



October 25, 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**  
**BROTEMARKLE 4C-13HZ**  
Township 3 North, Range 66 West, Section 13: SE/4SW/4  
Unit Spacing: 03N-66W-13 W/2W/2; Sec 14 E/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 cursive script that reads 'Rebecca Heim'.

**Rebecca Heim**  
**Regulatory Analyst II**

# PROPOSED SPACING UNIT

## T3N, R66W

NW. COR.  
SEC. 13, T3N, R66W  
FOUND BRASS CAP  
STAMPED "NHPQ"  
NUMBER ILLEGIBLE

NE. COR.  
SEC. 13, T3N, R66W  
FOUND ALUM. CAP  
L.S. NO. 33642

S 88°17'30" W 5322.03' (M)

170'  
460'  
1160'  
2490'  
859'  
2178'  
N 00°36'24" W 2638.31' (M)  
BOTTOM OF HOLE  
N 15°53'18" W 4654' GRID  
N 15°23'26" W TRUE  
N 24°35'18" W MAGNETIC  
N 00°44'43" W 2624.62' (M)  
1391'  
294'

W. 1/4 COR.  
SEC. 13, T3N, R66W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 12330

S 88°17'55" W  
2660.70' (M)

SURFACE LOCATION  
NAD 83  
STPC (CO NORTH)  
N: 1,323,478'  
E: 3,215,085'  
Lat: 40.218780°N  
(40° 13' 07.608"N)  
Lon: 104.729780°W  
(104° 43' 47.207"W)

E. 1/4 COR.  
SEC. 13, T3N, R66W  
FOUND 3 1/2" ALUM. CAP  
L.S. NO. 10372

BOTTOM HOLE  
NAD 83  
STPC (CO NORTH)  
N: 1,327,954'  
E: 3,213,811'  
Lat: 40.231097°N  
(40° 13' 51.951"N)  
Lon: 104.734204°W  
(104° 44' 03.133"W)

BROTEMARKLE 4C-13HZ  
UNGRADED ELEV = 5024.5'  
SURFACE LOCATION

S 88°27'23" W 5307.82' (M)

SW. COR.  
SEC. 13, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 4392

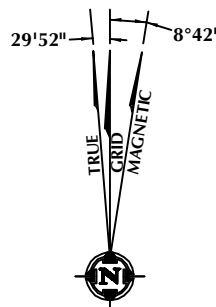
SE. COR.  
SEC. 13, T3N, R66W  
FOUND 3 1/2" ALUM. CAP  
L.S. NO. 12330

### 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 14305  
5/4/12

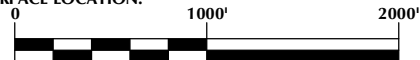
NOTICE:  
ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE ON THE CERTIFICATION SHOWN HEREON.



NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 5/1/2012.  
MAGNETIC NORTH CHANGES WEST 0°08' PER YEAR.

### NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD83 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972118
- OPERATOR: ROB WILSON / PDOP = 2.4
- SURFACE USE OF LOCATION IS RANGELAND.
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 400' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF HOLE BEARS N15°53'18"W 4654' FROM THE SURFACE LOCATION.



SCALE: 1" = 1000'

### WELL PAD - BROTEMARKLE 4N-13HZ SESW

BROTEMARKLE 4C-13HZ  
WELL LOCATION CERTIFICATE  
294' FSL & 1391' FWL SESW (SURFACE)  
460' FNL & 170' FWL NWNW (BOTTOM)  
LOCATED IN SECTION 13  
T3N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

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



CONSULTING, LLC  
2155 North Main Street  
Sheridan, Wyoming 82801  
Phone 307-674-0609  
Fax 307-674-0182

DRAFTED BY:	APF	CHECKED BY:	BJR
DATE DRAFTED:	5/4/12	DATE SURVEYED:	4/18/12
REVISED:		FILE NAME:	12-29