



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

October 12, 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**  
PUMA FED 5S-35HZ (Doc # 400894381)  
Township 1 North, Range 67 West  
Section 23: SWSW  
Unit Acreage: 240  
Unit Spacing: SEC 23: SWSW; SEC 26: W2W2; SEC 35: NWNW  
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,

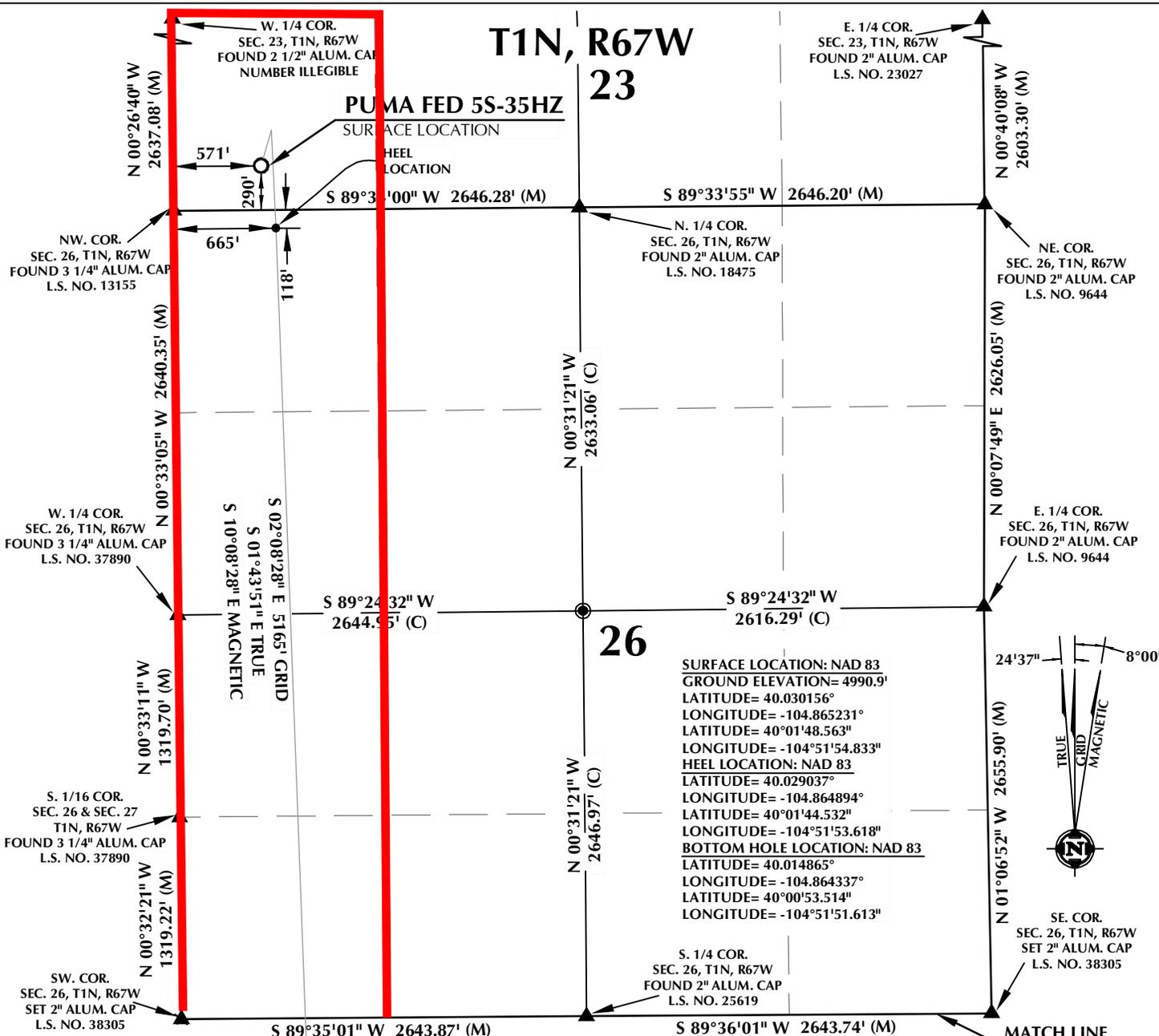
**Kerr-McGee Oil and Gas Onshore LP**

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

Craig Richardson  
Regulatory Analyst II

Enclosure

# T1N, R67W 23



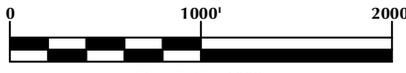
**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4990.9'  
 LATITUDE= 40.030156°  
 LONGITUDE= -104.865231°  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.029037°  
 LONGITUDE= -104.864894°  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.014865°  
 LONGITUDE= -104.864337°  
 LATITUDE= 40°00'53.514"  
 LONGITUDE= -104°51'51.613"



### 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*  
 BENJAMIN J. REENDERS  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 18336



NOTE: SCALE: 1" = 1000'  
 MAGNETIC NORTH IS CURRENT AS OF 8/11/2015.  
 MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

### 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 S02°08'28"E, 5165' FROM THE HEEL LOCATION.

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

PUMA FED 5S-35HZ  
 WELL LOCATION CERTIFICATE  
 290' FSL & 571' FWL SWSW (SURFACE)  
 LOCATED IN SECTION 23  
 118' FNL & 665' FWL NWNW (HEEL)  
 LOCATED IN SECTION 26  
 1' FNL & 809' FWL NWNW (BOTTOM)  
 LOCATED IN SECTION 35  
 T1N, R67W, 6TH P.M.  
 WELD COUNTY, COLORADO

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

**609**

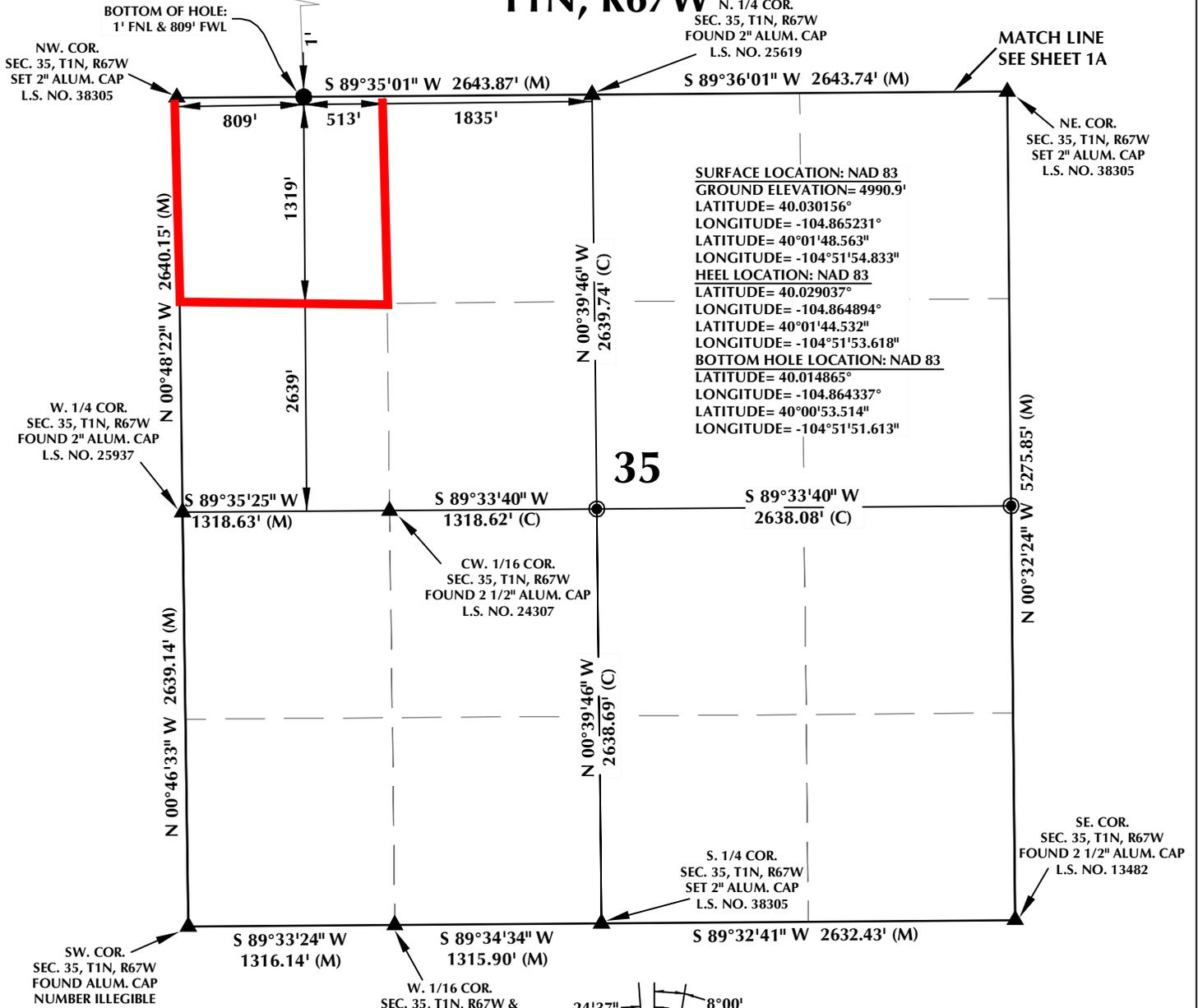
**CONSULTING, LLC**

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

# T1N, R67W

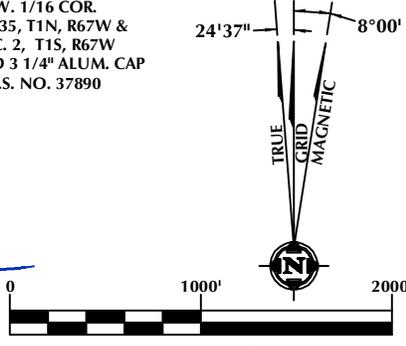


## CERTIFICATE OF SURVEYOR:

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 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. 38-513-02 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Benjamin J. Reenders*  
 BENJAMIN J. REENDERS  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 14336

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 8/11/2015. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

## 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 S02°08'28"E, 5165' FROM THE HEEL LOCATION.

## WELL PAD - PUMA 4C-14HZ

PUMA FED 5S-35HZ  
 WELL LOCATION CERTIFICATE  
 290' FSL & 571' FWL SWSW (SURFACE)  
 LOCATED IN SECTION 23  
 118' FNL & 665' FWL NWNW (HEEL)  
 LOCATED IN SECTION 26  
 1' FNL & 809' FWL NWNW (BOTTOM)  
 LOCATED IN SECTION 35  
 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: BJR	SHEET NO: <b>1B</b> 1B OF 1
DATE DRAFTED: 8/19/15	DATE SURVEYED: 5/7/15	
REVISED:	FILE NAME: 15-42	