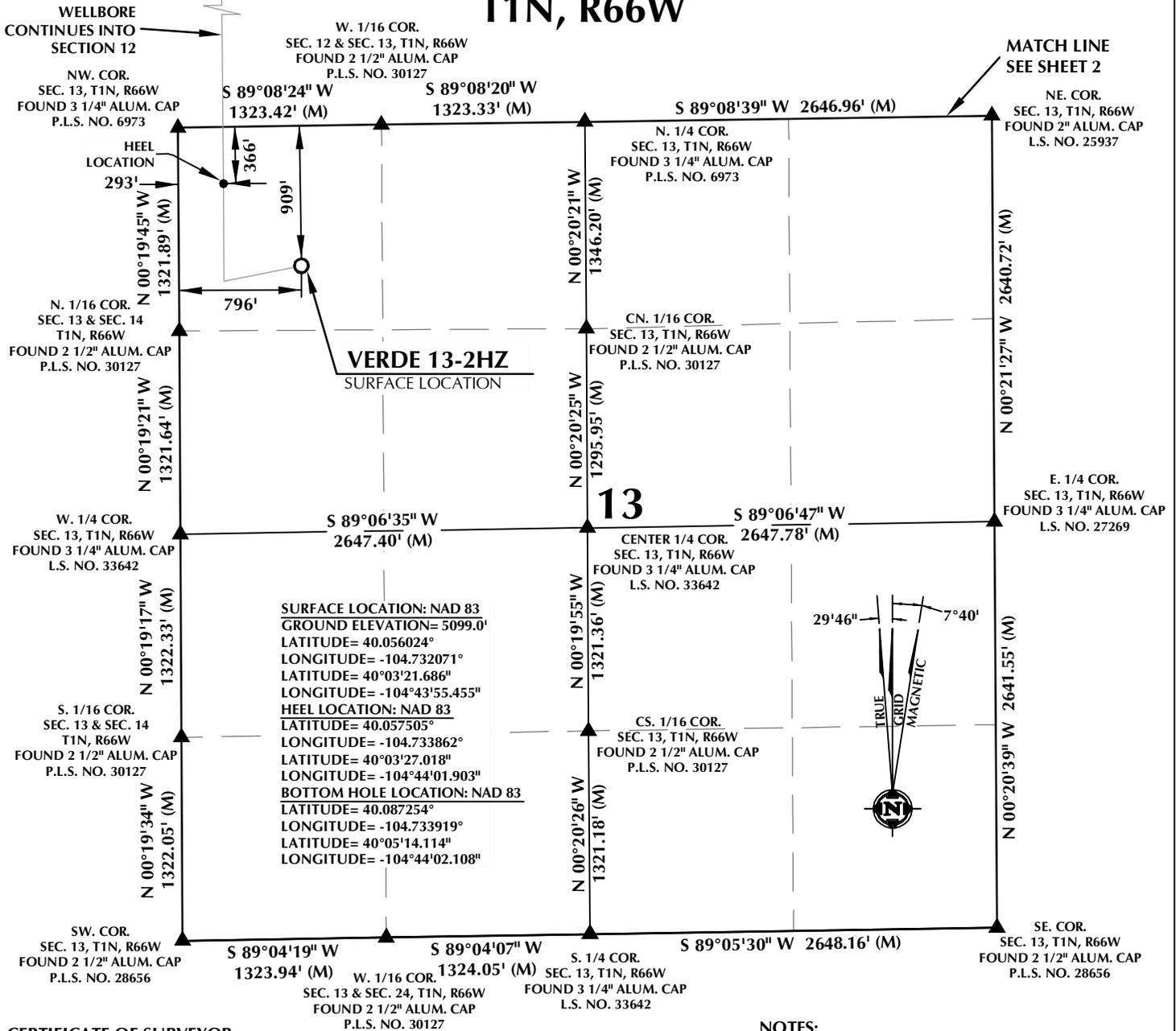


T1N, R66W



CERTIFICATE OF SURVEYOR:

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Randall K. French
38512
PROFESSIONAL LAND SURVEYOR
6/15/17
RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

NOTICE:
ACCORDING TO COLORADO STATE LAW YOU MUST TAKE 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.

WELL PAD - VERDE 13-3HZ

VERDE 13-2HZ
WELL LOCATION CERTIFICATE
909' FNL & 796' FWL NWNW (SURFACE)
366' FNL & 293' FWL NWNW (HEEL)
LOCATED IN SECTION 13
52' FNL & 257' FWL LOT 2 (NWNW) (BOTTOM)
LOCATED IN SECTION 1
T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

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



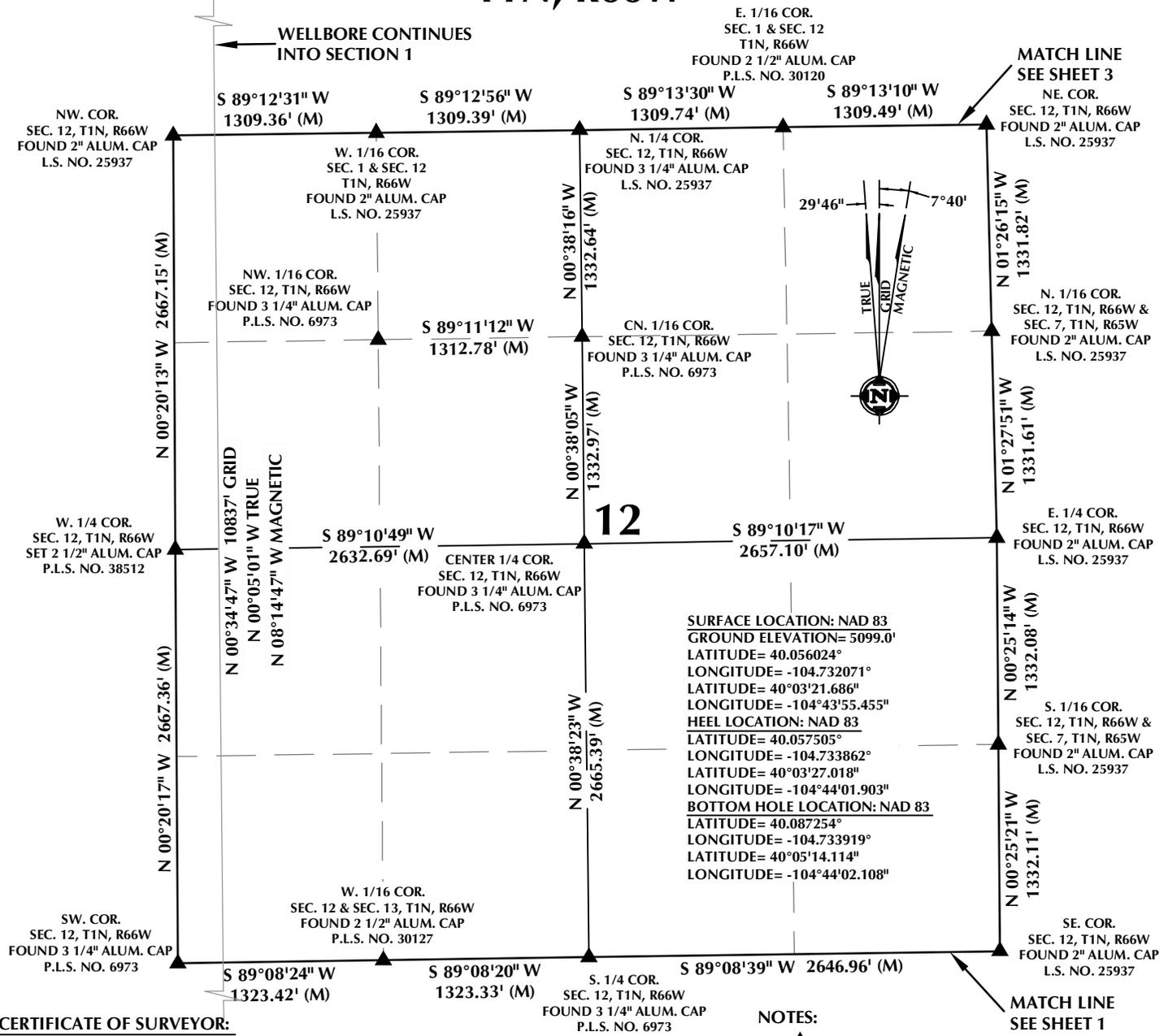
CONSULTING, LLC

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: 6/15/17	DATE SURVEYED: 5/11/17	
REVISED:	FILE NAME: 16-161	

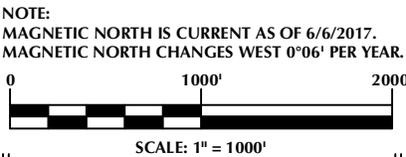
T1N, R66W



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NOTES:

- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
 COMBINED SCALE FACTOR: .99972250 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 13, T1N, R66W
 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°34'47"W, 10837' FROM THE HEEL LOCATION.

WELL PAD - VERDE 13-3HZ

VERDE 13-2HZ
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REVISED:		FILE NAME:	16-161	2 OF 3

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T1N, R66W

E. 1/16 COR.
SEC. 1, T1N, R66W &
SEC. 36, T2N, R66W
FOUND 2 1/2" ALUM. CAP

NE. COR.
SEC. 1, T1N, R66W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

S 89°17'26" W 1314.49' (M)
S 89°17'04" W 1314.76' (M)

N. 1/4 COR.
SEC. 1, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 30086

NW. COR.
SEC. 1, T1N, R66W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

S 89°17'29" W 2629.35' (M)

BOTTOM OF HOLE:
52' FNL & 257' FWL

N 00°28'55" W 2572.04' (M)
1252'
2521'
N 00°34'47" W 10837' GRID
N 00°05'01" W TRUE
N 08°14'47" W MAGNETIC

No. 2
No. 1

N 00°20'38" W 2578.23' (M)

No. 2
No. 1

N 00°12'13" W 2584.44' (M)

W. 1/4 COR.
SEC. 1, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 27269

S 89°25'33" W 1311.65' (M)
S 89°25'34" W 1311.47' (M)

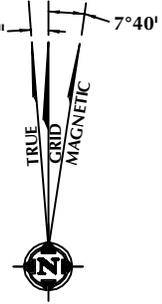
S 89°25'20" W 2622.89' (M)

E. 1/4 COR.
SEC. 1, T1N, R66W
FOUND 3 1/4" ALUM. CAP
ILLEGIBLE

CW. 1/16 COR.
SEC. 1, T1N, R66W
FOUND 2 1/2" ALUM. CAP
W.C. 50' SOUTH OF
TRUE CORNER
L.S. NO. 37971

CENTER 1/4 COR.
SEC. 1, T1N, R66W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 5099.0'
LATITUDE= 40.056024°
LONGITUDE= -104.732071°
LATITUDE= 40°03'21.686"
LONGITUDE= -104°43'55.455"
HEEL LOCATION: NAD 83
LATITUDE= 40.057505°
LONGITUDE= -104.733862°
LATITUDE= 40°03'27.018"
LONGITUDE= -104°44'01.903"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.087254°
LONGITUDE= -104.733919°
LATITUDE= 40°05'14.114"
LONGITUDE= -104°44'02.108"



S. 1/16 COR.
SEC. 1 & SEC. 2
T1N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 27269

S 89°18'22" W 1310.39' (M)

SW. 1/16 COR.
SEC. 1, T1N, R66W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 23027

N 00°18'35" W 2607.53' (M)

N 00°13'41" W 2598.40' (M)

SW. COR.
SEC. 1, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

S 89°12'31" W 1309.36' (M)
W. 1/16 COR. SEC. 1 & SEC. 12
T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

S 89°12'56" W 1309.39' (M)
S. 1/4 COR. SEC. 1, T1N, R66W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 25937

S 89°13'30" W 1309.74' (M)
E. 1/16 COR. SEC. 1 & SEC. 12, T1N, R66W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 30120

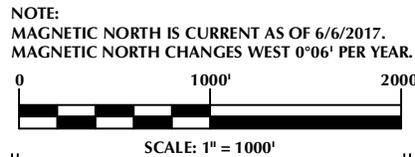
SE. COR.
SEC. 1, T1N, R66W
FOUND 2" ALUM. CAP
L.S. NO. 25937

MATCH LINE
SEE SHEET 2

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 - THE BOTTOM OF HOLE BEARS N00°34'47"W, 10837' FROM THE HEEL LOCATION.
 - NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY

WELL PAD - VERDE 13-3HZ

VERDE 13-2HZ
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