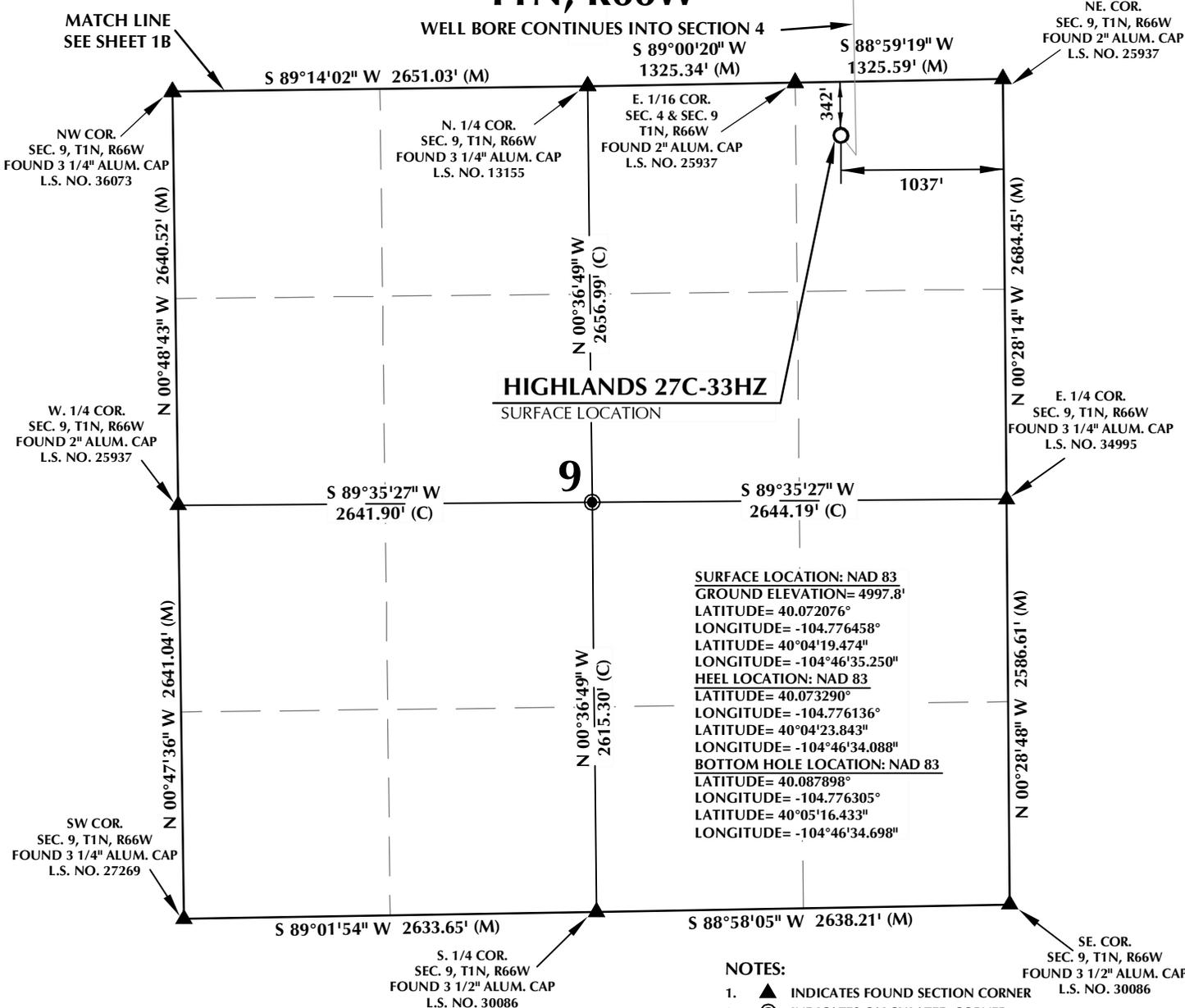


# T1N, R66W

WELL BORE CONTINUES INTO SECTION 4



**HIGHLANDS 27C-33HZ**  
SURFACE LOCATION

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 4997.8'  
LATITUDE= 40.072076°  
LONGITUDE= -104.776458°  
LATITUDE= 40°04'19.474"  
LONGITUDE= -104°46'35.250"  
**HEEL LOCATION: NAD 83**  
LATITUDE= 40.073290°  
LONGITUDE= -104.776136°  
LATITUDE= 40°04'23.843"  
LONGITUDE= -104°46'34.088"  
**BOTTOM HOLE LOCATION: NAD 83**  
LATITUDE= 40.087898°  
LONGITUDE= -104.776305°  
LATITUDE= 40°05'16.433"  
LONGITUDE= -104°46'34.698"

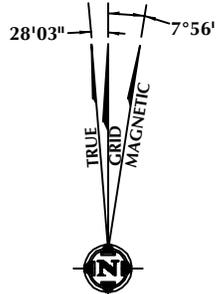
**CERTIFICATE OF SURVEYOR:**

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.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Benjamin J. Reenders*  
PROFESSIONAL LAND SURVEYOR  
6/19/15

BENJAMIN J. REENDERS  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 4836

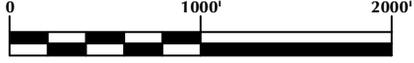
**NOTICE:**  
ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE ON THE CERTIFICATION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



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

**NOTES:**

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972674
- OPERATOR: ROB WILSON / PDOP = 1.3
- 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°58'41"W, 5322' FROM THE HEEL LOCATION.



**WELL PAD - HIGHLANDS 27C-33HZ**

HIGHLANDS 27C-33HZ  
WELL LOCATION CERTIFICATE  
342' FNL & 1037' FEL NENE (SURFACE)  
LOCATED IN SECTION 9  
99' FSL & 947' FEL SESE (HEEL)  
LOCATED IN SECTION 4  
T1N, R66W, 6TH P.M.  
200' FSL & 1011' FEL SESE (BOTTOM)  
LOCATED IN SECTION 33  
T2N, R66W, 6TH P.M.  
WELD COUNTY, COLORADO

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



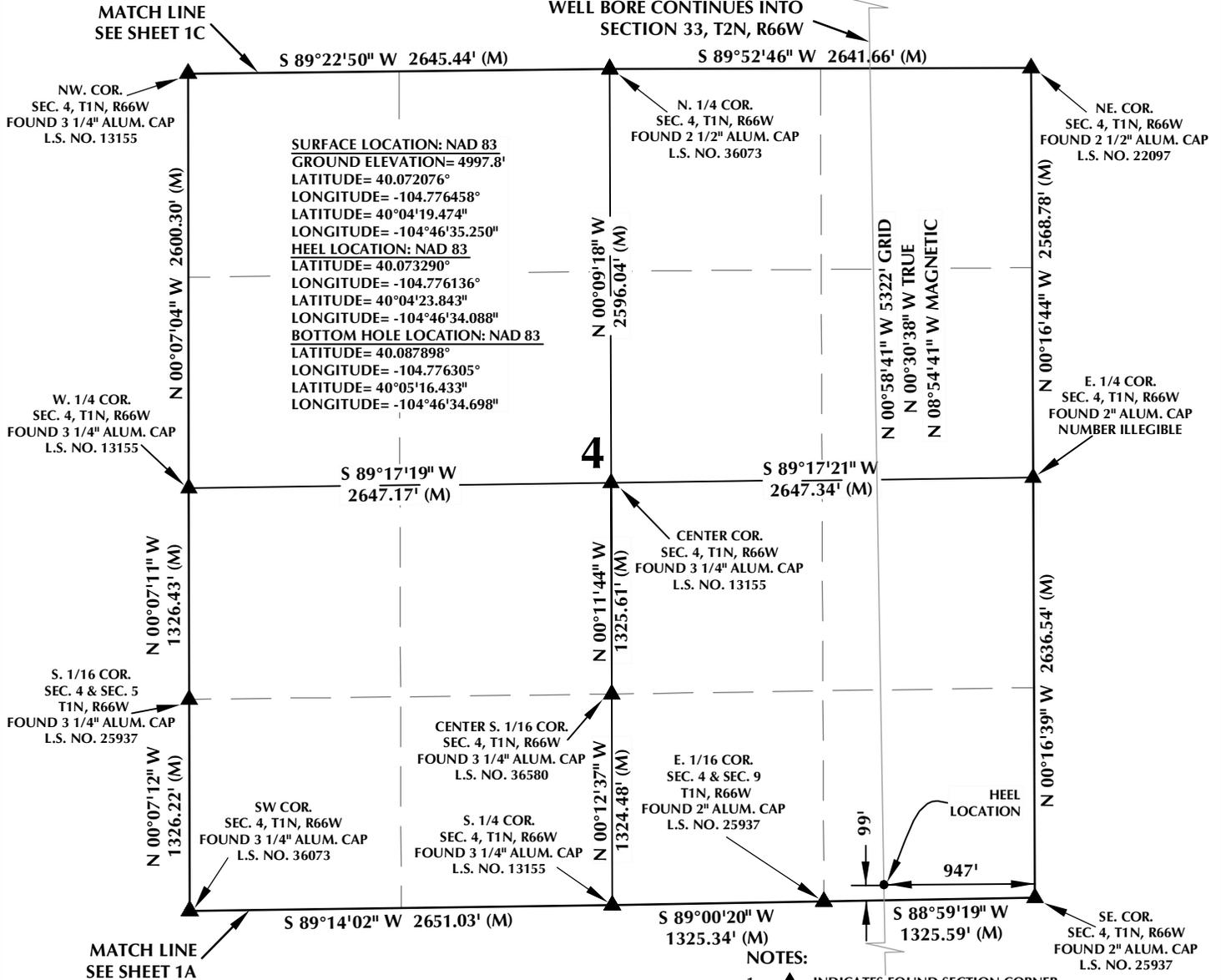
**CONSULTING, LLC**  
SHERIDAN OFFICE  
1095 Saberton Avenue  
Sheridan, Wyoming 82801  
Phone 307-674-0609  
LOVELAND OFFICE  
1635 Foxtrail Drive, Suite 204  
Loveland, Colorado 80538  
Phone 970-776-4331

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DATE DRAFTED: 6/19/15	DATE SURVEYED: 3/13/15	
REVISED:	FILE NAME: 14-116	

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# T1N, R66W

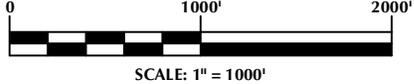
WELL BORE CONTINUES INTO SECTION 33, T2N, R66W



**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4997.8'  
 LATITUDE= 40.072076°  
 LONGITUDE= -104.776458°  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.073290°  
 LONGITUDE= -104.776136°  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.087898°  
 LONGITUDE= -104.776305°  
 LATITUDE= 40°05'16.433"  
 LONGITUDE= -104°46'34.698"

**NOTES:**

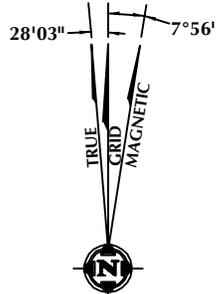
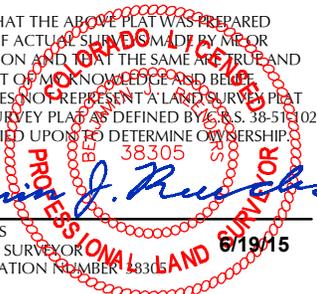
- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99972674
- OPERATOR: ROB WILSON / PDOP = 1.3
- 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°58'41"W, 5322' FROM THE HEEL LOCATION.



**CERTIFICATE OF SURVEYOR:**

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*Benjamin J. Reenders*  
 BENJAMIN J. REENDERS  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 4836



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

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 342' FNL & 1037' FEL NENE (SURFACE)  
 LOCATED IN SECTION 9  
 99' FSL & 947' FEL SESE (HEEL)  
 LOCATED IN SECTION 4  
 T1N, R66W, 6TH P.M.  
 200' FSL & 1011' FEL SESE (BOTTOM)  
 LOCATED IN SECTION 33  
 T2N, R66W, 6TH P.M.  
 WELD COUNTY, COLORADO

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



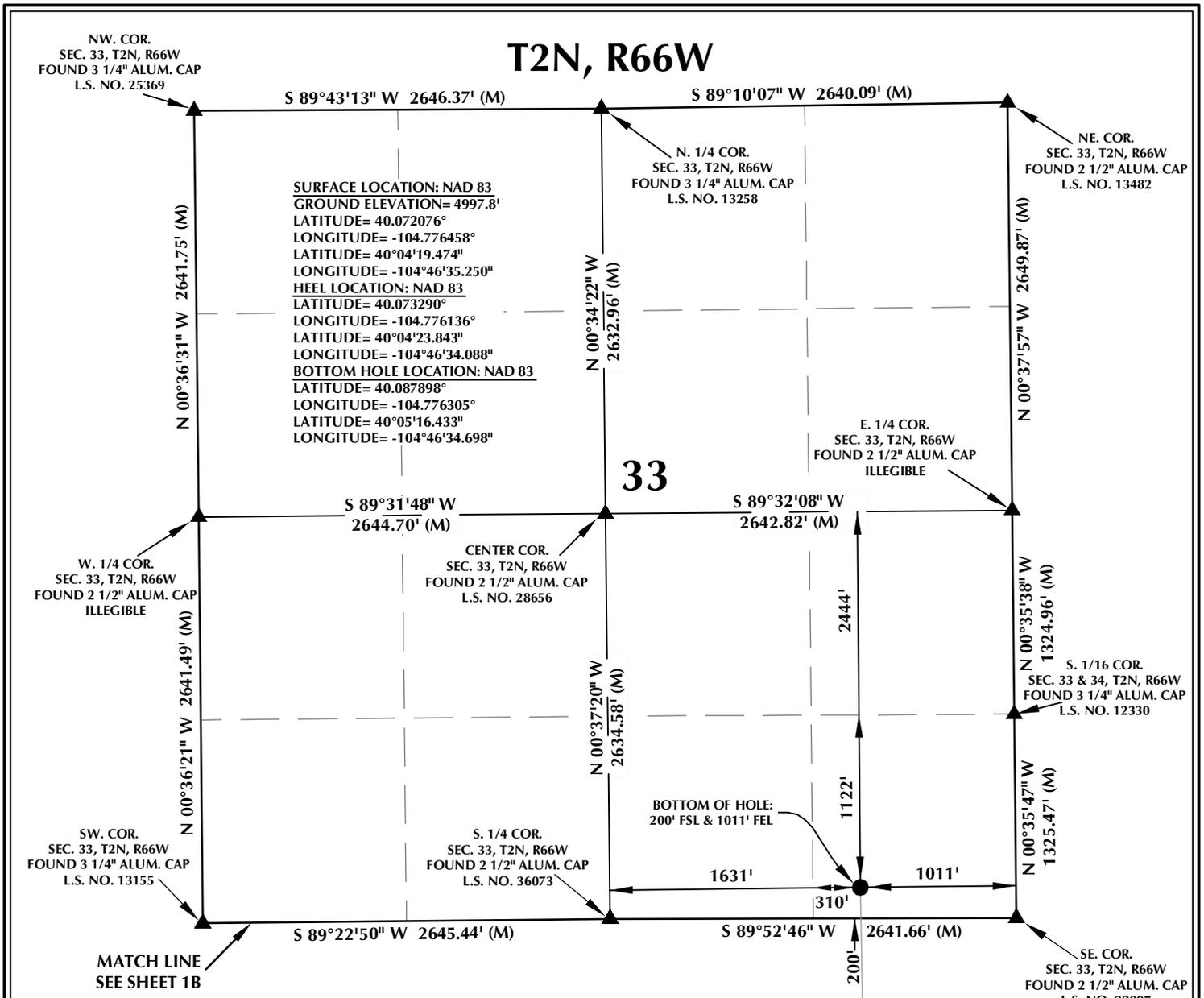
**CONSULTING, LLC**

**SHERIDAN OFFICE**  
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DATE DRAFTED: 6/19/15	DATE SURVEYED: 3/13/15	
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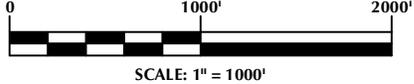
# T2N, R66W



**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4997.8'  
 LATITUDE= 40.072076°  
 LONGITUDE= -104.776458°  
 LATITUDE= 40°04'19.474"  
 LONGITUDE= -104°46'35.250"  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.073290°  
 LONGITUDE= -104.776136°  
 LATITUDE= 40°04'23.843"  
 LONGITUDE= -104°46'34.088"  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.087898°  
 LONGITUDE= -104.776305°  
 LATITUDE= 40°05'16.433"  
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**NOTES:**

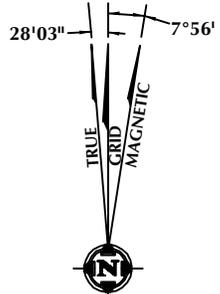
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- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID.
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