



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

June 17, 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**
BABCOCK 22N-33HZ (Doc No. 401060908)
Township 2 North, Range 67 West
Gov. Lot 1, Section 4: SENW
Unit Acreage: 320 acres
Unit Spacing: 02N67W Sec 4: NW
03N67W Sec 33: SW
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

T2N, R67W

WELL BORE CONTINUES INTO SECTION 33, T3N, R67W

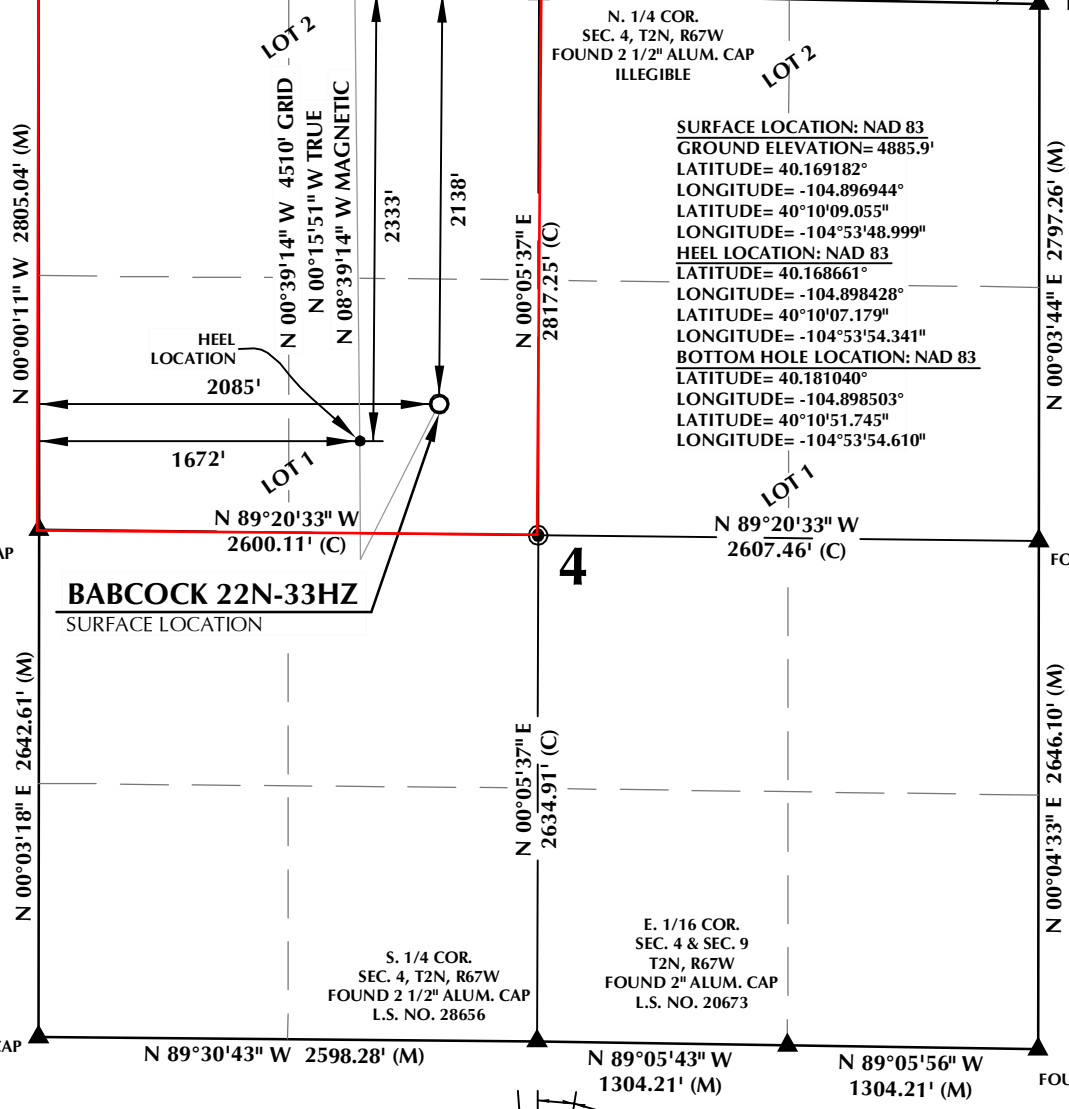
MATCH LINE
SEE SHEET 2

NW. COR.
SEC. 4, T2N, R67W
FOUND 3" ALUM. CAP
L.S. NO. 38305

NE. COR.
SEC. 4, T2N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

N. 1/4 COR.
SEC. 4, T2N, R67W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4885.9'
LATITUDE= 40.169182°
LONGITUDE= -104.896944°
LATITUDE= 40°10'09.055"
LONGITUDE= -104°53'48.999"
HEEL LOCATION: NAD 83
LATITUDE= 40.168661°
LONGITUDE= -104.898428°
LATITUDE= 40°10'07.179"
LONGITUDE= -104°53'54.341"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.181040°
LONGITUDE= -104.898503°
LATITUDE= 40°10'51.745"
LONGITUDE= -104°53'54.610"



BABCOCK 22N-33HZ
SURFACE LOCATION

W. 1/4 COR.
SEC. 4, T2N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 23500

E. 1/4 COR.
SEC. 4, T2N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

S. 1/4 COR.
SEC. 4, T2N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 28656

E. 1/16 COR.
SEC. 4 & SEC. 9
T2N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 20673

SE. COR.
SEC. 4, T2N, R67W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE



NOTES:

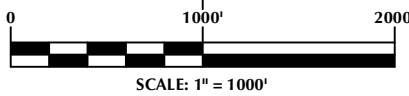
- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID12B)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972753 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 4, T2N, R67W
- OPERATOR: ROB WILSON / PDOP = 1.7
- 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°39'14"W, 4510' FROM THE HEEL LOCATION.
- LOTS 1 & 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 OF THE ORIGINAL GLO SURVEY

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.

Randall K. French
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512
4/27/16

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.



NOTE: MAGNETIC NORTH IS CURRENT AS OF 3/22/2016. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

WELL PAD - BABCOCK 19N-33HZ

BABCOCK 22N-33HZ
WELL LOCATION CERTIFICATE
2138' FNL & 2085' FWL, LOT 1 (SENW) (SURFACE)
2333' FNL & 1672' FWL, LOT 1 (SENW) (HEEL)
LOCATED IN SECTION 4
T2N, R67W, 6TH P.M.
2176' FSL & 1634' FWL NESW (BOTTOM)
LOCATED IN SECTION 33
T3N, 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: RKF	SHEET NO: 1 OF 2
DATE DRAFTED: 4/27/16	DATE SURVEYED: 3/21/16	
REVISED:	FILE NAME: 15-77	

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PROPOSED SPACING UNIT

T3N, R67W

NW. COR.
SEC. 33, T3N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 19585

N 89°40'48" W 2598.98' (M)

N 89°40'33" W
1298.17' (M)

N 89°39'31" W
1298.62' (M)

NE. COR.
SEC. 33, T3N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 23500

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4885.9'
LATITUDE= 40.169182°
LONGITUDE= -104.896944°
HEEL LOCATION: NAD 83
LATITUDE= 40.168661°
LONGITUDE= -104.898428°
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.181040°
LONGITUDE= -104.898503°

N 00°31'59" W
2649.74' (C)

N 00°41'03" W 2643.06' (M)

N 00°35'13" W 2655.98' (M)

W. 1/4 COR.
SEC. 33, T3N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 23501

N 89°49'00" W
2596.39' (C)

BOTTOM OF HOLE:
2176' FSL & 1634' FWL

N 89°49'00" W
2603.67' (C)

E. 1/4 COR.
SEC. 33, T3N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 24305

N 00°21'13" W 2631.43' (M)

1634'

964'

33

461'

857'

N 00°39'14" W 4510' GRID
N 00°15'51" W TRUE
N 08°39'14" W MAGNETIC

N 00°31'59" W
2640.82' (C)

N 00°34'07" W 2682.42' (M)

S. 1/4 COR.
SEC. 33, T3N, R67W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

N 88°54'10" W 2606.19' (M)

SW. COR.
SEC. 33, T3N, R67W
FOUND 3" ALUM. CAP
L.S. NO. 38305

N 89°36'44" W 2604.76' (M)

SE. COR.
SEC. 33, T3N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

23'23" 8'00"



0 1000' 2000'

SCALE: 1" = 1000'

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MATCH LINE
SEE SHEET 1

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Randall K. French
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512
5/17/15

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