



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

May 16, 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**  
PUMA FED 34C-35HZ (Doc # 400894391)  
Township 1 North, Range 67 West  
Section 23: SW/4SW/4  
Unit Acreage: 400  
Unit Spacing: SEC 23: SWSW; SEC 26: W2W2;  
SEC 27: NENE; SEC 35: W2W2  
Weld County, Colorado

Dear Mr. 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,

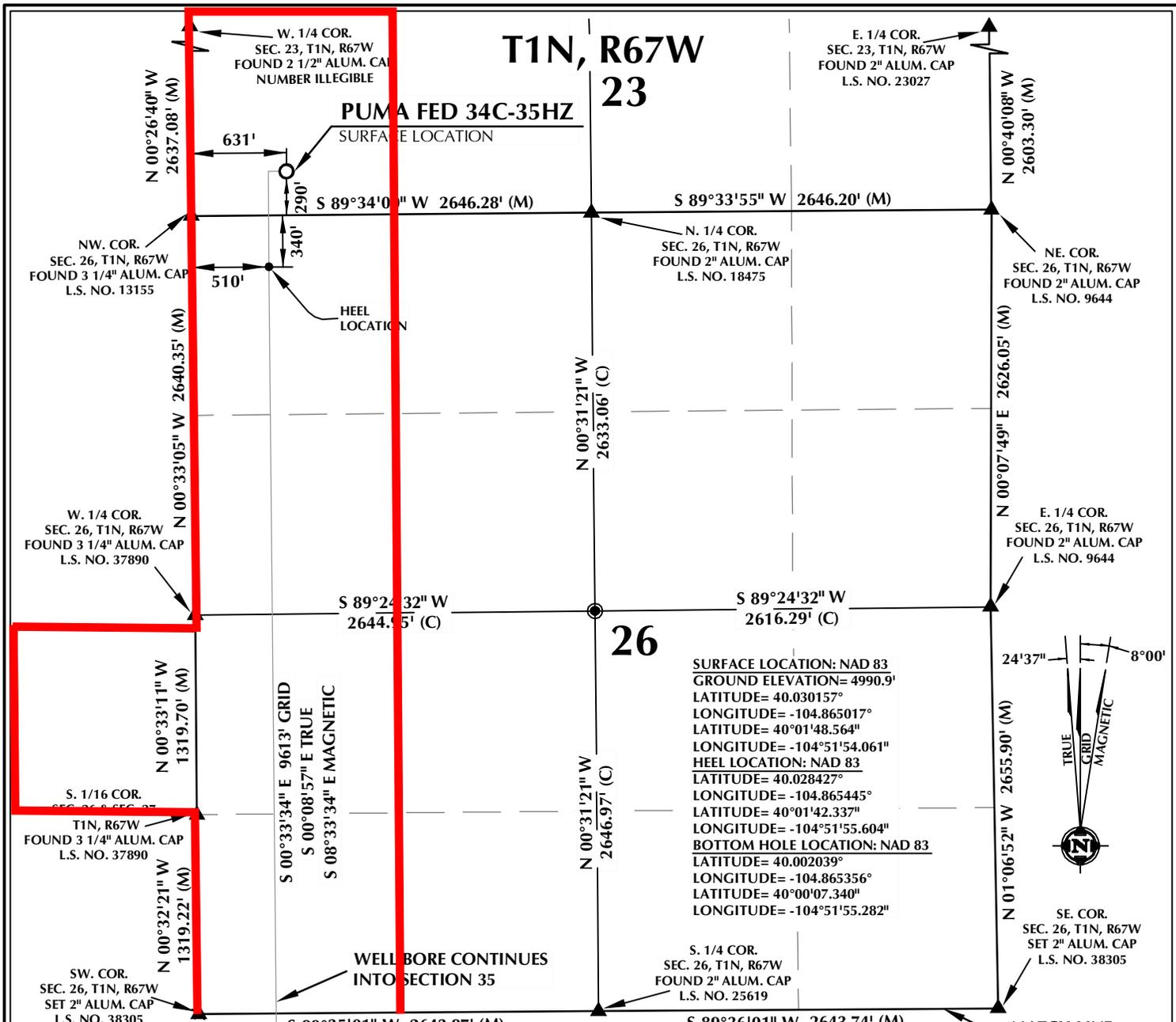
**Kerr-McGee Oil and Gas Onshore LP**

A blue ink signature of Craig Richardson.

Craig Richardson  
Regulatory Analyst II

Enclosure

PROPOSED SPACING MAP



**CERTIFICATE OF SURVEYOR:**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.S. 38-511-02 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

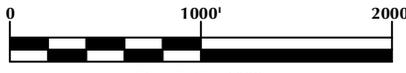
*Benjamin J. Reenders*  
PROFESSIONAL LAND SURVEYOR  
38305

BENJAMIN J. REENDERS  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 18306

NOTICE:  
ACCORDING TO COLORADO STATE 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 THE DATE ON THE CERTIFICATION SHOWN HEREON.

**NOTES:**

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972876
- OPERATOR: ROB WILSON / PDOP = 1.2
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF HOLE BEARS S00°33'34"E, 9613' FROM THE HEEL LOCATION.



NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 8/11/2015.  
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

**WELL PAD - PUMA 4C-14HZ**

**PUMA FED 34C-35HZ**  
WELL LOCATION CERTIFICATE  
290' FSL & 631' FWL SWSW (SURFACE)  
LOCATED IN SECTION 23  
340' FNL & 510' FWL NWNW (HEEL)  
LOCATED IN SECTION 26  
606' FSL & 492' FWL SWSW (BOTTOM)  
LOCATED IN SECTION 35  
T1N, R67W, 6TH P.M.  
WELD COUNTY, COLORADO

**Kerr-McGee Oil & Gas Onshore L.P.**  
1099 18th Street  
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**CONSULTING, LLC**

**SHERIDAN OFFICE**  
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Phone 307-674-0609

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Phone 970-776-4331

DRAFTED BY: LMO	CHECKED BY: BJR	SHEET NO: <b>1A</b> 1A OF 1
DATE DRAFTED: 8/19/15	DATE SURVEYED: 5/7/15	
REVISED:	FILE NAME: 15-42	

PROPOSED SPACING MAP

T1N, R67W

NW. COR.  
SEC. 35, T1N, R67W  
SET 2" ALUM. CAP  
L.S. NO. 38305

N. 1/4 COR.  
SEC. 35, T1N, R67W  
FOUND 2" ALUM. CAP  
L.S. NO. 25619

MATCH LINE  
SEE SHEET 1A

NE. COR.  
SEC. 35, T1N, R67W  
SET 2" ALUM. CAP  
L.S. NO. 38305

SURFACE LOCATION: NAD 83  
GROUND ELEVATION= 4990.9'  
LATITUDE= 40.030157°  
LONGITUDE= -104.865017°  
LATITUDE= 40°01'48.564"  
LONGITUDE= -104°51'54.061"  
HEEL LOCATION: NAD 83  
LATITUDE= 40.028427°  
LONGITUDE= -104.865445°  
LATITUDE= 40°01'42.337"  
LONGITUDE= -104°51'55.604"  
BOTTOM HOLE LOCATION: NAD 83  
LATITUDE= 40.002039°  
LONGITUDE= -104.865356°  
LATITUDE= 40°00'07.340"  
LONGITUDE= -104°51'55.282"

35

W. 1/4 COR.  
SEC. 35, T1N, R67W  
FOUND 2" ALUM. CAP  
L.S. NO. 25937

S 00°33'34" E 9613' GRID  
S 00°08'57" E TRUE  
S 08°33'34" E MAGNETIC

N 00°39'46" W  
2639.74' (C)

N 00°32'24" W  
5275.85' (M)

S 89°35'25" W  
1318.63' (M)

S 89°33'40" W  
1318.62' (C)

S 89°33'40" W  
2638.08' (C)

CW. 1/16 COR.  
SEC. 35, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 24307

N 00°39'46" W  
2638.69' (C)

BOTTOM OF HOLE:  
606' FSL & 492' FWL

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SE. COR.  
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FOUND 2 1/2" ALUM. CAP  
L.S. NO. 13482

SW. COR.  
SEC. 35, T1N, R67W  
FOUND ALUM. CAP  
NUMBER ILLEGIBLE

W. 1/16 COR.  
SEC. 35, T1N, R67W &  
SEC. 2, T1S, R67W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 37890

24'37" 8'00"

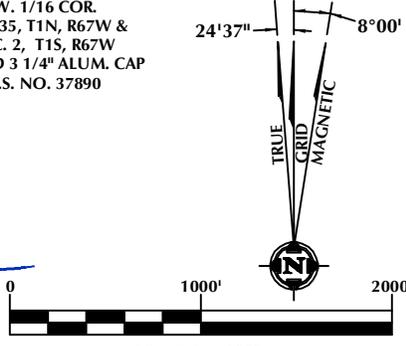
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*Benjamin J. Reenders*  
PROFESSIONAL LAND SURVEYOR  
8/19/15

BENJAMIN J. REENDERS  
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COLORADO REGISTRATION NUMBER 183305

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2033'

714'

492'

606'

BOTTOM OF HOLE:  
606' FSL & 492' FWL

825'

2141'

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FOUND ALUM. CAP  
NUMBER ILLEGIBLE

S 89°33'24" W  
1316.14' (M)

S 89°34'34" W  
1315.90' (M)

S 89°32'41" W  
2632.43' (M)

W. 1/16 COR.  
SEC. 35, T1N, R67W &  
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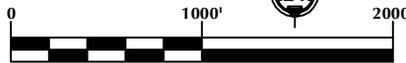
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