



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 29N-13HZ
Township 3 North, Range 66 West, Section 13: SE/4SW/4
Unit Spacing: 03N-66W-13 W/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, appearing to read '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

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

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

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 48305

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.

WELL PAD - BROTEMARKLE 4N-13HZ SESW

BROTEMARKLE 29N-13HZ
WELL LOCATION CERTIFICATE
293' FSL & 1421' FWL SESW (SURFACE)
460' FNL & 1160' 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

S 88°17'30" W 5322.03' (M)

1160'

460'

170'

1500'

BOTTOM
OF HOLE

859'

2178'

S 88°17'55" W
2660.70' (M)

N 03°59'27" W 4517' GRID
N 03°29'35" W TRUE
N 12°41'27" W MAGNETIC

13

SURFACE LOCATION

NAD 83
STPC (CO NORTH)
N: 1,323,478'
E: 3,215,115'
Lat: 40.218779°N
(40° 13' 07.605"N)
Lon: 104.729672°W
(104° 43' 46.820"W)

BOTTOM HOLE

NAD 83
STPC (CO NORTH)
N: 1,327,983'
E: 3,214,801'
Lat: 40.231155°N
(40° 13' 52.158"N)
Lon: 104.730658°W
(104° 43' 50.369"W)

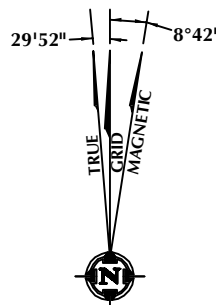
BROTEMARKLE 29N-13HZ

UNGRADED ELEV = 5025.9'
SURFACE LOCATION

1421'

462'

S 88°27'23" W 5307.82' (M)



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: .99972118
- OPERATOR: ROB WILSON / PDOP = 3.1
- 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 N03°59'27"W 4517' FROM THE SURFACE LOCATION.



SCALE: 1" = 1000'