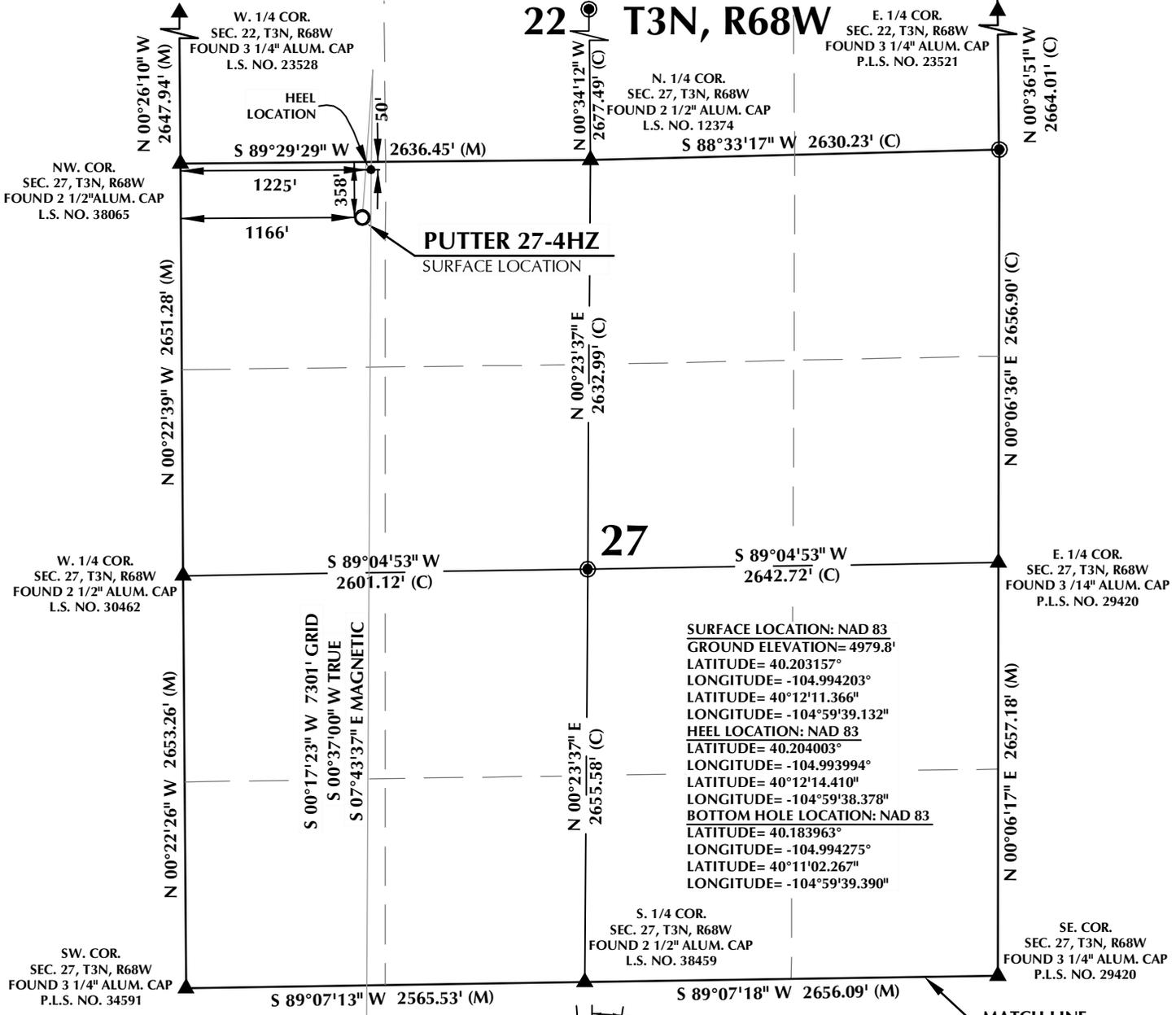


# 22 T3N, R68W



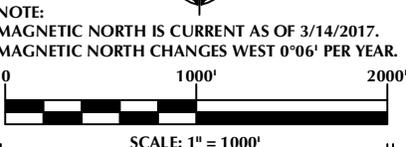
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*Randall K. French*  
**RANDALL K. FRENCH**  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 38512  
 3/21/17

**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.

WELLBORE CONTINUES INTO SECTION 34



### 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 = 1.4
- 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°17'23"W, 7301' FROM THE HEEL LOCATION.

MATCH LINE SEE SHEET 2

### WELL PAD - PUTTER 27-5HZ

**PUTTER 27-4HZ**  
**WELL LOCATION CERTIFICATE**  
 358' FNL & 1166' FWL NWNW (SURFACE)  
 50' FNL & 1225' FWL NWNW (HEEL)  
 LOCATED IN SECTION 27  
 2053' FNL & 1139' FWL SWNW (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: <b>1</b> 1 OF 2
DATE DRAFTED: 3/21/17	DATE SURVEYED: 3/14/17	
REVISED:	FILE NAME: 16-180	

# 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

N 00°24'48" W 2658.36' (M)

S 89°07'13" W 2565.53' (M)

S 89°07'18" W 2656.09' (M)

N 00°56'15" W 2679.14' (M)

N 00°34'46" W  
2658.30' (M)

1139'

723'

147'

1433'

BOTTOM OF HOLE:  
2053' FNL & 1139' FWL

S 89°07'12" W  
2573.24' (M)

S 89°34'09" W  
2673.26' (M)

**34**

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

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

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

N 00°19'08" W 2650.75' (M)

N 01°56'13" W  
2695.71' (M)

N 00°56'44" W 2679.24' (M)

SURFACE LOCATION: NAD 83  
GROUND ELEVATION= 4979.8'  
LATITUDE= 40.203157°  
LONGITUDE= -104.994203°  
LATITUDE= 40°12'11.366"  
LONGITUDE= -104°59'39.132"  
HEEL LOCATION: NAD 83  
LATITUDE= 40.204003°  
LONGITUDE= -104.993994°  
LATITUDE= 40°12'14.410"  
LONGITUDE= -104°59'38.378"  
BOTTOM HOLE LOCATION: NAD 83  
LATITUDE= 40.183963°  
LONGITUDE= -104.994275°  
LATITUDE= 40°11'02.267"  
LONGITUDE= -104°59'39.390"

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

N 89°54'53" W 2649.30' (M)

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

S 89°13'40" W 2626.52' (M)

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

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'

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