

T1N, R66W

NW. COR.
SEC. 9, T1N, R66W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

S 89°14'02" W 2651.03' (M)

N. 1/4 COR.
SEC. 9, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13155

S 89°00'20" W
1325.34' (M)

E. 1/16 COR.
SEC. 4 & SEC. 9
T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

S 88°59'19" W
1325.59' (M)

NE. COR.
SEC. 9, T1N, R66W
FOUND 2" ALUM. CAP
ILLEGIBLE

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4994.3'
LATITUDE= 40.072127°
LONGITUDE= -104.778003°
LATITUDE= 40°04'19.657"
LONGITUDE= -104°46'40.811"
HEEL LOCATION: NAD 83
LATITUDE= 40.069438°
LONGITUDE= -104.778780°
LATITUDE= 40°04'09.978"
LONGITUDE= -104°46'43.610"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.051388°
LONGITUDE= -104.778816°
LATITUDE= 40°03'04.997"
LONGITUDE= -104°46'43.738"

HIGHLANDS
15N-16HZ
SURFACE LOCATION

HEEL LOCATION

CENTER 1/4 COR.
SEC. 9, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 38046

S 89°35'15" W
2641.94' (M)

S 89°35'39" W
2644.15' (M)

W. 1/4 COR.
SEC. 9, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

N 00°47'43" W
1320.25' (M)

9

CS. 1/16 COR.
SEC. 9, T1N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 38046

S 89°03'21" W
1318.84' (M)
SW. 1/16 COR.
SEC. 9, T1N, R66W
FOUND 3 1/4" ALUM. CAP
W.C. 25' NORTH
L.S. NO. 30086

S 00°22'45" E 6575' GRID
S 00°05'17" W TRUE
S 08°18'45" E MAGNETIC

N 00°36'41" W
1307.82' (M)

N 00°36'51" W
1307.64' (M)

N. 1/16 COR.
SEC. 9 & SEC. 10
T1N, R66W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

N 00°28'13" W
1341.61' (M)

E. 1/4 COR.
SEC. 9, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 34995

N 00°28'42" W
1293.35' (M)

S. 1/16 COR.
SEC. 9 & SEC. 10
T1N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 38046

N 00°28'54" W
1293.26' (M)

SE. COR.
SEC. 9, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 30086

S 88°58'05" W 2638.21' (M)

WELL BORE CONTINUES
INTO SECTION 16

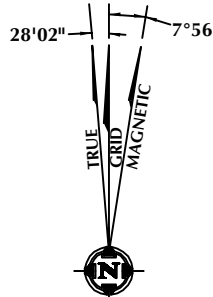
MATCH LINE
SEE SHEET 2

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. 38-51-302 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

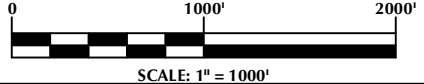
NOTICE:
ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE ON THE CERTIFICATION SHOWN HEREON.



NOTE:
MAGNETIC NORTH IS CURRENT AS OF 6/12/2015.
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

NOTES:

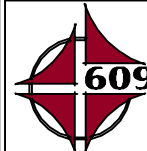
- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
COMBINED SCALE FACTOR: .99972674 CALCULATED FROM THE N. 1/4 CORNER OF SECTION 9, T1N, R66W
- 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°22'45"E, 6575' FROM THE HEEL LOCATION.



WELL PAD - HIGHLANDS 27C-33HZ

HIGHLANDS 15N-16HZ
WELL LOCATION CERTIFICATE
320' FNL & 1469' FEL NWNE (SURFACE)
1297' FNL & 1687' FEL NWNE (HEEL)
LOCATED IN SECTION 9
2600' FNL & 1698' FEL SWNE (BOTTOM)
LOCATED IN SECTION 16
T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

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



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Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	RKF	SHEET NO:
DATE DRAFTED:	6/19/15	DATE SURVEYED:	3/13/15	1
REVISED:	6/23/16	FILE NAME:	14-116	1 OF 2

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