



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 22C-34HZ (Doc. Number 401161252)
Township 2 North, Range 67 West
Section 10: NENW
Unit Acreage: 640 Acres
Unit Spacing: 2N67W SEC 10: N2NW
2N67W SEC 3: W2
3N67W SEC 34: SW, S2NW
Weld County, Colorado

Dear Director Lepore:

Kerr-McGee Oil and Gas Onshore LP (“KMG”) hereby certifies that a thirty (30) day notice has been given by certified mail to all mineral owners in the proposed wellbore spacing unit. We have not received any objections to such well location, proposed spacing unit, or additional producing formation. 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

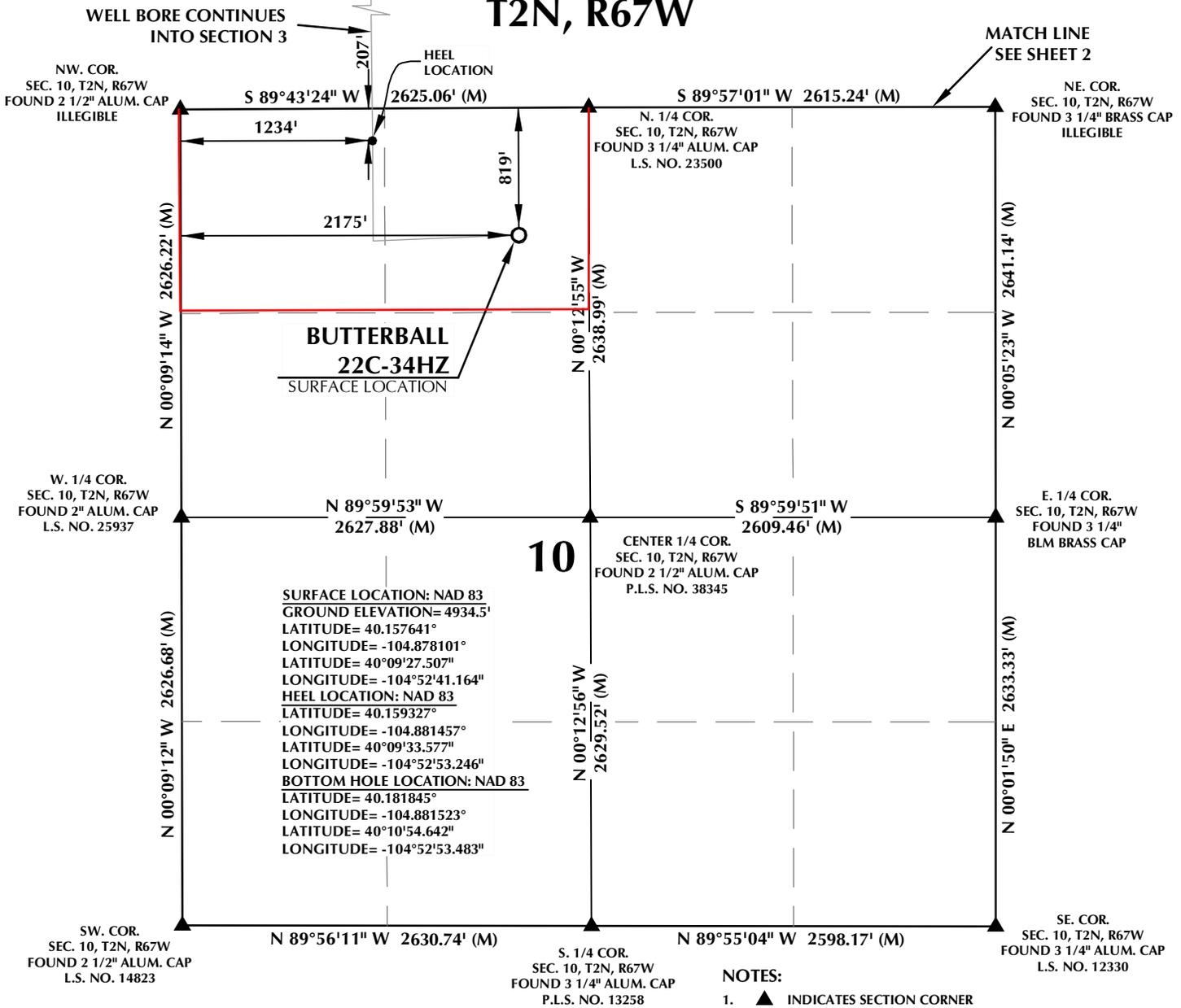
A handwritten signature in black ink that reads "Shayelyn Marshall".

Shayelyn Marshall
Regulatory Analyst I

Enclosure

PROPOSED SPACING UNIT

T2N, R67W



**BUTTERBALL
22C-34HZ**
SURFACE LOCATION

10

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4934.5'
LATITUDE= 40.157641°
LONGITUDE= -104.878101°
LATITUDE= 40°09'27.507"
LONGITUDE= -104°52'41.164"
HEEL LOCATION: NAD 83
LATITUDE= 40.159327°
LONGITUDE= -104.881457°
LATITUDE= 40°09'33.577"
LONGITUDE= -104°52'53.246"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.181845°
LONGITUDE= -104.881523°
LATITUDE= 40°10'54.642"
LONGITUDE= -104°52'53.483"

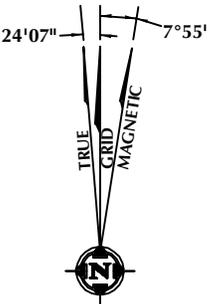
NOTES:

- ▲ 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 = 1.1
- 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°31'42"W, 8203' FROM THE HEEL LOCATION.

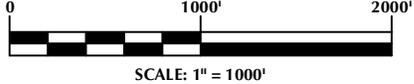
CERTIFICATE OF SURVEYOR:

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 OR IMPROVEMENT SURVEY PLAT AS DEFINED BY CRS, 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 48512



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



WELL PAD - BUTTERBALL 25C-34HZ

BUTTERBALL 22C-34HZ
WELL LOCATION CERTIFICATE
819' FNL & 2175' FWL NENW (SURFACE)
207' FNL & 1234' FWL NWNW (HEEL)
LOCATED IN SECTION 10
T2N, R67W, 6TH P.M.
2578' FSL & 1178' FWL NWSW (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

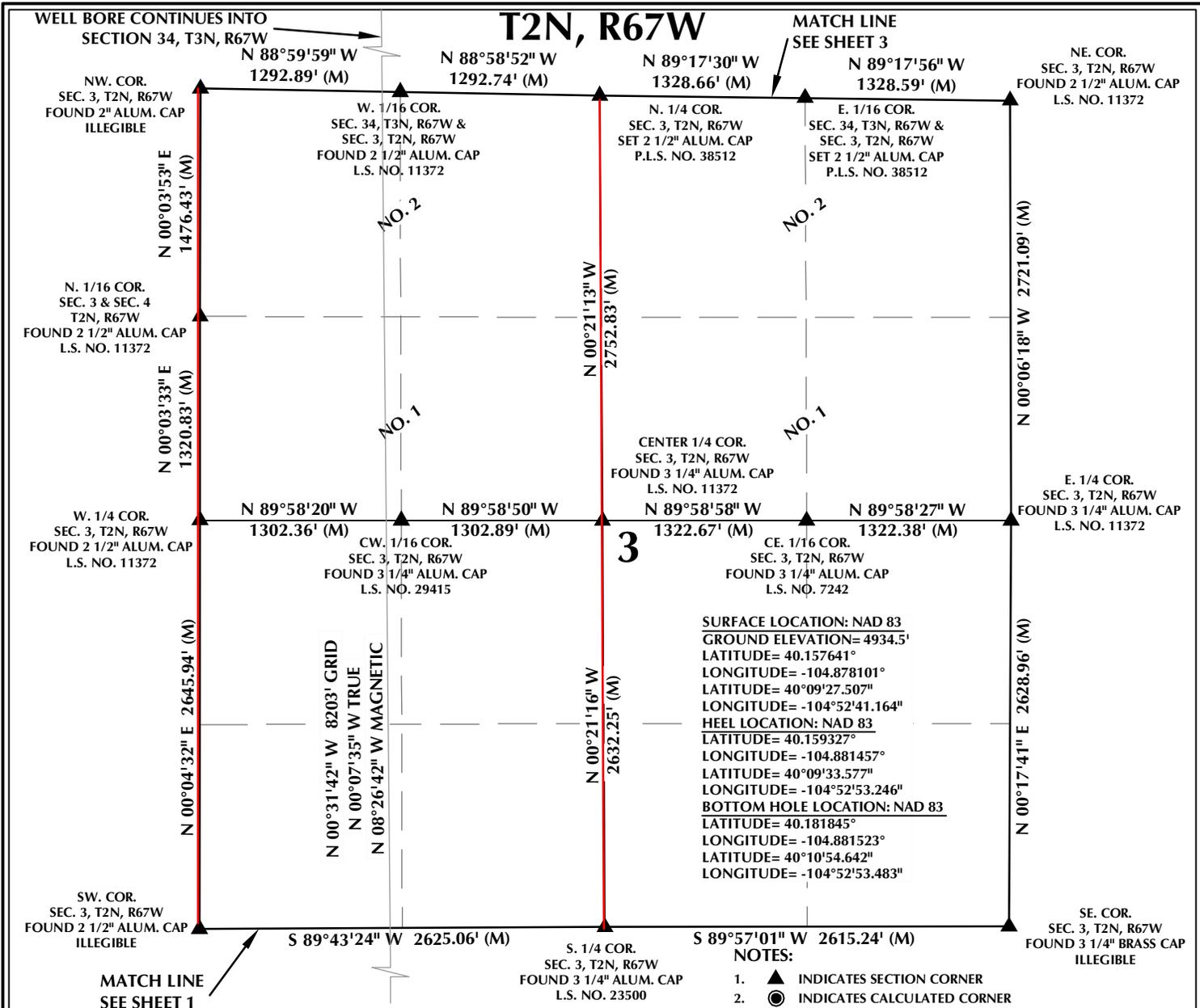
SHERIDAN OFFICE
1095 Saberton Avenue
Sheridan, Wyoming 82801
Phone 307-674-0609

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

DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 1 1 OF 3
DATE DRAFTED: 10/19/16	DATE SURVEYED: 7/26/16	
REVISED:	FILE NAME: 13-90	

K:\ADARKO\2013\2013_90_COLORADO_T2N_R67W_SEC_10_EAST\PLATS\BUTTERBALL_25C-34HZ\DWG_10/20/2016_8-52-08.AMY.B54

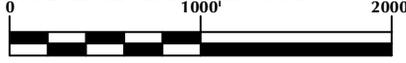
PROPOSED SPACING UNIT



SURFACE LOCATION: NAD 83
 GROUND ELEVATION= 4934.5'
 LATITUDE= 40.157641°
 LONGITUDE= -104.878101°
HEEL LOCATION: NAD 83
 LATITUDE= 40.159327°
 LONGITUDE= -104.881457°
 LATITUDE= 40°09'33.577"
 LONGITUDE= -104°52'53.246"
BOTTOM HOLE LOCATION: NAD 83
 LATITUDE= 40.181845°
 LONGITUDE= -104.881523°
 LATITUDE= 40°10'54.642"
 LONGITUDE= -104°52'53.483"

NOTES:

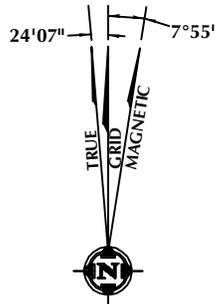
- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID12B)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972597 CALCULATED FROM THE N. 1/4 CORNER OF SECTION 10, T2N, R67W
- OPERATOR: ROB WILSON / PDOP = 1.1
- 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°31'42"W, 8203' 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 OR IMPROVEMENT SURVEY PLAT AS DEFINED BY CRS, 38-51-1002 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 8512



NOTICE:
 ACCORDING TO COLORADO STATE LAW YOU MUST COMPLY WITH 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 - BUTTERBALL 25C-34HZ

BUTTERBALL 22C-34HZ
 WELL LOCATION CERTIFICATE
 819' FNL & 2175' FWL NENW (SURFACE)
 207' FNL & 1234' FWL NWNW (HEEL)
 LOCATED IN SECTION 10
 T2N, R67W, 6TH P.M.
 2578' FSL & 1178' FWL NWSW (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

609 CONSULTING, LLC

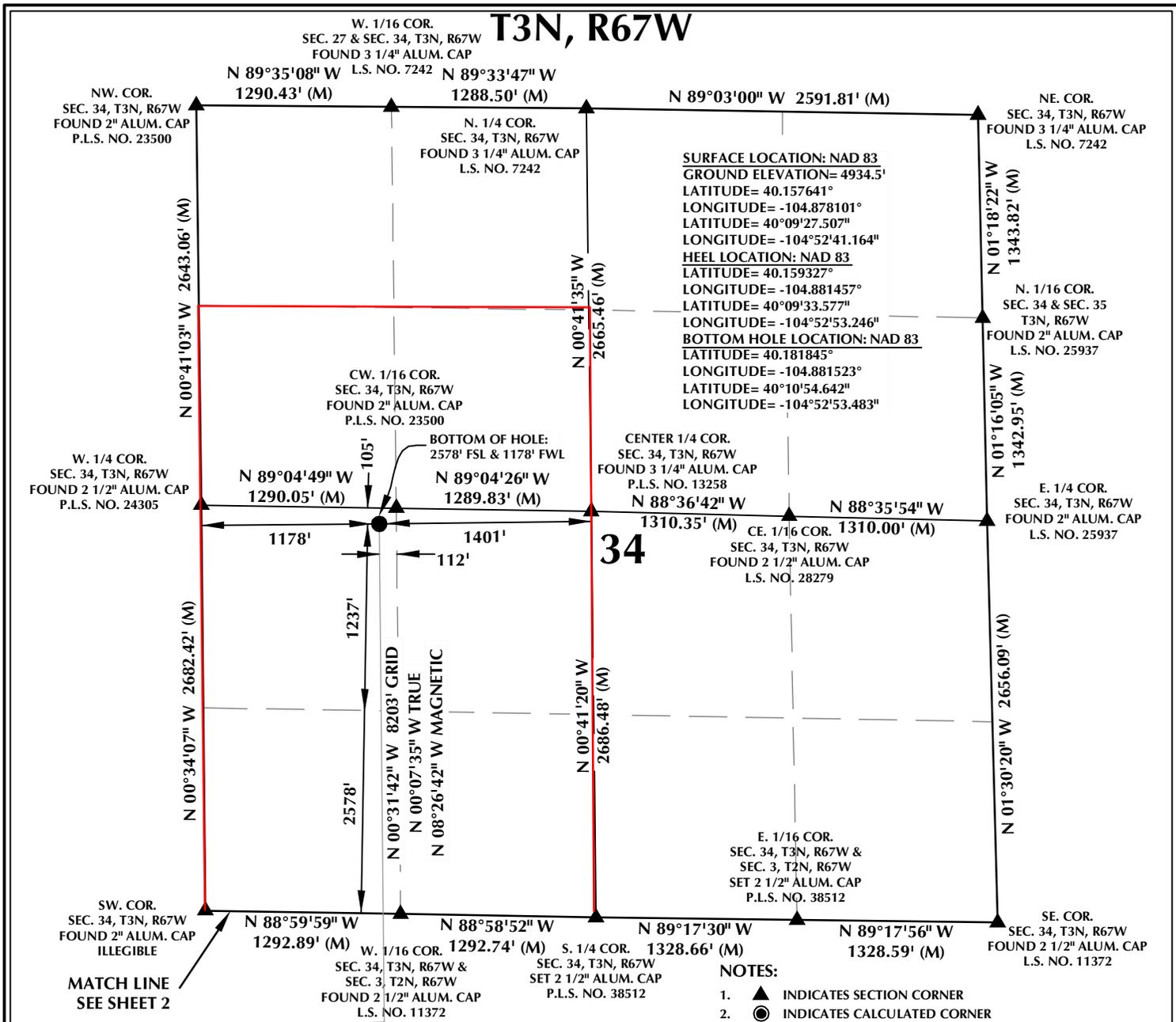
SHERIDAN OFFICE: 1095 Saberton Avenue, Sheridan, Wyoming 82801, Phone 307-674-0609
 LOVELAND OFFICE: 1635 Foxtrail Drive, Suite 204, Loveland, Colorado 80538, Phone 970-776-4331

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	

K:\MADARKO\2013\2013_90_COLORADO_T2N_R67W_SEC_10_EAST\PLATS\BUTTERBALL_25C-34HZ.dwg, 10/20/2016 8:52:12 AM, lsa

PROPOSED SPACING UNIT

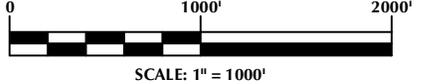
T3N, R67W



SURFACE LOCATION: NAD 83
 GROUND ELEVATION= 4934.5'
 LATITUDE= 40.157641°
 LONGITUDE= -104.878101°
HEEL LOCATION: NAD 83
 LATITUDE= 40.159327°
 LONGITUDE= -104.881457°
 LATITUDE= 40°09'33.577"
 LONGITUDE= -104°52'53.246"
BOTTOM HOLE LOCATION: NAD 83
 LATITUDE= 40.181845°
 LONGITUDE= -104.881523°
 LATITUDE= 40°10'54.642"
 LONGITUDE= -104°52'53.483"

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 = 1.1
- 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°31'42"W, 8203' FROM THE HEEL LOCATION.



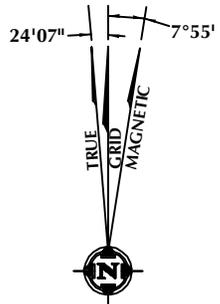
CERTIFICATE OF SURVEYOR:

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 OR IMPROVEMENT SURVEY PLAT AS DEFINED BY CRS, 38-51-1002 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38512

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 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 10/10/2016. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



WELL PAD - BUTTERBALL 25C-34HZ

BUTTERBALL 22C-34HZ
 WELL LOCATION CERTIFICATE
 819' FNL & 2175' FWL NENW (SURFACE)
 207' FNL & 1234' FWL NWNW (HEEL)
 LOCATED IN SECTION 10
 T2N, R67W, 6TH P.M.
 2578' FSL & 1178' FWL NWSW (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: 3 3 OF 3
DATE DRAFTED: 10/19/16	DATE SURVEYED: 7/26/16	
REVISED:	FILE NAME: 13-90	

K:\ADARKO\2013\2013_90_COLORADO_T2N_R67W_SEC_10_EAST\PLATS\BUTTERBALL_25C-34HZ.dwg, 10/20/2016 8:52:17 AM, lsa