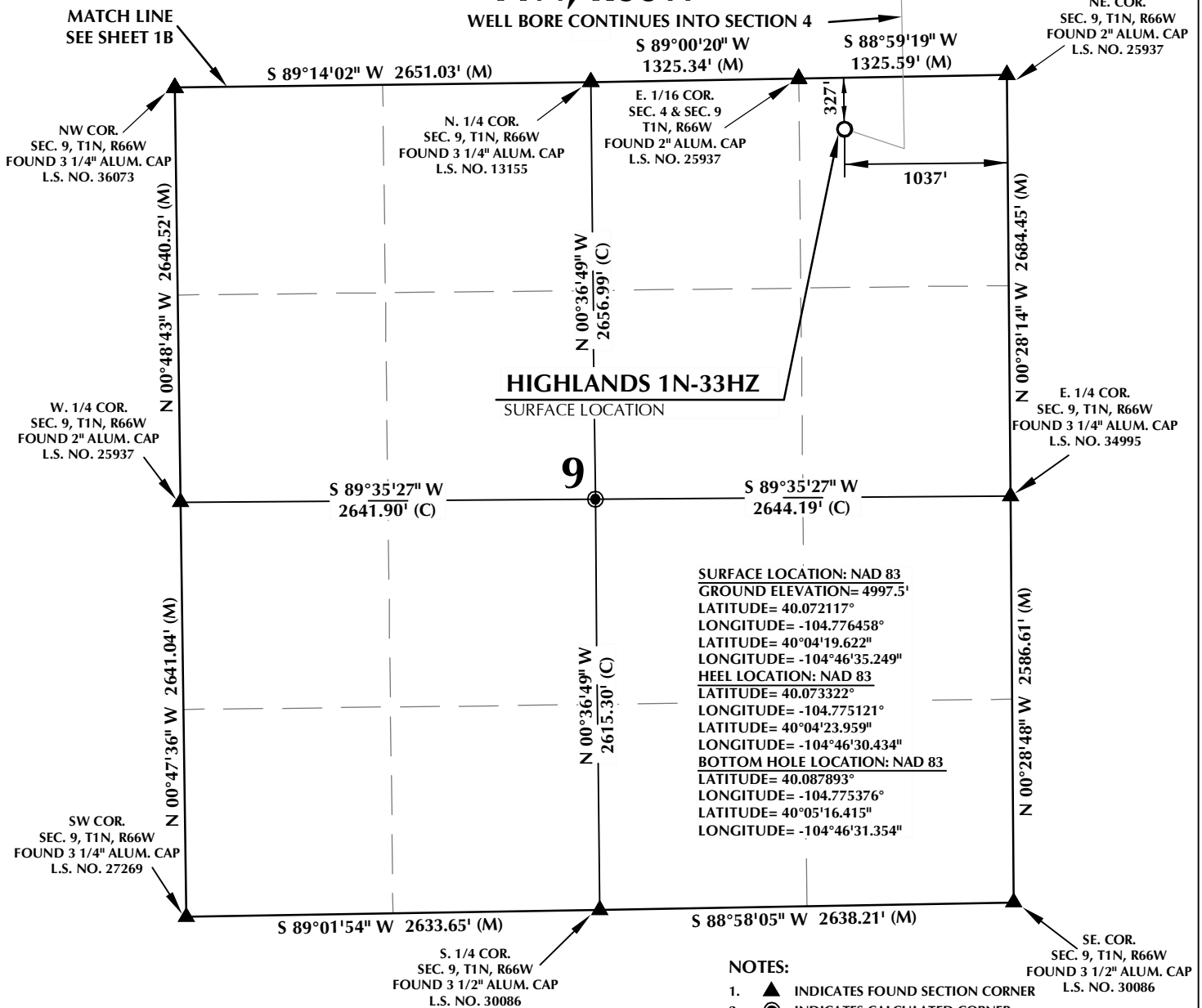


T1N, R66W

WELL BORE CONTINUES INTO SECTION 4



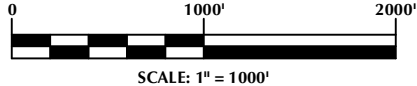
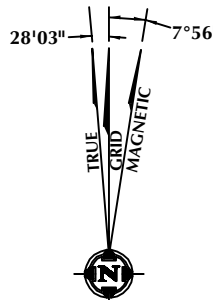
CERTIFICATE OF SURVEYOR:

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

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



WELL PAD - HIGHLANDS 27C-33HZ

HIGHLANDS 1N-33HZ
 WELL LOCATION CERTIFICATE
 327' FNL & 1037' FEL NENE (SURFACE)
 LOCATED IN SECTION 9
 108' FSL & 663' FEL SESE (HEEL)
 LOCATED IN SECTION 4
 T1N, R66W, 6TH P.M.
 200' FSL & 751' 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



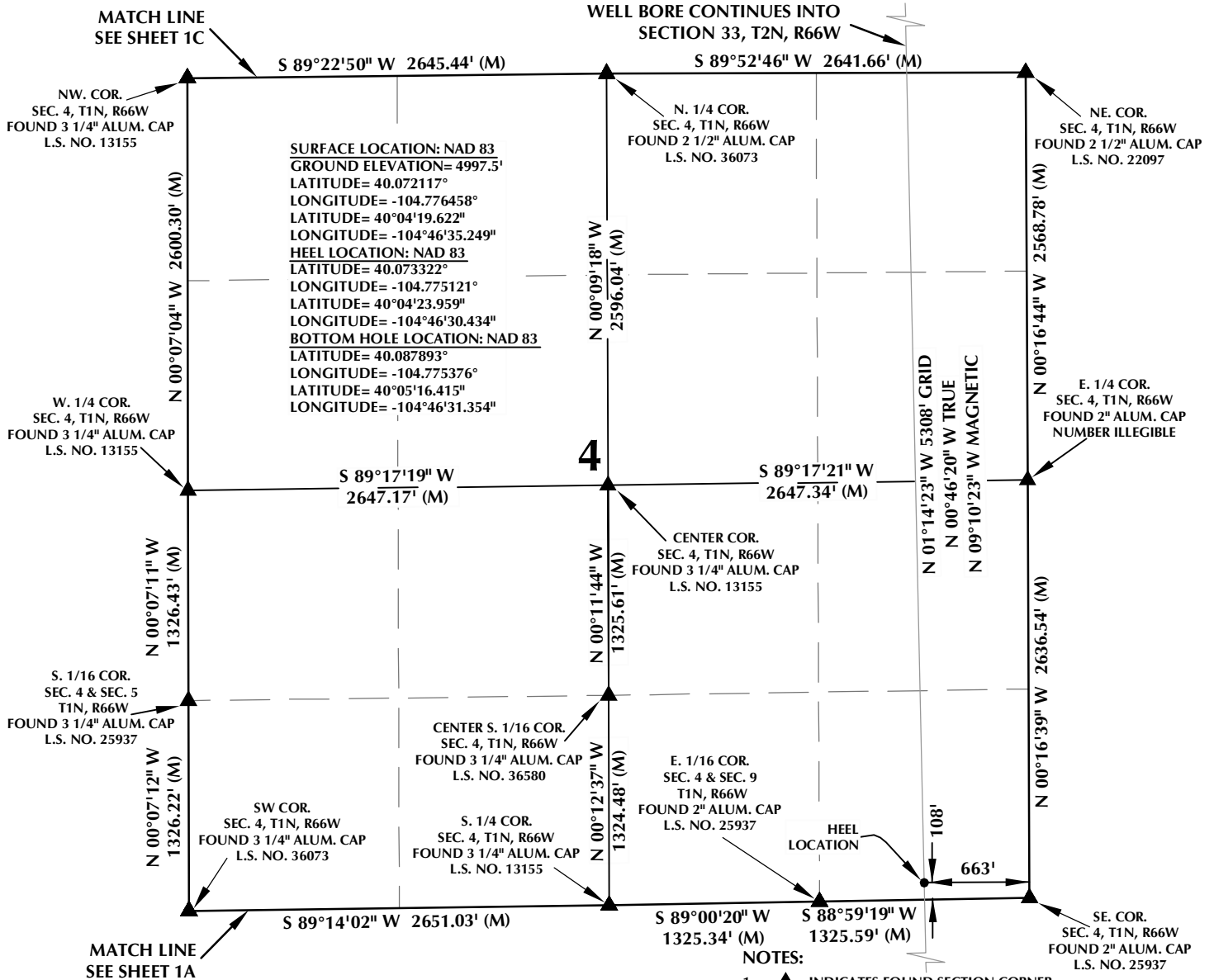
CONSULTING, LLC

SHERIDAN OFFICE
 1095 Saberton Avenue
 Sheridan, Wyoming 82801
 Phone 307-674-0609

LOVELAND OFFICE
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 Loveland, Colorado 80538
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REVISED:		FILE NAME:	14-116	1A OF 1

T1N, R66W



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Benjamin J. Reenders
 BENJAMIN J. REENDERS
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 48305
 6/19/15

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NOTES:

1.  INDICATES FOUND SECTION CORNER
2.  INDICATES CALCULATED CORNER
3. ELEVATION BASED ON NAVD88 (GEOID09)
4. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
5. ALL MEASURED DISTANCES ARE GRID.
COMBINED SCALE FACTOR: .99972674
6. OPERATOR: ROB WILSON / PDOP = 1.2
7. SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
8. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
9. THE BOTTOM OF HOLE BEARS N01°14'23"W, 5308' FROM THE HEEL LOCATION.

SCALE: 1" = 1000'

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HIGHLANDS 1N-33HZ
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LOCATED IN SECTION 4
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LOCATED IN SECTION 33
T2N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

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NW. COR.
SEC. 33, T2N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 25369

T2N, R66W

S 89°43'13" W 2646.37' (M)

S 89°10'07" W 2640.09' (M)

NE. COR.
SEC. 33, T2N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 13482

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4997.5'
LATITUDE= 40.072117°
LONGITUDE= -104.776458°
LATITUDE= 40°04'19.622"
LONGITUDE= -104°46'35.249"
HEEL LOCATION: NAD 83
LATITUDE= 40.073322°
LONGITUDE= -104.775121°
LATITUDE= 40°04'23.959"
LONGITUDE= -104°46'30.434"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.087893°
LONGITUDE= -104.775376°
LATITUDE= 40°05'16.415"
LONGITUDE= -104°46'31.354"

N. 1/4 COR.
SEC. 33, T2N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13258

E. 1/4 COR.
SEC. 33, T2N, R66W
FOUND 3 1/2" ALUM. CAP
ILLEGIBLE

33

S 89°31'48" W
2644.70' (M)

S 89°32'08" W
2642.82' (M)

CENTER COR.
SEC. 33, T2N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 28656

W. 1/4 COR.
SEC. 33, T2N, R66W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

SW. COR.
SEC. 33, T2N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13155

MATCH LINE
SEE SHEET 1B

S 89°22'50" W 2645.44' (M)

S 89°52'46" W 2641.66' (M)

S. 1/4 COR.
SEC. 33, T2N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 36073

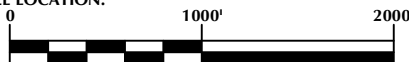
BOTTOM OF HOLE:
200' FSL & 751' FEL

S. 1/16 COR.
SEC. 33 & 34, T2N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 12330

SE. COR.
SEC. 33, T2N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 22097

NOTES:

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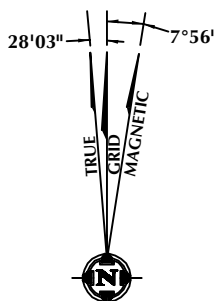
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