



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18th Street
Denver, CO 80202
720-929-6000

July 16, 2013

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**
Pettinger 4NE-18HZ
Township 1 North, Range 65 West, Section 18: SW/4SW/4
Unit Spacing: 01N-65W-Sec 7 S/2SW/4
01N-65W-Sec 18 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, reading 'Lauren Kucera'.

Lauren Kucera
Regulatory Analyst II

WELL LOCATION CERTIFICATE: PETTINGER 4NE-18HZ

SECTION 18, TOWNSHIP 1 NORTH, RANGE 65 WEST, 6TH P.M.

NW SEC. 18
2" ALUM. CAP
PLS 25937N 88°49'44" E 2653.25'
1100'
BH- 1' FNL
1100' FWLN 88°49'55" E 2651.68'
N ¼ SEC. 18
3 ¾" ALUM. CAP
PLS 25937NE SEC. 18
2" ALUM. CAP
PLS 25937**NOTES:**
BH LOCATION PROVIDED BY CLIENT.
LAND SURFACE USE-IRRIGATED CROP
SEE ATTACHED MAP FOR ADDITIONAL
IMPROVEMENTS WITHIN 400'.PDOP= 1.6
GPS OPERATOR: OWEN MCKEE**18**W ¼ SEC. 18
3 ¾" ALUM. CAP
PLS 27269

N 88°57'07" E 2654.66'

N 88°57'33" E 2651.89'

E ¼ SEC. 18
3 ¾" ALUM. CAP
PLS 27269C ¼ SEC. 18
2 ½" ALUM. CAP
PLS 29414**SURFACE LOCATION**
GROUND ELEVATION= 5007'
NAD83
LATITUDE= 40.044890°
LONGITUDE= 104.712434°LATITUDE= 40°02'41.604"
LONGITUDE= 104°42'44.763"**BOTTOM HOLE LOCATION**
NAD83
LATITUDE= 40.058628°
LONGITUDE= 104.712064°LATITUDE= 40°03'31.060"
LONGITUDE= 104°42'43.429"S ¼ SEC. 18
2 ½" ALUM. CAP
PLS 28656SE SEC. 18
2" ALUM. CAP
PLS 25937

(BASIS OF BEARINGS) SEE NOTE 3

**PETTINGER
4NE-18HZ**SW SEC. 18
2 ½" ALUM. CAP
PLS 28656

S 89°06'17" W 2657.50'

S 88°59'28" W 2652.25'

WELL PETTINGER 4NE-18HZ TO BE LOCATED 283' FSL AND 1010' FWL**LEGEND**

= EXISTING MONUMENT
 = BOTTOM HOLE
 BH = BOTTOM HOLE
 = PROPOSED WELL
 = EXISTING WELL

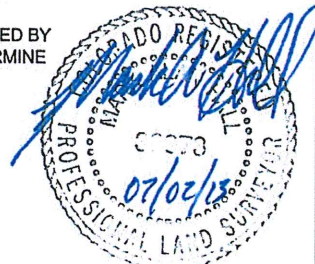
0 500 1000
SCALE: 1"=1000'

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 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:



FIELD DATE:

03-18-13

DRAWING DATE:

06-28-13

BY:

CLM

CHECKED:

TJN

SURFACE LOCATION:

SW 1/4 SW 1/4,

SEC. 18, T1N, R65W, 6TH P.M.

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.