



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

February 23, 2017

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 1N-25HZ (API # 05-123-42839)
Township 2 North, Range 65 West
Section 13: SE/4SE/4
Unit Acreage: 640
Unit Spacing: 02N-65W-Sec 13 S/2SE/4
02N-65W-Sec 24 E/2
02N-65W-Sec 25 NE/4; N/2SE/4

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 Cheryl Light at (720) 929-6461.

Very truly yours,

KERR-McGEE OIL AND GAS ONSHORE LP

A handwritten signature in blue ink that reads "Cheryl Light".

Cheryl Light
Senior Regulatory Analyst

SWARTZ 1N-25HZ WELL LOCATION CERTIFICATE

PROPOSED SPACING UNIT

S ¼ COR. SEC. 13
2" ALUM. CAP (BASIS OF BEARINGS) SEE NOTE 2
PLS 25937, 1996

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

NE COR. SEC. 13
¾" ALUM. CAP
PLS 23520, 2002

SURFACE LOCATION:
GROUND ELEVATION=4956'
NAD83 STATE PLANE CO N
LATITUDE:40.131977°
LONGITUDE:-104.604903°
LATITUDE=40° 07' 55.118"
LONGITUDE=-104° 36' 17.650"

NOTES:
BH AND HEEL LOCATIONS PROVIDED BY CLIENT.
LAND SURFACE USE-RANGELAND
EXISTING WELL SWARTZ 16-13 IS 361' NW AT 660' FSL & 660' FEL.
SEE ATTACHED MAP FOR ADDITIONAL IMPROVEMENTS WITHIN 500'

HEEL LOCATION:
NAD83 STATE PLANE CO N
LATITUDE:40.132919°
LONGITUDE:-104.606527°
LATITUDE=40° 07' 58.508"
LONGITUDE=-104° 36' 23.498"

PDOP=1.5
GPS OPERATOR: BEN HARDENBERGH

13

W ¼ COR. SEC. 13
¾" ALUM. CAP
PLS 10855, 1998

BOTTOM HOLE LOCATION:
NAD83 STATE PLANE CO N
LATITUDE:40.109663°
LONGITUDE:-104.606523°
LATITUDE=40° 06' 34.787"
LONGITUDE=-104° 36' 23.483"

C ¼ COR. SEC. 13
¾" ALUM. CAP
PLS 24307, 2006

E ¼ COR. SEC. 13
¾" ALUM. CAP
PLS 27269, 2004

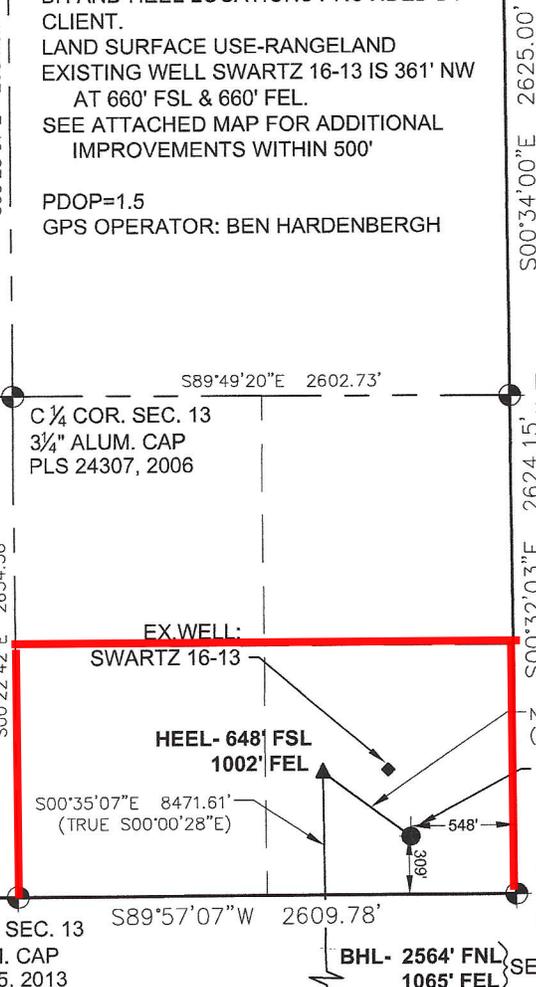
SW COR. SEC. 13
½" ALUM. CAP
PLS 34980, 2007

S 89°57'07"W 2609.78'

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

S 89°57'07"W 2609.78'

SE COR. SEC. 13
CALC'D FROM W.C. 30'E
¾" ALUM. CAP
PLS 27269, 1998



LEGEND

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

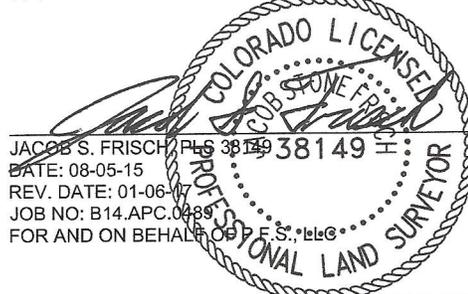
WELL SWARTZ 1N-25HZ TO BE LOCATED 309' FSL & 548' FEL

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.

- 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 SHOWN HEREON.
 3. GRID DISTANCES ARE SHOWN, AS GPS 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. ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
 5. CERTIFIED AUGUST 5, 2015 FOR WELLS STAKED ON JANUARY 5, 2015. REVISED JANUARY 6, 2017 FOR HEEL AND BHL CHANGES.

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.

JACOB S. FRISCH, PLS 38149
DATE: 08-05-15
REV. DATE: 01-06-17
JOB NO: B14.APC.0489
FOR AND ON BEHALF OF KERR-MCGEE OIL & GAS ONSHORE LP



PREPARED BY:



FIELD DATE:
01-05-15

DRAWING DATE:
01-05-17

BY:
MDC

CHECKED BY:
MLP

WELL NAME:

SWARTZ 1N-25HZ

SURFACE LOCATION:

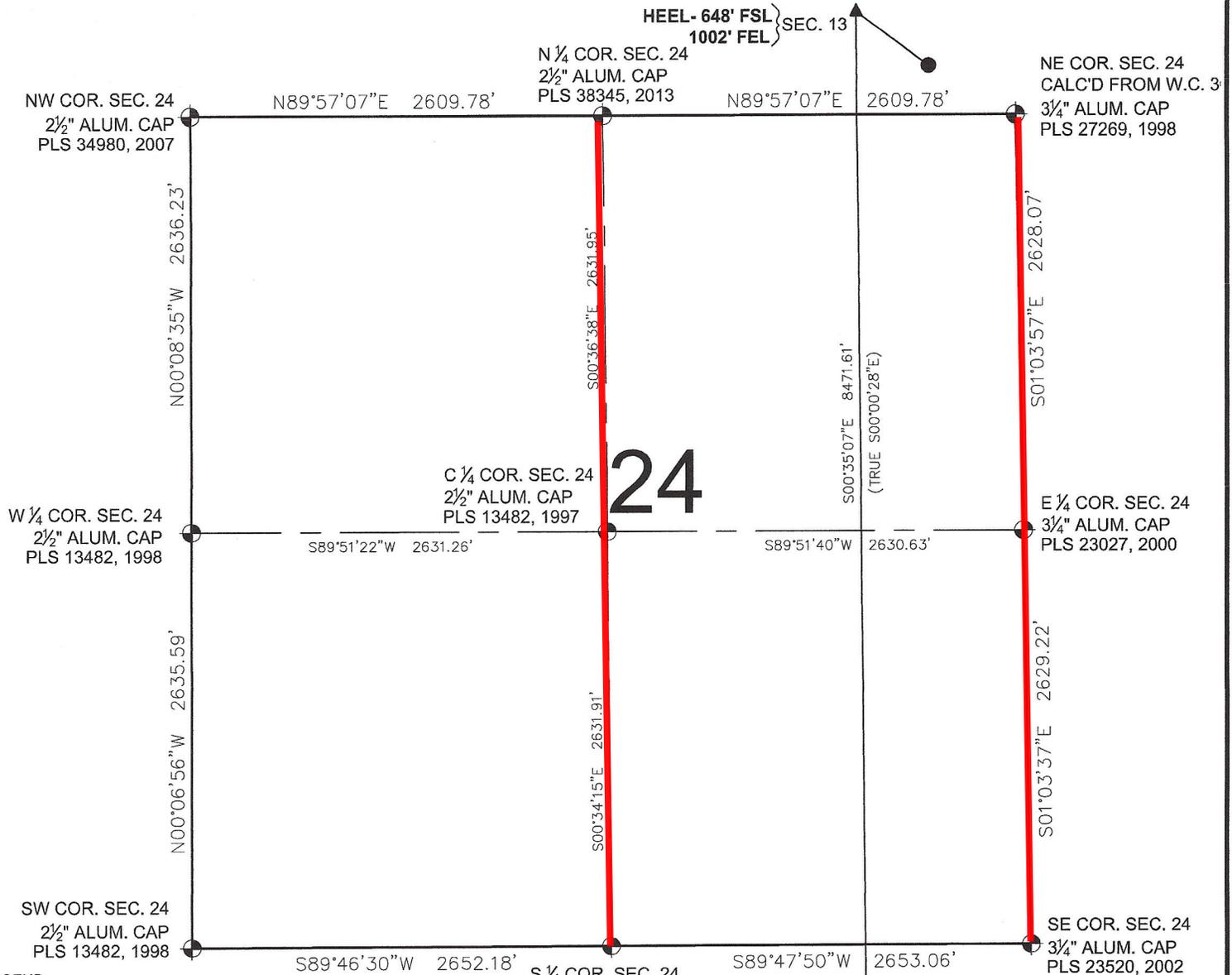
SE 1/4 SE 1/4 SEC. 13 T2N, R65W, 6TH P.M.
WELD COUNTY, COLORADO

PREPARED FOR:



SWARTZ 1N-25HZ WELL LOCATION CERTIFICATE

PROPOSED SPACING UNIT



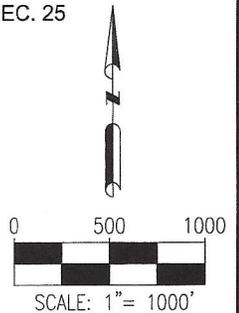
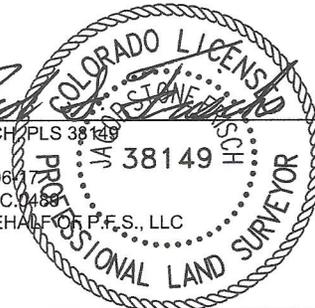
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JACOB S. FRISCH PLS 38149
DATE: 08-05-15
REV. DATE: 01-06-17
JOB NO: B14.APC.0488
FOR AND ON BEHALF OF P.F.S., LLC

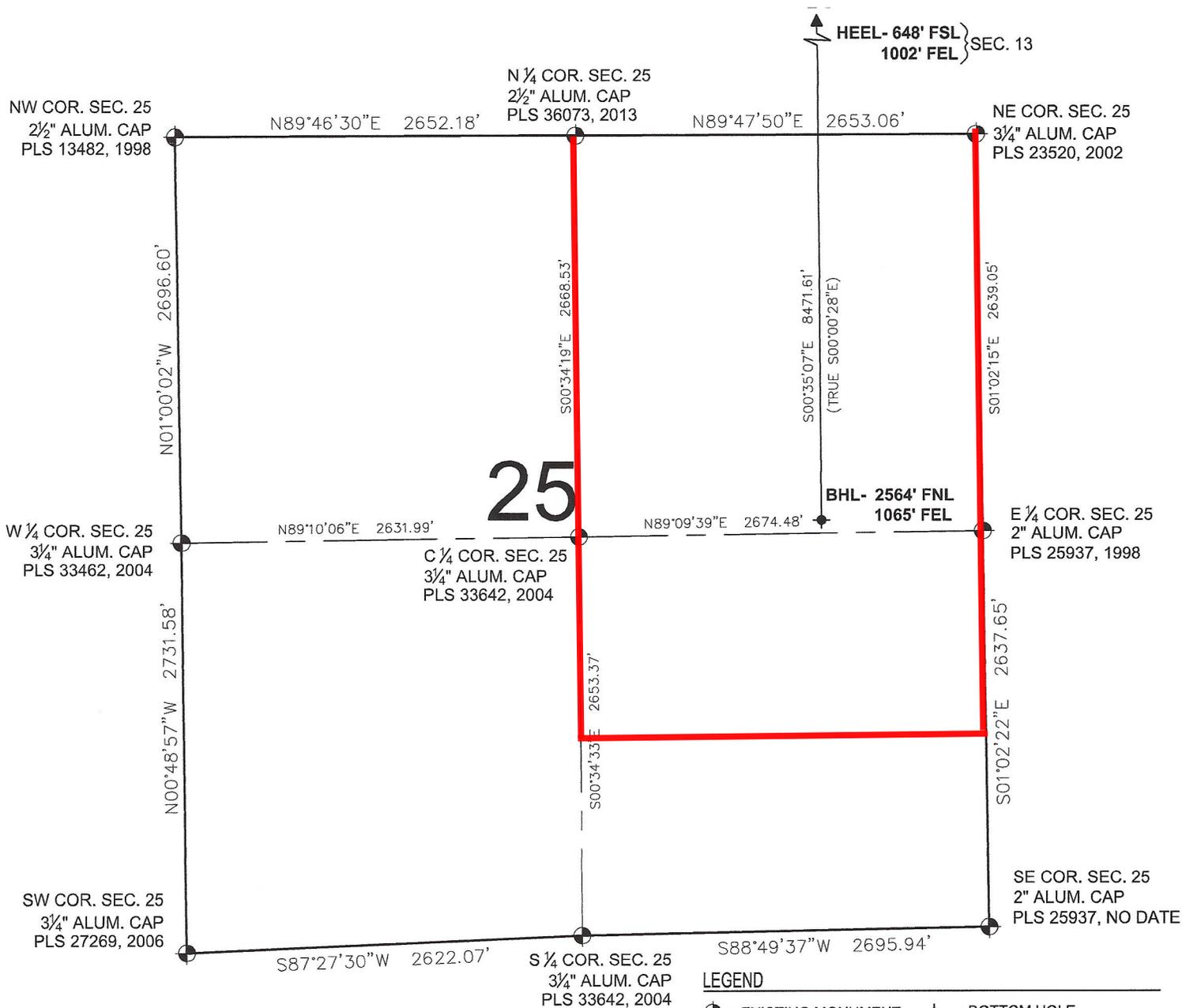


SHEET 2 OF 3

PREPARED BY: 	FIELD DATE: 01-05-15 DRAWING DATE: 01-05-17 BY: MDC CHECKED BY: MLP	WELL NAME: SWARTZ 1N-25HZ SURFACE LOCATION: SE 1/4 SE 1/4 SEC. 13 T2N, R65W, 6TH P.M. WELD COUNTY, COLORADO	PREPARED FOR:
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SWARTZ 1N-25HZ WELL LOCATION CERTIFICATE

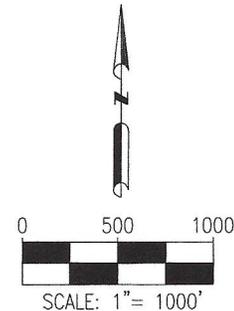
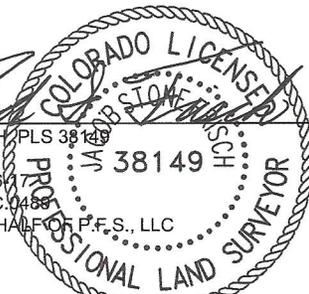
PROPOSED SPACING UNIT



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SHEET 3 OF 3

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