



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18<sup>th</sup> 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 2N-12HZ (API # 05-123-42687)  
Township 2 North, Range 65 West  
Section 13: SW/4SE/4  
Unit Acreage: 360  
Unit Spacing: 02N-65W-Sec 01 SW/4SE/4  
02N-65W-Sec 12 W/2E/2  
02N-65W-Sec 13 W/2E/2

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,

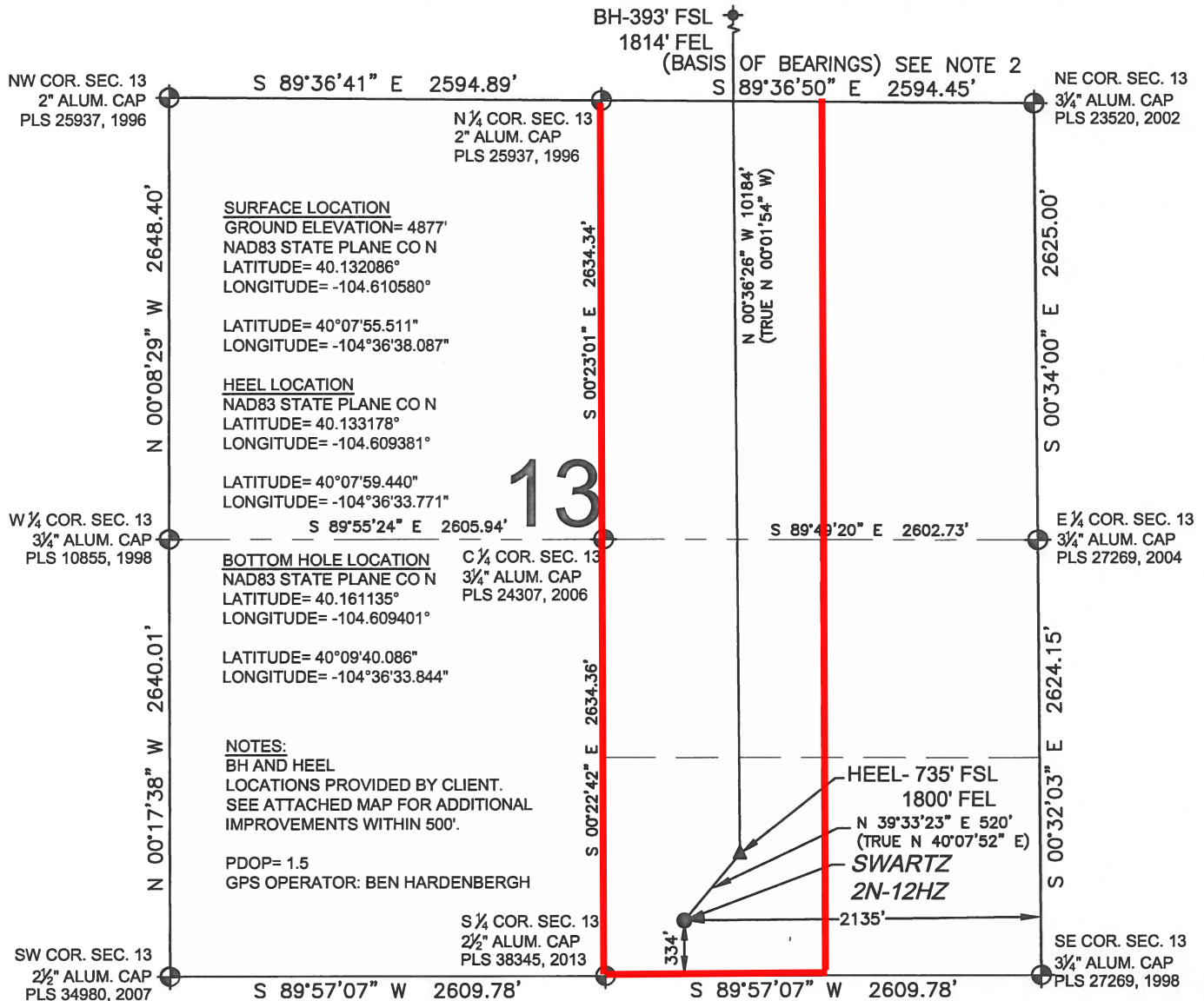
**KERR-McGEE OIL AND GAS ONSHORE LP**

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

Cheryl Light  
Senior Regulatory Analyst

# WELL LOCATION CERTIFICATE: SWARTZ 2N-12HZ

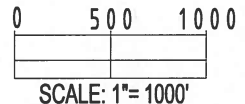
SECTION 13, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



## LEGEND

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

## WELL SWARTZ 2N-12HZ TO BE LOCATED 334' FSL AND 2135' 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.
- CERTIFIED ON AUGUST 4, 2015 FOR WELLS STAKED ON JANUARY 5, 2015. THIRD REVISION DECEMBER 30, 2015 FOR HEEL AND BHL CHANGES.

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.



PREPARED BY



FIELD DATE:

01-05-15

DRAWING DATE:

12-12-16

BY:

BMO

CHECKED:

CSG

SURFACE LOCATION:

SW 1/4 SE 1/4,

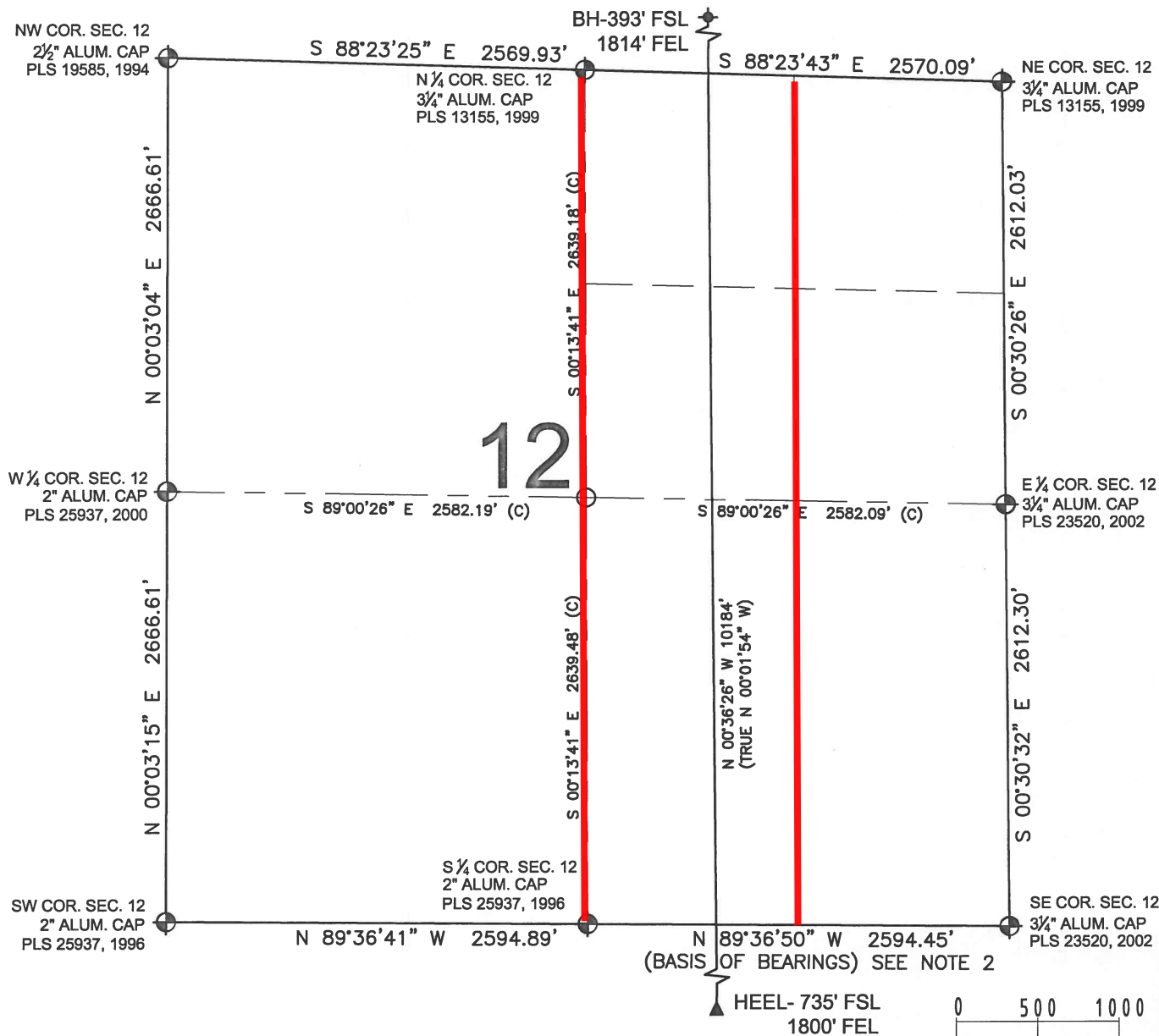
SEC. 13, T2N, R65W, 6TH P.M.

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 2N-12HZ

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



SHEET 2 OF 3

PREPARED BY:

FIELD DATE:  
01-05-15DRAWING DATE:  
12-12-16BY:  
BMOCHECKED:  
CSG

SURFACE LOCATION:

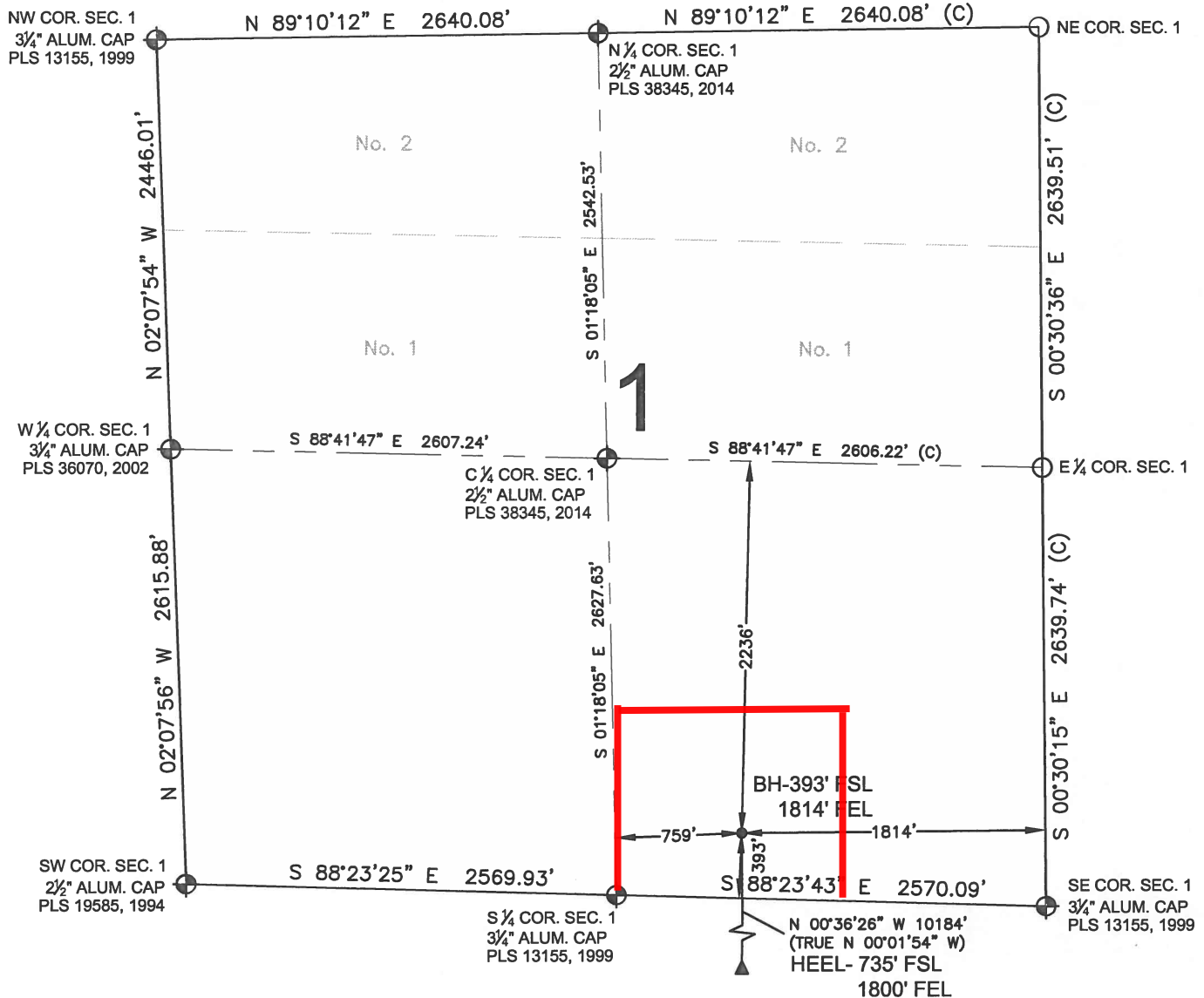
SW 1/4 SE 1/4,  
SEC. 13, T2N, R65W, 6TH P.M.  
WELD COUNTY, COLORADO

JACOB S. FRISCH, PLS 91338149  
DATE: 1-5-17  
JOB NO: B14.APC.0560  
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 2N-12HZ

## SECTION 1, TOWNSHIP 2 NORTH, RANGE 65 WEST, 6TH P.M.



## 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.
- CERTIFIED AUGUST 4, 2015 FOR WELLS STAKED ON JANUARY 5, 2015. THIRD REVISION DECEMBER 30, 2016 FOR HEEL AND BHL CHANGES AND ADDITION OF SECTION 1. CORNERS ON THE EAST LINE OF SECTION 1 ARE CALCULATED DUE TO ROAD CONSTRUCTION AND WILL BE RESET BY THAT SURVEYOR AFTER CONSTRUCTION.

SHEET 3 OF 3

## LEGEND

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 (C) = CALCULATED
- ◆ = BOTTOM HOLE  
 ▲ = HEEL LOCATION  
 ○ = CALCULATED POSITION

0 500 1000

SCALE: 1"=1000'



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:

FIELD DATE:  
01-05-15DRAWING DATE:  
12-12-16BY: BMO  
CHECKED: CSG

SURFACE LOCATION:

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