

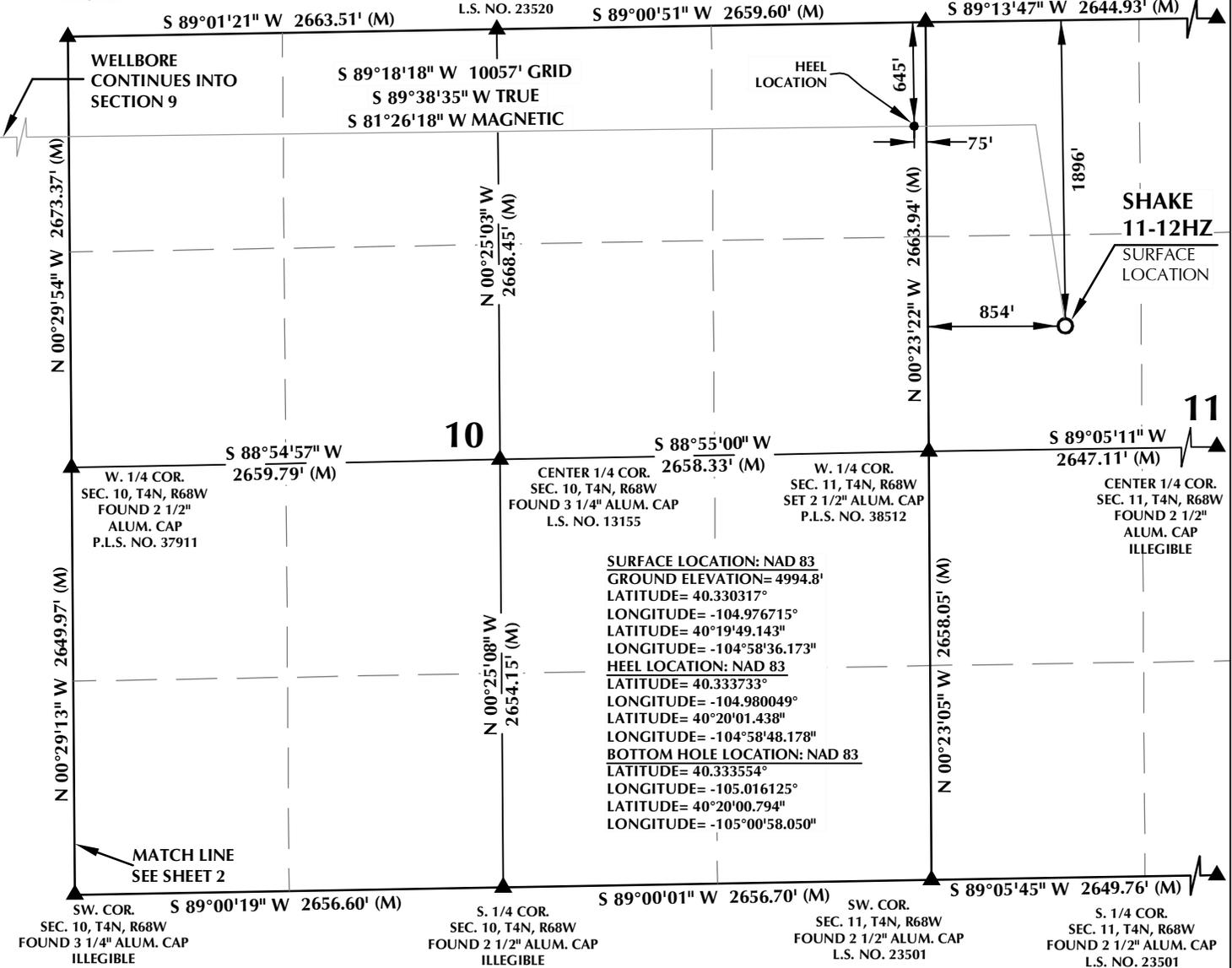
T4N, R68W

NW. COR.
SEC. 10, T4N, R68W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

N. 1/4 COR.
SEC. 10, T4N, R68W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 23520

NW. COR.
SEC. 11, T4N, R68W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 23501

N. 1/4 COR.
SEC. 11, T4N, R68W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 14166



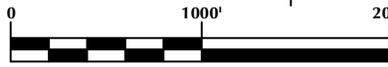
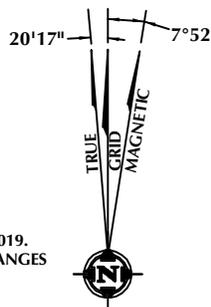
CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS 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.R.S. 10-5-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38512
 3/5/19

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.

NOTE:
 MAGNETIC NORTH IS
 CURRENT AS OF 1/30/2019.
 MAGNETIC NORTH CHANGES
 WEST 0°06' PER YEAR.



SCALE: 1" = 1000'

NOTES:

- ▲ INDICATES SECTION CORNER.
- INDICATES CALCULATED CORNER.
- ELEVATION BASED ON NAVD88 (GEOID12B).
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
COMBINED SCALE FACTOR: .99972262 CALCULATED FROM THE N. 1/4 CORNER OF SECTION 11, T4N, R68W.
OPERATOR: JEREMY GROVES / PDOP = 1.5.
- 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 S89°18'18"W, 10057' FROM THE HEEL LOCATION.

WELL PAD - S&B 5-11HZ

SHAKE 11-12HZ
 WELL LOCATION CERTIFICATE
 1896' FNL & 854' FWL SWNW (SURFACE)
 LOCATED IN SECTION 11
 645' FNL & 75' FEL NENE (HEEL)
 LOCATED IN SECTION 10
 565' FNL & 475' FWL NWNW (BOTTOM)
 LOCATED IN SECTION 9
 T4N, R68W, 6TH P.M.
 WELD COUNTY, COLORADO

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



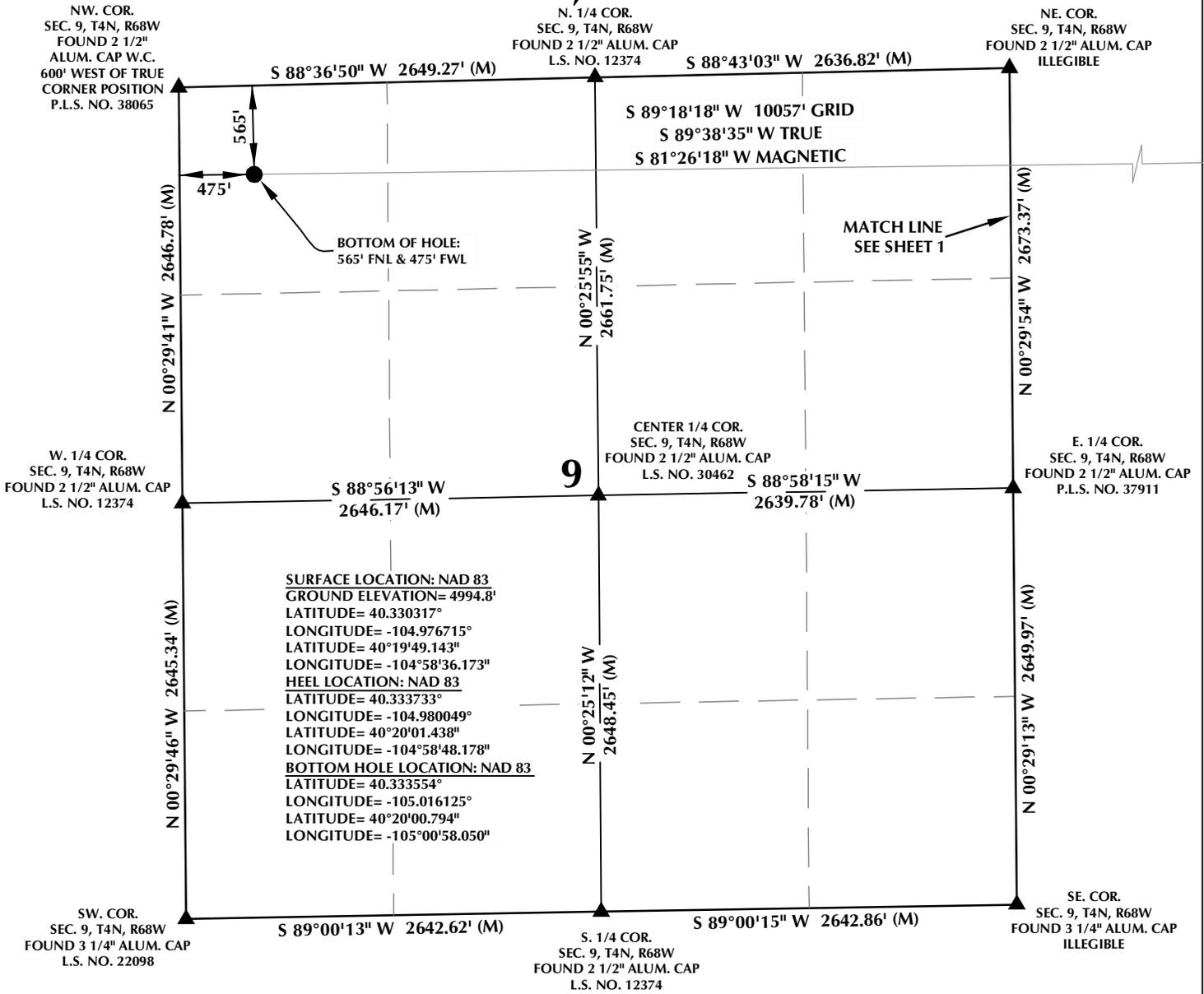
CONSULTING, LLC

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

LOVELAND OFFICE
 6706 North Franklin Avenue
 Loveland, Colorado 80538
 Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	RKF	SHEET NO:
DATE DRAFTED:	3/5/19	DATE SURVEYED:	1/30/19	1
REVISED:		FILE NAME:	18-209	1 OF 2

T4N, R68W



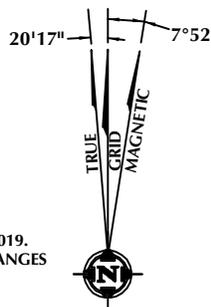
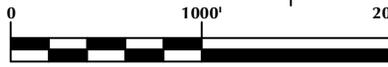
CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS 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.R.S. 38-5-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
 38512
 3/5/19
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.

NOTE:
 MAGNETIC NORTH IS CURRENT AS OF 1/30/2019. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



NOTES:

- ▲ INDICATES SECTION CORNER.
- INDICATES CALCULATED CORNER.
- ELEVATION BASED ON NAVD88 (GEOID12B).
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
 COMBINED SCALE FACTOR: .99972262 CALCULATED FROM THE N. 1/4 CORNER OF SECTION 11, T4N, R68W.
- OPERATOR: JEREMY GROVES / PDOP = 1.5.
- 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 S89°18'18"W, 10057' FROM THE HEEL LOCATION.

WELL PAD - S&B 5-11HZ

SHAKE 11-12HZ
 WELL LOCATION CERTIFICATE
 1896' FNL & 854' FWL SWNW (SURFACE)
 LOCATED IN SECTION 11
 645' FNL & 75' FEL NENE (HEEL)
 LOCATED IN SECTION 10
 565' FNL & 475' FWL NWNW (BOTTOM)
 LOCATED IN SECTION 9
 T4N, R68W, 6TH P.M.
 WELD COUNTY, COLORADO

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



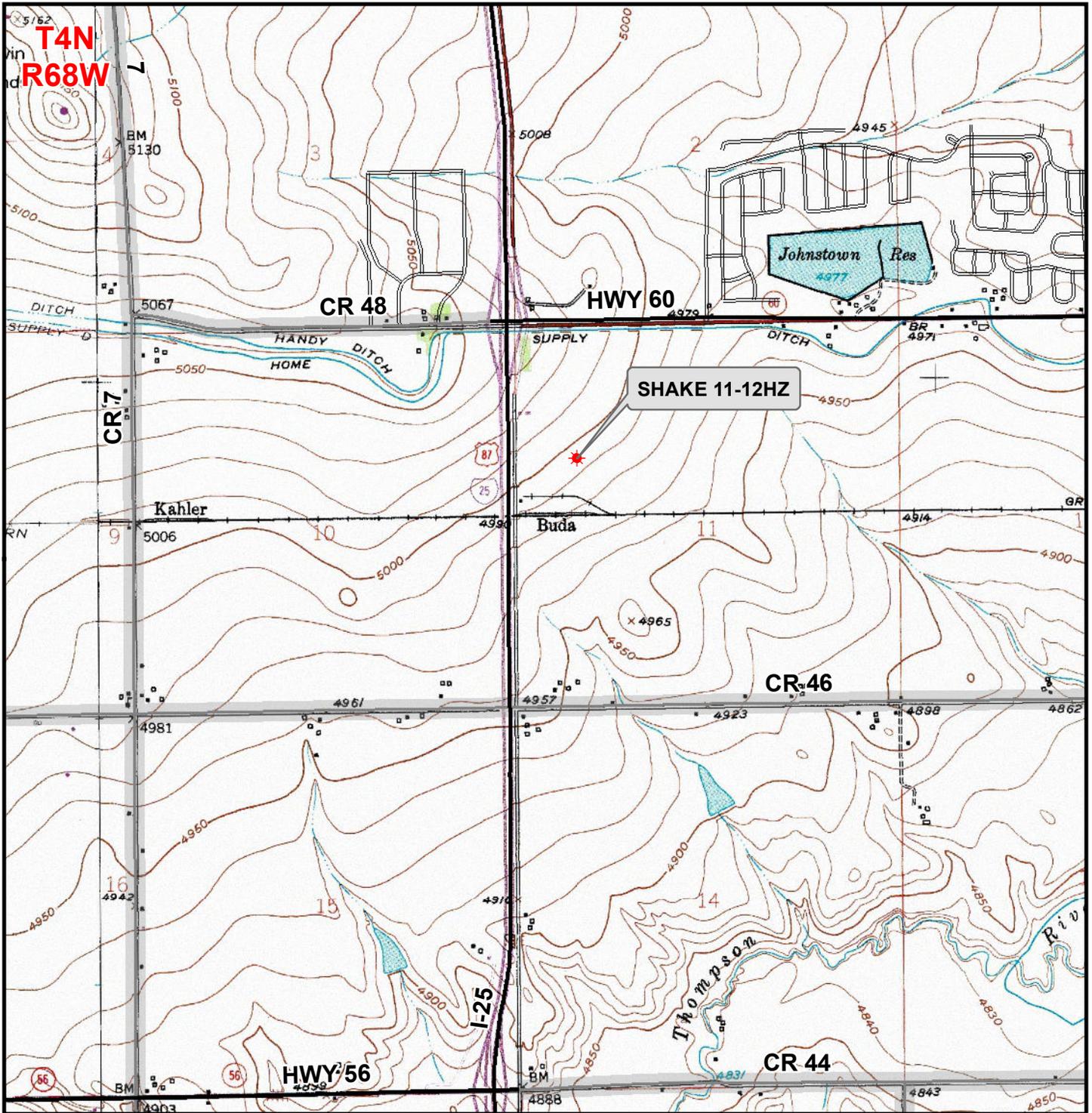
CONSULTING, LLC

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

LOVELAND OFFICE
 6706 North Franklin Avenue
 Loveland, Colorado 80538
 Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	RKF	SHEET NO:
DATE DRAFTED:	3/5/19	DATE SURVEYED:	1/30/19	2
REVISED:		FILE NAME:	18-209	2 OF 2

K:\ANADARKO\2018\2018_209_SHAKE_N'_BAKE_T4N_R68W_SEC_11\GIS\Maps_ABC\S&B_5-11HZ\SHAKE_11-12HZ.mxd 2/14/2019 8:48:15 AM



Legend

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

WELL PAD - S&B 5-11HZ
GENERAL LOCATION MAP
SHAKE 11-12HZ
LOCATED IN SECTION 11
T4N, R68W, 6th P.M.
WELD COUNTY, COLORADO

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



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

SCALE: 1" = 2,000ft	NAD83 CO-Nft
DRAWN: DP	DATE: 15 Feb 2019
REVISED:	DATE:

