

# WELL LOCATION CERTIFICATE: GUEST 3C-25HZ

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

NW COR. SEC. 13  
2" ALUM. CAP  
PLS 25937, 1996

S 89°36'41" E 2594.89'

N ¼ COR. SEC. 13  
2" ALUM. CAP  
PLS 25937, 1996

S 89°36'50" E 2594.45'

(BASIS OF BEARINGS) SEE NOTE 2

NE COR. SEC. 13  
3 ¼" ALUM. CAP  
PLS 23520, 2002

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

SURFACE LOCATION  
GROUND ELEVATION= 4872'  
NAD83 STATE PLANE CO N  
LATITUDE= 40.137758°  
LONGITUDE= 104.614533°

LATITUDE= 40°08'15.928"  
LONGITUDE= 104°36'52.320"

HEEL LOCATION  
WGS84 UTM 13N  
LATITUDE= 40.138217°  
LONGITUDE= 104.614677°

LATITUDE= 40°08'17.580"  
LONGITUDE= 104°36'52.837"

BOTTOM HOLE LOCATION  
NAD83 STATE PLANE CO N  
LATITUDE= 40.115828°  
LONGITUDE= 104.614725°

LATITUDE= 40°06'56.981"  
LONGITUDE= 104°36'53.010"

W ¼ COR. SEC. 13  
3 ¼" ALUM. CAP  
PLS 10855, 1998

N 14°03'44" W 172'  
(TRUE N 13°29'25" W)

S 89°55'24" E 2605.94'

HEEL- 2556' FSL

1926' FWL

**GUEST  
3C-25HZ**

S 00°28'40" E 8156'  
(TRUE S 00°05'40" W)

2390'

S 00°23'01" E 2634.34'

S 00°22'42" E 2634.36'

13

S 89°49'20" E 2602.73'

C ¼ COR. SEC. 13  
3 ¼" ALUM. CAP  
PLS 24307, 2006

E ¼ COR. SEC. 13  
3 ¼" ALUM. CAP  
PLS 27269, 2004

SW COR. SEC. 13  
2 ½" ALUM. CAP  
PLS 34980, 2007

S 89°57'07" W 2609.78'

S ¼ COR. SEC. 13  
2 ½" ALUM. CAP  
PLS 38345, 2013

S 89°57'07" W 2609.78'

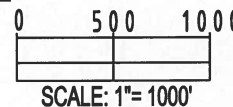
SE COR. SEC. 13  
CALC'D FROM W.C. 30° E  
3 ¼" ALUM. CAP  
PLS 27269, 1998

BH-333' FNL  
1964' FWL

## LEGEND

- = EXISTING MONUMENT    ♦ = BOTTOM HOLE  
● = PROPOSED WELL    ▲ = HEEL LOCATION  
BH = BOTTOM HOLE    ○ = CALCULATED POSITION

WELL GUEST 3C-25HZ TO BE LOCATED 2390' FSL AND 1968' FWL

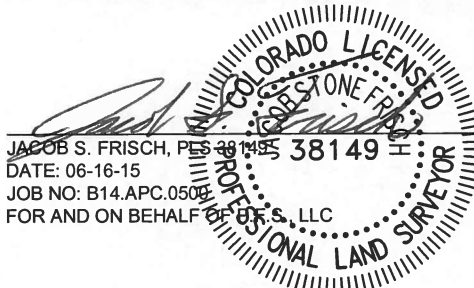


## NOTES:

- 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 3

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 38149  
DATE: 06-16-15  
JOB NO: B14.APC.0506  
FOR AND ON BEHALF OF KES, LLC



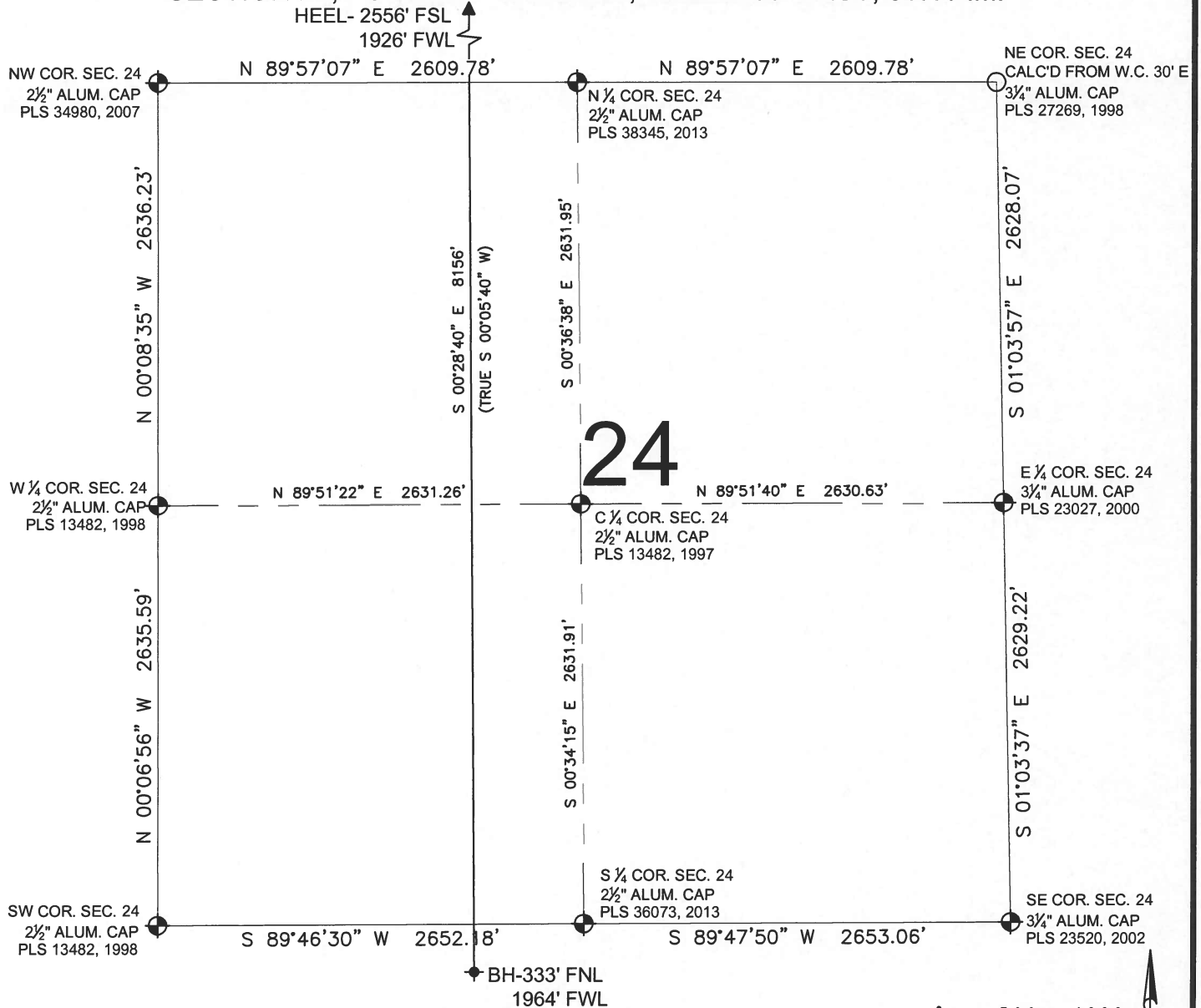
PREPARED BY:  
**PFS**  
Petroleum Field Services, LLC  
7535 Hilltop Circle  
Denver, CO 80221

FIELD DATE: 01-08-15	SURFACE LOCATION: NE 1/4 SW 1/4, SEC. 13, T2N, R65W, 6TH P.M.
DRAWING DATE: 06-15-15	WELD COUNTY, COLORADO
BY: KAD	CHECKED: MLP

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: GUEST 3C-25HZ

SECTION 24, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



## LEGEND

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

0 500 1000

SCALE: 1"= 1000'

## 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 2 OF 3

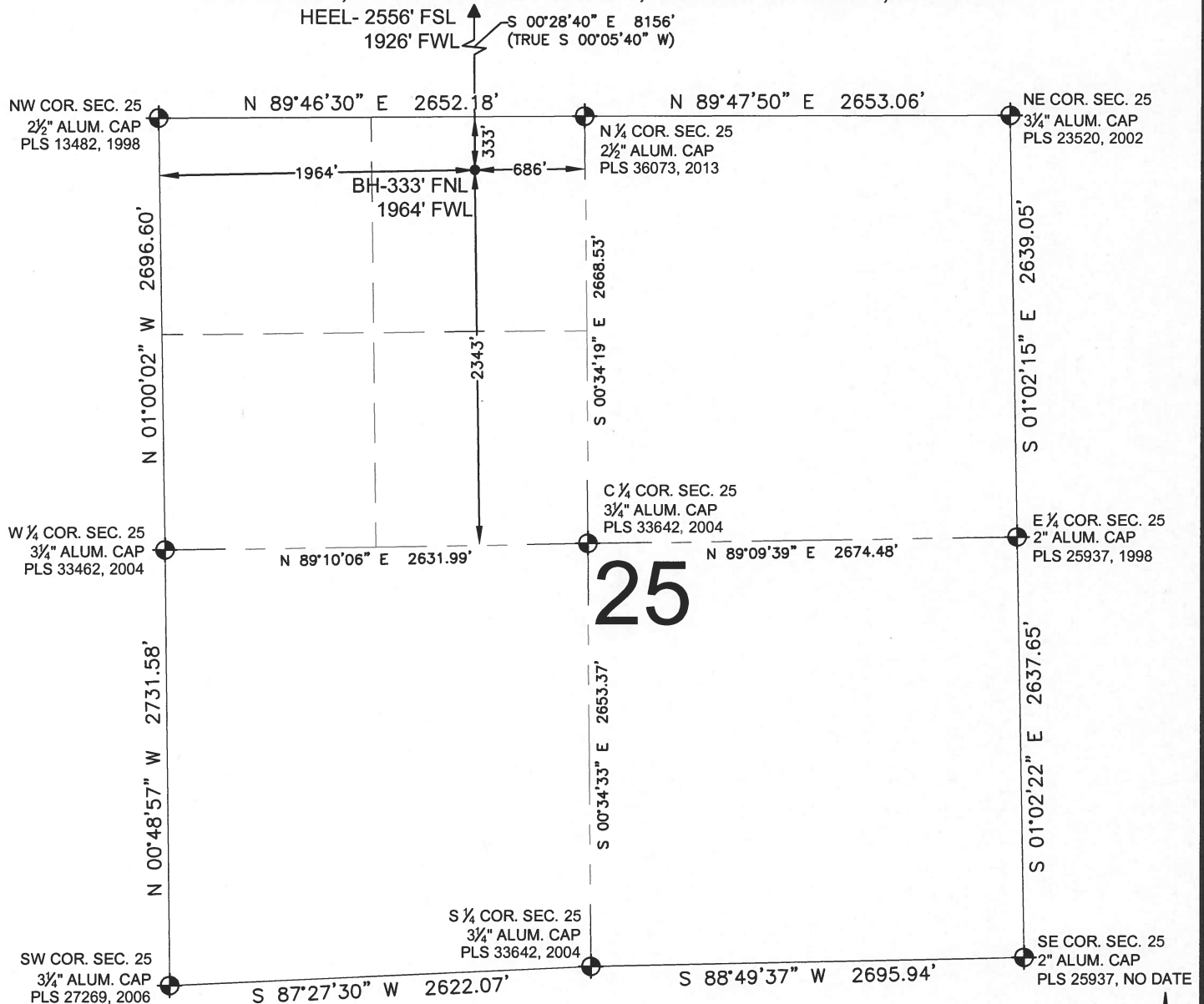
PREPARED BY:	FIELD DATE:	SURFACE LOCATION:
<b>PFS</b> Petroleum Field Services, LLC 7536 Hilltop Circle Denver, CO 80221	01-08-15	NE 1/4 SW 1/4,
	DRAWING DATE:	SEC. 13, T2N, R65W, 6TH P.M.
	06-15-15	
BY:	CHECKED:	WELD COUNTY, COLORADO
KAD	MLP	

JACOB S. FRISCH, PLS 38149  
DATE: 06-16-15  
JOB NO: B14.APC.0500  
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.

# WELL LOCATION CERTIFICATE: GUEST 3C-25HZ

SECTION 25, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.

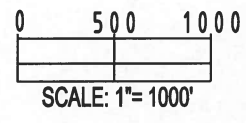


## NOTES:

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 3 OF 3



FIELD DATE:	01-08-15	SURFACE LOCATION:	NE 1/4 SW 1/4,
DRAWING DATE:	06-15-15		SEC. 13, T2N, R65W, 6TH P.M.
BY:	KAD	CHECKED:	MLP
			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.