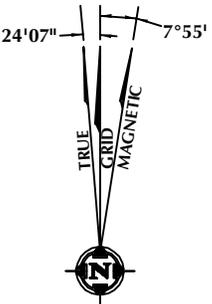
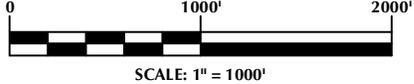


10

SURFACE LOCATION: NAD 83
 GROUND ELEVATION= 4933.9'
 LATITUDE= 40.157639°
 LONGITUDE= -104.877779°
 LATITUDE= 40°09'27.501"
 LONGITUDE= -104°52'40.004"
HEEL LOCATION: NAD 83
 LATITUDE= 40.159319°
 LONGITUDE= -104.876656°
 LATITUDE= 40°09'33.548"
 LONGITUDE= -104°52'35.960"
BOTTOM HOLE LOCATION: NAD 83
 LATITUDE= 40.181767°
 LONGITUDE= -104.876389°
 LATITUDE= 40°10'54.361"
 LONGITUDE= -104°52'35.000"

- 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°07'09"E, 8178' 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 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 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.

WELL PAD - BUTTERBALL 25C-34HZ

BUTTERBALL 25N-34HZ
 WELL LOCATION CERTIFICATE
 820' FNL & 2265' FWL NENW (SURFACE)
 207' FNL & 2576' FWL NENW (HEEL)
 LOCATED IN SECTION 10
 T2N, R67W, 6TH P.M.
 2585' FSL & 2586' 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

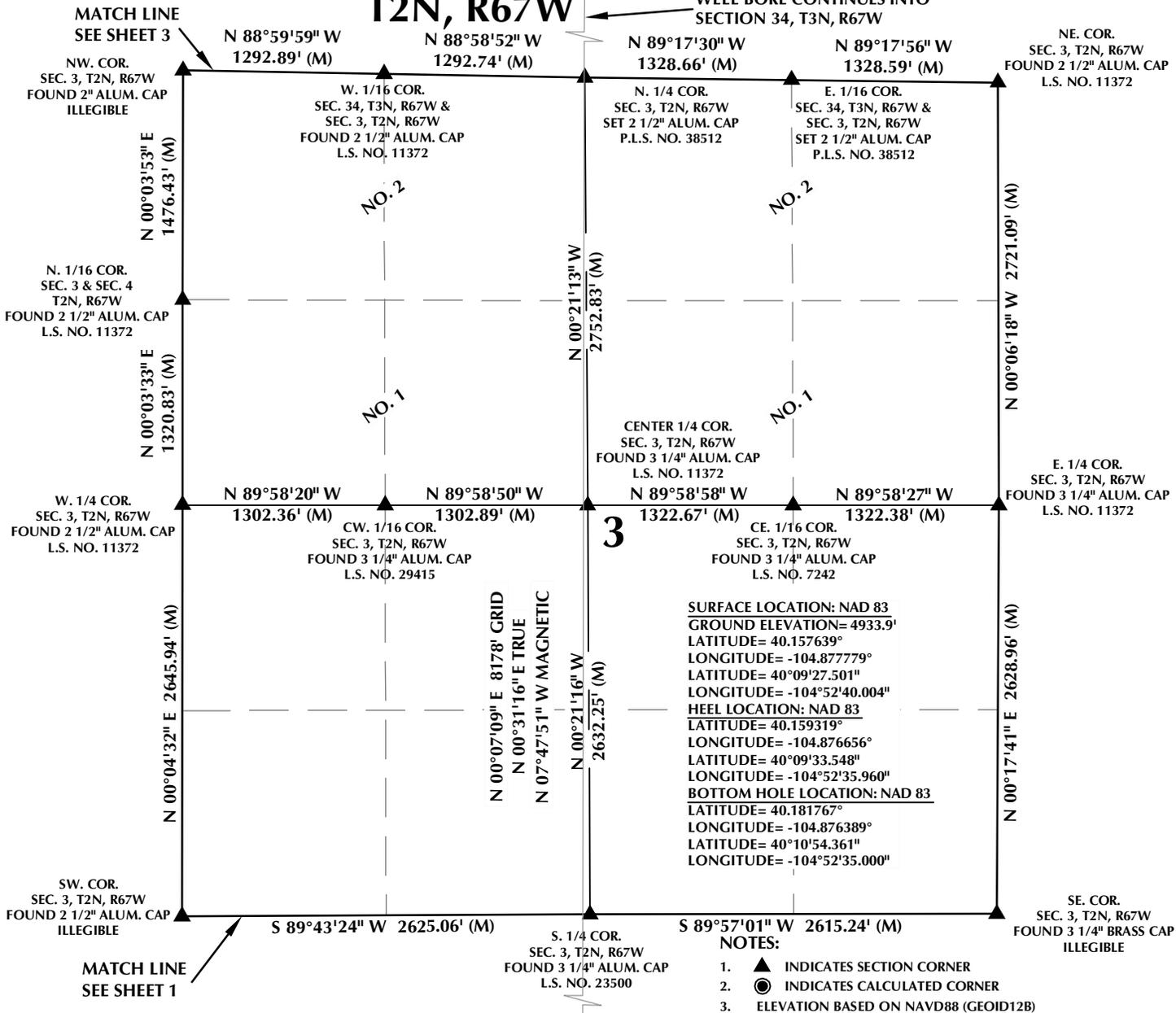
DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 1 1 OF 3
DATE DRAFTED: 10/19/16	DATE SURVEYED: 7/26/16	
REVISED:	FILE NAME: 13-90	

K:\ADARKO\2013\2013_90_COLORADO_T2N_R67W_SEC_10_EAST\PLATS\BUTTERBALL_25C-34HZ.dwg, 10/20/2016 8:43:07 AM, lba

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T2N, R67W

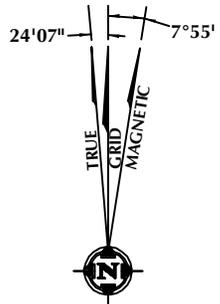
WELL BORE CONTINUES INTO SECTION 34, T3N, R67W



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



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

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 - INDICATES CALCULATED CORNER
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 - THE BOTTOM OF HOLE BEARS N00°07'09"E, 8178' FROM THE HEEL LOCATION.
 - NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY
- SCALE: 1" = 1000'

WELL PAD - BUTTERBALL 25C-34HZ

BUTTERBALL 25N-34HZ
 WELL LOCATION CERTIFICATE
 820' FNL & 2265' FWL NENW (SURFACE)
 207' FNL & 2576' FWL NENW (HEEL)
 LOCATED IN SECTION 10
 T2N, R67W, 6TH P.M.
 2585' FSL & 2586' FEL NWSE (BOTTOM)
 LOCATED IN SECTION 34
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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	

T3N, R67W

W. 1/16 COR.
SEC. 27 & SEC. 34, T3N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

N 89°35'08" W 1290.43' (M)
N 89°33'47" W 1288.50' (M)

N 89°03'00" W 2591.81' (M)

NE COR.
SEC. 34, T3N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

NW COR.
SEC. 34, T3N, R67W
FOUND 2" ALUM. CAP
P.L.S. NO. 23500

N. 1/4 COR.
SEC. 34, T3N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 7242

N 00°41'03" W 2643.06' (M)

N 00°41'35" W 2665.46' (M)

N 01°18'22" W 1343.82' (M)

N. 1/16 COR.
SEC. 34 & SEC. 35
T3N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

CENTER 1/4 COR.
SEC. 34, T3N, R67W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 13258

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

W. 1/4 COR.
SEC. 34, T3N, R67W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 24305

N 89°04'49" W 1290.05' (M)

N 89°04'26" W 1289.83' (M)

N 88°36'42" W 1310.35' (M)

N 88°35'54" W 1310.00' (M)

E. 1/4 COR.
SEC. 34, T3N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

34

BOTTOM OF HOLE:
2585' FSL & 2586' FEL

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4933.9'
LATITUDE= 40.157639°
LONGITUDE= -104.877779°
LATITUDE= 40°09'27.501"
LONGITUDE= -104°52'40.004"
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LONGITUDE= -104°52'35.000"

33'

1277'

2586'

1243'

2585'

N 00°41'20" W 2686.48' (M)

N 00°07'09" E 8178' GRID
N 00°31'16" E TRUE
N 07°47'51" W MAGNETIC

N 01°30'20" W 2656.09' (M)

E. 1/16 COR.
SEC. 34, T3N, R67W &
SEC. 3, T2N, R67W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

N 88°59'59" W 1292.89' (M)

N 88°58'52" W 1292.74' (M)

N 89°17'30" W 1328.66' (M)

N 89°17'56" W 1328.59' (M)

SE COR.
SEC. 34, T3N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

SW COR.
SEC. 34, T3N, R67W
FOUND 2" ALUM. CAP
ILLEGIBLE

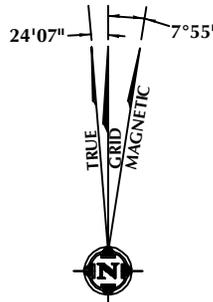
W. 1/16 COR. SEC. 34, T3N, R67W & SEC. 3, T2N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

S. 1/4 COR. SEC. 34, T3N, R67W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

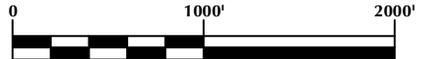
MATCH LINE
SEE SHEET 2

NOTES:

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