

T1N, R67W

NW. COR.
SEC. 11, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 25937

S 89°49'51" W 2600.96' (M)

S 89°35'05" W 2628.10' (M)

NE. COR.
SEC. 11, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

N. 1/4 COR.
SEC. 11, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 25937

LEINWEBER FED 31N-8HZ
SURFACE LOCATION

WELL BORE
CONTINUES INTO
SECTION 12

N. 1/16 COR.
SEC. 11 & SEC. 12
T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 36073

CENTER 1/4 COR.
SEC. 11, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 25937

11

W. 1/4 COR.
SEC. 11, T1N, R67W
FOUND 2" ALUM. CAP
ILLEGIBLE

S 89°38'27" W
2613.83' (M)

S 89°34'23" W
2640.12' (M)

E. 1/4 COR.
SEC. 11, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4956.3'
LATITUDE= 40.071501°
LONGITUDE= -104.849939°
LATITUDE= 40°04'17.403"
LONGITUDE= -104°50'59.780"
HEEL LOCATION: NAD 83
LATITUDE= 40.068868°
LONGITUDE= -104.847559°
LATITUDE= 40°04'07.926"
LONGITUDE= -104°50'51.211"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.068458°
LONGITUDE= -104.809595°
LATITUDE= 40°04'06.449"
LONGITUDE= -104°48'34.542"

SW. COR.
SEC. 11, T1N, R67W
FOUND 2" ALUM. CAP
ILLEGIBLE

S 89°34'27" W 2626.96' (M)

S 89°22'30" W 2638.88' (M)

SE. COR.
SEC. 11, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

25'12" 7°55'

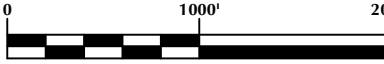
CERTIFICATE OF SURVEYOR:

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. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 18512

NOTE:
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 5/13/2016.
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 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972422 CALCULATED FROM THE NW. CORNER OF SECTION 11, T1N, R67W
- OPERATOR: ROB WILSON / PDOP = 1.6
- 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 S89°37'41"E, 10626' FROM THE HEEL LOCATION.

WELL PAD - LEINWEBER FED 31N-8HZ

LEINWEBER FED 31N-8HZ
WELL LOCATION CERTIFICATE
458' FNL & 350' FEL NENE (SURFACE)
LOCATED IN SECTION 11
1416' FNL & 305' FWL SWNW (HEEL)
LOCATED IN SECTION 12
T1N, R67W, 6TH P.M.
1644' FNL & 249' FWL SWNW (BOTTOM)
LOCATED IN SECTION 8
T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

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



CONSULTING, LLC

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

LOVELAND OFFICE
1635 Foxtrail Drive, Suite 204
Loveland, Colorado 80538
Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	RKF	SHEET NO:
DATE DRAFTED:	6/27/16	DATE SURVEYED:	4/25/16	1
REVISED:		FILE NAME:	16-33	1 OF 4

N. 1/4 COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

NW. COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372 ▲

S 89°47'20" W 2620.77' (M)

S 89°27'26" W 2646.38' (M)

NE. COR.
SEC. 12, T1N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13155

N. 1/16 COR. SEC. 11 & SEC. 12
T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 36073

NW. 1/16 COR. 131
 SEC. 12, T1N, R67W
 FOUND 2 1/2" ALUM. CAP
 P.L.S. NO. 38046

CN. 1/16 COR.
SEC. 12, T1N, R67W
ROUND 2" ALUM. CAP
L.S. NO. 11372

S 89°37'41" E 10626' GRID
S 89°12'29" E TRUE
N 82°27'19" E MAGNETIC

WELL BORE
CONTINUES INTO
SECTION 7, T1N, R66W

W. 1/4 COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

§ 89°40'27" W

S 89°38'27" W
1305.93' (M)

S 89°42'32" W
1323.39' (M)

S 89°40'36" W
1317.91' (M)

E. 1/4 COR.
SEC. 12, T1N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13155

CW. 1/16 COR.
 SEC. 12, T1N, R67W
 FOUND 2" ALUM. CAP
 WITNESS COR. 10' NORTH OF
 CORNER POSITION
 L.S. NO. 11372

CENTER 1/4 COR.
SEC. 12, T1N, R67W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4956.3'
LATITUDE= 40.071501°
LONGITUDE= -104.849939°
LATITUDE= 40°04'17.4433"
LONGITUDE= -104°50'59.780"
HEEL LOCATION: NAD 83
LATITUDE= 40.068868°
LONGITUDE= -104.847559°
LATITUDE= 40°04'07.926"
LONGITUDE= -104°50'51.211"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.068458°
LONGITUDE= -104.809595°
LATITUDE= 40°04'06.449"
LONGITUDE= -104°48'34.542"

**MATCH LINE
SEE SHEET 1**

SW. COR.
SEC. 12, T1N, R67W 4
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

S 89°29'55" W 2635.51' (M)

S 89°29'33" W 2617.13' (M)

SE. COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

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RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER

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NOTE:
MAGNETIC NORTH IS CURRENT AS OF 5/13/2016.
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

SCALE: 1" = 1000'

1. ▲ INDICATES SECTION CORNER
2. ● INDICATES CALCULATED CORNER
3. ELEVATION BASED ON NAVD88 (GEOID12B)
4. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE.
5. ALL MEASURED DISTANCES ARE GRID.
6. COMBINED SCALE FACTOR: .99972422 CALCULATED FROM THE NW. CORNER OF SECTION 11, T1N, R67W
7. OPERATOR: ROB WILSON / PDOP = 1.6
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 S89°37'41"E, 10626' FROM THE HELL LOCATION.

WELL PAD - LEINWEBER FED 31N-8HZ

LEINWEBER FED 31N-8HZ
WELL LOCATION CERTIFICATE
458' FNL & 350' FEL NENE (SURFACE)
LOCATED IN SECTION 11
1416' FNL & 305' FWL SWNW (HEEL)
LOCATED IN SECTION 12
T1N, R67W, 6TH P.M.
1644' FNL & 249' FWL SWNW (BOTTOM)
LOCATED IN SECTION 8
T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

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DATE SURVEYED: 4/25/16

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REVISÉ:

FILE NAME:

16-33 2 OF 4

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T1N, R66W

E. 1/16 COR.
SEC. 6 & SEC. 7, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

NW. COR.
SEC. 7, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13155

S 87°42'42" W 2789.45' (M)

S 89°45'52" W
1318.81' (M)

S 89°41'56" W
1320.11' (M)

NE. COR.
SEC. 7, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 30830

N. 1/4 COR.
SEC. 7, T1N, R66W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

S 89°37'41" E 10626' GRID
S 89°12'29" E TRUE
N 82°27'19" E MAGNETIC

WELL BORE
CONTINUES INTO
SECTION 8

CENTER 1/4 COR.
SEC. 7, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

S 88°40'40" W
2631.87' (M)

E. 1/4 COR.
SEC. 7, T1N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 30830

W. 1/4 COR.
SEC. 7, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13155

S 88°43'42" W
2779.47' (M)

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4956.3'
LATITUDE= 40.071501°
LONGITUDE= -104.849939°
LATITUDE= 40°04'17.403"
LONGITUDE= -104°50'59.780"
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LATITUDE= 40°04'06.449"
LONGITUDE= -104°48'34.542"

MATCH LINE
SEE SHEET 2

MATCH LINE
SEE SHEET 4

SW. COR.
SEC. 7, T1N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

S 88°52'40" W 2771.39' (M)

S 89°04'50" W
1317.00' (M)

S 89°04'10" W
1317.17' (M)

SE. COR.
SEC. 7, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 25942

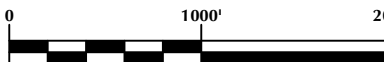
S. 1/4 COR.
SEC. 7, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

E. 1/16 COR.
SEC. 7 & SEC. 18, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

25'12" 7°55'



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- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 OF THE ORIGINAL GLO SURVEY.
- THE BOTTOM OF HOLE BEARS S89°37'41"E, 10626' FROM THE HEEL LOCATION.

CERTIFICATE OF SURVEYOR:

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Randall K. French
PROFESSIONAL LAND SURVEYOR
6/27/16

RANDALL K. FRENCH
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WELL PAD - LEINWEBER FED 31N-8HZ

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