



August 8, 2011

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

Re: **20 Day Certification Letter - 318A-e**  
BARCLAY 4C-27HZ  
Township 3 North, Range 66 West, Section 27: SW/4SW/4  
Unit Spacing: 03N-66W-27 W/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 that reads 'Rebecca Heim'.

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



**T3N, R66W**

NW. COR.  
SEC. 27, T3N, R66W,  
FOUND 3 1/4" ALUM. CAP  
LS 13155

NE. COR.  
SEC. 27, T3N, R66W,  
FOUND 3 1/4" ALUM. CAP  
LS 27269

S 88°54'40" W 5357.58' (M)

865'  
460'  
N 00°53'51" W 2621.38' (M)  
N 04°07'07" E 4131' GRID  
N 04°35'07" E TRUE  
N 04°42'53" W MAGNETIC  
BOTTOM OF HOLE

**SURFACE POSITION**  
NAD 83  
STPC (CO NORTH)  
N: 1,313,175'  
E: 3,203,648'  
Lat: 40° 11' 26.750"N  
(40.190764°N)  
Lon: 104° 46' 15.731"W  
(104.771037°W)

**BOTTOM HOLE**  
NAD 83  
STPC (CO NORTH)  
N: 1,317,295'  
E: 3,203,945'  
Lat: 40° 12' 07.441"N  
(40.202067°N)  
Lon: 104° 46' 11.471"W  
(104.769853°W)

**SURFACE POSITION**  
NAD 27  
STPC (CO NORTH)  
N: 313,177'  
E: 2,203,800'  
Lat: 40° 11' 26.812"N  
(40.190781°N)  
Lon: 104° 46' 13.841"W  
(104.770511°W)

**BOTTOM HOLE**  
NAD 27  
STPC (CO NORTH)  
N: 317,297'  
E: 2,204,097'  
Lat: 40° 12' 07.504"N  
(40.202084°N)  
Lon: 104° 46' 09.581"W  
(104.769328°W)

**27**

W. 1/4 COR.  
SEC. 27, T3N, R66W,  
FOUND 3 1/4" ALUM. CAP  
LS 13155

N 00°53'19" W 2666.70' (M)

**BARCLAY 4C-27HZ**

UNGRADED ELEV= 4963.6'  
SURFACE POSITION

S. 1/4 COR.  
SEC. 27, T3N, R66W,  
SET ALUM. CAP  
LS 38230

SW. COR.  
SEC. 27, T3N, R66W,  
FOUND 3 1/4" ALUM. CAP  
LS 13155

S 88°52'22" W 2661.88' (M)

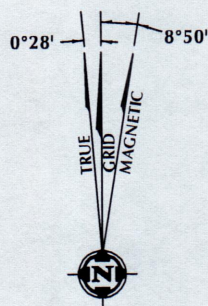
S 88°51'37" W 2662.11' (M)

SE. COR.  
SEC. 27, T3N, R66W,  
FOUND 3 1/4" ALUM. CAP  
LS 13155

**CERTIFICATE OF SURVEYOR:**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS 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.R.S. 38-50-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

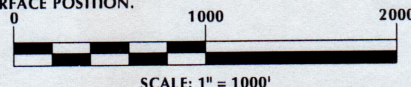
JOHN R. SLAUGH  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 38230



NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 7/14/2011.  
MAGNETIC NORTH CHANGES WEST 0°08' PER YEAR.

**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: .99972326
- OPERATOR: ROB WILSON / PDOP = 1.7
- SURFACE USE OF LOCATION IS RANGE LAND.
- 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 N04°07'07"E, 4131' FROM THE SURFACE POSITION.



**WELL PAD - BARCLAY 13-27**

BARCLAY 4C-27HZ  
WELL LOCATION CERTIFICATE  
460' FNL & 865' FWL (BOTTOM HOLE)  
NW1/4 NW1/4, SECTION 27  
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: SEA

DATE DRAFTED: 7/14/11

REVISED:

CHECKED BY: JRS

DATE SURVEYED: 6/30/11

FILE NAME: 11-40



The map displays the Denver area with various rail lines and infrastructure. Key locations and features include:

- Highways:** I-70, I-25, I-76, I-225, I-275, I-270, I-260, I-240, I-230, I-220, I-210, I-200, I-190, I-180, I-170, I-160, I-150, I-140, I-130, I-120, I-110, I-100, I-90, I-80, I-70, I-60, I-50, I-40, I-30, I-20, I-10, I-0.
- Rail Lines:** UPRR, BNSF, COG, etc.
- Locations:** Denver, Aurora, Lakewood, Westminster, Thornton, Arapahoe, Adams, Jefferson, and Boulder.
- Rail Yards and Stations:** Union Station, Denver Union Station, and the Denver International Airport.
- Map Features:** Scale bar, north arrow, and color-coded rail lines.



**This 1/4 Section has less than 8 bottom hole wells producing from the Codell, Niobrara & J Sand Formations.**