



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

April 18, 2016

Matt Lepore
Director, Colorado Oil and Gas Conservation Commission
Department of Natural Resources
The Chancery Building
1120 Lincoln Street, Suite 801
Denver, CO 80203

Re: **30 Day Certification Letter - 318A.e**
NORDEN 1C-14HZ (Doc No. 401031495)
Township 1 North, Range 67 West
Section 14: SWSE
Unit Acreage: 200 acres
Unit Spacing: 01N67W Sec 14 E2E2
01N67W Sec 11 SESE
Weld County, Colorado

Dear Director Lepore:

Kerr McGee Oil and Gas Onshore LP ("KMG") hereby certifies that KMG owns one hundred percent (100%) of the leasehold interest in the mineral rights in the proposed spacing unit. KMG hereby respectfully requests approval of this boundary well.

If you have any questions or issues regarding this permit, please contact our office.

Sincerely,

Kerr-McGee Oil and Gas Onshore LP

A handwritten signature in black ink that reads "Shayelyn Marshall".

Shayelyn Marshall
Regulatory Analyst I

Enclosure

PROPOSED SPACING UNIT

T1N, R67W

N. 1/4 COR.
SEC. 14, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

BOTTOM OF HOLE:
50' FNL & 486' FEL

NE COR.
SEC. 14, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

NW COR.
SEC. 14, T1N, R67W
FOUND 2" ALUM. CAP
NUMBER ILLEGIBLE

N. 1/16 COR.
SEC. 14 & SEC. 15
T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

W. 1/4 COR.
SEC. 14, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

S. 1/16 COR.
SEC. 14 & SEC. 15
T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

SW COR.
SEC. 14, T1N, R67W
FOUND 2 1/2" ALUM. CAP
NUMBER ILLEGIBLE

14

NORDEN 1C-14HZ
SURFACE LOCATION

S. 1/4 COR.
SEC. 14, T1N, R67W
FOUND 2" ALUM. CAP
NUMBER ILLEGIBLE

E. 1/4 COR.
SEC. 14, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

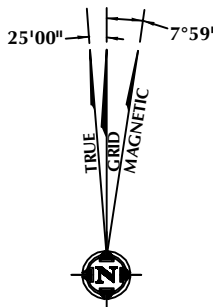
SE COR.
SEC. 14, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4951.0'
LATITUDE= 40.045020°
LONGITUDE= -104.854998°
LATITUDE= 40°02'42.074"
LONGITUDE= -104°51'17.994"
HEEL LOCATION: NAD 83
LATITUDE= 40.045995°
LONGITUDE= -104.850237°
LATITUDE= 40°02'45.581"
LONGITUDE= -104°51'00.853"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.058166°
LONGITUDE= -104.850270°
LATITUDE= 40°03'29.398"
LONGITUDE= -104°51'00.972"

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.R.S. 38-51-302 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

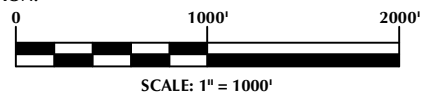
Jacob I. Dunham
JACOB I. DUNHAM
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 18459



NOTE:
MAGNETIC NORTH IS CURRENT AS OF 11/13/2015.
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

NOTES:

- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID12B)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972975
- OPERATOR: ROB WILSON / PDOP = 1.4
- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF HOLE BEARS N00°32'21"W, 4434' FROM THE HEEL LOCATION.



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 - NORDEN 27N-14HZ

NORDEN 1C-14HZ
WELL LOCATION CERTIFICATE
478' FSL & 1826' FEL SWSE (SURFACE)
857' FSL & 492' FEL SESE (HEEL)
50' FNL & 486' FEL NENE (BOTTOM)
LOCATED IN SECTION 14
T1N, R67W, 6TH P.M.
WELD COUNTY, COLORADO

Kerr-McGee Oil &
Gas Onshore L.P.
1099 18th Street
Denver, Colorado 80202



CONSULTING, LLC

SHERIDAN OFFICE
1095 Saberton Avenue
Sheridan, Wyoming 82801
Phone 307-674-0609

LOVELAND OFFICE
1635 Foxtrail Drive, Suite 204
Loveland, Colorado 80538
Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	JID
DATE DRAFTED:	11/18/15	DATE SURVEYED:	8/31/15
REVISED:		FILE NAME:	14-130

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