



# T2N, R67W

E. 1/16 COR.  
SEC. 30 & SEC. 31, T2N, R67W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 24305

NW. COR.  
SEC. 31, T2N, R67W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 37946

S 89°58'53" W 2504.11' (M)

S 89°56'08" W 1316.55' (M)

S 89°56'13" W 1316.62' (M)

NE. COR.  
SEC. 31, T2N, R67W  
FOUND 3 1/4" BLM  
BRASS CAP

N 00°06'53" W 2655.32' (M)

2474'

N. 1/4 COR.  
SEC. 31, T2N, R67W  
FOUND 3 1/4" BLM  
BRASS CAP

BOTTOM OF HOLE:  
51' FNL & 2474' FWL

N 00°29'48" E  
1323.34' (M)

N. 1/16 COR.  
SEC. 31 & SEC. 32  
T2N, R67W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 24305

N 00°28'46" E  
2650.37' (M)

N 00°29'00" E  
1323.22' (M)

E. 1/4 COR.  
SEC. 31, T2N, R67W  
FOUND 2" ALUM. CAP  
ILLEGIBLE

W. 1/4 COR.  
SEC. 31, T2N, R67W  
SET 2 1/2" ALUM. CAP  
W.C. 30' EAST OF TRUE  
CORNER POSITION  
P.L.S. NO. 38512

S 89°51'54" W 2476.61' (M)

CENTER 1/4 COR.  
SEC. 31, T2N, R67W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 24305

## 31

S 89°51'12" W 2632.72' (M)

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 5112.3'  
LATITUDE= 40.070788°  
LONGITUDE= -104.936710°  
LATITUDE= 40°04'14.838"  
LONGITUDE= -104°56'12.156"  
**HEEL LOCATION: NAD 83**  
LATITUDE= 40.072758°  
LONGITUDE= -104.933398°  
LATITUDE= 40°04'21.930"  
LONGITUDE= -104°56'00.234"  
**BOTTOM HOLE LOCATION: NAD 83**  
LATITUDE= 40.102068°  
LONGITUDE= -104.933383°  
LATITUDE= 40°06'07.445"  
LONGITUDE= -104°56'00.179"

N 00°01'09" E 2657.11' (M)

No. 2

No. 1

N 00°29'27" E  
2652.02' (M)

N 00°28'50" E 2646.94' (M)

SW. COR.  
SEC. 31, T2N, R67W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 23500

S 89°44'34" W 2454.80' (M)

S. 1/4 COR.  
SEC. 31, T2N, R67W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 24305

S 89°44'34" W 2633.26' (M)

SE. COR.  
SEC. 31, T2N, R67W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 7242

MATCH LINE  
SEE SHEET 1

### CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS 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*  
PROFESSIONAL LAND SURVEYOR  
38512  
6/7/18

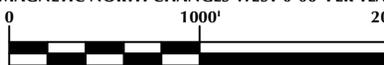
RANDALL K. FRENCH  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 38512

NOTE:  
ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE 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.

21'50" 7°49'



NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 5/7/2018.  
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



SCALE: 1" = 1000'

### 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: .99972179 CALCULATED FROM THE SW. CORNER OF SECTION 6, T1N, R67W.  
OPERATOR: PRESTON KNUTSEN / PDPD = 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°20'35"W, 10677' FROM THE HEEL LOCATION.
- NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY.

### WELL PAD - RANGER 18-7HZ

RANGER 7-19HZ  
WELL LOCATION CERTIFICATE  
825' FNL & 1574' FWL LOT 1 (NENW) (SURFACE)  
100' FNL & 2496' FWL LOT 1 (NENW) (HEEL)  
LOCATED IN SECTION 7  
T1N, R67W, 6TH P.M.  
51' FNL & 2474' FWL LOT 1 (NENW) (BOTTOM)  
LOCATED IN SECTION 31  
T2N, R67W, 6TH P.M.  
WELD COUNTY, COLORADO

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



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