

**T1N, R66W**

**SECTION 9**

**HIGHLANDS 27C-33HZ**

**SURFACE LOCATION**

**HEEL LOCATION**

**WELL BORE CONTINUES INTO SECTION 4**

**NOTES:**

1. INDICATES SECTION CORNER
2. INDICATES CALCULATED CORNER

**BOUNDARY DATA:**

- Top Boundary:**
  - Left: N 00°48'43" W 2640.52' (M)
  - Center: S 89°00'20" W 1325.34' (M)
  - Right: S 88°59'19" W 1325.59' (M)
- Right Boundary:**
  - Top: N 00°28'15" W 1342.84' (M)
  - Middle: N 00°28'13" W 1341.61' (M)
  - Bottom: N 00°28'42" W 1293.35' (M)
  - Far Bottom: N 00°28'54" W 1293.26' (M)
- Bottom Boundary:**
  - Left: S 89°01'56" W 2633.46' (M)
  - Center: S 88°58'05" W 2638.21' (M)
- Left Boundary:**
  - Top: N 00°47'43" W 1320.25' (M)
  - Middle: N 00°47'58" W 1320.78' (M)
- Internal Lines:**
  - Center Line: N 00°36'41" W 1307.82' (M)
  - Center Line: N 00°36'51" W 1307.64' (M)
  - Center Line: S 89°35'15" W 2641.94' (M)
  - Center Line: S 89°35'39" W 2644.15' (M)
  - Center Line: S 89°03'21" W 1318.84' (M)

**CORNER AND MONUMENT DATA:**

- Top Left:** NW. COR. SEC. 9, T1N, R66W FOUND 2 1/2" ALUM. CAP ILLEGIBLE
- Top Center:** N. 1/4 COR. SEC. 9, T1N, R66W FOUND 3 1/4" ALUM. CAP L.S. NO. 13155
- Top Right:** NE. COR. SEC. 9, T1N, R66W FOUND 2" ALUM. CAP ILLEGIBLE
- Right Center:** N. 1/16 COR. SEC. 9 & SEC. 10 T1N, R66W SET 2 1/2" ALUM. CAP P.L.S. NO. 38512
- Right Bottom:** E. 1/4 COR. SEC. 9, T1N, R66W FOUND 3 1/4" ALUM. CAP L.S. NO. 34995
- Bottom Right:** S. 1/16 COR. SEC. 9 & SEC. 10 T1N, R66W FOUND 2 1/2" ALUM. CAP L.S. NO. 38046
- Bottom Center:** CS. 1/16 COR. SEC. 9, T1N, R66W FOUND 2 1/2" ALUM. CAP L.S. NO. 38046
- Bottom Left:** SW. COR. SEC. 9, T1N, R66W FOUND 3 1/4" ALUM. CAP ILLEGIBLE
- Left Center:** W. 1/4 COR. SEC. 9, T1N, R66W FOUND 2" ALUM. CAP L.S. NO. 25937
- Top Center-Right:** E. 1/16 COR. SEC. 4 & SEC. 9 T1N, R66W FOUND 2" ALUM. CAP L.S. NO. 25937
- Top Center-Left:** S. 1/16 COR. SEC. 9 & SEC. 8 T1N, R66W FOUND 2" ALUM. CAP L.S. NO. 25937
- Center-Right:** SURFACE LOCATION: NAD 83 GROUND ELEVATION= 4997.7' LATITUDE= 40.072076° LONGITUDE= -104.776458° LATITUDE= 40°04'19.474" LONGITUDE= -104°46'35.250" HEEL LOCATION: NAD 83 LATITUDE= 40.069984° LONGITUDE= -104.776597° LATITUDE= 40°04'11.942" LONGITUDE= -104°46'35.750" BOTTOM HOLE LOCATION: NAD 83 LATITUDE= 40.087878° LONGITUDE= -104.776728° LATITUDE= 40°05'16.361" LONGITUDE= -104°46'36.221"
- Center-Left:** SW. 1/16 COR. SEC. 9, T1N, R66W FOUND 3 1/4" ALUM. CAP W.C. 25' NORTH L.S. NO. 30086
- Bottom Center-Right:** SE. COR. SEC. 9, T1N, R66W FOUND 3 1/4" ALUM. CAP L.S. NO. 30086

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. 38-51-202 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Randall K. French*  
 RANDALL K. FRENCH  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 38512  
 6/23/16

**NOTICE:** 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 6/12/2015.  
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

1. ▲ INDICATES SECTION CORNER
2. ● INDICATES CALCULATED CORNER
3. ELEVATION BASED ON NAVD88 (GEOID09)
4. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
5. ALL MEASURED DISTANCES ARE GRID.  
COMBINED SCALE FACTOR: .99972674 CALCULATED FROM THE N. 1/4 CORNER OF SECTION 9, T1N, R66W
6. OPERATOR: ROB WILSON / PDOP = 1.3
7. SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
8. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
9. THE BOTTOM OF HOLE BEARS N00°47'20"W, 6519' FROM THE HELL LOCATION.



HIGHLANDS 27C-33HZ  
WELL LOCATION CERTIFICATE  
342' FNL & 1037' FEL NENE (SURFACE)  
1104' FNL & 1076' FEL NENE (HEEL)  
LOCATED IN SECTION 9  
T1N, R66W, 6TH P.M.  
192' FSL & 1129' FEL SESE (BOTTOM)  
LOCATED IN SECTION 33  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

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

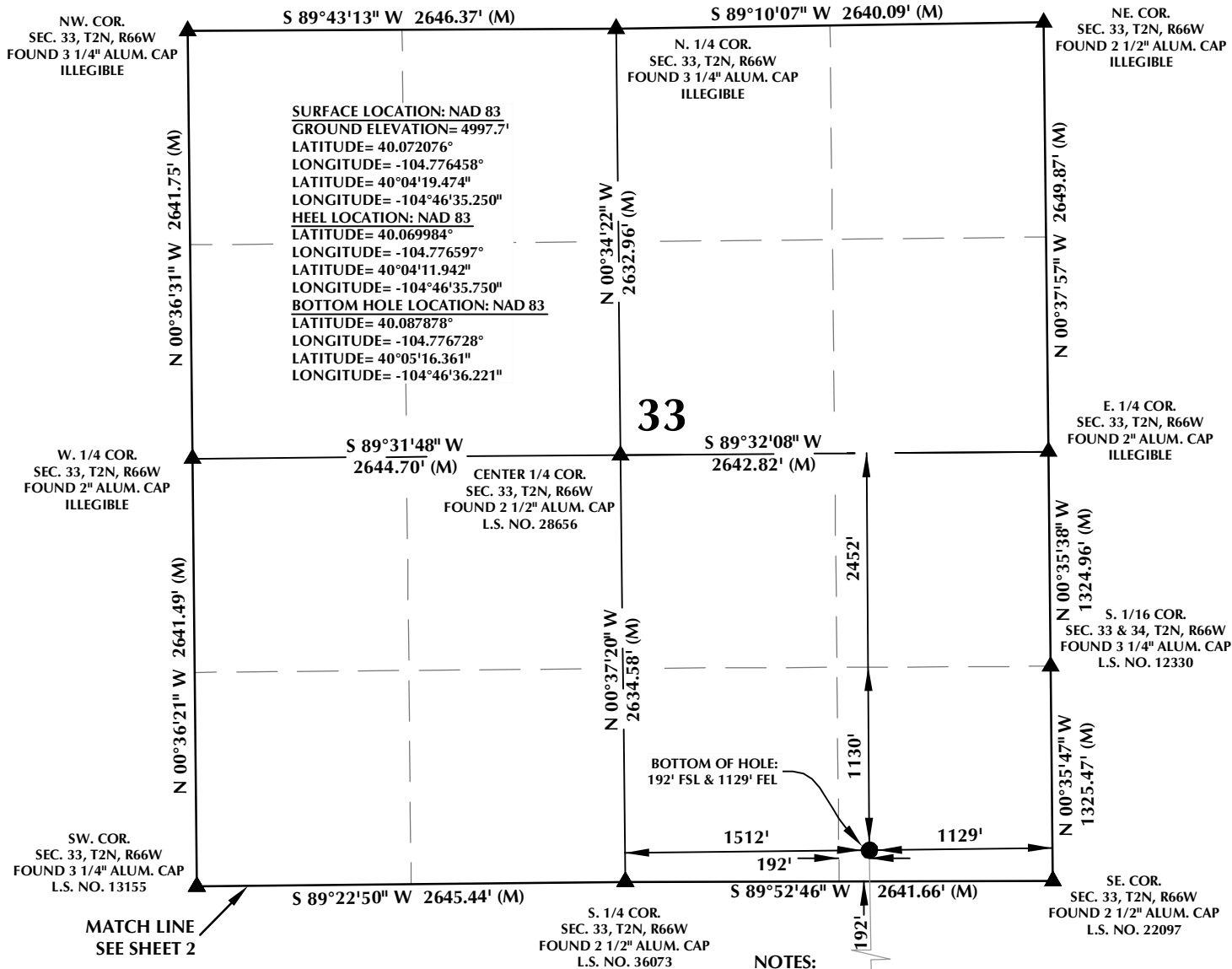


**SHERIDAN OFFICE**  
1095 Saberton Avenue  
Sheridan, Wyoming 82801  
Phone 307-674-0609

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# T2N, R66W

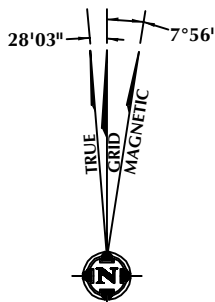


## CERTIFICATE OF SURVEYOR:

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## WELL PAD - HIGHLANDS 27C-33HZ

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