



## Kerr-McGee Oil & Gas Onshore LP

1099 18th Street, Suite 1800  
Denver, CO 80202-1918  
P.O. Box 173779  
Denver, CO 80217-3779  
720-929-6000

January 3, 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**  
WARDELL 27C-29HZ  
Township 3 North, Range 65 West, Section 29: SE/4SE/4  
Unit Spacing: 03N-65W-29 E/2  
Weld County, Colorado

Ladies/Gentlemen:

Kerr McGee Oil and Gas Onshore LP ("KMG") hereby certify to the Director that KMG owns one-hundred percent (100%) of the mineral rights in the proposed spacing unit. Therefore, KMG respectfully 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, appearing to read "Rebecca Heim".

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

# WELL LOCATION CERTIFICATE: WARDELL 27C-29HZ

SECTION 29, TOWNSHIP 3 NORTH, RANGE 65 WEST, 6TH P.M.

NW SEC. 29  
3/4" ALUM. CAP  
PLS 10855  
30' W.C.

N 89°03'08" E 2635.74'

N 89°03'20" E 2635.73'

NE SEC. 29  
2 1/2" ALUM. CAP  
PLS 23501

N 1/4 SEC. 29  
3/4" ALUM. CAP  
PLS 33642

BH- 460' FNL  
1105' FEL

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

PDOP= 2.4  
GPS OPERATOR: OWEN MCKEE

N 00°42'50" W 2637.69'

S 00°30'33" E 2656.04'

W 1/4 SEC. 29  
3/4" ALUM. CAP  
PLS 10855  
30' W.C.

29

E 1/4 SEC. 29  
3/4" ALUM. CAP  
PLS 30120

**SURFACE LOCATION**  
GROUND ELEVATION= 4870'  
NAD83  
LATITUDE= 40.190185°  
LONGITUDE= 104.682507°

LATITUDE= 40°11'24.665"  
LONGITUDE= 104°40'57.027"

**BOTTOM HOLE LOCATION**  
NAD83  
LATITUDE= 40.202426°  
LONGITUDE= 104.681866°

LATITUDE= 40°12'08.735"  
LONGITUDE= 104°40'54.719"

S 1/4 SEC. 29  
3/4" ALUM. CAP  
ILLEGIBLE

WARDELL  
27C-29HZ

N 01°46'18" E 4463'  
(TRUE N 02°17'58" E)

S 00°31'53" E 2643.71'  
(BASIS OF BEARINGS) SEE NOTE 3

SW SEC. 29  
2 1/2" ALUM. CAP  
PLS 20671

S 89°35'27" W 2626.52'

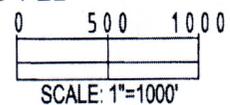
S 89°33'42" W 2627.03'

SE SEC. 29  
2 1/2" ALUM. CAP  
PLS 23501

WELL WARDELL 27C-29HZ TO BE LOCATED 370' FSL AND 1283' FEL

## LEGEND

- ⊙ = EXISTING MONUMENT
- ⬤ = PROPOSED WELL
- ⬤ = BOTTOM HOLE
- ⬤ = EXISTING WELL
- BH = BOTTOM HOLE



## NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- 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
- THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
- 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



PREPARED BY: Petroleum Field Services, LLC 1801 W. 138th Ave. Denver, CO 80254	FIELD DATE: 10-10-11	SURFACE LOCATION: SE 1/4 SE 1/4,
	DRAWING DATE: 10-15-11	SEC. 29, T3N, R65W, 6TH P.M.
BY: SMF	WELD COUNTY, COLORADO	

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.