

T2N, R67W

WELL BORE CONTINUES INTO SECTION 3

MATCH LINE SEE SHEET 2

NW. COR.
SEC. 10, T2N, R67W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

N. 1/4 COR.
SEC. 10, T2N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 23500

S 89°57'01" W 2615.24' (M)

NE. COR.
SEC. 10, T2N, R67W
FOUND 3 1/4" BRASS CAP
ILLEGIBLE

N 00°09'14" W 2626.22' (M)

S 89°43'24" W 2625.06' (M)

2414'

2280'

820'

208'

HEEL LOCATION

BUTTERBALL
25N2-34HZ
SURFACE LOCATION

N 00°12'55" W
2638.99' (M)

N 00°05'23" W 2641.14' (M)

W. 1/4 COR.
SEC. 10, T2N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 25937

N 89°59'53" W
2627.88' (M)

S 89°59'51" W
2609.46' (M)

E. 1/4 COR.
SEC. 10, T2N, R67W
FOUND 3 1/4" BLM BRASS CAP

10

CENTER 1/4 COR.
SEC. 10, T2N, R67W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 38345

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4934.1'
LATITUDE= 40.157639°
LONGITUDE= -104.877725°
LATITUDE= 40°09'27.500"
LONGITUDE= -104°52'39.811"
HEEL LOCATION: NAD 83
LATITUDE= 40.159312°
LONGITUDE= -104.875761°
LATITUDE= 40°09'33.525"
LONGITUDE= -104°52'32.740"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.181750°
LONGITUDE= -104.875580°
LATITUDE= 40°10'54.300"
LONGITUDE= -104°52'32.088"

N 00°12'56" W
2629.52' (M)

N 00°09'12" W 2626.68' (M)

N 00°01'50" E 2633.33' (M)

SW. COR.
SEC. 10, T2N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 14823

N 89°56'11" W 2630.74' (M)

S. 1/4 COR.
SEC. 10, T2N, R67W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 13258

N 89°55'04" W 2598.17' (M)

SE. COR.
SEC. 10, T2N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 12330

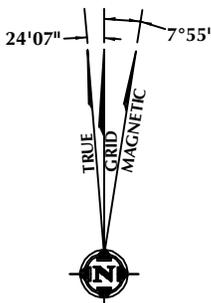
NOTES:

- ▲ 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°02'56"W, 8174' FROM THE HEEL LOCATION.

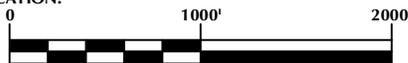
CERTIFICATE OF SURVEYOR:

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 CRS, 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512
10/19/16



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



SCALE: 1" = 1000'

WELL PAD - BUTTERBALL 25C-34HZ

BUTTERBALL 25N2-34HZ
WELL LOCATION CERTIFICATE
820' FNL & 2280' FWL NENW (SURFACE)
208' FNL & 2414' FEL NWNE (HEEL)
LOCATED IN SECTION 10
T2N, R67W, 6TH P.M.
2584' FSL & 2360' 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



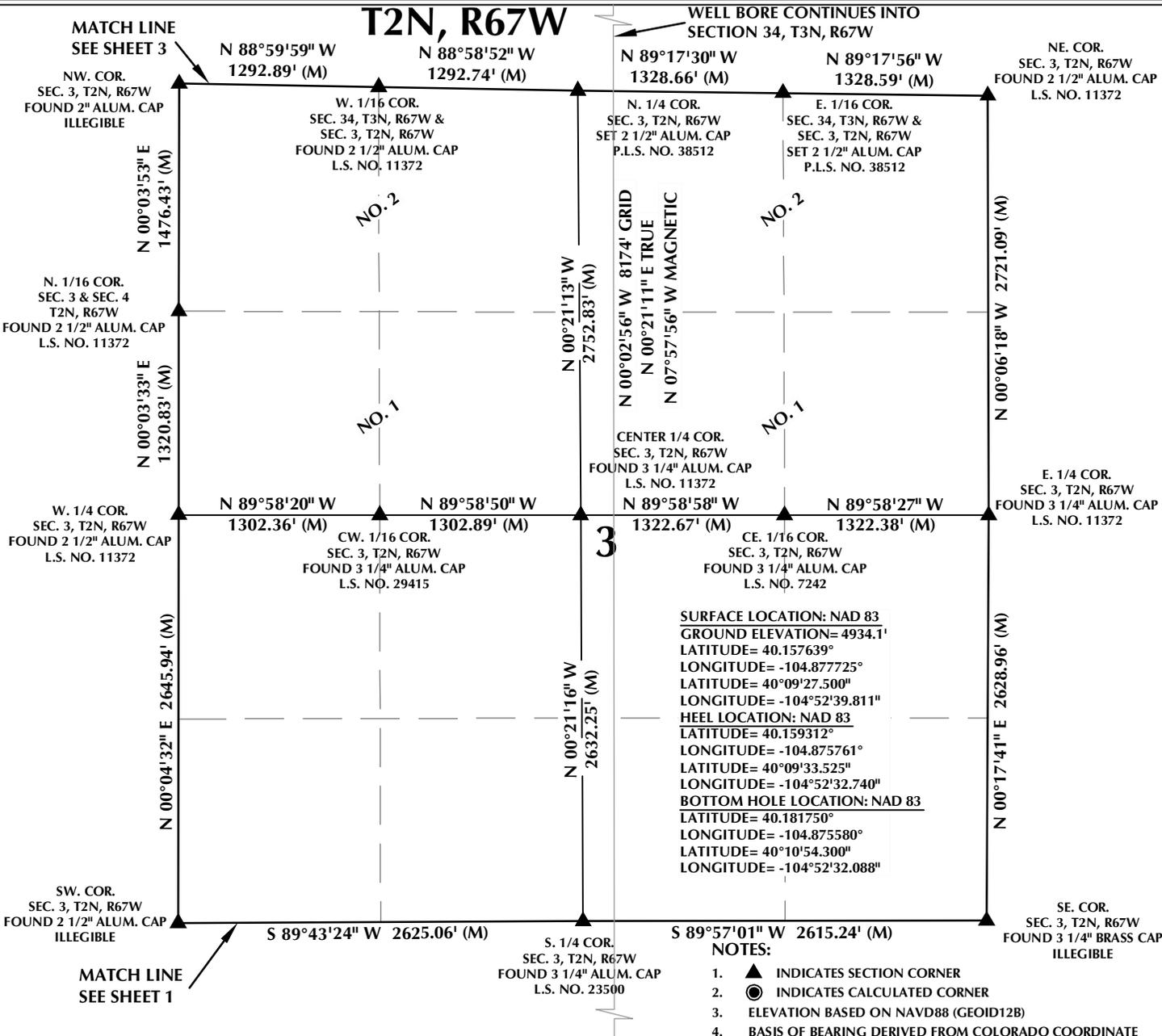
CONSULTING, LLC

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	

T2N, R67W

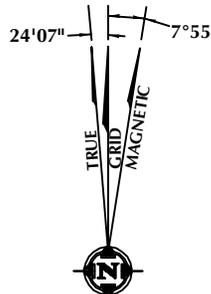


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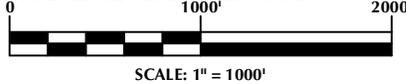
Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 28512

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.



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- ▲ INDICATES SECTION CORNER
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 - 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°02'56"W, 8174' FROM THE HEEL LOCATION.
 - NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY



WELL PAD - BUTTERBALL 25C-34HZ

BUTTERBALL 25N-34HZ
 WELL LOCATION CERTIFICATE
 820' FNL & 2280' FWL NENW (SURFACE)
 208' FNL & 2414' FEL NWNE (HEEL)
 LOCATED IN SECTION 10
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 2584' FSL & 2360' FEL NWSE (BOTTOM)
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K:\MADARKO\2013\13-90 COLORADO T2N, R67W, SEC. 10 EAST PLATS\BUTTERBALL 25C-34HZ.dwg, 10/20/2016 8:43:27 AM, lsa

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

BOTTOM OF HOLE:
2584' FSL & 2360' FEL

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

259'

1051'

2360'

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LATITUDE= 40°10'54.300"
LONGITUDE= -104°52'32.088"

N 00°41'20" W 2686.48' (M)

1242'

2584'

N 00°02'56" W 8174' GRID
N 00°21'11" E TRUE
N 07°57'56" W MAGNETIC

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

N 01°30'20" W 2656.09' (M)

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

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

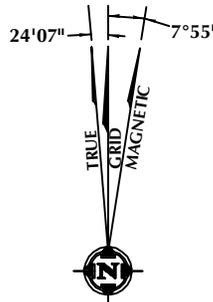
MATCH LINE
SEE SHEET 2

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

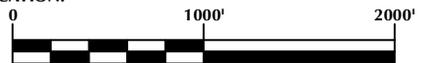
S. 1/4 COR. SEC. 34, T3N, R67W
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P.L.S. NO. 38512

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