

T3N, R66W

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

N. 1/4 COR.
SEC. 20, T3N, R66W
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NE COR.
SEC. 20, T3N, R66W
FOUND 2" ALUM. CAP
ILLEGIBLE

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4954.7'
LATITUDE= 40.203992°
LONGITUDE= -104.794571°
LATITUDE= 40°12'14.372"
LONGITUDE= -104°47'40.455"
HEEL LOCATION: NAD 83
LATITUDE= 40.203248°
LONGITUDE= -104.795359°
LATITUDE= 40°12'11.693"
LONGITUDE= -104°47'43.291"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.217436°
LONGITUDE= -104.795536°
LATITUDE= 40°13'02.770"
LONGITUDE= -104°47'43.930"

BOTTOM OF HOLE:
50' FNL & 1054' FEL

N 01°00'16" W 5169' GRID
N 00°32'55" W TRUE
N 08°36'16" 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
2620.70' (M)

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

S 88°50'00" W
1338.34' (M)

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

S 88°49'58" W
1338.39' (M)

E. 14 COR.
SEC. 20, T3N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 22098

N 01°14'20" W 2663.25' (M)

N 00°55'01" W
2645.00' (M)

N 00°58'47" W
1316.26' (M)

N 00°58'47" W
1316.26' (M)

N 00°23'59" W 2623.86' (M)

N 00°55'10" W
2627.98' (M)

N 00°58'49" W 2632.54' (M)

NILES MILLER 20-5HZ
SURFACE LOCATION

HEEL LOCATION

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

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

S 88°55'52" W
1339.75' (M)

E. 1/16 COR.
SEC. 20 & SEC. 29
T3N, R66W
FOUND 2 1/2"
ALUM. CAP
ILLEGIBLE

S 88°55'49" W
1339.80' (M)

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

N 01°09'28" W
2672.81' (M)

N 00°36'48" W
2654.46' (M)

N 00°25'22" W
2635.52' (M)

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

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

29

E. 1/4 COR.
SEC. 29, T3N, R66W
FOUND 3 1/4"
ALUM. CAP
P.L.S. NO. 13155

CERTIFICATE OF SURVEYOR:

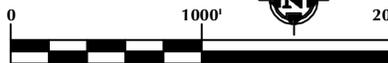
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY THAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 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
1/31/19

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'

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: .99972278 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 21, T3N, R66W.
- OPERATOR: TRAVIS HOLLAND / PDOP = 1.2.
- 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 N01°00'16"W, 5169' FROM THE HEEL LOCATION.

WELL PAD - NILES MILLER 37-20HZ

NILES MILLER 20-5HZ
WELL LOCATION CERTIFICATE
319' FSL & 829' FEL SESE (SURFACE)
50' FSL & 1052' FEL SESE (HEEL)
50' FNL & 1054' FEL NENE (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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