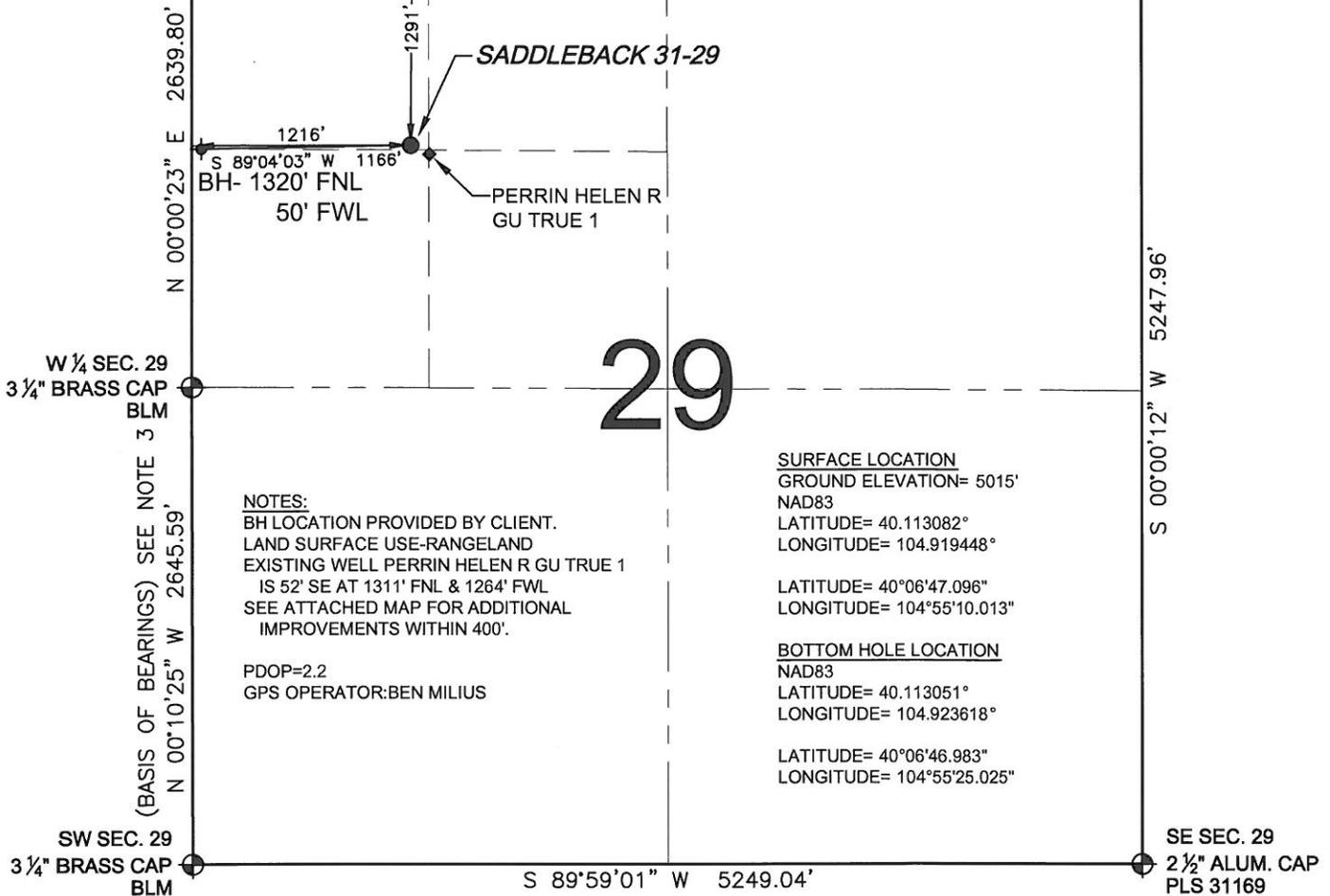


WELL LOCATION CERTIFICATE

NW SEC. 29
2 1/2" ALUM. CAP
PLS 24305

N 1/4 SEC. 29
3 1/2" BRASS CAP
ILLEGIBLE

NE SEC. 29
2 1/2" ALUM. CAP
PLS 24305



NOTES:
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-RANGELAND
EXISTING WELL PERRIN HELEN R GU TRUE 1
IS 52' SE AT 1311' FNL & 1264' FWL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.

PDOP=2.2
GPS OPERATOR: BEN MILIUS

SURFACE LOCATION
GROUND ELEVATION= 5015'
NAD83
LATITUDE= 40.113082°
LONGITUDE= 104.919448°

LATITUDE= 40°06'47.096"
LONGITUDE= 104°55'10.013"

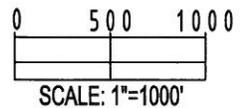
BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.113051°
LONGITUDE= 104.923618°

LATITUDE= 40°06'46.983"
LONGITUDE= 104°55'25.025"

WELL SADDLEBACK 31-29 TO BE LOCATED 1291' FNL AND 1216' FWL

LEGEND

- ⊙ = EXISTING MONUMENT
- ⊕ = PROPOSED WELL
- ⊕ = BOTTOM HOLE
- ⊕ = EXISTING WELL
- BH = 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 THE MONUMENTS SHOWN HEREON.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, STEVEN D. PARKER, 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.



STEVEN D. PARKER, PLS 38053
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

PREPARED BY:  Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 02-24-11	SURFACE LOCATION: NW 1/4 NW 1/4, SEC. 29, T2N, R67W
	DRAWING DATE: 03-02-11	BY: 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.