



**KERR-MCGEE OIL & GAS ONSHORE LP**  
1099 18<sup>TH</sup> STREET, SUITE 1800  
DENVER, CO 80202-1918  
P.O. Box 173779  
DENVER, CO 80217-3779  
720-929-6000

September 18, 2015

Megan Molholm  
Encana Oil and Gas (USA) Inc.  
370 17<sup>th</sup> Street, Suite 1700  
Denver, CO 80202

Re: COGCC Rule 317.s Stimulation Setback Consent  
PUMA FED 34C-35HZ  
Township 1 North, Range 67 West, 6<sup>th</sup> P.M.  
Section 23: SW/4SW/4  
Weld County, Colorado

Dear Ms. Molholm:

Kerr-McGee Oil & Gas Onshore LP is applying for a permit to drill the captioned horizontal well. Pursuant to Rule 317.r, you are being provided notice of a proposed wellbore lying within one hundred fifty (150) feet of the existing active well cited below. Additionally, pursuant to Rule 317.s, no portion of a proposed wellbore's treated interval shall be located within one hundred fifty (150) feet of an existing (producing, shut-in, or temporarily abandoned) or permitted oil and gas wellbore's treated interval belonging to another operator without the signed written consent of the operator of the encroached upon wellbore.

As currently planned, the following well(s) operated by Encana Oil & Gas (USA) Inc. have treated intervals that lie within one hundred fifty (150) feet of the horizontal lateral of the captioned well:

- |                 |              |      |
|-----------------|--------------|------|
| 1) MOSER 12-26  | 05-123-21066 | 26'  |
| 2) HOWARD 13-26 | 05-123-19946 | 136' |

If Encana Oil & Gas (USA) Inc. is in agreement to waive Rule 317.s, please sign this consent form in the space provided below and return one original copy to the undersigned.

Sincerely,

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

Cheryl Light  
Senior Regulatory Analyst

Enclosure

As operator of the above referenced well(s) lying within one hundred fifty (150) feet of the treated interval portion of the above captioned well, Encana Oil & Gas (USA) Inc. hereby waives the one hundred fifty (150) foot minimum stimulation setback distance as specified in COGCC Rule 317.s.

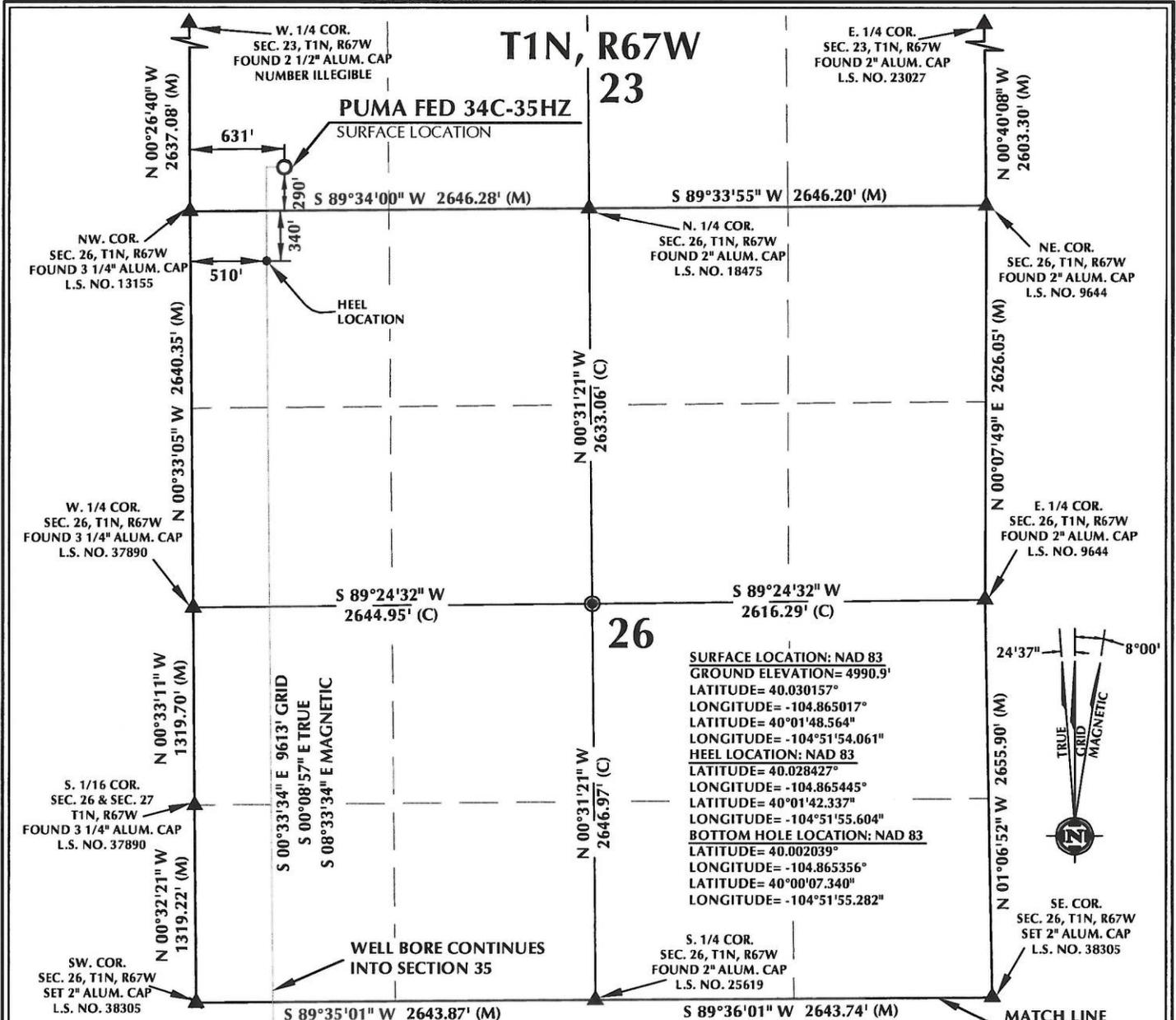
Accepted and agreed to this 7<sup>th</sup> day of October, 2015.

Encana Oil & Gas (USA) Inc.

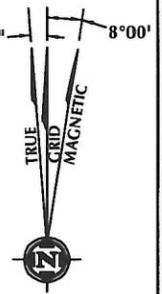
Megan H Molholm

By: Megan H Molholm

Title: Production Engineer



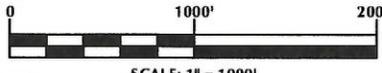
**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4990.9'  
 LATITUDE= 40.030157°  
 LONGITUDE= -104.865017°  
 LATITUDE= 40°01'48.564"  
 LONGITUDE= -104°51'54.061"  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.028427°  
 LONGITUDE= -104.865445°  
 LATITUDE= 40°01'42.337"  
 LONGITUDE= -104°51'55.604"  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.002039°  
 LONGITUDE= -104.865356°  
 LATITUDE= 40°00'07.340"  
 LONGITUDE= -104°51'55.282"



**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 83305  
 8/19/15



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 500°33'34"E, 9613' FROM THE HEEL LOCATION.

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

PUMA FED 34C-35HZ  
 WELL LOCATION CERTIFICATE  
 290' FSL & 631' FWL SWSW (SURFACE)  
 LOCATED IN SECTION 23  
 340' FNL & 510' FWL NWNW (HEEL)  
 LOCATED IN SECTION 26  
 606' FSL & 492' FWL SWSW (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> 1A OF 1
DATE DRAFTED: 8/19/15	DATE SURVEYED: 5/7/15	
REVISED:	FILE NAME: 15-42	

K:\ANDARCO\2015\15-42\_FLP\_FLD\_MEESSE\_T1N\_R67W\_23\PLAT\PLAT\PUMA PLATE.dwg, 8/17/2015 4:00:07 PM, BJR

# T1N, R67W

NW COR.  
SEC. 35, T1N, R67W  
SET 2" ALUM. CAP  
L.S. NO. 38305

N. 1/4 COR.  
SEC. 35, T1N, R67W  
FOUND 2" ALUM. CAP  
L.S. NO. 25619

MATCH LINE  
SEE SHEET 1A

NE COR.  
SEC. 35, T1N, R67W  
SET 2" ALUM. CAP  
L.S. NO. 38305

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 4990.9'  
LATITUDE= 40.030157°  
LONGITUDE= -104.865017°  
LATITUDE= 40°01'48.564"  
LONGITUDE= -104°51'54.061"  
**HEEL LOCATION: NAD 83**  
LATITUDE= 40.028427°  
LONGITUDE= -104.865445°  
LATITUDE= 40°01'42.337"  
LONGITUDE= -104°51'55.604"  
**BOTTOM HOLE LOCATION: NAD 83**  
LATITUDE= 40.002039°  
LONGITUDE= -104.865356°  
LATITUDE= 40°00'07.340"  
LONGITUDE= -104°51'55.282"

W. 1/4 COR.  
SEC. 35, T1N, R67W  
FOUND 2" ALUM. CAP  
L.S. NO. 25937

S 00°33'34" E 9613' GRID  
S 00°08'57" E TRUE  
S 08°33'34" E MAGNETIC

N 00°39'46" W  
2639.74' (C)

35

S 89°35'25" W  
1318.63' (M)

S 89°33'40" W  
1318.62' (C)

S 89°33'40" W  
2638.08' (C)

CW. 1/16 COR.  
SEC. 35, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 24307

N 00°39'46" W  
2638.69' (C)

BOTTOM OF HOLE:  
606' FSL & 492' FWL

S. 1/4 COR.  
SEC. 35, T1N, R67W  
SET 2" ALUM. CAP  
L.S. NO. 38305

SE COR.  
SEC. 35, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 13482

SW COR.  
SEC. 35, T1N, R67W  
FOUND ALUM. CAP  
NUMBER ILLEGIBLE

S 89°33'24" W  
1316.14' (M)

S 89°34'34" W  
1315.90' (M)

S 89°32'41" W  
2632.43' (M)

W. 1/16 COR.  
SEC. 35, T1N, R67W &  
SEC. 2, T15, R67W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 37890

24°37" 8°00"



## 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 1836  
8/19/15

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 S00°33'34"E, 9613' FROM THE HEEL LOCATION.

## WELL PAD - PUMA 4C-14HZ

PUMA FED 34C-35HZ  
WELL LOCATION CERTIFICATE  
290' FSL & 631' FWL SWSW (SURFACE)  
LOCATED IN SECTION 23  
340' FNL & 510' FWL NWNW (HEEL)  
LOCATED IN SECTION 26  
606' FSL & 492' FWL SWSW (BOTTOM)  
LOCATED IN SECTION 35  
T1N, R67W, 6TH P.M.  
WELD COUNTY, COLORADO

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



## CONSULTING, LLC

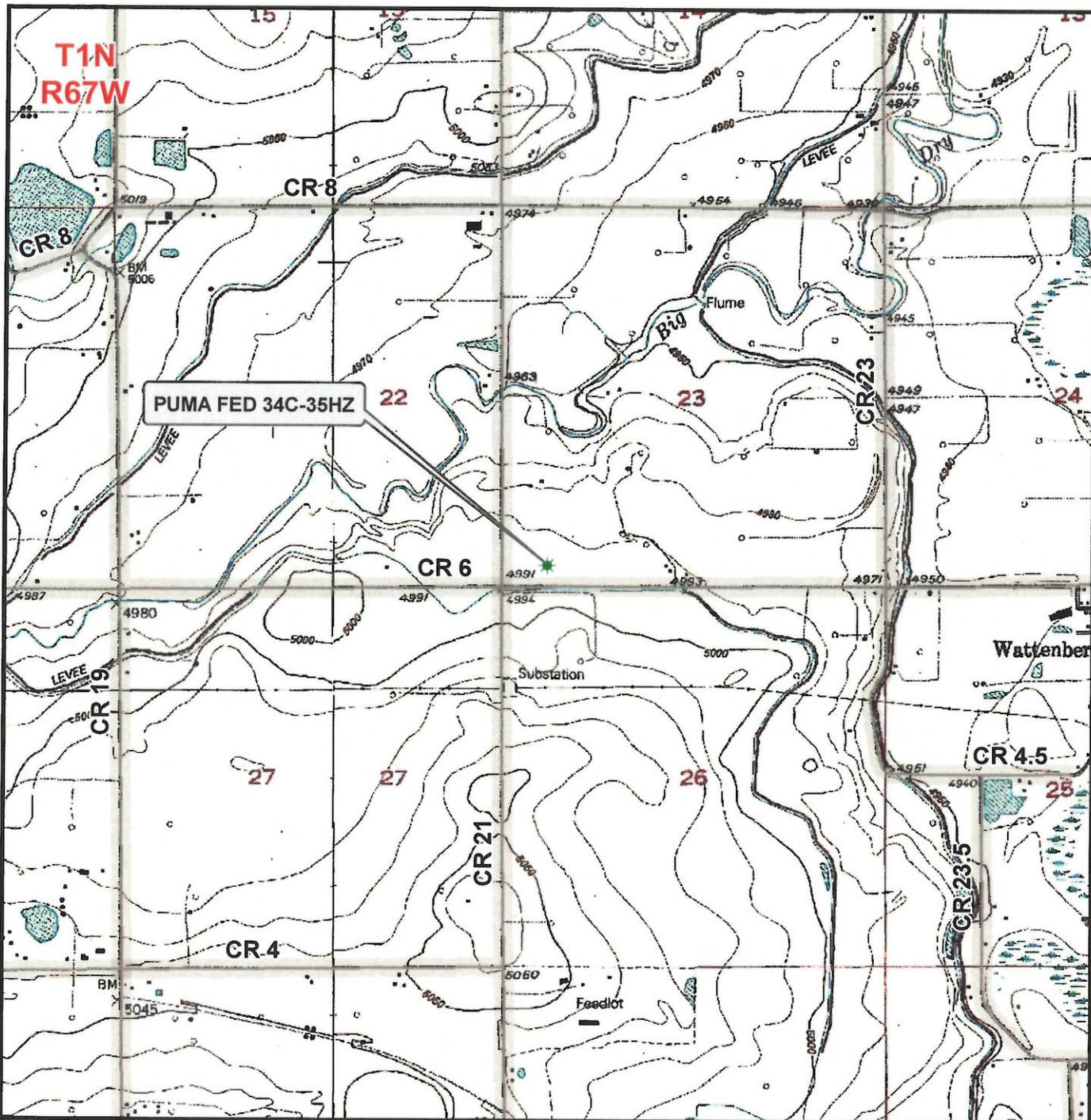
SHERIDAN OFFICE  
1095 Saberton Avenue  
Sheridan, Wyoming 82801  
Phone 307-674-0609

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

DRAFTED BY:	LMO	CHECKED BY:	BJR	SHEET NO:
DATE DRAFTED:	8/19/15	DATE SURVEYED:	5/7/15	<b>1B</b>
REVISED:		FILE NAME:	15-42	

1B OF 1

K:\ANADARKO\2015\2015\_42\_FLIP\_FLOP\_MEESE\_T1N\_R67W\_23\GIS\Maps\_ABC\Puma 4C-14HZ\PumaFed 34C-35HZ.mxd 8/20/2015 10:45:19 AM



**Legend**

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

**WELL PAD - PUMA 4C-14HZ**  
**GENERAL LOCATION MAP**  
**PUMA FED 34C-35HZ**  
 LOCATED IN SECTION 23  
 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 Foxtail Drive, Suite 204  
 Loveland, Colorado 80538  
 Phone 970-776-4331

SCALE: 1" = 2,000ft	NAD83 CO-Nft
DRAWN: JELo	DATE: 31 July 2015
REVISED:	DATE: