

T1N, R66W

W. 1/16 COR.
SEC. 11 & SEC. 14, T1N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 27269

S 89°29'57" W
1326.12' (M)

S 89°30'44" W
1325.94' (M)

S 89°47'59" W
1322.25' (M)

S 89°48'26" W
1322.23' (M)

N. 1/4 COR.
SEC. 15, T1N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 24307

E. 1/16 COR.
SEC. 10 & SEC. 15
T1N, R66W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

NE. COR.
SEC. 15, T1N, R66W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

N. 1/4 COR.
SEC. 14, T1N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 27269

N 00°18'09" W
2652.27' (M)

N 00°18'18" W
2655.13' (M)

N 00°14'21" W
2649.01' (C)

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 5155.6'
LATITUDE= 40.045685°
LONGITUDE= -104.757805°
LATITUDE= 40°02'44.466"
LONGITUDE= -104°45'28.097"
HEEL LOCATION: NAD 83
LATITUDE= 40.044744°
LONGITUDE= -104.752553°
LATITUDE= 40°02'41.079"
LONGITUDE= -104°45'09.192"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.029693°
LONGITUDE= -104.752537°
LATITUDE= 40°01'46.895"
LONGITUDE= -104°45'09.133"

CENTER 1/4 COR.
SEC. 15, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 38026

S 89°34'03" W
2652.17' (M)

S 89°40'14" W
2641.43' (C)

14

15

N 00°18'08" W
2651.63' (M)

N 00°01'38" E
2653.64' (M)

N 00°14'21" W
2647.97' (C)

JDB 15-2HZ
SURFACE LOCATION

S. 1/4 COR.
SEC. 15, T1N, R66W
FOUND 2" ALUM. CAP
ILLEGIBLE

HEEL LOCATION

S. 1/4 COR.
SEC. 14, T1N, R66W
FOUND 1 1/4" AXLE

S 89°36'34" W 2636.91' (M)

S 89°32'58" W 2653.78' (M)

SE. COR.
SEC. 15, T1N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 30120

WELLBORE CONTINUES INTO
SECTION 23 T1N, R66W

CERTIFICATE OF SURVEYOR:

MATCH LINE
SEE SHEET 2

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. § 8-91-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512
7/30/18

RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

NOTICE:
ACCORDING TO COLORADO STATE LAW YOU MUST COME TO COURT 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 6/25/2018.
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: .99972498 CALCULATED FROM THE SW. CORNER OF SECTION 15, T1N, R66W.
- OPERATOR: TRAVIS HOLLAND / PDOP = 1.3.
- 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°31'52"E, 5483' FROM THE HEEL LOCATION.

WELL PAD - JDB 16-15HZ

JDB 15-2HZ
WELL LOCATION CERTIFICATE
611' FSL & 1094' FEL SESE (SURFACE)
LOCATED IN SECTION 15
270' FSL & 379' FWL SWSW (HEEL)
LOCATED IN SECTION 14
50' FSL & 374' FWL SWSW (BOTTOM)
LOCATED IN SECTION 23
T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

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



CONSULTING, LLC

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

LOVELAND OFFICE
6706 North Franklin Avenue
Loveland, Colorado 80538
Phone 970-776-4331

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DATE DRAFTED:	7/30/18	DATE SURVEYED:	6/25/18	1
REVISED:		FILE NAME:	18-12	1 OF 2

Match Line
SEE SHEET 1

NW. COR.
SEC. 23, T1N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 30120

N. 1/4 COR.
SEC. 23, T1N, R66W
FOUND 1 1/4" AXLE

NE. COR.
SEC. 23, T1N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 28656

W. 1/4 COR.
SEC. 23, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 23027

SW. COR.
SEC. 23, T1N, R66W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 13155

S. 1/4 COR.
SEC. 23, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 12330

SE. COR.
SEC. 23, T1N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 25636

Center 1/4 COR.
SEC. 23, T1N, R66W
FOUND 1 1/2" ALUM. CAP
L.S. NO. 2682

Grid Information:
S 00°31'52" E 5483' GRID
S 00°03'06" E TRUE
S 08°06'52" E MAGNETIC

Well Location Data:
SURFACE LOCATION: NAD 83
GROUND ELEVATION= 5155.6'
LATITUDE= 40.045685°
LONGITUDE= -104.757805°
HEEL LOCATION: NAD 83
LATITUDE= 40.044744°
LONGITUDE= -104.45'28.097"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.029693°
LONGITUDE= -104.752537°
LATITUDE= 40°01'46.895"
LONGITUDE= -104°45'09.133"

Boundary Bearings and Distances:
Top: S 89°32'58" W 2653.78' (M)
Top Right: S 89°35'35" W 2653.13' (M)
Right: N 00°29'32" W 2632.83' (M)
Bottom Right: N 00°29'54" W 2632.86' (M)
Bottom: S 89°37'08" W 2648.14' (M)
Bottom Left: S 89°36'13" W 2648.25' (M)
Left: N 00°36'09" W 2630.74' (M)
Left Top: N 00°37'02" W 2631.27' (M)
Internal Vertical: N 00°32'46" W 2632.80' (M)
Internal Vertical: N 00°33'12" W 2631.70' (M)
Internal Horizontal: S 89°34'58" W 2650.52' (M)
Internal Horizontal: S 89°35'38" W 2650.66' (M)

Other Measurements:
374' (distance from SW corner to well)
50' (radius of well)

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RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 138512

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

BOTTOM OF HOLE:
50' FSL & 374' FWL

28'46" 7°35'

NOTE:
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MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

SCALE: 1" = 1000'

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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: .99972498 CALCULATED FROM THE SW. CORNER OF SECTION 15, T1N, R66W.
7. OPERATOR: TRAVIS HOLLAND / PDOP = 1.3.
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.
9. THE BOTTOM OF HOLE BEARS S00°31'52"E, 5483' FROM THE HEEL LOCATION.

JDB 15-2HZ
WELL LOCATION CERTIFICATE
611' FSL & 1094' FEL SESE (SURFACE)
LOCATED IN SECTION 15
270' FSL & 379' FWL SWSW (HEEL)
LOCATED IN SECTION 14
50' FSL & 374' FWL SWSW (BOTTOM)
LOCATED IN SECTION 23
T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO



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Sheridan, Wyoming 82801
Phone 307-674-0609

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