

# T3N, R66W

NW. COR.  
SEC. 20, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

S 89°13'45" W 2635.64' (M)

N. 1/4 COR.  
SEC. 20, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

S 89°06'02" W 2673.83' (M)

NE. COR.  
SEC. 20, T3N, R66W  
FOUND 2" ALUM. CAP  
ILLEGIBLE

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 4956.7'  
LATITUDE= 40.204157°  
LONGITUDE= -104.794569°  
LATITUDE= 40°12'14.965"  
LONGITUDE= -104°47'40.448"  
**HEEL LOCATION: NAD 83**  
LATITUDE= 40.203209°  
LONGITUDE= -104.800098°  
LATITUDE= 40°12'11.553"  
LONGITUDE= -104°48'00.354"  
**BOTTOM HOLE LOCATION: NAD 83**  
LATITUDE= 40.217408°  
LONGITUDE= -104.800042°  
LATITUDE= 40°13'02.669"  
LONGITUDE= -104°48'00.151"

BOTTOM OF HOLE:  
50' FNL & 2313' FEL

N 00°16'39" W 5172' GRID  
N 00°10'42" E TRUE  
N 07°52'39" W MAGNETIC

N. 1/16 COR.  
SEC. 20 & SEC. 21  
T3N, R66W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 38345

W. 1/4 COR.  
SEC. 20, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

S 88°49'55" W

CENTER 1/4 COR.  
SEC. 20, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

S 88°50'00" W

CE. 1/16 COR.  
SEC. 20, T3N, R66W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 9644

E. 1/4 COR.  
SEC. 20, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 22098

## NILES MILLER 20-1HZ

SURFACE LOCATION

HEEL LOCATION

SW. COR.  
SEC. 20, T3N, R66W  
FOUND 2 1/2" ALUM. CAP  
ILLEGIBLE

S 88°55'33" W 2644.44' (M)

S. 1/4 COR.  
SEC. 20, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 13155

S 88°55'52" W

S 88°55'49" W

SE. COR.  
SEC. 20, T3N, R66W  
FOUND 3 1/4" ALUM. CAP  
ILLEGIBLE

W. 1/4 COR.  
SEC. 29, T3N, R66W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 38512

N 01°09'28" W

CENTER 1/4 COR.  
SEC. 29, T3N, R66W  
SET 2 1/2" ALUM. CAP  
P.L.S. NO. 38512

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### NOTES:

1. INDICATES SECTION CORNER.
2. INDICATES CALCULATED CORNER.
3. ELEVATION BASED ON NAVD88 (GEOID12B).
4. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
5. ALL MEASURED DISTANCES ARE GRID.
6. COMBINED SCALE FACTOR: .99972278 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 21, T3N, R66W.
7. OPERATOR: TRAVIS HOLLAND / PDOP = 1.2.
8. SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
9. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
10. THE BOTTOM OF HOLE BEARS N00°16'39"W, 5172' FROM THE HEEL LOCATION.

### CERTIFICATE OF SURVEYOR:

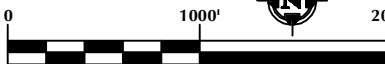
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY THAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-50-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Randall K. French*  
38512  
PROFESSIONAL LAND SURVEYOR

RANDALL K. FRENCH  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 38512

NOTICE:  
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.

NOTE:  
MAGNETIC NORTH IS  
CURRENT AS OF 11/30/2018.  
MAGNETIC NORTH CHANGES  
WEST 0°06' PER YEAR.



SCALE: 1" = 1000'

### WELL PAD - NILES MILLER 37-20HZ

NILES MILLER 20-1HZ  
WELL LOCATION CERTIFICATE  
379' FSL & 828' FEL SESE (SURFACE)  
50' FSL & 2376' FEL SWSE (HEEL)  
50' FNL & 2313' FEL NWNE (BOTTOM)  
LOCATED IN SECTION 20  
T3N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

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



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DRAFTED BY:	LMO	CHECKED BY:	RKF
DATE DRAFTED:	12/19/18	DATE SURVEYED:	11/30/18
REVISED:	1/31/19	FILE NAME:	17-222