



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18<sup>th</sup> Street  
Denver, CO 80202  
720-929-6000

November 19, 2015

Matt Lepore  
Director, Colorado Oil and Gas Conservation Commission  
Department of Natural Resources  
The Chancery Building  
1120 Lincoln Street, Suite 801  
Denver, CO 80203

Re: **30 Day Certification Letter - 318A.e**  
SWARTZ 2C-25HZ (Doc # 400939926)  
Township 2 North, Range 65 West  
Section 13: SWSE  
Unit Acreage: 240  
Unit Spacing: 2N-65W-13: SWSE; 24: W2E2; 25: NWNE  
Weld County, Colorado

Dear Director Lepore:

Kerr McGee Oil and Gas Onshore LP ("KMG") hereby certifies that KMG owns one hundred percent (100%) of the leasehold interest in the mineral rights in the proposed spacing unit. KMG hereby respectfully requests approval of this boundary well.

If you have any questions or issues regarding this permit, please contact Cheryl Light at (720) 929-6461.

Very truly yours,

**Kerr-McGee Oil and Gas Onshore LP**

A blue ink signature of Craig Richardson.

Craig Richardson  
Regulatory Analyst II

Enclosure

## WELL LOCATION CERTIFICATE: SWARTZ 2C-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

N 00°08'29" W 2648.40'

SURFACE LOCATION  
GROUND ELEVATION= 4877'  
NAD83 STATE PLANE CO N  
LATITUDE= 40.132086°  
LONGITUDE= 104.610472°

LATITUDE= 40°07'55.510"  
LONGITUDE= 104°36'37.700"

HEEL LOCATION  
NAD83 STATE PLANE CO N  
LATITUDE= 40.133234°  
LONGITUDE= 104.610275°

LATITUDE= 40°07'59.641"  
LONGITUDE= 104°36'36.990"

NOTES:  
BH AND HEEL  
LOCATIONS PROVIDED BY CLIENT.  
SEE ATTACHED MAP FOR ADDITIONAL  
IMPROVEMENTS WITHIN 500'.

PDOP= 1.5  
GPS OPERATOR: BEN HARDENBERGH

13

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

S 89°55'24" E 2605.94'

BOTTOM HOLE LOCATION  
NAD83 STATE PLANE CO N  
LATITUDE= 40.115731°  
LONGITUDE= 104.610368°

LATITUDE= 40°06'56.633"  
LONGITUDE= 104°36'37.316"

S 89°49'20" E 2602.73'

C ¼ COR. SEC. 13  
3 ¼" ALUM. CAP  
PLS 24307, 2006E ¼ COR. SEC. 13  
3 ¼" ALUM. CAP  
PLS 27269, 2004

N 00°17'38" W 2640.01'

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, 2013BH-361' FNL  
2123' FELS 00°20'28" E 6375.88'  
(TRUE S 00°14'02" W)HEEL- 753' FSL  
2050' FELN 06°56'41" E 421.65'  
(TRUE N 07°31'10" E)

SWARTZ 2C-25HZ

2105'

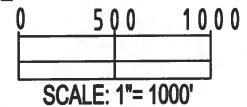
S 00°32'03" E 2624.15'

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

## LEGEND

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

WELL SWARTZ 2C-25HZ TO BE LOCATED 334' FSL AND 2105' FEL



## 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 WELL STAKING COMPLETED ON JANUARY 5, 2015. SECTION MONUMENTS VERIFIED 5/2013.

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: 10-26-15  
JOB NO: B14.APC.0568  
FOR AND ON BEHALF OF KERR-MCGEE OIL & GAS ONSHORE LP, LLC

SHEET 1 OF 3

PREPARED BY:

FIELD DATE:  
01-05-15DRAWING DATE:  
10-26-15BY: TJN  
CHECKED: KLA

SURFACE LOCATION:

SW 1/4 SE 1/4,

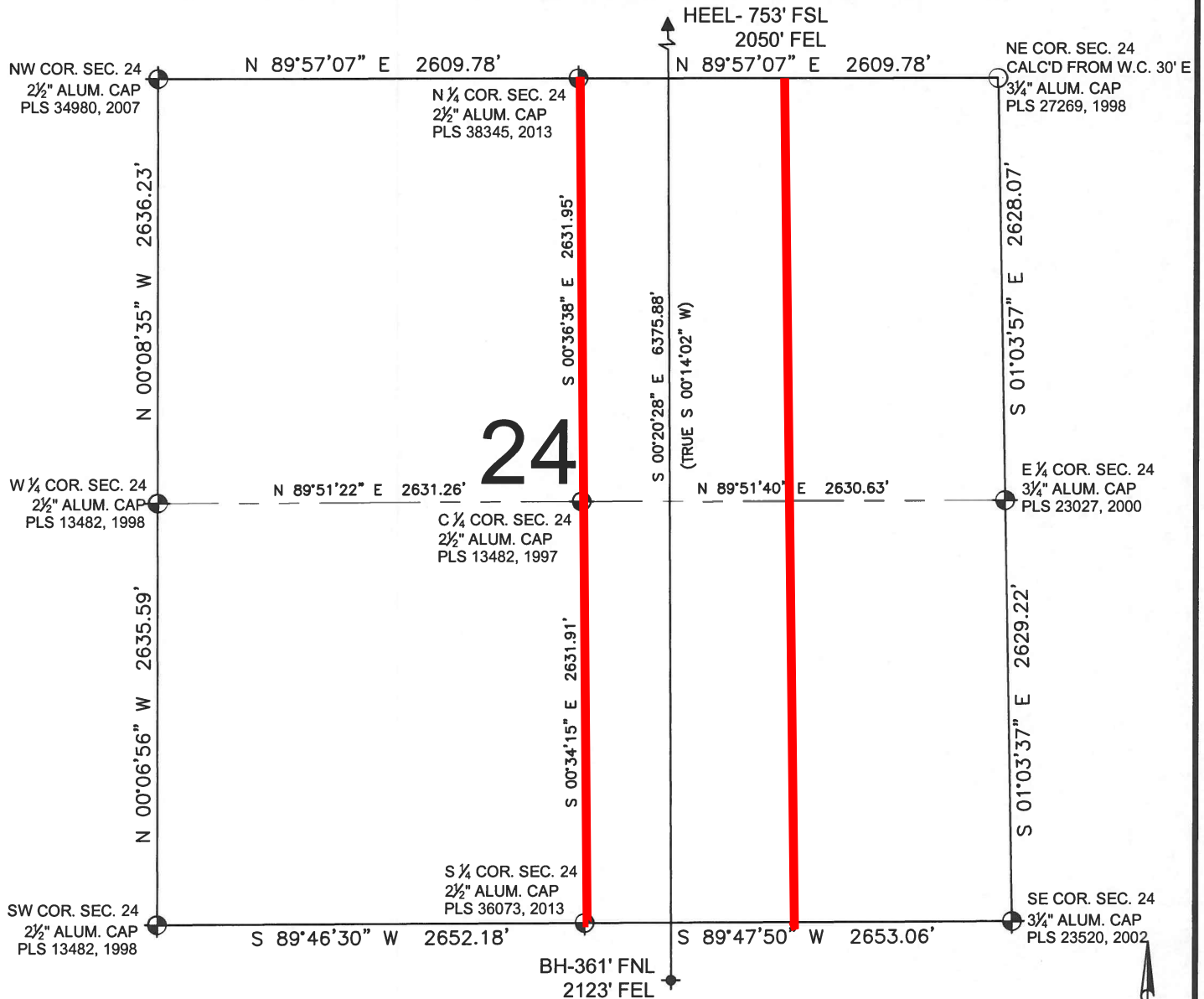
SEC. 13, T2N, R65W, 6TH P.M.

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: SWARTZ 2C-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:

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 WELL STAKING COMPLETED ON JANUARY 5, 2015. SECTION MONUMENTS VERIFIED 5/2013.

SHEET 2 OF 3

PREPARED BY:



FIELD DATE:  
01-05-15

DRAWING DATE:  
10-26-15

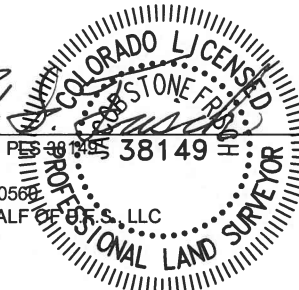
BY:  
TJN

CHECKED:  
KLA

SURFACE LOCATION:

SW 1/4 SE 1/4,  
SEC. 13, T2N, R65W, 6TH P.M.  
WELD COUNTY, COLORADO

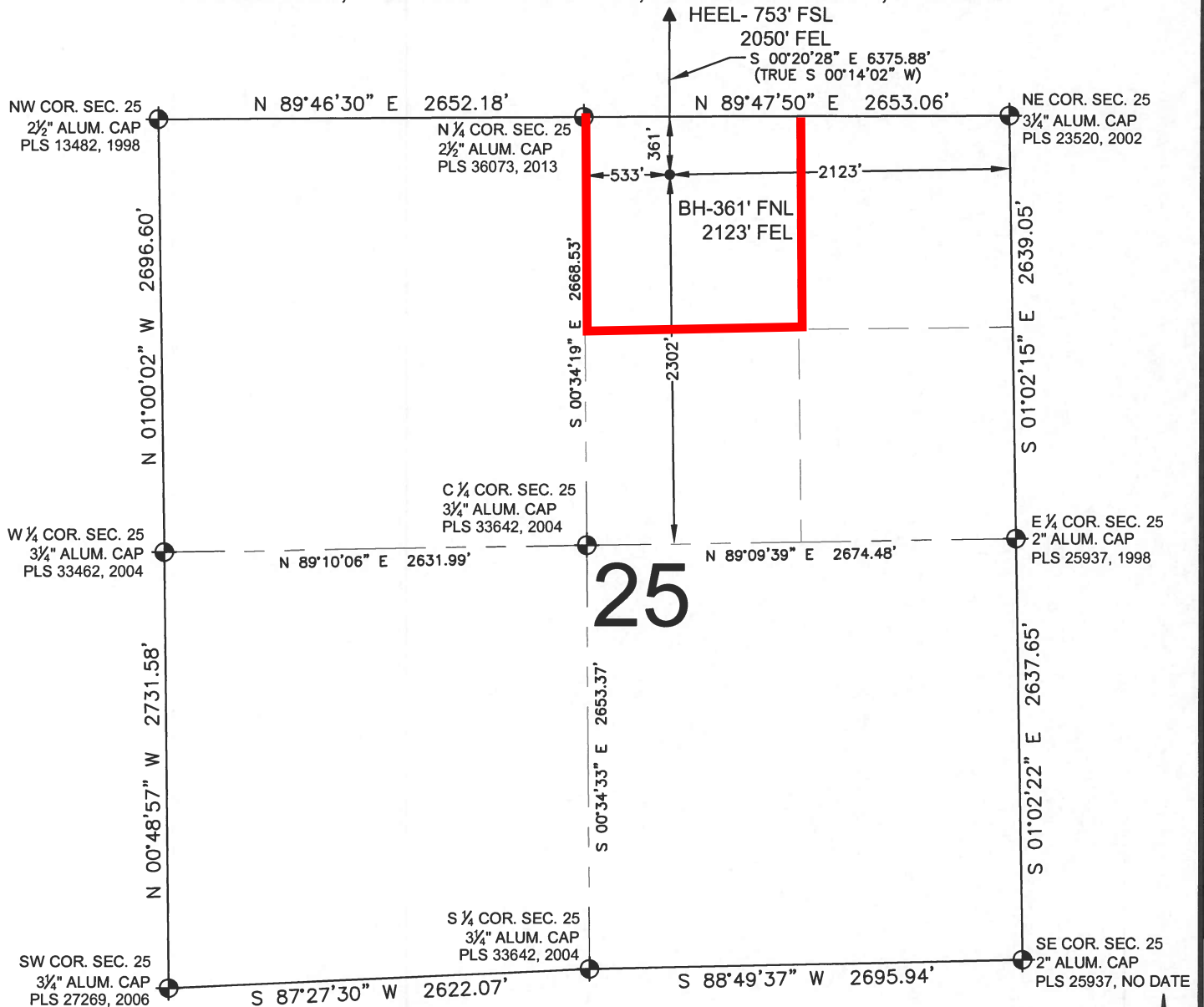
JACOB S. FRISCH, PLS 38149  
DATE: 10-26-15  
JOB NO: B14.APC.0568  
FOR AND ON BEHALF OF PFS, LLC



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: SWARTZ 2C-25HZ

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

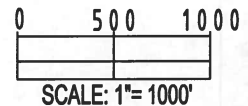


## NOTES:

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 WELL STAKING COMPLETED ON JANUARY 5, 2015. SECTION MONUMENTS VERIFIED 5/2013.

## LEGEND

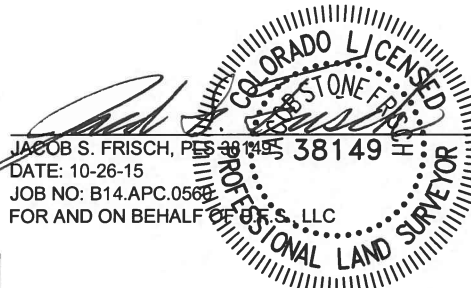
- = EXISTING MONUMENT
- ◆ = BOTTOM HOLE
- = PROPOSED WELL
- ▲ = HEEL LOCATION
- BH = BOTTOM HOLE
- = CALCULATED POSITION



SHEET 3 OF 3



FIELD DATE: 01-05-15	SURFACE LOCATION: SW 1/4 SE 1/4, SEC. 13, T2N, R65W, 6TH P.M.
DRAWING DATE: 10-26-15	WELD COUNTY, COLORADO
BY: TJN	CHECKED: KLA



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.