFS Inc. Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	DRAWING DATE: 06-28-13	NW 1/4 SE 1/4, SEC. 28, T1N, R67W, 6TH P.M.
	BY: SMF / CHECKED: CLM	WELD COUNTY, COLORADO

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: HOWARD 37N-33HZ

SECTION 33, TOWNSHIP 1 NORTH, RANGE 67 WEST, 6TH P.M.



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N

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SCALE: 1"=1000'

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SHEET 2 OF 2

PREPARED BY:	FIELD DATE: 05-06-13	SURFACE LOCATION:
PFS Petroleum Field Services, LLC 1601 W. 13th Ave. Denver, CO 80204	DRAWING DATE: 06-28-13	NW 1/4 SE 1/4, SEC. 28, T1N, R67W, 6TH P.M.
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