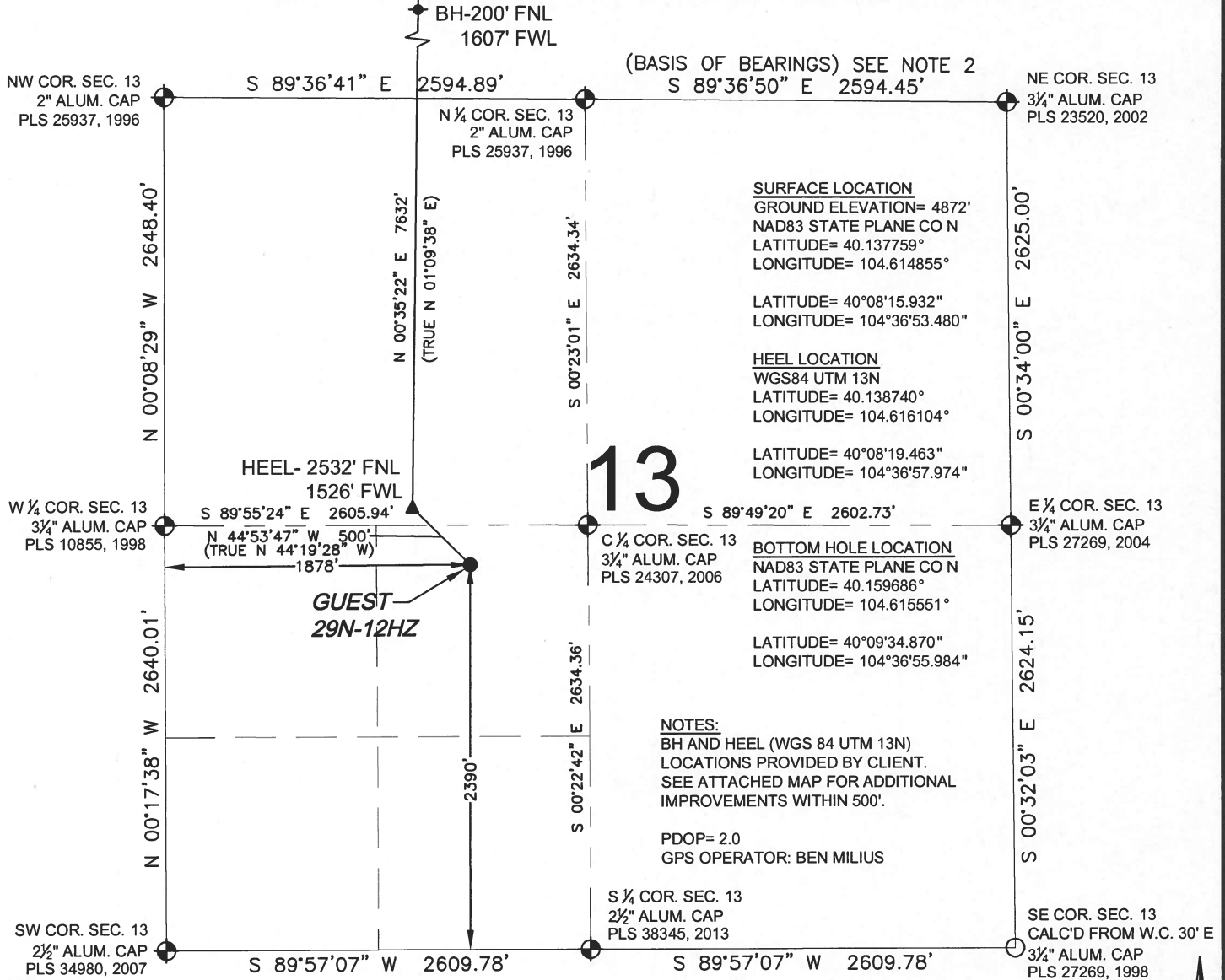


WELL LOCATION CERTIFICATE: GUEST 29N-12HZ

SECTION 13, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



13

SURFACE LOCATION
 GROUND ELEVATION= 4872'
 NAD83 STATE PLANE CO N
 LATITUDE= 40.137759°
 LONGITUDE= 104.614855°

HEEL LOCATION
 WGS84 UTM 13N
 LATITUDE= 40.138740°
 LONGITUDE= 104.616104°

LATITUDE= 40°08'19.463"
 LONGITUDE= 104°36'57.974"

BOTTOM HOLE LOCATION
 NAD83 STATE PLANE CO N
 LATITUDE= 40.159686°
 LONGITUDE= 104.615551°

LATITUDE= 40°09'34.870"
 LONGITUDE= 104°36'55.984"

NOTES:
 BH AND HEEL (WGS 84 UTM 13N)
 LOCATIONS PROVIDED BY CLIENT.
 SEE ATTACHED MAP FOR ADDITIONAL
 IMPROVEMENTS WITHIN 500'.

PDOP= 2.0
 GPS OPERATOR: BEN MILIUS

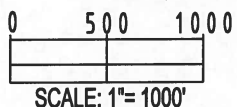
S 1/4 COR. SEC. 13
 2 1/2" ALUM. CAP
 PLS 38345, 2013

SE COR. SEC. 13
 CALC'D FROM W.C. 30' E
 3 1/4" ALUM. CAP
 PLS 27269, 1998

LEGEND

- = EXISTING MONUMENT
- = PROPOSED WELL
- BH = BOTTOM HOLE
- ◆ = BOTTOM HOLE
- ▲ = HEEL LOCATION
- = CALCULATED POSITION

WELL GUEST 29N-12HZ TO BE LOCATED
 2390' FSL AND 1878' FWL



- NOTES:**
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
 - BEARINGS ARE BASED ON THE ASSUMPTION THAT THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 13, BEARS S89°36'50"E BETWEEN THE MONUMENTS DESCRIBED HEREON.
 - GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES. TO GET GROUND DISTANCES MULTIPLY THE SHOWN DISTANCE BY 1.000272228.
 - ALL LINES SHOWN THAT ARE WITHOUT DIMENSION SHOULD BE CONSIDERED SCALED AND ONLY REPRESENT A GRAPHICAL DEPICTION OF THE APPROXIMATE LOCATION OF SAID LINE.
 - ORIGINAL SIGNING DATE OF OCTOBER 18, 2014. ORIGINAL WELL STAKING COMPLETED ON OCTOBER 3, 2014. REV. JUNE 15, 2015 FOR BHL & HEEL REVISION. SHEET 1 OF 2

I, JACOB S. FRISCH, 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.

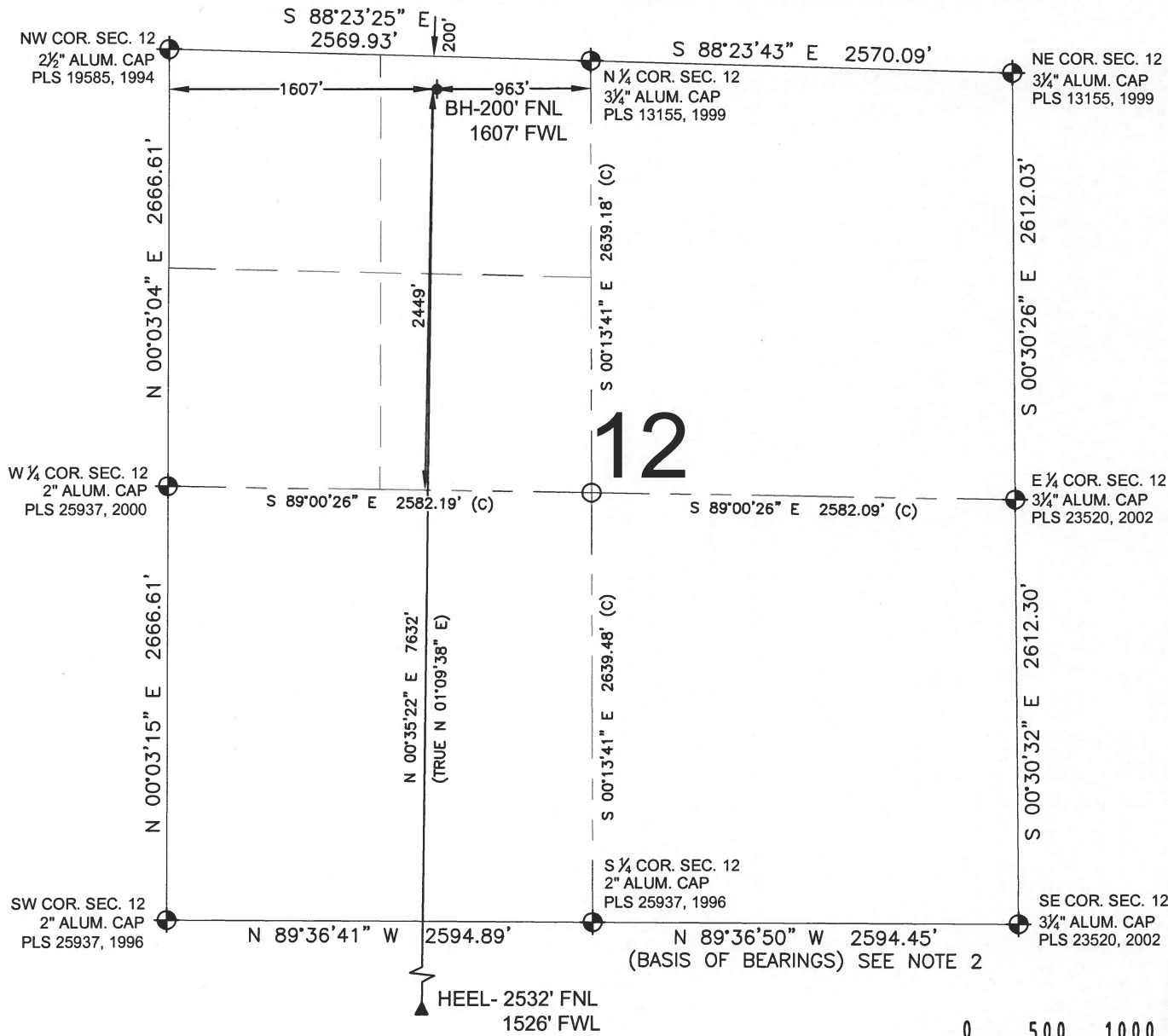
JACOB S. FRISCH, PLS 38145, 38149
 DATE: 06-16-15
 JOB NO: B14.APC.050
 FOR AND ON BEHALF OF J.S.F.S., LLC

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.

PREPARED BY: Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 01-08-15	SURFACE LOCATION:
	DRAWING DATE: 06-15-15	NE 1/4 SW 1/4, SEC. 13, T2N, R65W, 6TH P.M.
	BY: KAD	CHECKED: MLP
	WELD COUNTY, COLORADO	

WELL LOCATION CERTIFICATE: GUEST 29N-12HZ

SECTION 12, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.

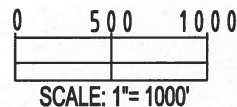


NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS ARE BASED ON THE ASSUMPTION THAT THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 13, BEARS S89°36'50"E BETWEEN THE MONUMENTS DESCRIBED HEREON.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES. TO GET GROUND DISTANCES MULTIPLY THE SHOWN DISTANCE BY 1.000272228.
4. ALL LINES SHOWN THAT ARE WITHOUT DIMENSION SHOULD BE CONSIDERED SCALED AND ONLY REPRESENT A GRAPHICAL DEPICTION OF THE APPROXIMATE LOCATION OF SAID LINE.
5. ORIGINAL SIGNING DATE OF OCTOBER 18, 2014. ORIGINAL WELL STAKING COMPLETED ON OCTOBER 3, 2014. REV. JUNE 15, 2015 FOR BHL & HEEL REVISION.

LEGEND

- ⊙ = EXISTING MONUMENT
- = PROPOSED WELL
- BH = BOTTOM HOLE
- ◆ = BOTTOM HOLE
- ▲ = HEEL LOCATION
- = CALCULATED POSITION



SHEET 2 OF 2

PREPARED BY: PFS Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 01-08-15 DRAWING DATE: 06-15-15 BY: KAD CHECKED: MLP	SURFACE LOCATION: NE 1/4 SW 1/4, SEC. 13, T2N, R65W, 6TH P.M. WELD COUNTY, COLORADO
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JACOB S. FRISCH, PLS 38149
 DATE: 06-16-15
 JOB NO: B14.APC.0508
 FOR AND ON BEHALF OF PFS, LLC

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.