

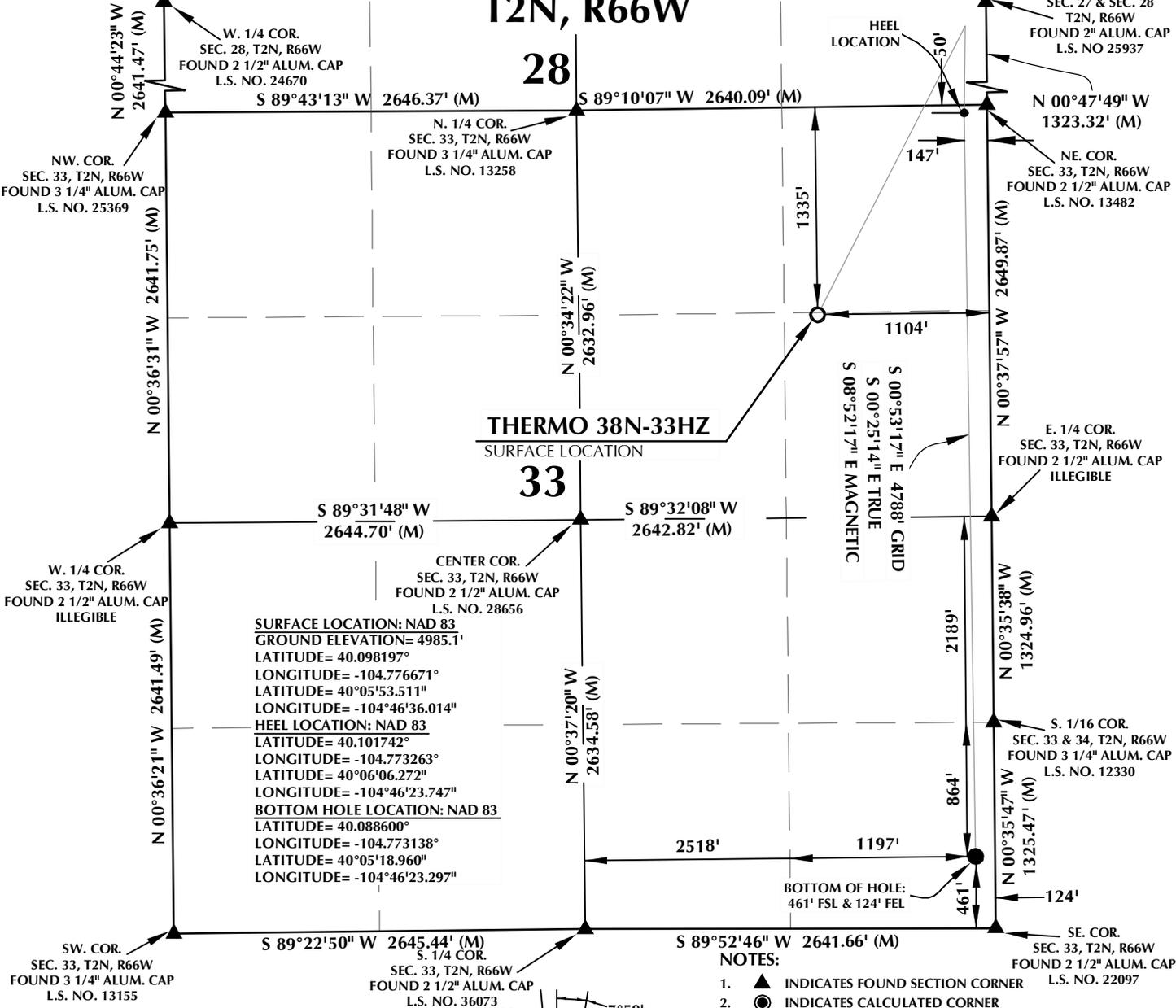
T2N, R66W

28

THERMO 38N-33HZ  
SURFACE LOCATION

33

38305

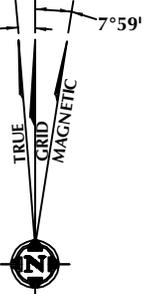
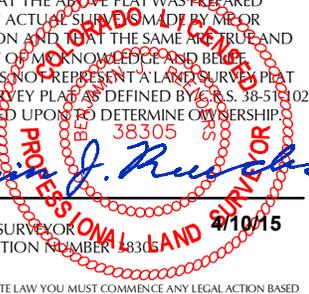


**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4985.1'  
 LATITUDE= 40.098197°  
 LONGITUDE= -104.776671°  
 LATITUDE= 40°05'53.511"  
 LONGITUDE= -104°46'36.014"  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.101742°  
 LONGITUDE= -104.773263°  
 LATITUDE= 40°06'06.272"  
 LONGITUDE= -104°46'23.747"  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.088600°  
 LONGITUDE= -104.773138°  
 LATITUDE= 40°05'18.960"  
 LONGITUDE= -104°46'23.297"

**CERTIFICATE OF SURVEYOR:**

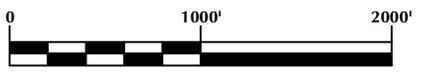
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Benjamin J. Reenders*  
 BENJAMIN J. REENDERS  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 4832



NOTE:  
 MAGNETIC NORTH IS CURRENT AS OF 01/07/2015.  
 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: .99972543
  - OPERATOR: ROB WILSON / PDOP = 1.6
  - 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°53'17"E 4788' FROM THE HEEL LOCATION.



**WELL PAD - THERMO 37N-33HZ**

**THERMO 38N-33HZX**  
**WELL LOCATION CERTIFICATE**  
 1335' FNL & 1104' FEL SENE (SURFACE)  
 50' FNL & 147' FEL NENE (HEEL)  
 461' FSL & 124' 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



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