



# 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 15, 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**  
PUTTER 27-4HZ – DOC # 401281509  
Township 3 North, Range 68 West  
Section 27: NWNW  
Unit Acreage: 560 Acres  
Unit Spacing: T3N/R68W 27:W2, 22: S2SW, 34: NW4  
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 well.

If you have any questions or issues regarding this permit, please contact our office.

Sincerely,

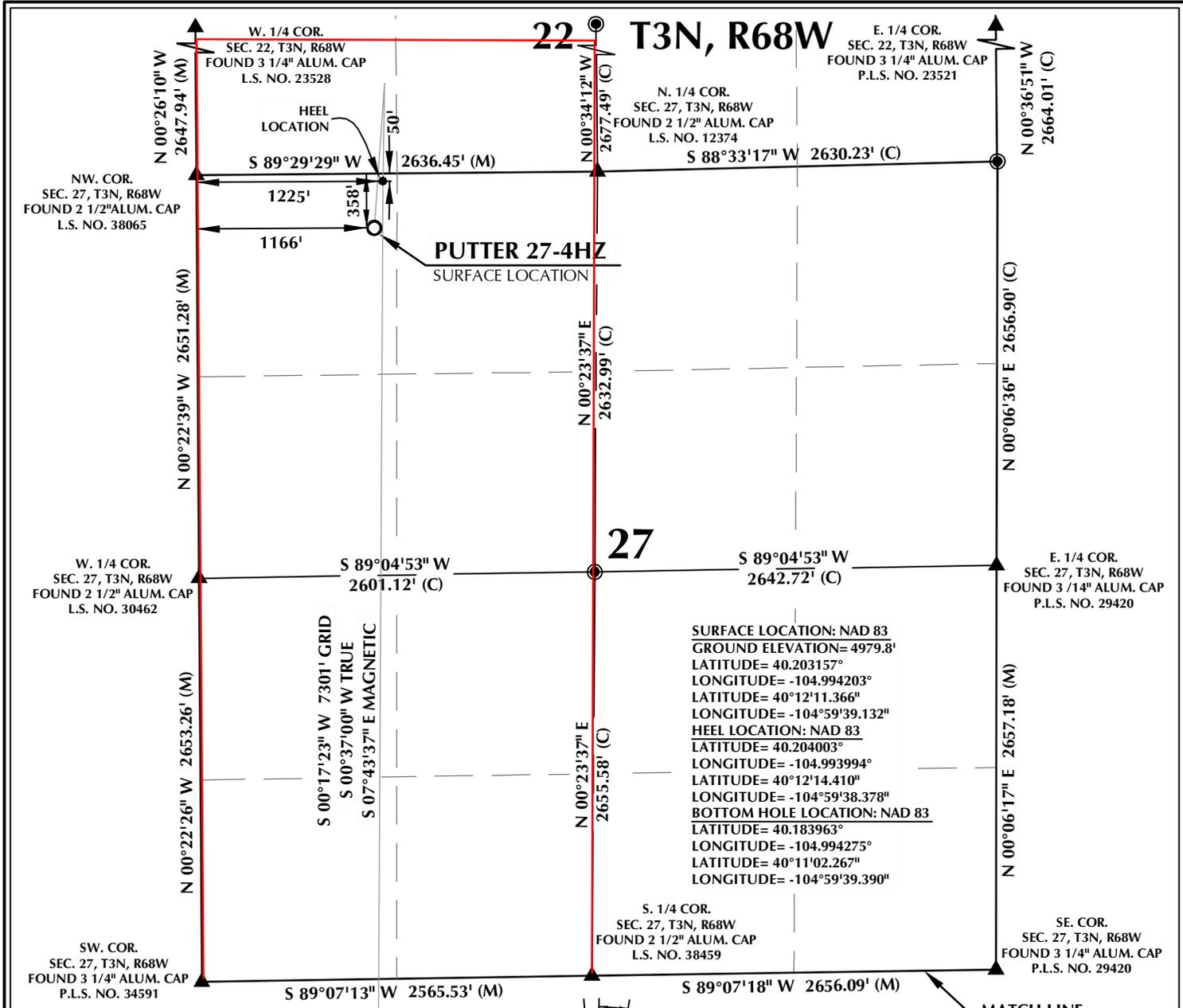
**Kerr-McGee Oil and Gas Onshore LP**

A handwritten signature in black ink that reads "Shayelyn Marshall".

Shayelyn Marshall  
Regulatory Analyst II

Enclosure

**PROPOSED SPACING UNIT**



**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4979.8'  
 LATITUDE= 40.203157°  
 LONGITUDE= -104.994203°  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.204003°  
 LONGITUDE= -104.993994°  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.183963°  
 LONGITUDE= -104.994275°  
 LONGITUDE= -104°59'39.390"

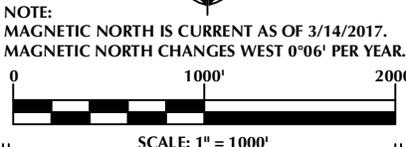
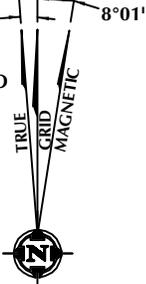
**CERTIFICATE OF SURVEYOR:**

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  
 3/21/17

**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.

**WELLBORE CONTINUES INTO SECTION 34**



**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: .99972252 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 27, T3N, R68W
- OPERATOR: ROB WILSON / PDOP = 1.4
- 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°17'23"W, 7301' FROM THE HEEL LOCATION.

**WELL PAD - PUTTER 27-5HZ**

**PUTTER 27-4HZ**  
**WELL LOCATION CERTIFICATE**  
 358' FNL & 1166' FWL NWNW (SURFACE)  
 50' FNL & 1225' FWL NWNW (HEEL)  
 LOCATED IN SECTION 27  
 2053' FNL & 1139' FWL SWNW (BOTTOM)  
 LOCATED IN SECTION 34  
 T3N, R68W, 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: <b>1</b> 1 OF 2
DATE DRAFTED: 3/21/17	DATE SURVEYED: 3/14/17	
REVISED:	FILE NAME: 16-180	

**PROPOSED SPACING UNIT**

**T3N, R68W**

MATCH LINE  
SEE SHEET 1

NW COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 34591

N. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 38459

NE COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 29420

N 00°24'48" W 2658.36' (M)

S 89°07'13" W 2565.53' (M)

S 89°07'18" W 2656.09' (M)

N 00°56'15" W 2679.14' (M)

1139'

723'

147'

1433'

W. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/4" ALUM. CAP  
P.L.S. NO. 34591

BOTTOM OF HOLE:  
2053' FNL & 1139' FWL

S 89°34'09" W  
2673.26' (M)

E. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 29420

N 00°19'08" W 2650.75' (M)

S 89°07'12" W  
2573.24' (M)

**34**

CENTER 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 7735

SURFACE LOCATION: NAD 83  
GROUND ELEVATION= 4979.8'  
LATITUDE= 40.203157°  
LONGITUDE= -104.994203°  
LATITUDE= 40°12'11.366"  
LONGITUDE= -104°59'39.132"  
HEEL LOCATION: NAD 83  
LATITUDE= 40.204003°  
LONGITUDE= -104.993994°  
LATITUDE= 40°12'14.410"  
LONGITUDE= -104°59'38.378"  
BOTTOM HOLE LOCATION: NAD 83  
LATITUDE= 40.183963°  
LONGITUDE= -104.994275°  
LATITUDE= 40°11'02.267"  
LONGITUDE= -104°59'39.390"

N 00°56'44" W 2679.24' (M)

N 01°56'13" W  
2695.71' (M)

SW COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 36073

N 89°54'53" W 2649.30' (M)

S. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 18482

S 89°13'40" W 2626.52' (M)

SE COR.  
SEC. 34, T3N, R68W  
FOUND TWO 1" BRASS PLUG  
REFERENCE MONUMENTS  
PER CORNER RECORD  
L.S. NO. 29420

19'37" 8'01"



NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 3/14/2017.  
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

SCALE: 1" = 1000'

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