



# T1N, R67W

E. 1/16 COR.  
SEC. 12 & SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

NW. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 89°02'22" W 1307.33' (M)  
S 89°02'18" W 1307.36' (M)

NE. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

N. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372  
BOTTOM OF HOLE:  
51' FNL & 2477' FWL

W. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 89°58'44" W 2617.48' (M)

CENTER 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 89°03'10" W 2640.28' (M)

E. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 4940.1'  
LATITUDE= 40.030334°  
LONGITUDE= -104.841825°  
LATITUDE= 40°01'49.204"  
LONGITUDE= -104°50'30.572"  
**HEEL LOCATION: NAD 83**  
LATITUDE= 40.031847°  
LONGITUDE= -104.839681°  
LATITUDE= 40°01'54.648"  
LONGITUDE= -104°50'22.852"  
**BOTTOM HOLE LOCATION: NAD 83**  
LATITUDE= 40.058124°  
LONGITUDE= -104.839681°  
LATITUDE= 40°03'29.246"  
LONGITUDE= -104°50'22.852"

N 00°25'35" W 9572' GRID  
N 00°00'04" W TRUE  
N 08°14'35" W MAGNETIC  
N 00°39'29" W 2637.89' (M)

S. 1/16 COR.  
SEC. 13 & SEC. 14  
T1N, R67W  
SET 2 1/2" ALUM. CAP  
P.L.S. NO. 38512

S. 1/16 COR.  
SEC. 13, T1N, R67W &  
SEC. 18, T1N, R66W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

SE. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 20671

SW. COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 88°09'41" W 2617.91' (M)

S. 1/4 COR.  
SEC. 13, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
R.L.S. NO. 11372

S 89°18'03" W 2641.76' (M)

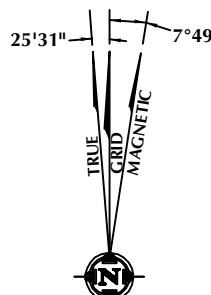
MATCH LINE  
SEE SHEET 1

## 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 THESE 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 18512

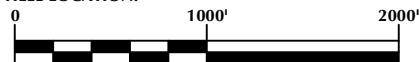
NOTE:  
ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE ON THE CERTIFICATION SHOWN HEREON.



NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 2/7/2017.  
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

## 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: .99973172 CALCULATED FROM THE SE. CORNER OF SECTION 24, T1N, R67W
- OPERATOR: ROB WILSON / PDOP = 1.5
- 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°25'35"W, 9572' FROM THE HEEL LOCATION.



## WELL PAD - QUARTER CIRCLE 24-8HZ

QUARTER CIRCLE 24-9HZ  
WELL LOCATION CERTIFICATE  
343' FSL & 1834' FWL SESW (SURFACE)  
891' FSL & 2437' FWL SESW (HEEL)  
LOCATED IN SECTION 24  
51' FNL & 2477' FWL NENW (BOTTOM)  
LOCATED IN SECTION 13  
T1N, 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

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