



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18th Street
Denver, CO 80202
720-929-6000

November 9, 2015

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**
JZM 1C-3HZ (Doc #400906157)
Township 1 North, Range 67 West
Section 10: SE/4SE/4
Unit Acreage: 720
Unit Spacing: 01N-67W-Sec 03 E/2
01N-67W-Sec 10 E/2
02N-67W-Sec 34 S/2SE/4
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 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

PROPOSED SPACING UNIT

T1N, R67W

NW. COR.
SEC. 10, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

MATCH LINE
SEE SHEET 2

WELL BORE CONTINUES
INTO SECTION 3

S 89°33'37" W
1322.65' (M)

S 89°33'29" W
1322.75' (M)

S 89°33'38" W 2645.71' (M)

W. 1/16 COR.
SEC. 10 & SEC. 3
T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

N. 1/4 COR.
SEC. 10, T1N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 25937

NE. COR.
SEC. 10, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

CENTER W. 1/16 COR.
SEC. 10, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

CENTER COR.
SEC. 10, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

N 00°22'03" W 9595' GRID
N 00°02'23" E TRUE
N 08°23'03" W MAGNETIC

N 00°20'01" W 5285.75' (M)

S 89°32'40" W
1325.17' (C)

S 89°33'52" W
1325.23' (M)

S 89°33'33" W
2650.90' (M)

E. 1/4 COR.
SEC. 10, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

10

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 5041.1'
LATITUDE= 40.059121°
LONGITUDE= -104.869661°
LATITUDE= 40°03'32.837"
LONGITUDE= -104°52'10.779"
HEEL LOCATION: NAD 83
LATITUDE= 40.061030°
LONGITUDE= -104.870912°
LATITUDE= 40°03'39.707"
LONGITUDE= -104°52'15.284"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.087371°
LONGITUDE= -104.870889°
LATITUDE= 40°05'14.536"
LONGITUDE= -104°52'15.200"

N 00°26'12" W
2642.65' (M)

N 00°27'08" W
2642.31' (M)

N 00°33'17" W 2642.59' (M)

N 00°33'13" W 2642.65' (M)

SE. COR.
SEC. 10, T1N, R67W
FOUND 2" ALUM. CAP
NUMBER ILLEGIBLE

S. 1/4 COR.
SEC. 10, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 30462

S 89°32'32" W 2655.87' (M)

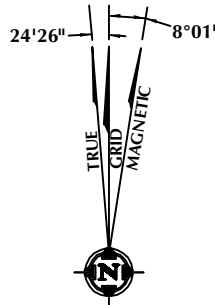
S 89°33'59" W 2655.57' (M)

SW. COR.
SEC. 10, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937



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: .99972303
- 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 N00°22'03"W 9595' FROM THE HEEL LOCATION.



NOTE:
MAGNETIC NORTH IS CURRENT AS OF 8/24/2015.
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



SCALE: 1" = 1000'

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

Benjamin J. Reenders
PROFESSIONAL LAND SURVEYOR
38305

BENJAMIN J. REENDERS
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 1832

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.

WELL PAD - JZM 1N-3HZ

JZM 1C-3HZ
WELL LOCATION CERTIFICATE
307' FSL & 648' FEL SESE (SURFACE)
1002' FSL & 996' FEL SESE (HEEL)
LOCATED IN SECTION 10
50' FNL & 901' FEL NENE (BOTTOM)
LOCATED IN SECTION 3
T1N, R67W, 6TH P.M.
WELD COUNTY, COLORADO

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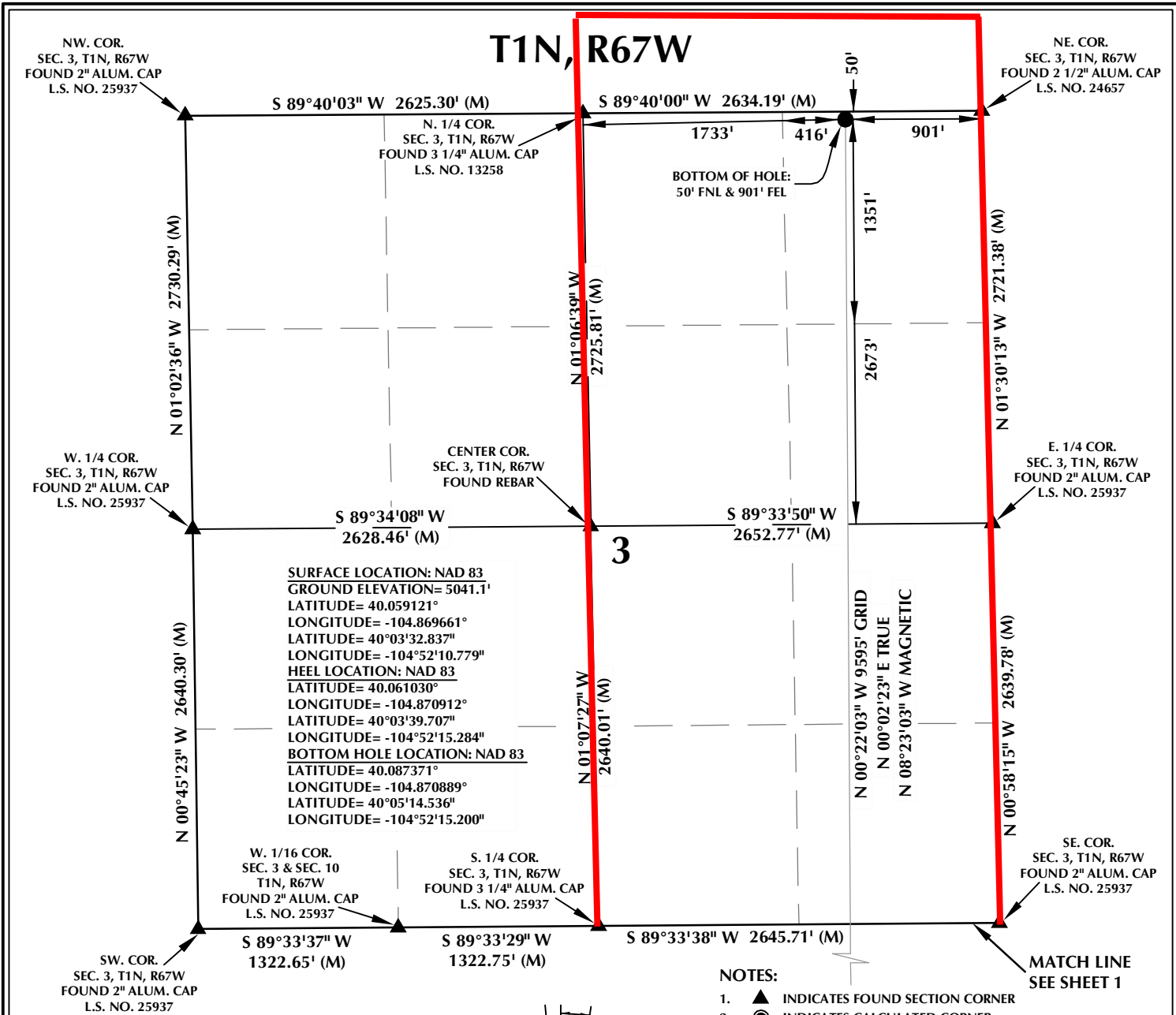
CONSULTING, LLC

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: TJP	CHECKED BY: BJR	SHEET NO: 1 1 OF 2
DATE DRAFTED: 8/26/15	DATE SURVEYED: 7/15/15	
REVISED:	FILE NAME: 13-39	

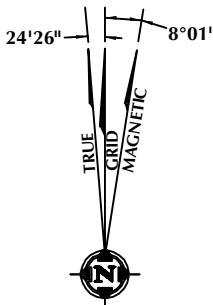
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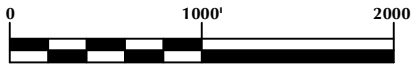
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Benjamin J. Reenders
 BENJAMIN J. REENDERS
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 4333

8/26/15

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