



July 5, 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**  
HOWARD 24N-29HZ  
Township 1 North, Range 67 West, Section 32: SW/4NE/4  
Unit Spacing: 01N-67W-29 SE/4; 01N-67W-32 NE/4  
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**

Enclosure

# WELL LOCATION CERTIFICATE: HOWARD 24N-29HZ

SECTION 32, TOWNSHIP 1 NORTH, RANGE 67 WEST, 6TH P.M.

NE SEC. 29  
FOUND  
#6 REBAR

W ¼ SEC. 29  
¾" ALUM. CAP  
ILLEGIBLE

N 00°37'40" W 2634.76'

## 29

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

PDOP= 2.2  
GPS OPERATOR: OWEN MCKEE

BH- 2180' FSL  
1120' FEL

S 00°43'59" E 5274.46'

N 04°22'54" E 4687'  
(TRUE N 04°45'40" E)

NW SEC. 32  
2½" ALUM. CAP  
LS 22097

N 89°35'46" E 2643.69'

N 89°35'32" E 2656.14'

NE SEC. 32  
¾" ALUM. CAP  
LS 10377

**SURFACE LOCATION**  
GROUND ELEVATION= 5057'  
NAD83  
LATITUDE= 40.007998°  
LONGITUDE= 104.910299°

LATITUDE= 40°00'28.793"  
LONGITUDE= 104°54'37.077"

**BOTTOM HOLE LOCATION**  
NAD83  
LATITUDE= 40.020820°  
LONGITUDE= 104.908910°

LATITUDE= 40°01'14.954"  
LONGITUDE= 104°54'32.074"

## 32

HOWARD  
24N-29HZ

(BASIS OF BEARINGS) SEE NOTE 3

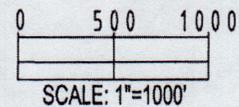
E ½ SEC. 32  
2½" ALUM. CAP  
LS 12374

WELL HOWARD 24N-29HZ TO BE LOCATED 2491' FNL AND 1525' FEL

SW SEC. 32  
2½" ALUM. CAP  
ILLEGIBLE

**LEGEND**

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



**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 THE MONUMENTS SHOWN HEREON.
4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, STEVEN D. PARKER, 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.

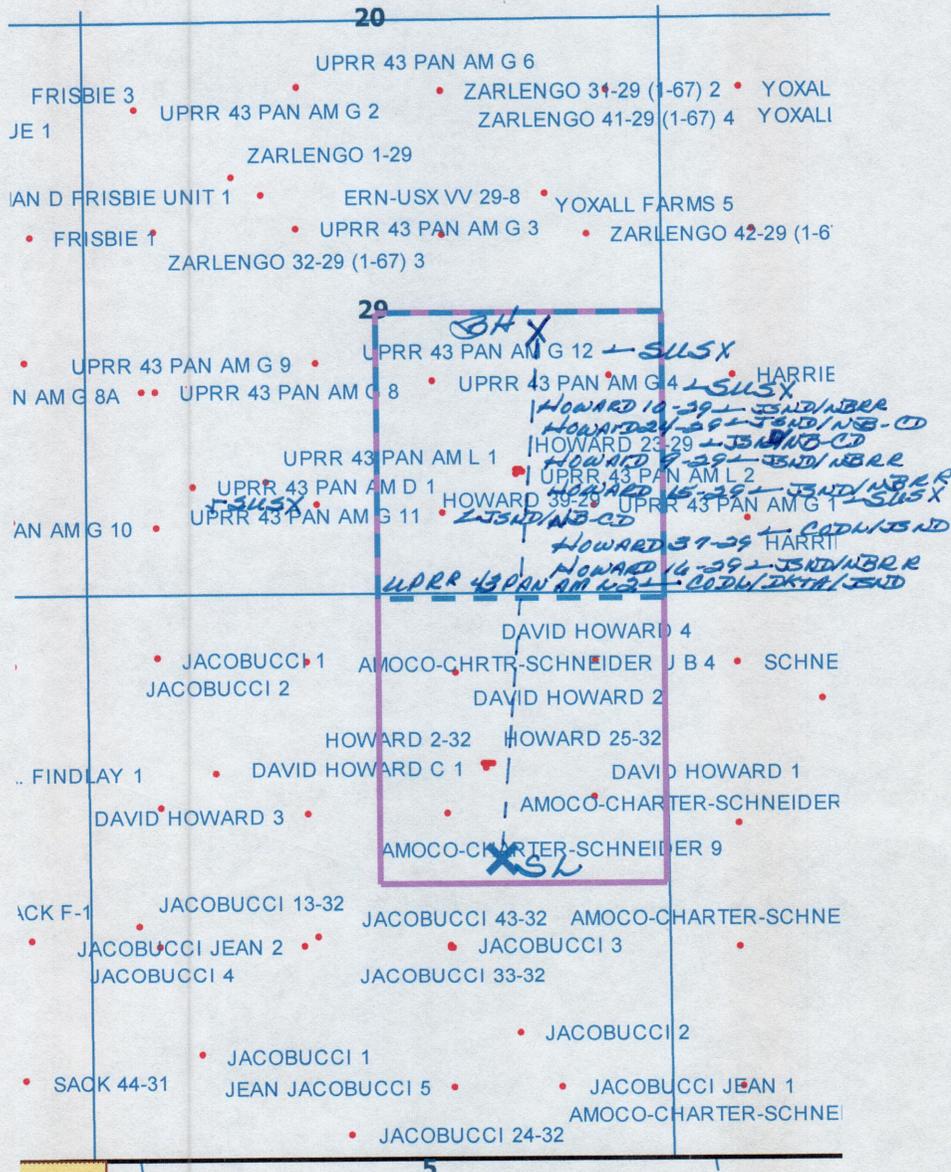


STEVEN D. PARKER, PLS 38053  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC

PREPARED BY: 	FIELD DATE: 03-17-11	SURFACE LOCATION:
	DRAWING DATE: 03-24-11	SW 1/4 NE 1/4, SEC. 32, T1N, R67W
	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.

# HOWARD 24N-29HZ SWNE Sec. 32 T1N-R67W



## LEGEND



Proposed 160 acre Spacing Unit (Solid line).



Bottom Hole Located NE/4SE/4, Sec. 29-T1N-R67W (Dashed line).

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