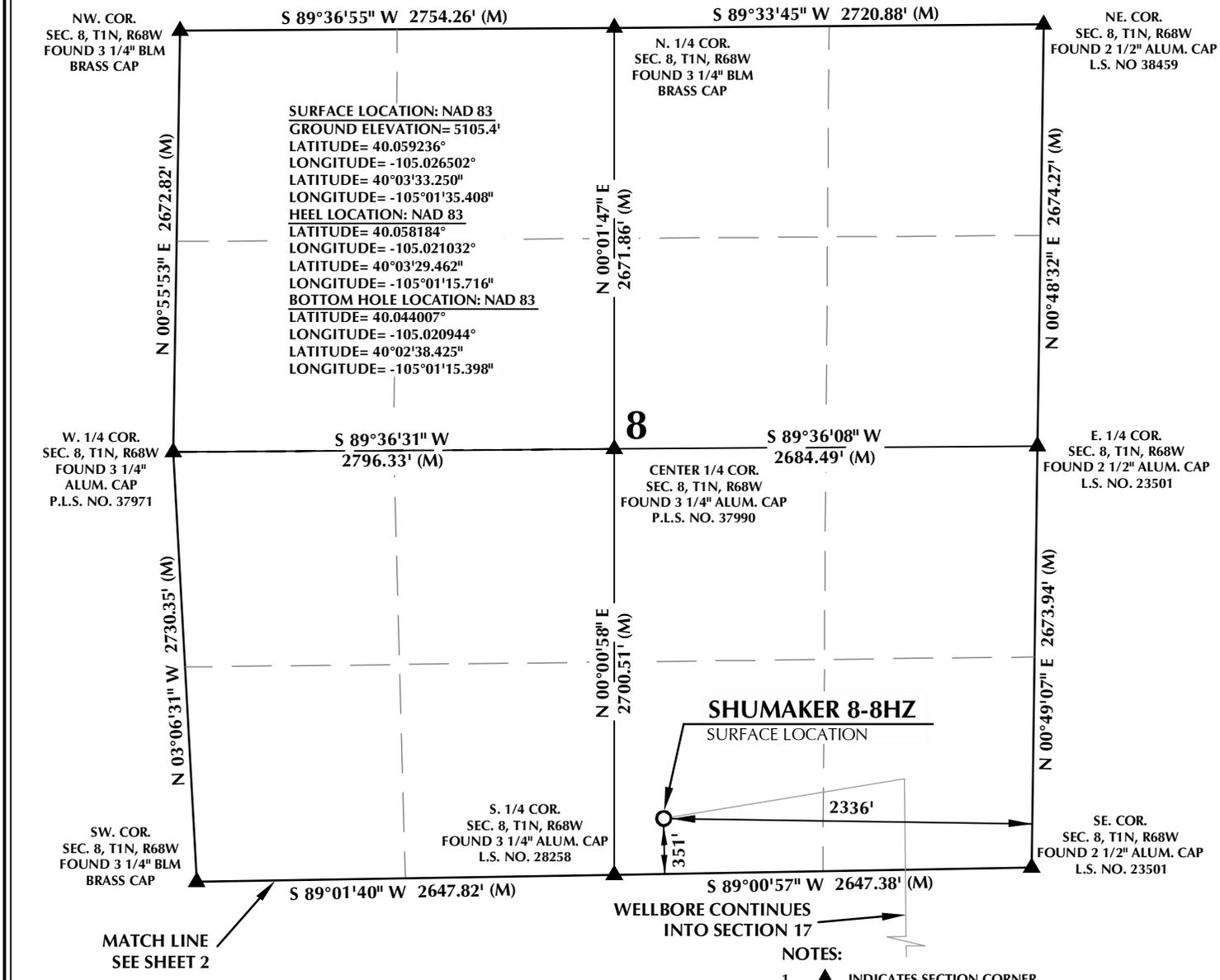


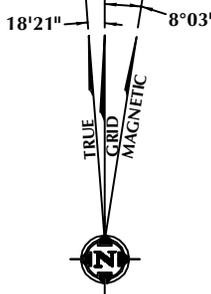
# T1N, R68W



**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 5105.4'  
 LATITUDE= 40.059236°  
 LONGITUDE= -105.026502°  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.058184°  
 LONGITUDE= -105.021032°  
 LATITUDE= 40°03'33.250"  
 LONGITUDE= -105°01'35.408"  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.044007°  
 LONGITUDE= -105.020944°  
 LATITUDE= 40°02'38.425"  
 LONGITUDE= -105°01'15.398"

N 00°01'47" E  
2671.86' (M)

N 00°00'58" E  
2700.51' (M)



- 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: .99972035 CALCULATED FROM THE S. 1/4 CORNER OF SECTION 17, T1N, 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°35'01"E, 5164' FROM THE HEEL LOCATION.
- SCALE: 1" = 1000'

**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 18512  
 3/24/17

**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 BE 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 3/20/2017.  
 MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.

**WELL PAD - SHUMAKER 8-5HZ**

SHUMAKER 8-8HZ  
 WELL LOCATION CERTIFICATE  
 351' FSL & 2336' FEL SWSE (SURFACE)  
 LOCATED IN SECTION 8  
 50' FNL & 799' FEL NENE (HEEL)  
 50' FSL & 766' FEL SESE (BOTTOM)  
 LOCATED IN SECTION 17  
 T1N, R68W, 6TH P.M.  
 WELD COUNTY, COLORADO

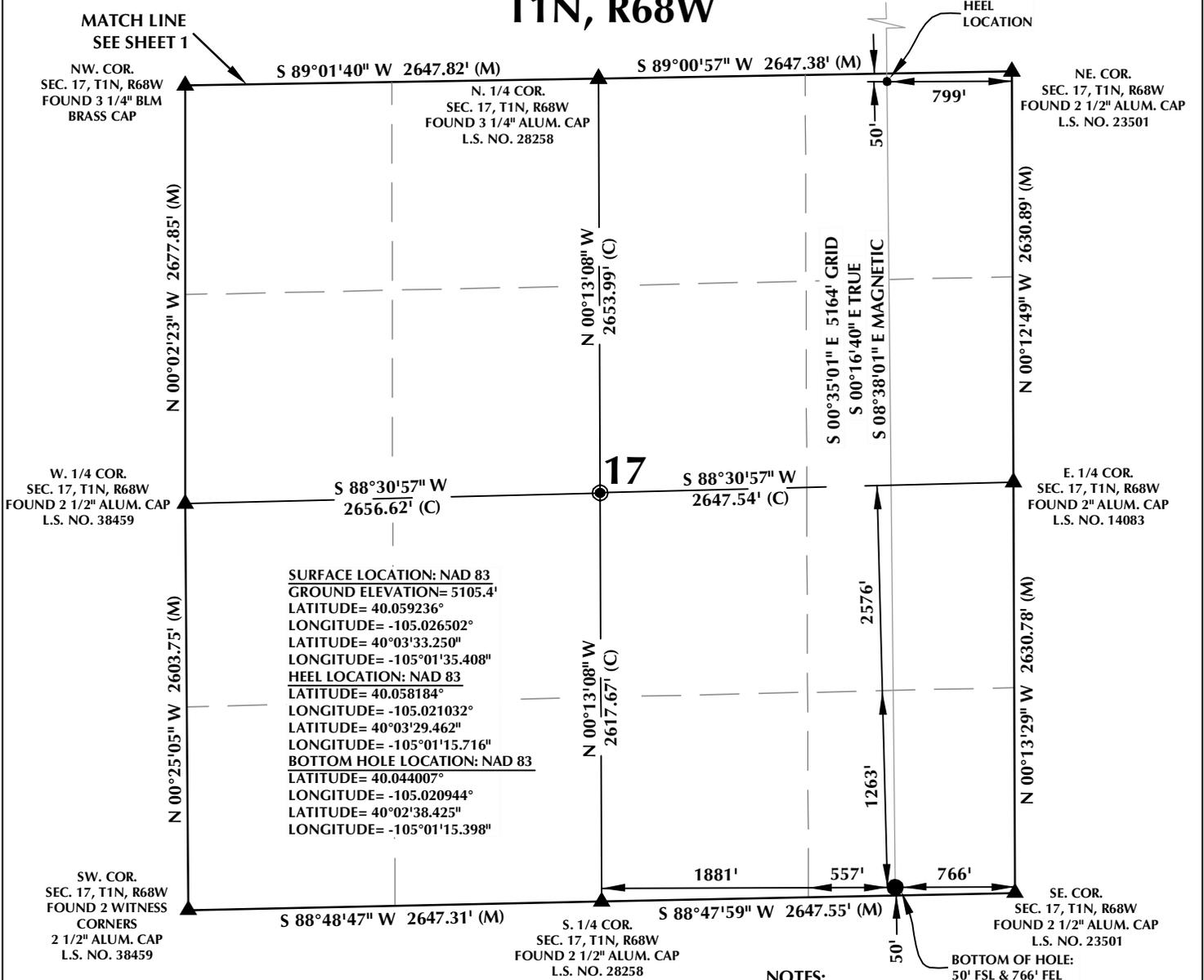
**Kerr-McGee Oil & Gas Onshore L.P.**  
 1099 18th Street  
 Denver, Colorado 80202

**609 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

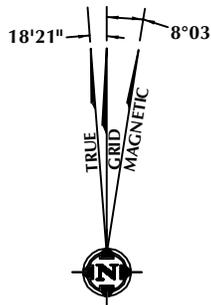
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DATE DRAFTED: 3/24/17	DATE SURVEYED: 3/2/17	
REVISED:	FILE NAME: 16-04	

# T1N, R68W

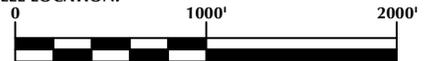


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**COLORADO REGISTRATION NUMBER 18512**  
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DATE DRAFTED: 3/24/17	DATE SURVEYED: 3/2/17	
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