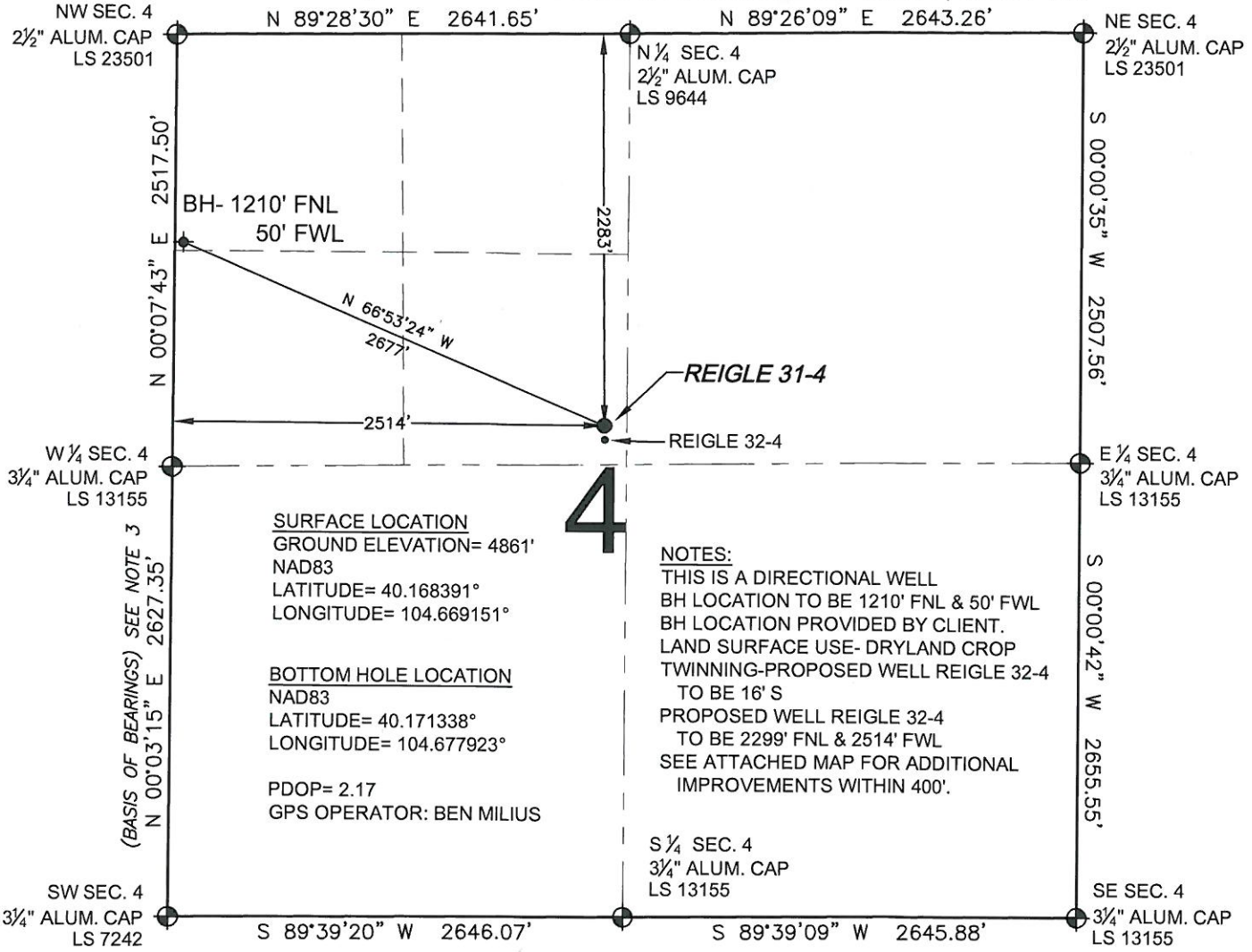
WELL LOCATION CERTIFICATE: REIGLE 31-4

SECTION 4, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



SURFACE LOCATION
GROUND ELEVATION= 4861'
NAD83
LATITUDE= 40.168391°
LONGITUDE= 104.669151°

BOTTOM HOLE LOCATION
NAD83
LATITUDE= 40.171338°
LONGITUDE= 104.677923°

PDOP= 2.17
GPS OPERATOR: BEN MILIUS

NOTES:
THIS IS A DIRECTIONAL WELL
BH LOCATION TO BE 1210' FNL & 50' FWL
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE- DRYLAND CROP
TWINNING-PROPOSED WELL REIGLE 32-4
TO BE 16' S
PROPOSED WELL REIGLE 32-4
TO BE 2299' FNL & 2514' FWL
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.

WELL **REIGLE 31-4** TO BE LOCATED 2283' FNL AND 2514' FWL, SECTION 4, T2N, R65W OF THE 6th P.M.

LEGEND

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

0 500 1000
SCALE: 1"=1000'

N

NOTES:
1. THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. 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
3. THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
4. 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 **REIGLE 31-4**. 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
JERRY F. HARCEK JR.
34997
07-20-10
PROFESSIONAL LAND SURVEYOR

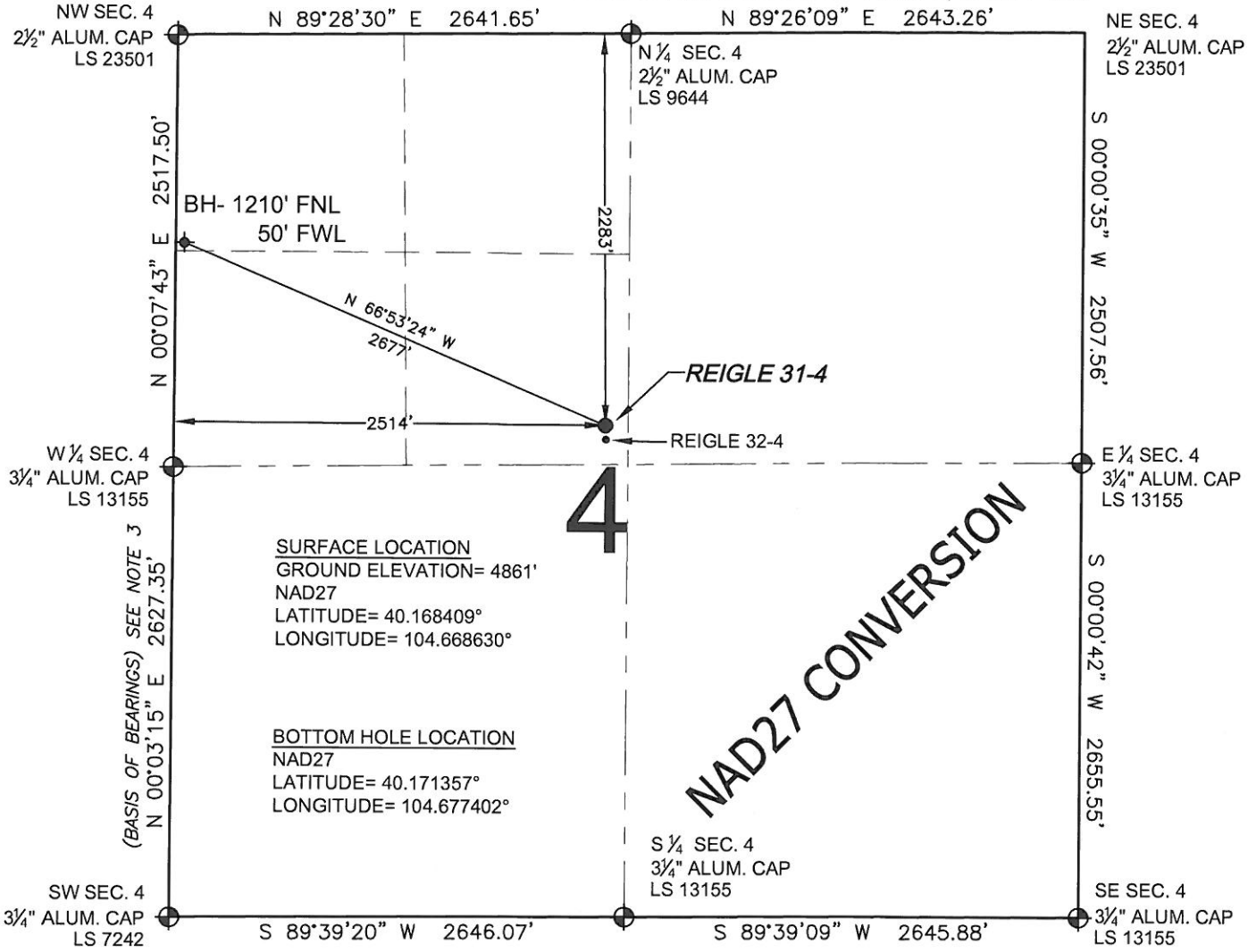
JERRY F. HARCEK JR., PLS 34997
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC

PREPARED BY:	FIELD DATE:	WELL NAME:
PFS Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	06-21-10	REIGLE 31-4
	DRAWING DATE: 07-16-10	SURFACE LOCATION: WELD COUNTY, COLORADO
	BY: TJN	SE 1/4 NW 1/4, SEC. 4, 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

SECTION 4, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



WELL **REIGLE 31-4** TO BE LOCATED 2283' FNL AND 2514' FWL, SECTION 4, T2N, R65W OF THE 6th P.M.

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LEGEND

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

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

0 500 1000

SCALE: 1"=1000'

PREPARED BY:	FIELD DATE:	WELL NAME:
PFS Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	06-21-10	REIGLE 31-4
	DRAWING DATE: 07-16-10	SURFACE LOCATION: WELD COUNTY, COLORADO
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