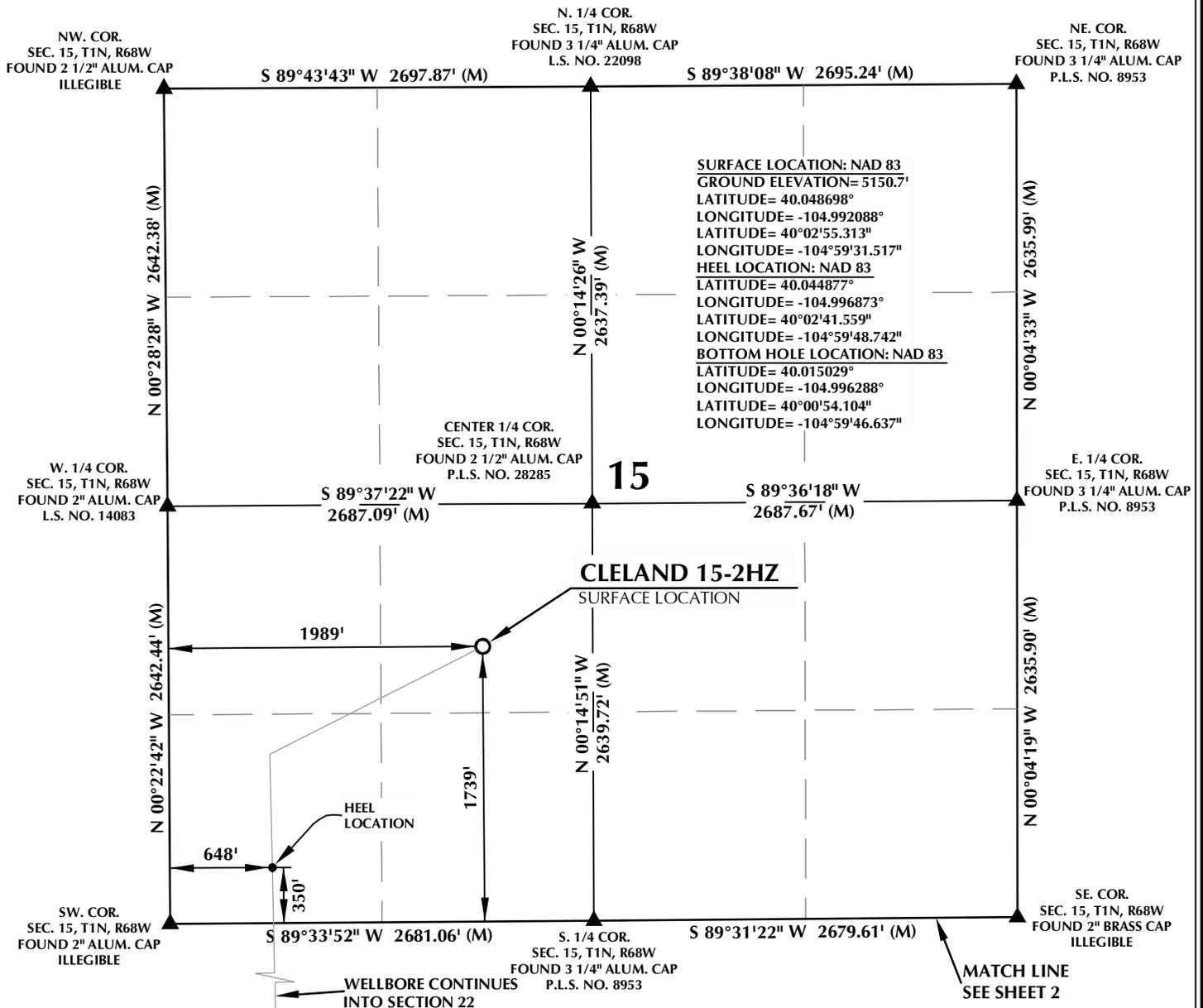


T1N, R68W



SURFACE LOCATION: NAD 83
 GROUND ELEVATION= 5150.7'
 LATITUDE= 40.048698°
 LONGITUDE= -104.992088°
BOTTOM HOLE LOCATION: NAD 83
 LATITUDE= 40.044877°
 LONGITUDE= -104.996873°
 LATITUDE= 40°02'41.559"
 LONGITUDE= -104°59'48.742"
 BOTTOM HOLE LOCATION: NAD 83
 LATITUDE= 40.015029°
 LONGITUDE= -104.996288°
 LATITUDE= 40°00'54.104"
 LONGITUDE= -104°59'46.637"

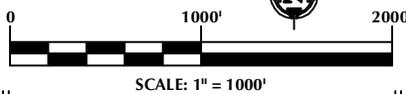
CERTIFICATE OF SURVEYOR:

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Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38512
 3/25/19

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NOTE: MAGNETIC NORTH IS CURRENT AS OF 3/19/2019. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



NOTES:

- ▲ INDICATES SECTION CORNER.
- INDICATES CALCULATED CORNER.
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- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
- COMBINED SCALE FACTOR: .99972060 CALCULATED FROM THE CENTER 1/4 CORNER OF SECTION 15, T1N, R68W.
- OPERATOR: TRAVIS HOLLAND / PDOP = 1.4.
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- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF HOLE BEARS S01°11'17"E, 10874' FROM THE HEEL LOCATION.

WELL PAD - CLELAND 11-15HZ

CLELAND 15-2HZ
 WELL LOCATION CERTIFICATE
 1739' FSL & 1989' FWL NESW (SURFACE)
 350' FSL & 648' FWL SWSW (HEEL)
 LOCATED IN SECTION 15, WELD COUNTY, COLORADO
 50' FSL & 774' FWL SWSW (BOTTOM)
 LOCATED IN SECTION 27
 T1N, R68W, 6TH P.M.
 BROOMFIELD COUNTY, COLORADO

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

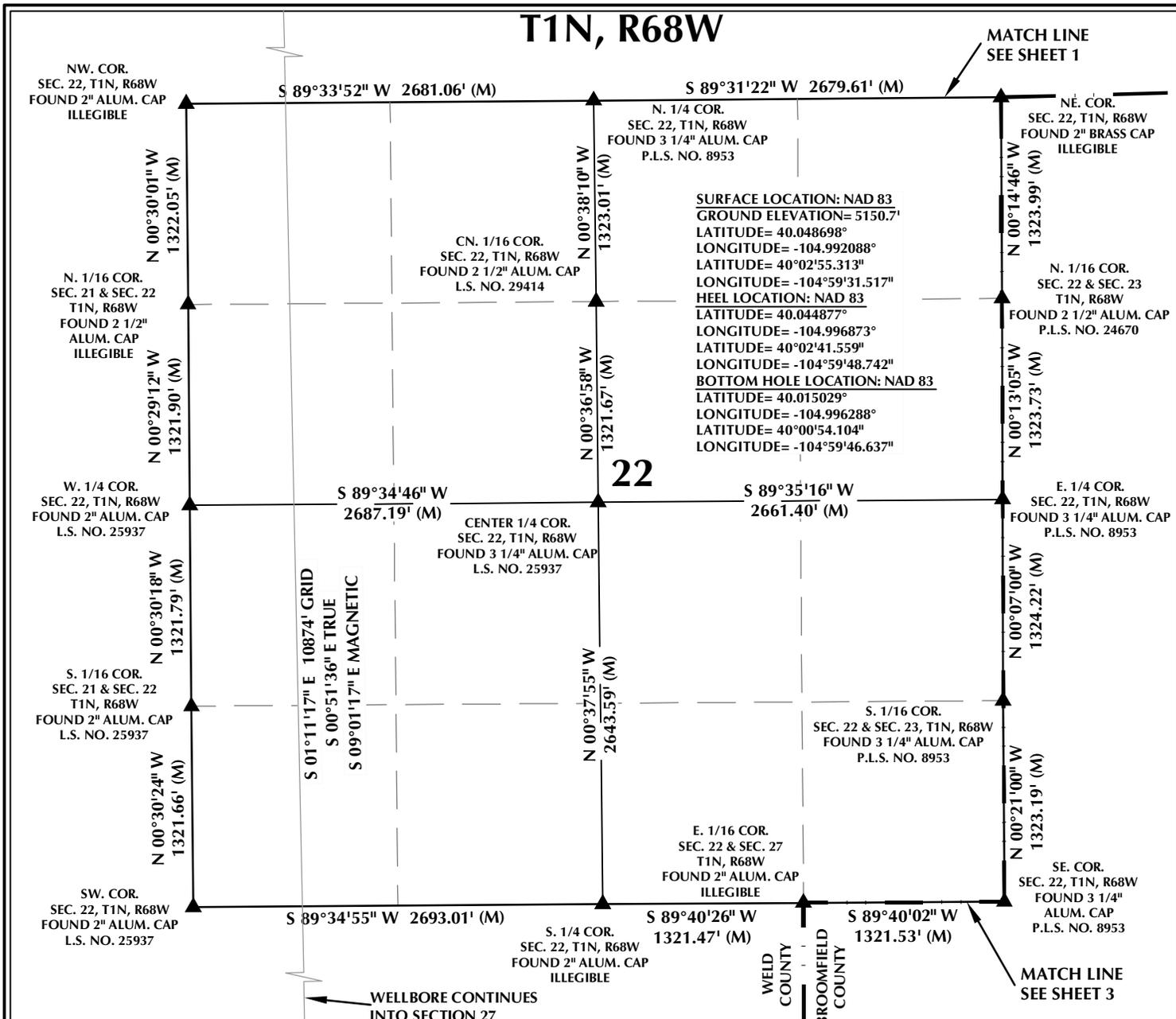


CONSULTING, LLC

SHERIDAN OFFICE: 1095 Saberton Avenue, Sheridan, Wyoming 82801, Phone 307-674-0609
 LOVELAND OFFICE: 6706 North Franklin Avenue, Loveland, Colorado 80538, Phone 970-776-4331

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DATE DRAFTED: 3/25/19	DATE SURVEYED: 3/19/19	
REVISED:	FILE NAME: 15-108	

T1N, R68W



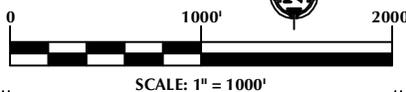
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 3/25/19

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CLELAND 15-2HZ
 WELL LOCATION CERTIFICATE
 1739' FSL & 1989' FWL NESW (SURFACE)
 350' FSL & 648' FWL SWSW (HEEL)
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 LOCATED IN SECTION 27
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 1099 18th Street
 Denver, Colorado 80202



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DATE DRAFTED: 3/25/19	DATE SURVEYED: 3/19/19	
REVISED:	FILE NAME: 15-108	

T1N, R68W

N. 1/4 COR.
SEC. 27, T1N, R68W
FOUND 2nd ALUM. CAP
ILLEGIBLE

S 89°40'26" W
1321.47' (M)

MATCH LINE
SEE SHEET 2

S 89°40'02" W
1321.53' (M)

NE. COR.
SEC. 27, T1N, R68W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 8953

NW. COR.
SEC. 27, T1N, R68W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

S 89°34'55" W 2693.01' (M)

E. 1/16 COR.
SEC. 22 & SEC. 27, T1N, R68W
FOUND 2nd ALUM. CAP
ILLEGIBLE

N 00°00'36" E
1317.08' (M)

N 00°33'21" W 2642.83' (M)

S 01°11'17" E 10874' GRID
S 00°51'36" E TRUE
S 09°01'17" E MAGNETIC

N 00°05'32" W
2643.07' (M)

N. 1/16 COR.
SEC. 26 & SEC. 27, T1N, R68W
FOUND 3 1/4" ALUM. CAP
ILLEGIBLE

N 00°00'41" E
1322.14' (M)

CENTER 1/4 COR.
SEC. 27, T1N, R68W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 24305

27

S 89°35'12" W
2671.61' (M)

S 89°35'11" W
2638.28' (M)

E. 1/4 COR.
SEC. 27, T1N, R68W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 8953

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 5150.7'
LATITUDE= 40.048698°
LONGITUDE= -104.992088°
HEEL LOCATION: NAD 83
LATITUDE= 40.044877°
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BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.015029°
LONGITUDE= -104.996288°
LONGITUDE= -104°00'54.104"
LONGITUDE= -104°59'46.637"

BOTTOM OF HOLE:
50' FSL & 774' FWL

N 00°00'57" E
2645.92' (M)

N 00°06'59" W 2650.56' (M)

S. 1/4 COR.
SEC. 27, T1N, R68W
FOUND 3 1/4" ALUM. CAP
ILLEGIBLE

SE. COR.
SEC. 27, T1N, R68W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 8953

W. 1/4 COR.
SEC. 27, T1N, R68W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 18482

N 00°34'03" W 2642.11' (M)

S 89°35'12" W
2671.61' (M)

S 89°35'11" W
2638.28' (M)

SW. COR.
SEC. 27, T1N, R68W
FOUND 3 1/4" ALUM. CAP
P.L.S. NO. 13258

50'

S 89°40'04" W 2644.69' (M)

S 89°41'16" W 2644.36' (M)

WELD COUNTY
BROOMFIELD COUNTY

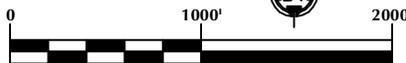
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Randall K. French
38512
PROFESSIONAL LAND SURVEYOR
3/25/19

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SCALE: 1" = 1000'

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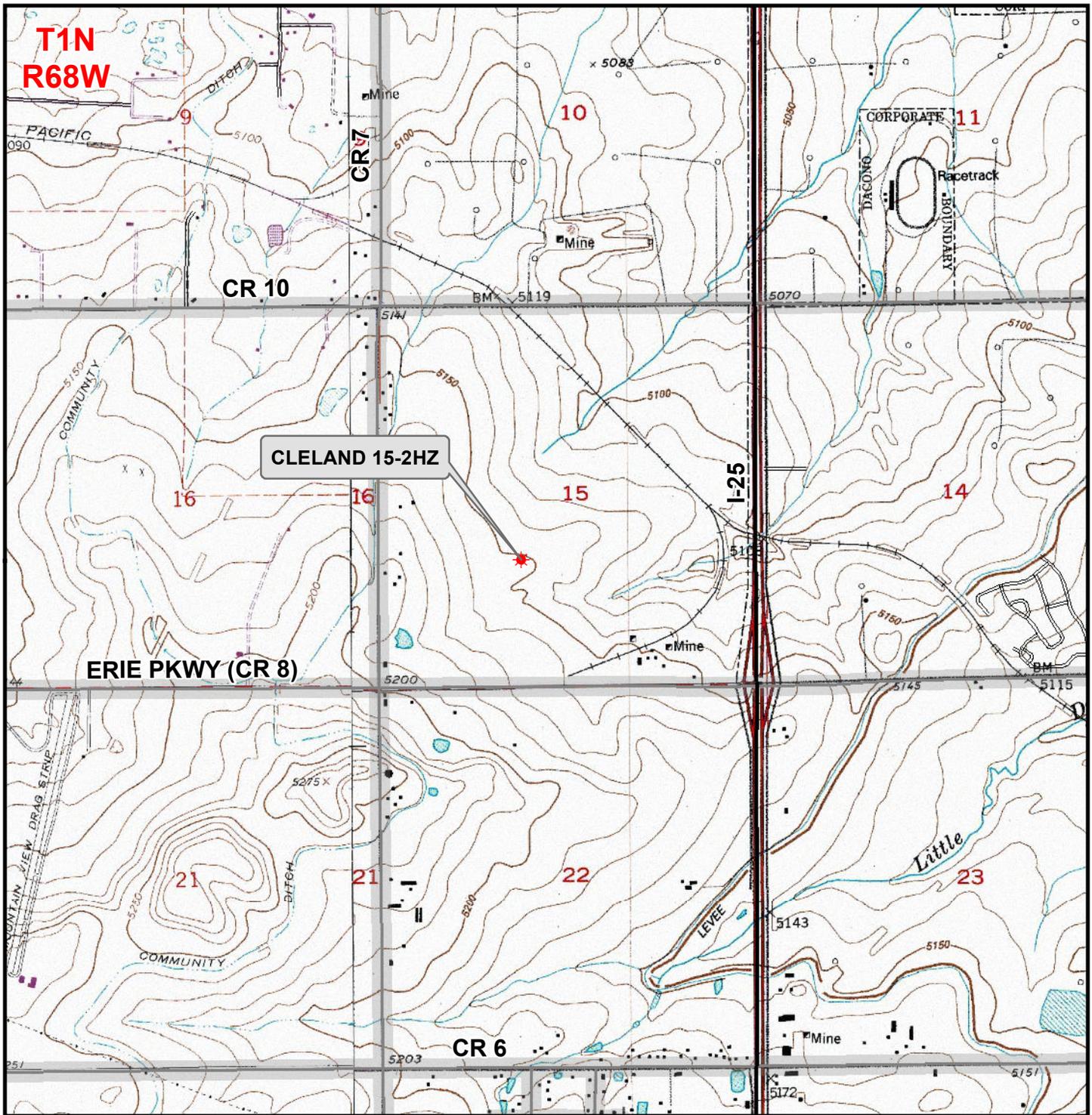
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Legend

- Well - Proposed
- Road - Primitive - Existing
- Road - County - Existing
- Road - Improved - Existing
- Road - Highway - Existing

WELL PAD - CLELAND 11-15HZ
GENERAL LOCATION MAP
CLELAND 15-2HZ
LOCATED IN SECTION 15
T1N, R68W, 6th P.M.
WELD COUNTY, COLORADO

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SCALE: 1" = 2,000ft	NAD83 CO-Nft
DRAWN: DP	DATE: 4 Apr 2019
REVISED:	DATE: