



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

June 28, 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**  
QUARTER CIRCLE 24 - 7HZ (Doc No. 401320174)  
Township 1 North, Range 67 West  
Section 24: SESW  
Unit Acreage: 360 Acres  
Unit Spacing: 01N67W SEC 24: E2W2  
01N67W SEC 13: E2W  
01N67W SEC 12: SESW  
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 me at (720) 929-6907.

Sincerely,

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

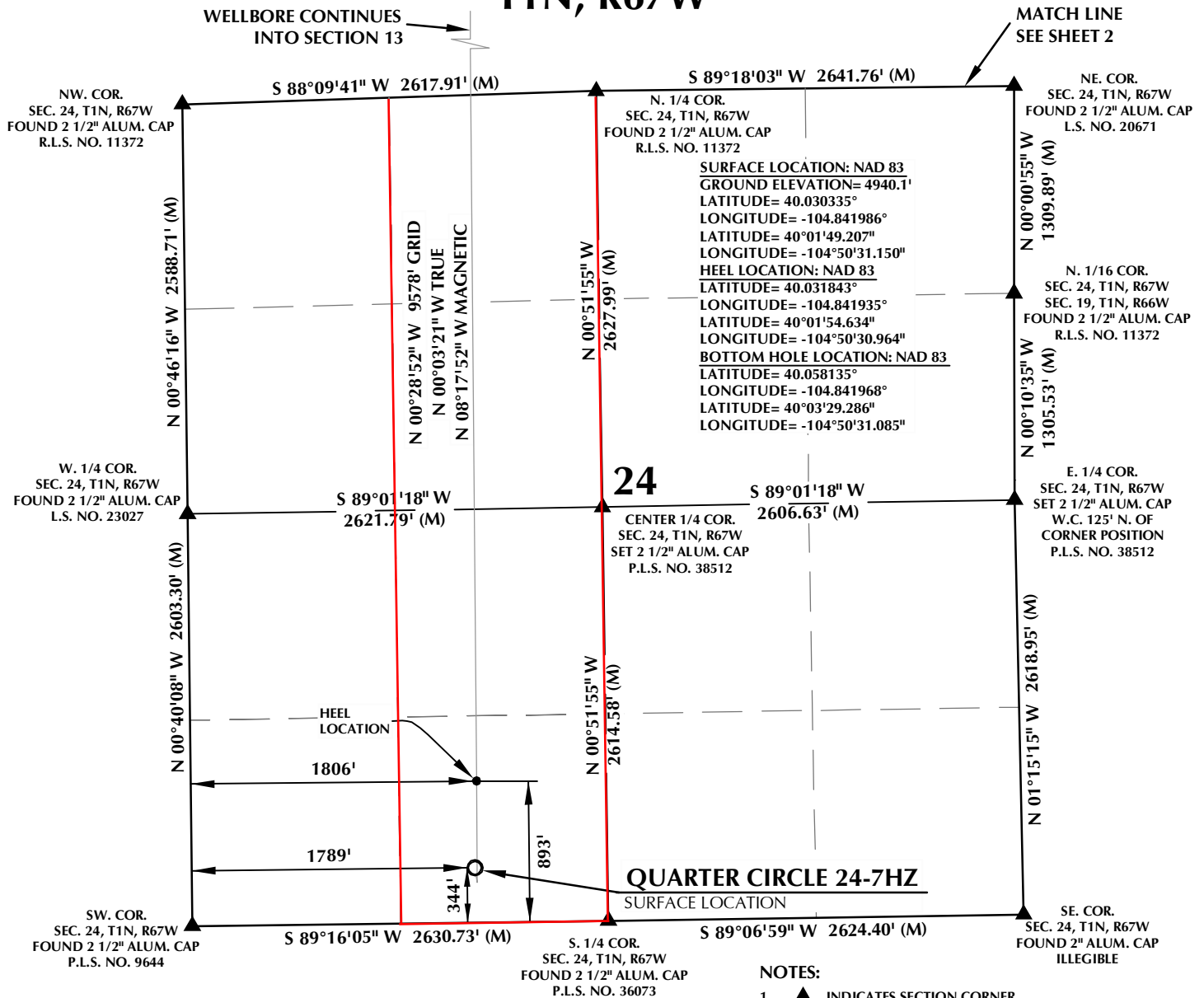
A handwritten signature in blue ink, appearing to read 'Craig Richardson'.

**Craig Richardson**  
**Regulatory Analyst II**

Enclosure

# PROPOSED SPACING UNIT

**T1N, R67W**

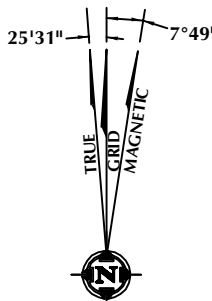


## CERTIFICATE OF SURVEYOR:

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 THESE 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.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Randall K. French*  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 38512  
4/18/17

**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.



**NOTE:**  
MAGNETIC NORTH IS CURRENT AS OF 2/7/2017.  
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

## WELL PAD - QUARTER CIRCLE 24-8HZ

**QUARTER CIRCLE 24-7HZ**  
**WELL LOCATION CERTIFICATE**  
344' FSL & 1789' FWL SESW (SURFACE)  
893' FSL & 1806' FWL SESW (HEEL)  
LOCATED IN SECTION 24  
51' FNL & 1837' FWL NENW (BOTTOM)  
LOCATED IN SECTION 13  
T1N, R67W, 6TH P.M.  
WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
Gas Onshore L.P.**  
1099 18th Street  
Denver, Colorado 80202



## CONSULTING, LLC

**SHERIDAN OFFICE**  
1095 Saberton Avenue  
Sheridan, Wyoming 82801  
Phone 307-674-0609

**LOVELAND OFFICE**  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	RKF	SHEET NO:
DATE DRAFTED:	4/18/17	DATE SURVEYED:	12/8/16	1
REVISED:		FILE NAME:	14-102	1 OF 2

# PROPOSED SPACING UNIT

**T1N, R67W**

E. 1/16 COR.  
SEC. 12 & SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

NW. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 89°02'22" W 1307.33' (M)  
S 89°02'18" W 1307.36' (M)

NE. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

N. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

BOTTOM OF HOLE:  
51' FNL & 1837' FWL

W. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 89°58'44" W 2617.48' (M)

S 89°03'10" W 2640.28' (M)

E. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

CENTER 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

**13**

SURFACE LOCATION: NAD 83  
GROUND ELEVATION= 4940.1'  
LATITUDE= 40.030335°  
LONGITUDE= -104.841986°  
LATITUDE= 40°01'49.207"  
LONGITUDE= -104°50'31.150"  
HEEL LOCATION: NAD 83  
LATITUDE= 40.031843°  
LONGITUDE= -104.841935°  
LATITUDE= 40°01'54.634"  
LONGITUDE= -104°50'30.964"  
BOTTOM HOLE LOCATION: NAD 83  
LATITUDE= 40.058135°  
LONGITUDE= -104.841968°  
LATITUDE= 40°03'29.286"  
LONGITUDE= -104°50'31.085"

S. 1/16 COR.  
SEC. 13 & SEC. 14  
T1N, R67W  
SET 2 1/2" ALUM. CAP  
P.L.S. NO. 38512

S. 1/16 COR.  
SEC. 13, T1N, R67W &  
SEC. 18, T1N, R66W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

SE. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 20671

SW. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 88°09'41" W 2617.91' (M)

S. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 89°18'03" W 2641.76' (M)

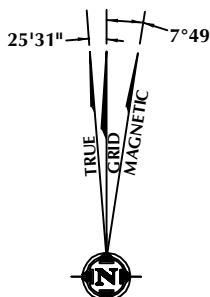
MATCH LINE  
SEE SHEET 1

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*Randall K. French*  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 18512  
4/18/17

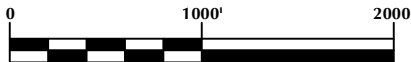
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## NOTES:

- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID12B)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
- COMBINED SCALE FACTOR: .99973172 CALCULATED FROM THE SE. CORNER OF SECTION 24, T1N, R67W
- OPERATOR: ROB WILSON / PDOP = 1.5
- 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 N00°28'52"W, 9578' FROM THE HEEL LOCATION.



SCALE: 1" = 1000'

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