

T1N, R65W

N. 1/4 COR.
SEC. 18, T1N, R65W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 25937

N 88°49'49" E 2651.61' (M)

NE COR.
SEC. 18, T1N, R65W
FOUND 2" ALUM. CAP
L.S. NO. 25937

NW COR.
SEC. 18, T1N, R65W
FOUND 2" ALUM. CAP
L.S. NO. 25937

N 88°49'40" E 2653.16' (M)

N 00°21'27" W 2640.72' (M)

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4998.6'
LATITUDE= 40.046850°
LONGITUDE= -104.703631°
LATITUDE= 40°02'48.662"
LONGITUDE= -104°42'13.071"
HEEL LOCATION: NAD 83
LATITUDE= 40.044012°
LONGITUDE= -104.705694°
LATITUDE= 40°02'38.444"
LONGITUDE= -104°42'20.497"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.029737°
LONGITUDE= -104.705728°
LATITUDE= 40°01'47.053"
LONGITUDE= -104°42'20.621"

N 00°23'39" W
2646.32' (M)

N 00°24'01" W 2652.34' (M)

18

E. 1/4 COR.
SEC. 18, T1N, R65W
FOUND 3 1/4" ALUM. CAP
ILLEGIBLE

W. 1/4 COR.
SEC. 18, T1N, R65W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 27269

N 88°56'57" E
2654.79' (M)

N 88°57'38" E
2651.82' (M)

CEN. 1/4 COR.
SEC. 18, T1N, R65W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 29414

N 00°20'39" W 2641.55' (M)

N 00°24'24" W
2648.76' (M)

N 00°24'54" W 2650.02' (M)

PETTINGER 18-1HZ

SURFACE LOCATION

1836'

979'

SW COR.
SEC. 18, T1N, R65W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 28656

MATCH LINE
SEE SHEET 2

N 89°06'19" E 2657.61' (M)

S. 1/4 COR.
SEC. 18, T1N, R65W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 28656

N 88°59'17" E 2652.18' (M)
WELLBORE CONTINUES INTO
SECTION 19, T1N, R65W

SE COR.
SEC. 18, T1N, R65W
FOUND 3" ALUM. CAP
L.S. NO. 25937

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. 38-31-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
PROFESSIONAL LAND SURVEYOR
38512
2/27/18

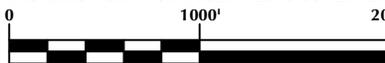
RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

NOTICE:
ACCORDING TO COLORADO STATE LAW YOU MUST TAKE 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.

30°52" 7°34"



NOTE:
MAGNETIC NORTH IS CURRENT AS OF 1/30/2018.
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: .99972755 CALCULATED FROM THE N. 1/4 CORNER OF SECTION 19, T1N, R65W.
- 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 S00°24'25"E, 5200' FROM THE HEEL LOCATION.
- NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY.

WELL PAD - PETTINGER 20-18HZ

PETTINGER 18-1HZ
WELL LOCATION CERTIFICATE
979' FSL & 1836' FEL SWSE (SURFACE)
LOCATED IN SECTION 18
50' FNL & 2411' FEL NWNE (HEEL)
50' FSL & 2380' FEL SWSE (BOTTOM)
LOCATED IN SECTION 19
T1N, R65W, 6TH P.M.
WELD COUNTY, COLORADO

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



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