

T1N, R67W

WELLBORE CONTINUES INTO SECTION 13

MATCH LINE SEE SHEET 2

NW. COR.
SEC. 24, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

W. 1/4 COR.
SEC. 24, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 23027

SW. COR.
SEC. 24, T1N, R67W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 9644

N. 1/4 COR.
SEC. 24, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

24
CENTER 1/4 COR.
SEC. 24, T1N, R67W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

S. 1/4 COR.
SEC. 24, T1N, R67W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 36073

NE. COR.
SEC. 24, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 20671

N. 1/16 COR.
SEC. 24, T1N, R67W
SEC. 19, T1N, R66W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

E. 1/4 COR.
SEC. 24, T1N, R67W
SET 2 1/2" ALUM. CAP
W.C. 125' N. OF
CORNER POSITION
P.L.S. NO. 38512

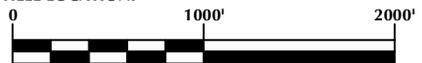
SE. COR.
SEC. 24, T1N, R67W
FOUND 2" ALUM. CAP
ILLEGIBLE

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4940.1'
LATITUDE= 40.030334°
LONGITUDE= -104.841825°
LATITUDE= 40°01'49.204"
LONGITUDE= -104°50'30.572"
HEEL LOCATION: NAD 83
LATITUDE= 40.031847°
LONGITUDE= -104.839681°
LATITUDE= 40°01'54.648"
LONGITUDE= -104°50'22.852"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.058124°
LONGITUDE= -104.839681°
LATITUDE= 40°03'29.246"
LONGITUDE= -104°50'22.852"

QUARTER CIRCLE 24-9HZ
SURFACE LOCATION

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: .99973172 CALCULATED FROM THE SE. CORNER OF SECTION 24, T1N, R67W
- 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 N00°25'35"W, 9572' FROM THE HEEL LOCATION.



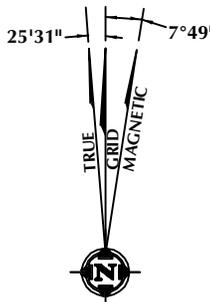
CERTIFICATE OF SURVEYOR:

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 THESE 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
PROFESSIONAL LAND SURVEYOR
4/18/17

RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 18512

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.



NOTE: MAGNETIC NORTH IS CURRENT AS OF 2/7/2017. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

WELL PAD - QUARTER CIRCLE 24-8HZ

QUARTER CIRCLE 24-9HZ
WELL LOCATION CERTIFICATE
343' FSL & 1834' FWL SESW (SURFACE)
891' FSL & 2437' FWL SESW (HEEL)
LOCATED IN SECTION 24
51' FNL & 2477' FWL NENW (BOTTOM)
LOCATED IN SECTION 13
T1N, R67W, 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
1635 Foxtrail Drive, Suite 204
Loveland, Colorado 80538
Phone 970-776-4331

DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 1
DATE DRAFTED: 4/18/17	DATE SURVEYED: 12/8/16	
REVISED:	FILE NAME: 14-102	1 OF 2

T1N, R67W

E. 1/16 COR.
SEC. 12 & SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

NW. COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

NE. COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

W. 1/4 COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

CENTER 1/4 COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

E. 1/4 COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

S. 1/16 COR.
SEC. 13 & SEC. 14
T1N, R67W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

13

SURFACE LOCATION: NAD 83
GROUND ELEVATION=4940.1'
LATITUDE= 40.030334°
LONGITUDE= -104.841825°
HEEL LOCATION: NAD 83
LATITUDE= 40.0149.204°
LONGITUDE= -104°50'30.572"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.058124°
LONGITUDE= -104.839681°
LATITUDE= 40°01'54.648"
LONGITUDE= -104°50'22.852"
LATITUDE= 40°03'29.246"
LONGITUDE= -104°50'22.852"

S. 1/16 COR.
SEC. 13, T1N, R67W &
SEC. 18, T1N, R66W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

SE. COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 20671

SW. COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

S. 1/4 COR.
SEC. 13, T1N, R67W
FOUND 2 1/2" ALUM. CAP
R.L.S. NO. 11372

MATCH LINE
SEE SHEET 1

NOTES:

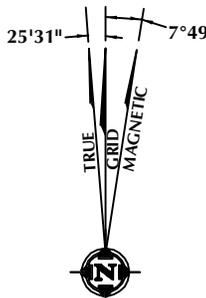
- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID12B)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
- COMBINED SCALE FACTOR: .99973172 CALCULATED FROM THE SE. CORNER OF SECTION 24, T1N, R67W
- 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 N00°25'35"W, 9572' FROM THE HEEL LOCATION.

CERTIFICATE OF SURVEYOR:

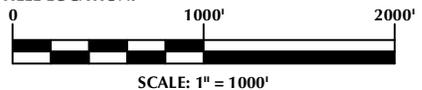
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THESE ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 18512
4/18/17

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.



NOTE: MAGNETIC NORTH IS CURRENT AS OF 2/7/2017. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



WELL PAD - QUARTER CIRCLE 24-8HZ

QUARTER CIRCLE 24-9HZ
WELL LOCATION CERTIFICATE
343' FSL & 1834' FWL SESW (SURFACE)
891' FSL & 2437' FWL SESW (HEEL)
LOCATED IN SECTION 24
51' FNL & 2477' FWL NENW (BOTTOM)
LOCATED IN SECTION 13
T1N, R67W, 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
1635 Foxtrail Drive, Suite 204
Loveland, Colorado 80538
Phone 970-776-4331

DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 2
DATE DRAFTED: 4/18/17	DATE SURVEYED: 12/8/16	
REVISED:	FILE NAME: 14-102	2 OF 2