



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

November 20, 2012

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

Re: **30 Day Certification Letter - 318A-e**  
CANNON 15N-3HZ  
Township 2 North, Range 66 West, Section 3: NE/4NE/4  
Unit Spacing: 02N-66W-3 W/2E/2  
Weld County, Colorado

Ladies/Gentlemen:

Kerr-McGee Oil and Gas Onshore LP ("KMG") hereby certifies to the Director that a thirty (30) day notice has been given by certified mail to all 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 requests the Director to approve the 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 'Lauren Kucera'.

**Lauren Kucera**  
**Regulatory Analyst I**

Enclosure

# SPACING UNIT MAP

## WELL LOCATION CERTIFICATE: CANNON 15N-3HZ

SECTION 3, TOWNSHIP 2 NORTH, RANGE 66 WEST, 6TH P.M.

NW SEC. 3  
3/4" ALUM. CAP  
PLS 13155

N 1/4 SEC. 3  
3/4" ALUM. CAP  
PLS 13155

NE SEC. 3  
2 1/2" ALUM. CAP  
PLS 19585

N 88°59'30" E 2649.12'

N 88°58'47" E 2648.84'

N 00°24'43" W 2607.83'

S 00°11'49" E (C) 2640.07'

S 00°24'43" E 2631.62'

NOTES:  
BH LOCATION PROVIDED BY CLIENT.  
LAND SURFACE USE-RANGELAND  
SEE ATTACHED MAP FOR ADDITIONAL  
IMPROVEMENTS WITHIN 400'.

PDOP= 1.6  
GPS OPERATOR: OWEN MCKEE

W 1/4 SEC. 3  
1 1/2" BRASS CAP  
PSC ROW

N 89°41'20" E (C) 2639.07'

N 88°48'02" E (C) 2658.84'

E 1/4 SEC. 3  
3/4" ALUM. CAP  
PLS 17508

(BASIS OF BEARINGS) SEE NOTE 3  
N 00°25'38" E 2677.95'

SURFACE LOCATION  
GROUND ELEVATION= 5022'  
NAD83  
LATITUDE= 40.173016°  
LONGITUDE= 104.757009°

LATITUDE= 40°10'22.857"  
LONGITUDE= 104°45'25.231"

BOTTOM HOLE LOCATION  
NAD83  
LATITUDE= 40.161182°  
LONGITUDE= 104.760358°

LATITUDE= 40°09'40.256"  
LONGITUDE= 104°45'37.288"

SW SEC. 3  
W.C. 115.89' WEST  
LS 13155

S 88°52'48" W 5337.16'

SE SEC. 3  
3/4" ALUM. CAP  
PLS 13155

WELL CANNON 15N-3HZ TO BE LOCATED 516' FNL AND 904' FEL

### LEGEND

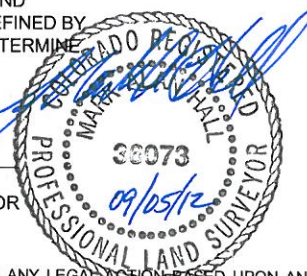
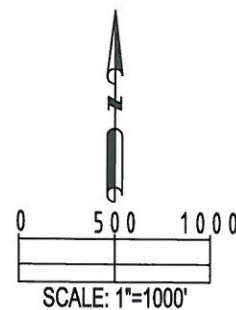
● = EXISTING MONUMENT    ♦ = BOTTOM HOLE    BH = BOTTOM HOLE  
● = PROPOSED WELL    ♦ = EXISTING WELL    ⊕ = CORNER NO MONUMENT

### NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
3. THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED MONUMENTS SHOWN HEREON.
4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, 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.

MARK A. HALL, PLS 36073  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



<b>PREPARED BY:</b>  Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	<b>FIELD DATE:</b> 07-12-12	<b>SURFACE LOCATION:</b> NE 1/4 NE 1/4, SEC. 3, T2N, R66W, 6TH P.M.
	<b>DRAWING DATE:</b> 09-04-12	WELD COUNTY, COLORADO
<b>BY:</b> WCL	<b>CHECKED:</b> TJN	

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.