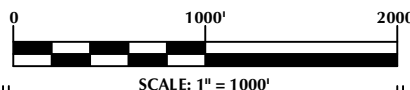
**CERTIFICATE OF SURVEYOR:**

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*  
**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 3/14/2017.  
 MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

**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: .99972252 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 27, T3N, R68W
- OPERATOR: ROB WILSON / PDOP = 1.1
- 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°00'42"E, 7038' FROM THE HEEL LOCATION.

**WELL PAD - PUTTER 27-5HZ**

PUTTER 27-7HZ  
 WELL LOCATION CERTIFICATE  
 358' FNL & 1241' FWL NWNW (SURFACE)  
 136' FNL & 2320' FWL NENW (HEEL)  
 LOCATED IN SECTION 27  
 1884' FNL & 2274' FWL SENW (BOTTOM)  
 LOCATED IN SECTION 34  
 T3N, R68W, 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:
DATE DRAFTED:	3/21/17	DATE SURVEYED:	3/14/17	<b>1</b>
REVISED:		FILE NAME:	16-180	1 OF 2

T3N, R68W

MATCH LINE  
SEE SHEET 1

NW. COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 34591

N. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 38459

NE. COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 29420

W. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/4" ALUM. CAP  
P.L.S. NO. 34591

CENTER 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 7735

E. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 29420

SW. COR.  
SEC. 34, T3N, R68W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 36073

S. 1/4 COR.  
SEC. 34, T3N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 18482

SE. COR.  
SEC. 34, T3N, R68W  
FOUND TWO 1" BRASS PLUG  
REFERENCE MONUMENTS  
PER CORNER RECORD  
L.S. NO. 29420

**34**

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 4978.5'  
LATITUDE= 40.203156°  
LONGITUDE= -104.993935°  
LATITUDE= 40°12'11.362"  
LONGITUDE= -104°59'38.165"  
HEEL LOCATION: NAD 83  
LATITUDE= 40.203776°  
LONGITUDE= -104.990073°  
LATITUDE= 40°12'13.594"  
LONGITUDE= -104°59'24.264"  
BOTTOM HOLE LOCATION: NAD 83  
LATITUDE= 40.184457°  
LONGITUDE= -104.990213°  
LATITUDE= 40°11'04.045"  
LONGITUDE= -104°59'24.767"

#### 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.

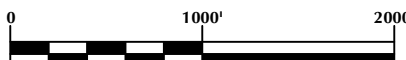
*Randall K. French*  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 18512  
3/21/17

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.

19'37" 8'01"



NOTE:  
MAGNETIC NORTH IS CURRENT AS OF 3/14/2017.  
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: .99972252 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 27, T3N, R68W
- OPERATOR: ROB WILSON / PDOP = 1.1
- 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°00'42"E, 7038' FROM THE HEEL LOCATION.

#### WELL PAD - PUTTER 27-5HZ

PUTTER 27-7HZ  
WELL LOCATION CERTIFICATE  
358' FNL & 1241' FWL NWNW (SURFACE)  
136' FNL & 2320' FWL NENW (HEEL)  
LOCATED IN SECTION 27  
1884' FNL & 2274' FWL SENW (BOTTOM)  
LOCATED IN SECTION 34  
T3N, R68W, 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:
DATE DRAFTED:	3/21/17	DATE SURVEYED:	3/14/17	2
REVISED:		FILE NAME:	16-180	2 OF 2