



# 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 - 6HZ (Doc No. 401320173)  
Township 1 North, Range 67 West  
Section 24: SWSW  
Unit Acreage: 720 Acres  
Unit Spacing: 01N67W SEC 24: W2  
01N67W SEC 13: W2  
01N67W SEC 12: S2SW4  
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**

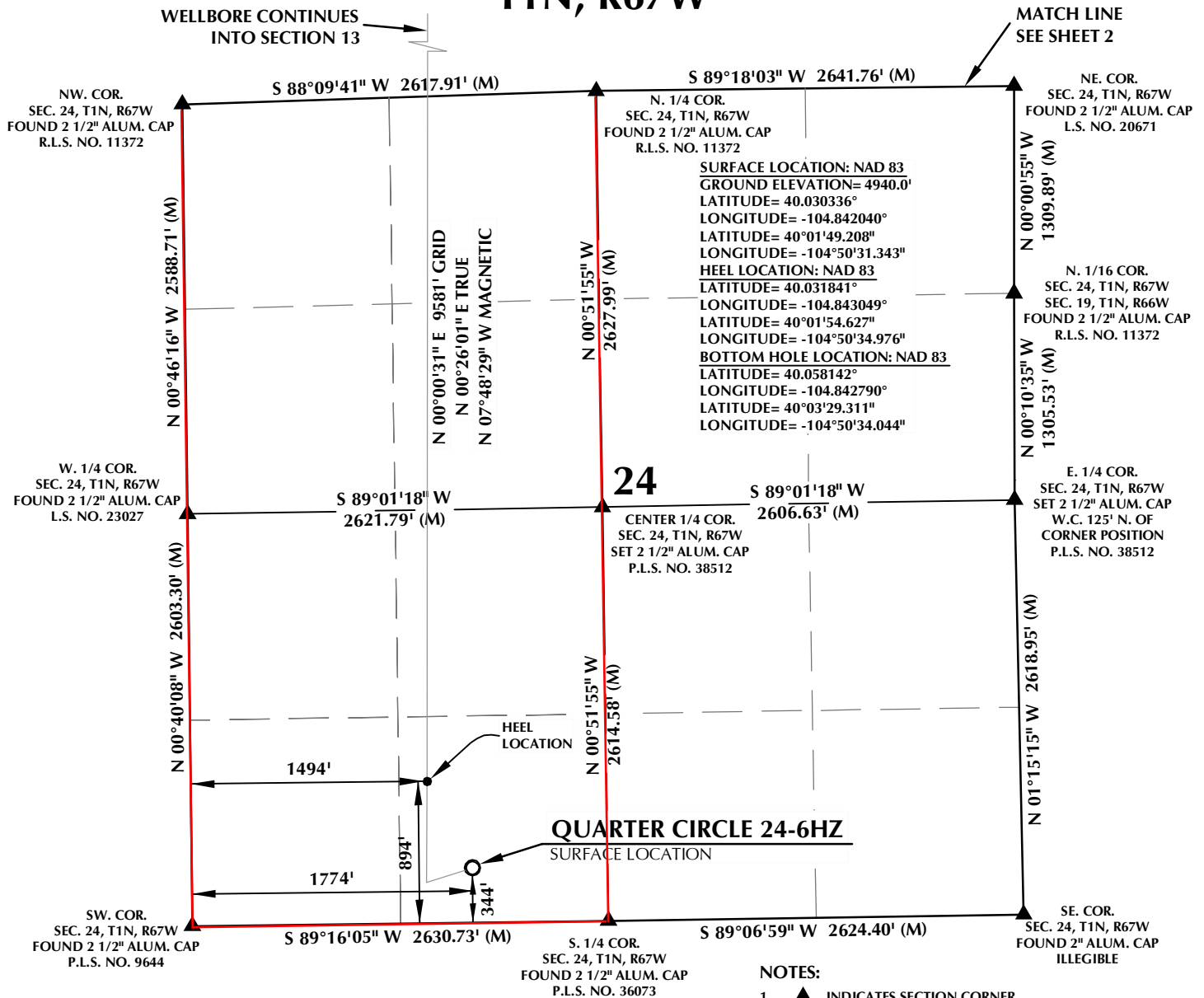
A handwritten signature in blue ink, appearing to read 'Craig Richardson'.

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

Enclosure

# PROPOSED SPACING UNIT

**T1N, R67W**

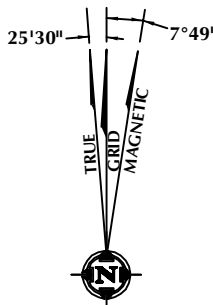


## CERTIFICATE OF SURVEYOR:

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*  
**RANDALL K. FRENCH**  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 38512

**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 24-6HZ**  
**WELL LOCATION CERTIFICATE**  
 344' FSL & 1774' FWL SESW (SURFACE)  
 894' FSL & 1494' FWL SESW (HEEL)  
 LOCATED IN SECTION 24  
 50' FNL & 1607' 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	<b>1</b>
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

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

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

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

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

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

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

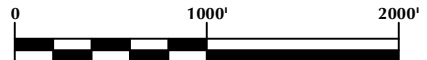
CENTER 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

**13**

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 4940.0'  
LATITUDE= 40.030336°  
LONGITUDE= -104.842040°  
LATITUDE= 40°01'49.208"  
LONGITUDE= -104°50'31.343"  
**HEEL LOCATION: NAD 83**  
LATITUDE= 40.031841°  
LONGITUDE= -104.843049°  
LATITUDE= 40°01'54.627"  
LONGITUDE= -104°50'34.976"  
**BOTTOM HOLE LOCATION: NAD 83**  
LATITUDE= 40.058142°  
LONGITUDE= -104.842790°  
LATITUDE= 40°03'29.311"  
LONGITUDE= -104°50'34.044"

## 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 = 1.2
- 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 N00°00'31"E, 9581' FROM THE HEEL LOCATION.



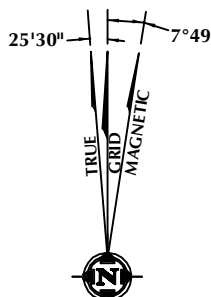
SCALE: 1" = 1000'

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PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 18512

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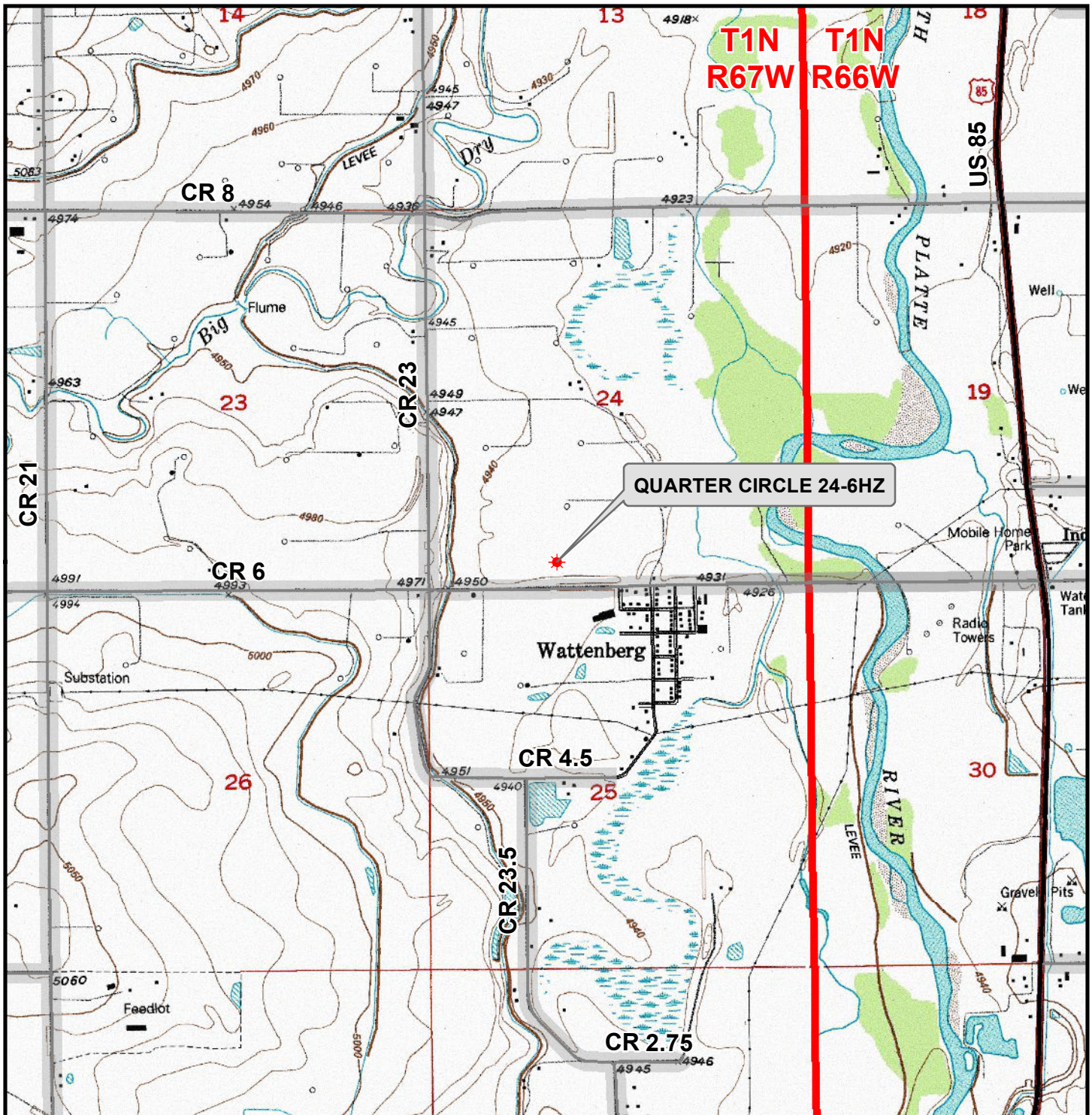
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# PROPOSED SPACING UNIT



## Legend

- ★ Well - Fee - Proposed   
      Road - Primitive - Existing   
      Road - County - Existing  
     Road - Improved - Existing   
     Road - Highway - Existing

## WELL PAD - QUARTER CIRCLE 24-8HZ

**GENERAL LOCATION MAP**  
**QUARTER CIRCLE 24-6HZ**  
**LOCATED IN SECTION 24**  
**T1N, R67W, 6th P.M.**  
**WELD COUNTY, COLORADO**

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 Phone 307-674-0609    Phone 970-776-4331

SCALE: 1" = 2,000ft

NAD83 CO-Nft

DRAWN: DP

DATE: 18 Apr 2017

REVISED:

DATE: