



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

March 17, 2014

Department of Natural Resources  
Oil and Gas Conservation Commission  
The Chancery Building  
1120 Lincoln St., Suite 801  
Denver, CO 80203

Re: Operator Request Letter to Rule 318A.m  
FRONT RANGE FARMS 15N-14HZ  
Township 1 North, Range 68 West  
Section 11: NW  $\frac{1}{4}$  SE  $\frac{1}{4}$   
Weld County, Colorado

Ladies/Gentlemen:

Kerr-McGee Oil & Gas Onshore LP (KMG) is making application for a drilling permit for the above captioned well. As currently planned, the wellbore(s) of the following well(s) listed in Section 1 will lie within 150 feet of the horizontal lateral of the captioned well.

## SECTION 1:

1. 05-014-20712                      BURY CRANDELL 6-0-23                      Encana Oil & Gas (USA) Inc.

As currently planned, the wellbore(s) of the following well(s) listed in Section 2 will lie within 150 feet of the captioned well (but greater than 150 feet from the horizontal section of the captioned well).

## SECTION 2:

1. NO WELLS

Prior to drilling operations, Operator will perform an anti-collision review of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision review may include MWD or gyro surveys and surface locations of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottom hole location. The proposed well will only be drilled if the anti-collision review results indicate that the risk of collision is

sufficiently low as defined by the anti-collision plan, with separation factors greater than 1.5, or if the risk of collision has been mitigated through other means including shutting in wells, plugging wells, increased drilling fluid in the event of lost returns or as is appropriate for the specific situation. In the event of an increased risk of collision, that risk will be mitigated to prevent harm to people, the environment or property. For the proposed well, upon conclusion of drilling operations, an as-constructed directional survey will be submitted to COGCC with the Form 5.

Rule 318A.m of the Colorado Oil and Gas Commission's Rules and Regulations does not allow the lateral of a horizontal well to be drilled within 150 feet of other wells unless this requirement is waived by the Operator of the encroached-upon well(s). KMG is the Operator of the encroached-upon well(s).

KMG respectfully requests the Director to accept this Operator Request Letter to allow the lateral of the above referenced well to be drilled within 150 feet of the well(s) listed in Section 1 above.

Very truly yours,

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



Lauren Kucera  
Regulatory Analyst II



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

March 24, 2014

EnCana Oil & Gas Inc.  
370 17<sup>th</sup> Street, Suite 1700  
Denver, CO 80202

Re: FRONT RANGE FARMS 15N-14HZ  
Township 1 North, Range 68 West, 6<sup>th</sup> P.M.  
Section 11  
Weld County, Colorado

Dear Sir/Madam:

Kerr-McGee Oil & Gas Onshore LP is applying for a permit to drill the captioned horizontal well. Pursuant to Rule 318A.m, the COGCC requires that operators proposing horizontal wells obtain waivers from operators of wells within 150 feet of the proposed horizontal wellbore.

As currently planned, the wellbores of the following well(s) which are operated by EnCana Oil and Gas Inc. lie within 150 feet of the horizontal lateral of the captioned well:

1) BURY CRANDELL 6-0-23

05-014-20712

If EnCana Oil and Gas Inc. is in agreement to waive Rule 318A.m., please sign in the space provided below and return one original copy to the undersigned.

**KERR-MCGEE OIL & GAS ONSHORE LP**  
A wholly owned subsidiary of Anadarko Petroleum Corporation

Sincerely,

Lauren Kucera  
Regulatory Analyst II

Enclosure: Survey plat

FRONT RANGE FARMS 15N-14HZ

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As operator of the above referenced well(s) lying within 150 feet of the wellbore of the above captioned well, EnCana Oil and Gas Inc. hereby waives the one hundred and fifty foot (150') minimum intrawell distance as specified in COGCC Rule 318A.m.

Accepted and agreed to this 26<sup>th</sup> day of MARCH, 2014.

EnCana Oil and Gas Inc.

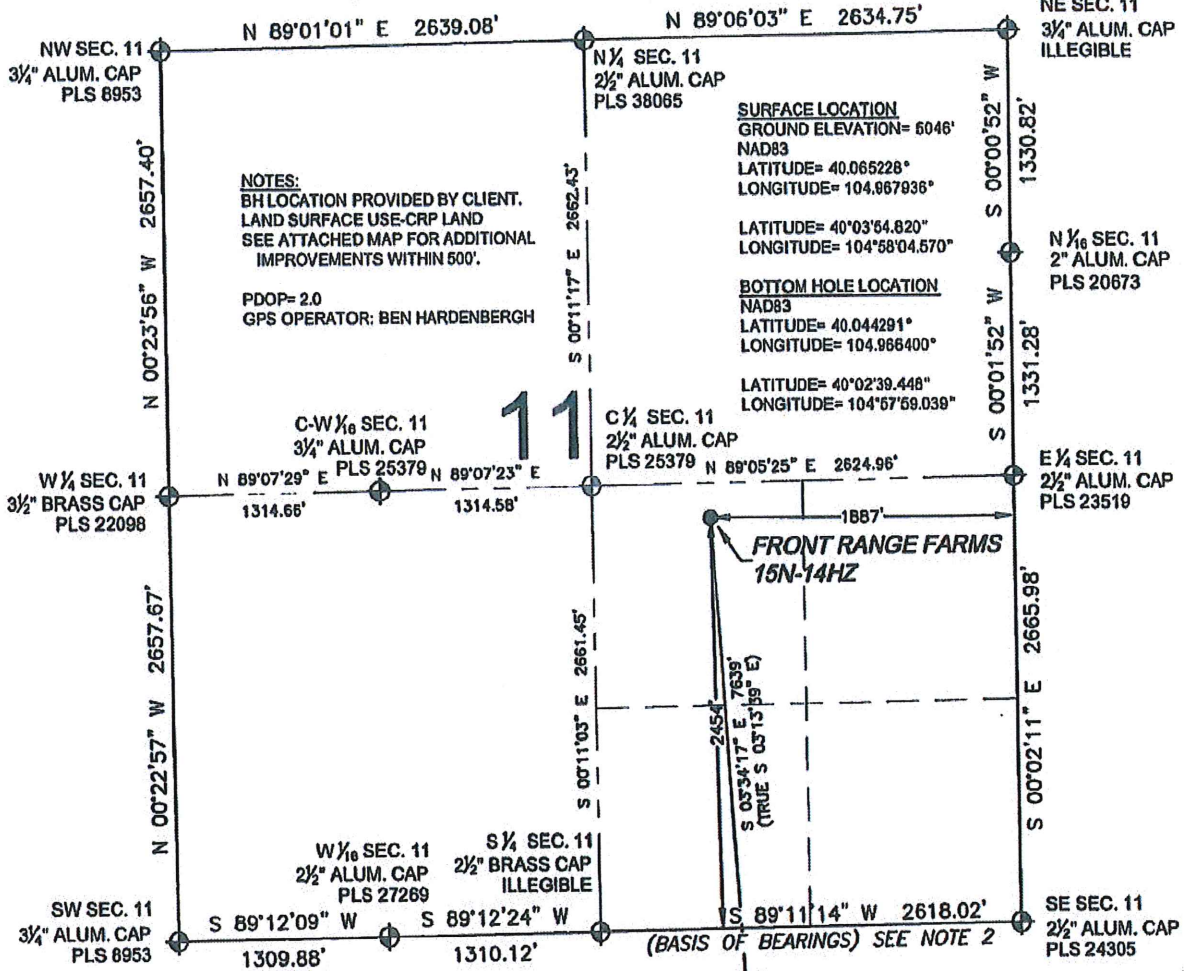


By: ANDREW BERGHOST

Title: AS PRODUCTION MANAGER

# WELL LOCATION CERTIFICATE: FRONT RANGE FARMS 15N-14HZ

SECTION 11, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M.



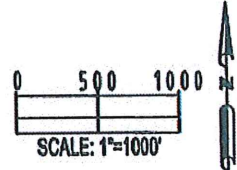
WELL FRONT RANGE FARMS 15N-14HZ  
TO BE LOCATED 2454' FSL AND 1887' FEL

**LEGEND**

- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- ⊕ = BOTTOM HOLE
- ⊙ = EXISTING WELL

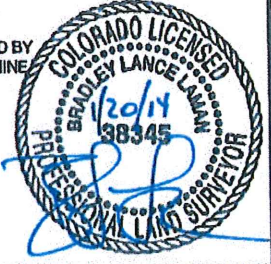
- NOTES:**
- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
  - BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
  - GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, BRADLEY L. LAMAN, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **KERR-MCGEE OIL & GAS ONSHORE LP**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. 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.



SHEET 1 OF 2

BRADLEY L. LAMAN, PLS 38345  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC

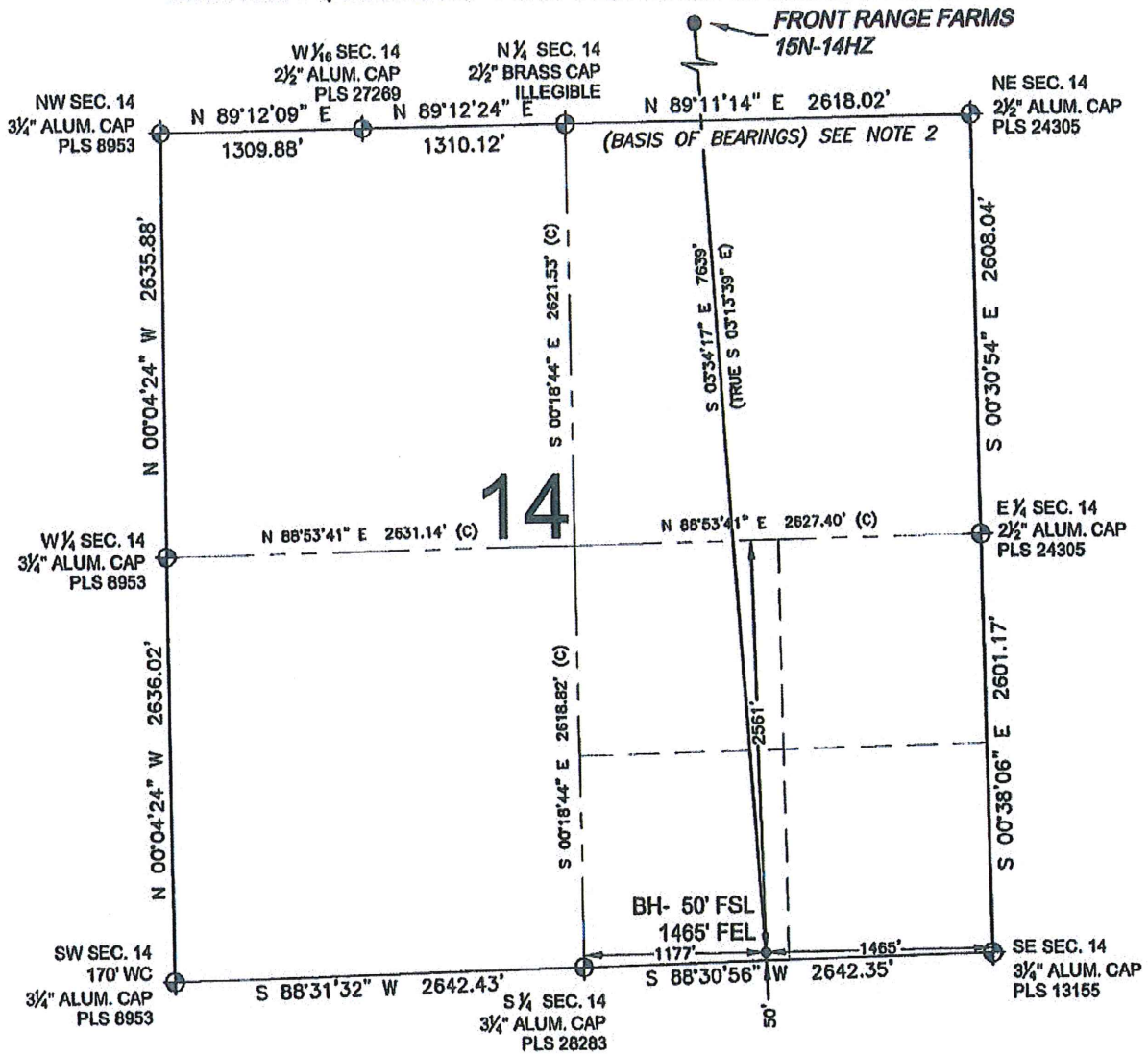


PREPARED BY: PFS Petroleum Field Services, LLC 1634 Hilltop Circle Denver, CO 80221	FIELD DATE: 01-10-14	SURFACE LOCATION: NW 1/4 SE 1/4, SEC. 11, T1N, R68W, 6TH P.M.
	DRAWING DATE: 01-13-14	WELD COUNTY, COLORADO
BY: SMF	CHECKED: JAH	

NOTICE: ACCORDING TO COLORADO 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 THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

# WELL LOCATION CERTIFICATE: FRONT RANGE FARMS 15N-14HZ

SECTION 14, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M.



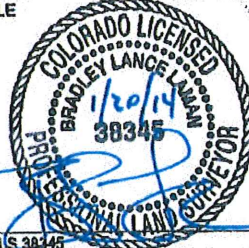
14

### LEGEND

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- ⊙ = PROPOSED WELL
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3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.



BRADLEY L. LAMAN, PLS 38345  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 SHEET 2 OF 2 FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY: PFS PROFESSIONAL FIELD SERVICES, LLC 7540 Hilltop Circle Denver, CO 80221	FIELD DATE: 01-10-14	SURFACE LOCATION: NW 1/4 SE 1/4, SEC. 11, T1N, R68W, 6TH P.M. WELD COUNTY, COLORADO
	DRAWING DATE: 01-13-14	BY: SMF CHECKED: JAH

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