



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

December 15, 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**
BUTTERBALL 24C-34HZ (Doc No. 401165709)
Township 2 North, Range 67 West
Section 10: NENE
Unit Acreage: 640 Acres
Unit Spacing: 2N67W SEC 10: N2NE
2N67W SEC 3: E2
3N67W SEC 34: SE, S2NE
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

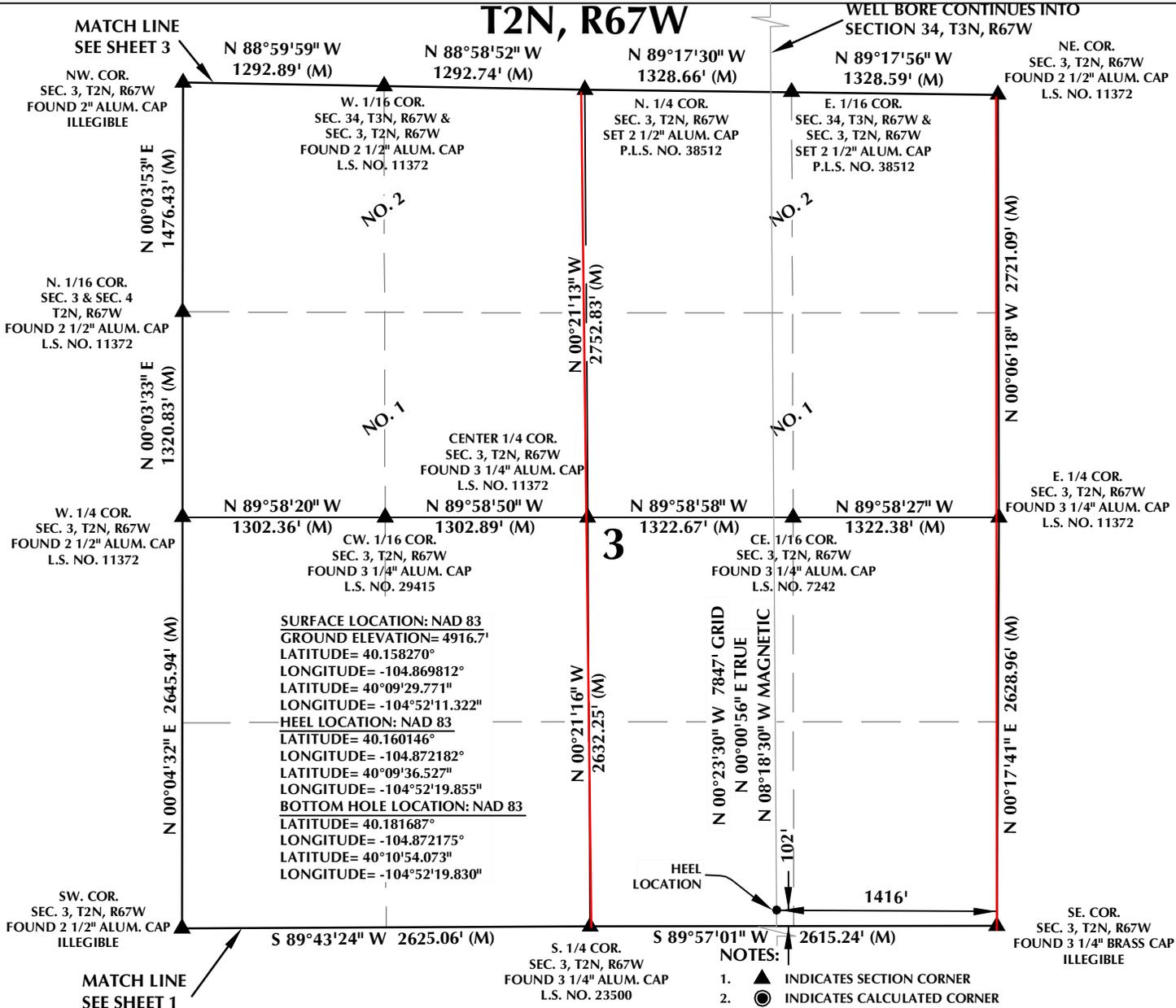
A handwritten signature in black ink that reads "Shayelyn Marshall".

Shayelyn Marshall
Regulatory Analyst I

Enclosure

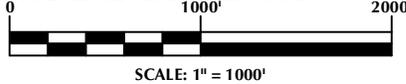
PROPOSED SPACING UNIT

T2N, R67W



SURFACE LOCATION: NAD 83
 GROUND ELEVATION= 4916.7'
 LATITUDE= 40.158270°
 LONGITUDE= -104.869812°
 LATITUDE= 40°09'29.771"
 LONGITUDE= -104°52'11.322"
HEEL LOCATION: NAD 83
 LATITUDE= 40.160146°
 LONGITUDE= -104.872182°
 LATITUDE= 40°09'36.527"
 LONGITUDE= -104°52'19.855"
BOTTOM HOLE LOCATION: NAD 83
 LATITUDE= 40.181687°
 LONGITUDE= -104.872175°
 LATITUDE= 40°10'54.073"
 LONGITUDE= -104°52'19.830"

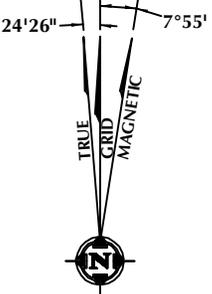
- NOTES:**
- ▲ INDICATES SECTION CORNER
 - INDICATES CALCULATED CORNER
 - ELEVATION BASED ON NAVD88 (GEOID12B)
 - BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
 - ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972597 CALCULATED FROM THE N. 1/4 CORNER OF SECTION 10, T2N, R67W
 - OPERATOR: ROB WILSON / PDOP = 1.3
 - 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°23'30"W, 7847' FROM THE HEEL LOCATION.
 - NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER 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. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 28512



NOTE: MAGNETIC NORTH IS CURRENT AS OF 10/3/2016. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

WELL PAD - BUTTERBALL 24N2-34HZ

BUTTERBALL 24C-34HZ
 WELL LOCATION CERTIFICATE
 578' FNL & 749' FEL NENE (SURFACE)
 LOCATED IN SECTION 10
 102' FSL & 1416' FEL SWSE (HEEL)
 LOCATED IN SECTION 3
 T2N, R67W, 6TH P.M.
 2579' FSL & 1409' FEL NWSE (BOTTOM)
 LOCATED IN SECTION 34
 T3N, R67W, 6TH P.M.
 WELD COUNTY, COLORADO

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



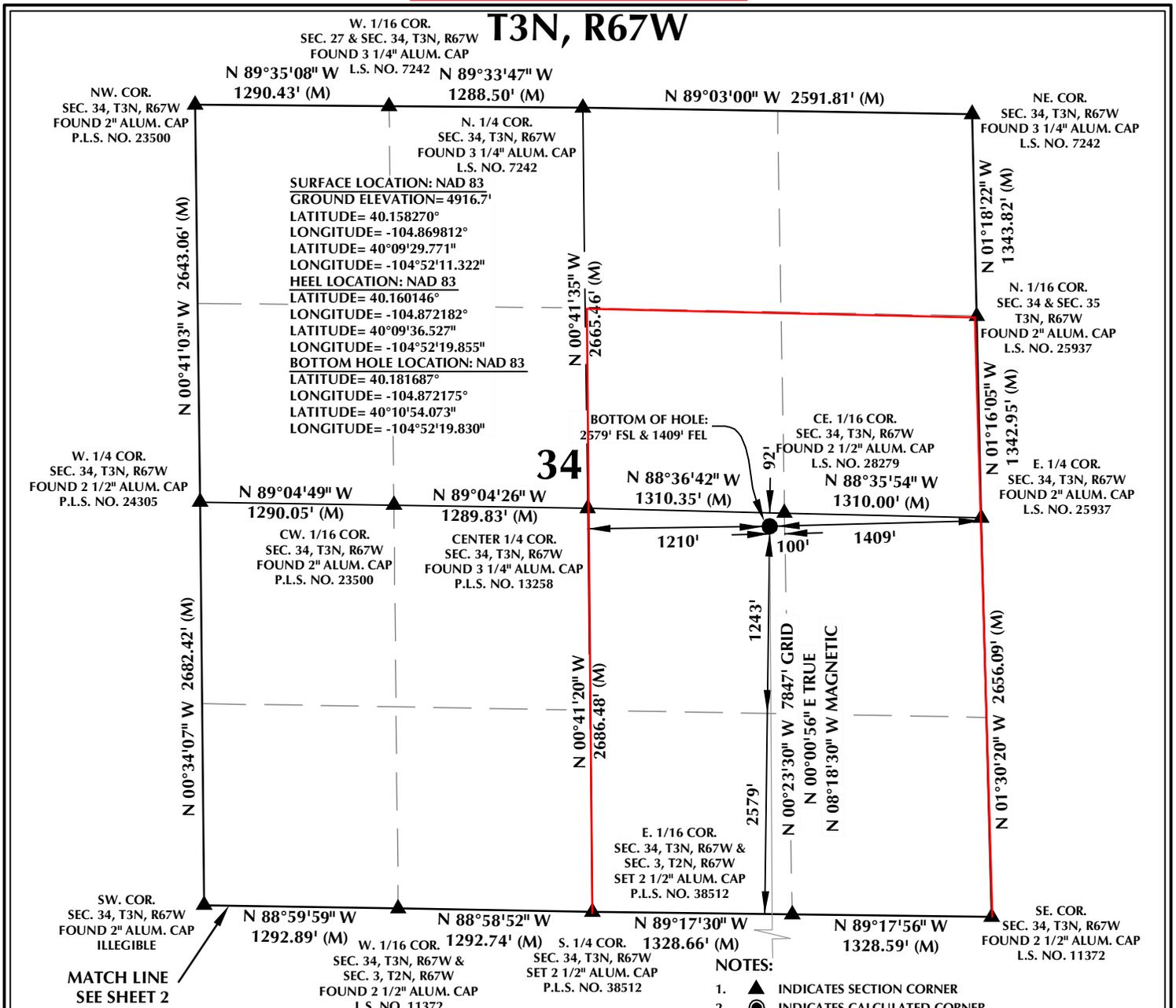
CONSULTING, LLC
 SHERIDAN OFFICE
 1095 Saberton Avenue
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 LOVELAND OFFICE
 1635 Foxtrail Drive, Suite 204
 Loveland, Colorado 80538
 Phone 970-776-4331

DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 2 2 OF 3
DATE DRAFTED: 10/19/16	DATE SURVEYED: 7/26/16	
REVISED:	FILE NAME: 13-90	

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PROPOSED SPACING UNIT

T3N, R67W



SURFACE LOCATION: NAD 83
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BOTTOM OF HOLE:
 2579' FSL & 1409' FEL

34

CE. 1/16 COR.
 SEC. 34, T3N, R67W
 FOUND 2 1/2" ALUM. CAP
 L.S. NO. 28279

N 88°35'54" W
 1310.00' (M)

N 88°36'42" W
 1310.35' (M)

N 89°03'00" W
 2591.81' (M)

N 00°41'35" W
 2665.46' (M)

N 00°41'20" W
 2686.48' (M)

N 00°23'30" W
 7847' GRID

N 00°00'56" E TRUE

N 08°18'30" W MAGNETIC

N 01°16'05" W
 1342.95' (M)

N 01°18'22" W
 1343.82' (M)

N 01°30'20" W
 2656.09' (M)

N 89°17'30" W
 1328.66' (M)

N 89°17'56" W
 1328.59' (M)

N 88°59'59" W
 1292.89' (M)

N 88°58'52" W
 1292.74' (M)

N 89°04'26" W
 1289.83' (M)

N 89°04'49" W
 1290.05' (M)

N 00°34'07" W
 2668.42' (M)

N 00°41'03" W
 2643.06' (M)

N 89°03'00" W
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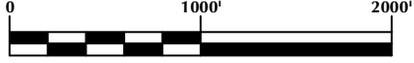
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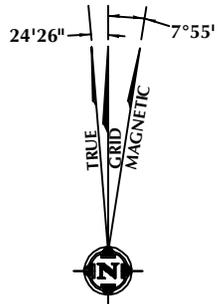
N 01°30'20" W
 2656.09' (M)

NOTES:

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SCALE: 1" = 1000'



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NOTE: 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 BE BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE ON THE CERTIFICATION SHOWN HEREON.

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