



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18th Street
Denver, CO 80202
720-929-6000

December 23, 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 1C-25HZ (Doc No. 400922747)
Township 2 North, Range 65 West
Section 13: SESE
Unit Acreage: 480 acres
Unit Spacing: 2N65W SEC 13: SESE
2N65W SEC 24: E2E2
2N65W SEC 25: NENE
2N64W SEC 18: SWSW
2N64W SEC 19: W2W2
2N64W SEC 30: NWNW
Weld County, Colorado

Dear Director Lepore:

Kerr-McGee Oil and Gas Onshore LP ("KMG") hereby certifies that a thirty (30) day notice has been given by certified mail to all mineral owners in the proposed wellbore spacing unit. We have not received any objections to such well location, proposed spacing unit, or additional producing formation. KMG hereby respectfully requests approval of this boundary well.

If you have any questions or issues regarding this permit, please contact our office.

Sincerely,

Kerr-McGee Oil and Gas Onshore LP

A blue ink signature of Craig Richardson, consisting of a stylized 'C' followed by a horizontal line.

Craig Richardson
Regulatory Analyst II

Enclosure

WELL LOCATION CERTIFICATE: SWARTZ 1C-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'

S 89°36'50" E 2594.45'

NE COR. SEC. 13
3/4" ALUM. CAP
PLS 23520, 2002

N 1/4 COR. SEC. 13
2" ALUM. CAP
PLS 25937, 1996

(BASIS OF BEARINGS) SEE NOTE 2

SURFACE LOCATION
GROUND ELEVATION= 4956'
NAD83 STATE PLANE CO N
LATITUDE= 40.131977°
LONGITUDE= 104.604688°

LATITUDE= 40°07'55.115"
LONGITUDE= 104°36'16.877"

HEEL LOCATION
NAD83 STATE PLANE CO N
LATITUDE= 40.133046°
LONGITUDE= 104.604295°

LATITUDE= 40°07'58.965"
LONGITUDE= 104°36'15.463"

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

PDOP= 1.5
GPS OPERATOR: BEN HARDENBERGH

W 1/4 COR. SEC. 13
3/4" ALUM. CAP
PLS 10855, 1998

S 89°55'24" E 2605.94'

S 89°49'20" E 2602.73'

E 1/4 COR. SEC. 13
3/4" ALUM. CAP
PLS 27269, 2004

BOTTOM HOLE LOCATION
NAD83 STATE PLANE CO N
LATITUDE= 40.115707°
LONGITUDE= 104.603906°

LATITUDE= 40°06'56.545"
LONGITUDE= 104°36'14.062"

C 1/4 COR. SEC. 13
3/4" ALUM. CAP
PLS 24307, 2006

SW COR. SEC. 13
2 1/2" ALUM. CAP
PLS 34980, 2007

S 89°57'07" W 2609.78'

S 89°57'07" W 2609.78'

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

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

S 01°33'59" E 6317.07'
(TRUE S 00°59'15" E)

BH-358' FNL
316' FEL

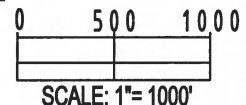
HEEL- 700' FSL
378' FEL
N 15°09'53" E 404.67'
(TRUE N 15°44'36" E)

SWARTZ 1C-25HZ

LEGEND

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

WELL SWARTZ 1C-25HZ TO BE LOCATED 310' FSL AND 487' 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: 08-05-15
JOB NO: B14.APC.0489
FOR AND ON BEHALF OF J.S.F.S. LLC



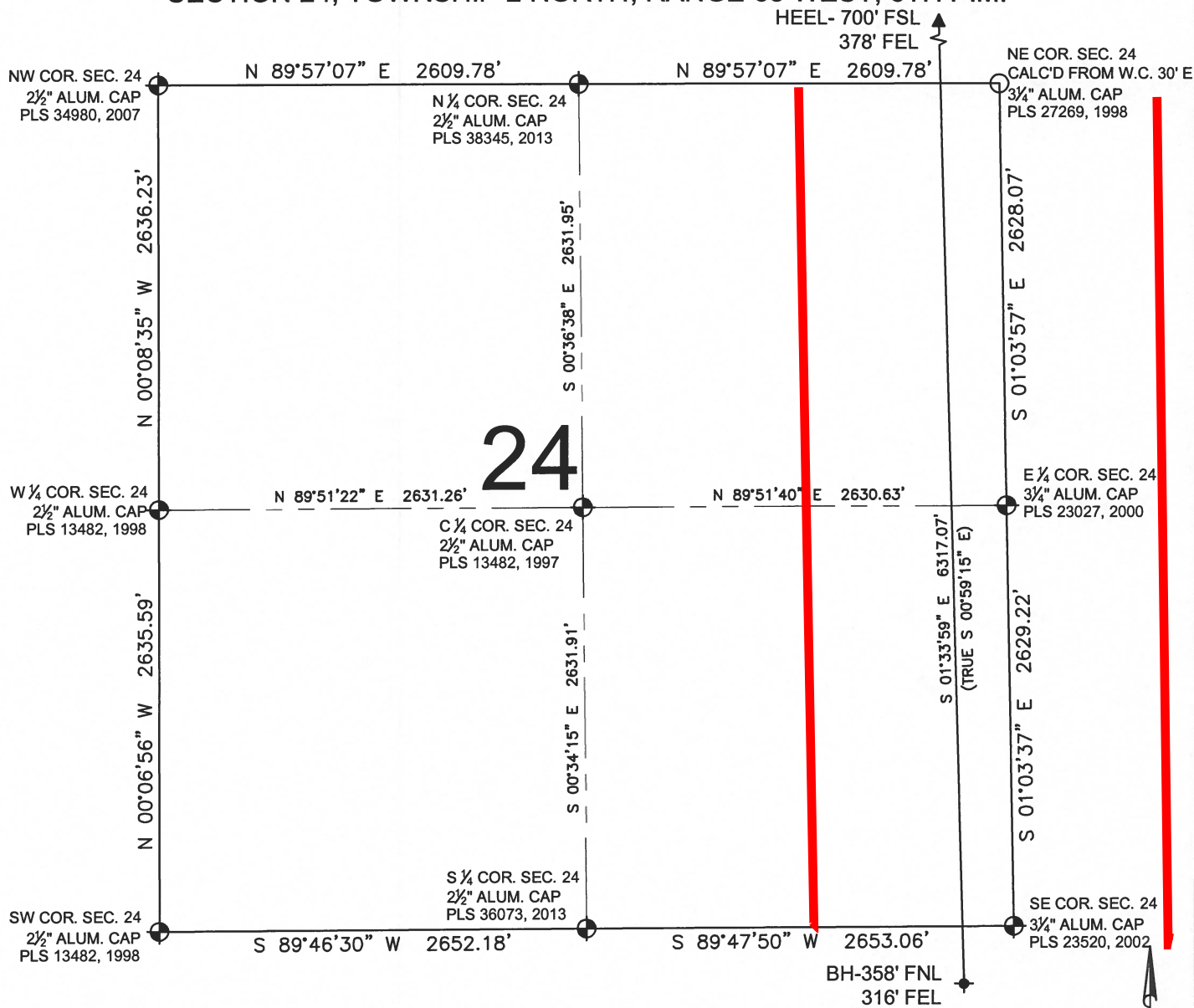
SHEET 1 OF 3

PREPARED BY:	FIELD DATE:	SURFACE LOCATION:
PFS Petroleum Field Services, LLC 7536 Hilltop Circle Denver, CO 80221	01-05-15	SE 1/4 SE 1/4,
	DRAWING DATE:	SEC. 13, T2N, R65W, 6TH P.M.
	08-04-15	
BY:	CHECKED:	WELD COUNTY, COLORADO
TJN	WDW	

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 1C-25HZ

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



LEGEND

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

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:

08-04-15

BY:

TJN

CHECKED:

WDW

SURFACE LOCATION:

SE 1/4 SE 1/4,

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

WELD COUNTY, COLORADO

JACOB S. FRISCH, PLS 38149

DATE: 08-05-15

JOB NO: B14.APC.0488

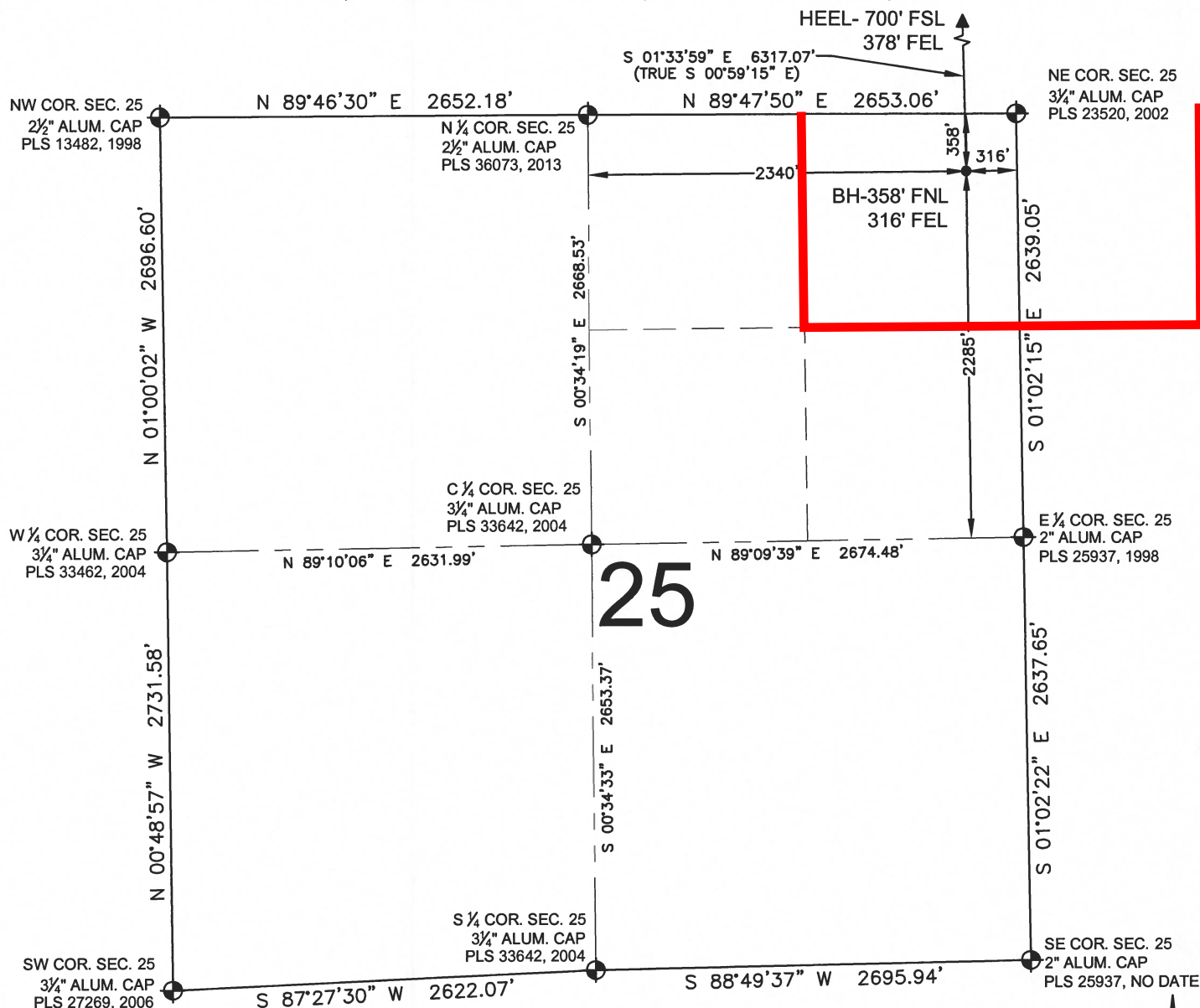
FOR AND ON BEHALF OF P.F.S., LLC

PROFESSIONAL LAND SURVEYOR

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WELL LOCATION CERTIFICATE: SWARTZ 1C-25HZ

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

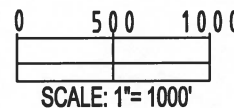


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5. ORIGINAL WELL STAKING COMPLETED ON JANUARY 5, 2015. SECTION MONUMENTS VERIFIED 5/2013.

LEGEND

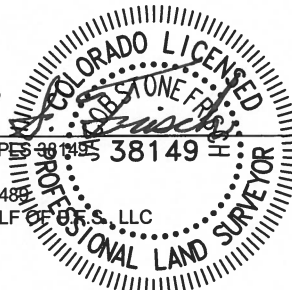
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- ▲ = HEEL LOCATION
- BH = BOTTOM HOLE
- = CALCULATED POSITION



SHEET 3 OF 3

PREPARED BY:	FIELD DATE:	SURFACE LOCATION:
PFS	01-05-15	SE 1/4 SE 1/4,
Petroleum Field Services, LLC	DRAWING DATE:	SEC. 13, T2N, R65W, 6TH P.M.
7536 Hilltop Circle	08-04-15	
Denver, CO 80221	BY:	CHECKED:
	TJN	WDW
		WELD COUNTY, COLORADO

JACOB S. FRISCH, PLS 38149
DATE: 08-05-15
JOB NO: B14.APC.0488
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.