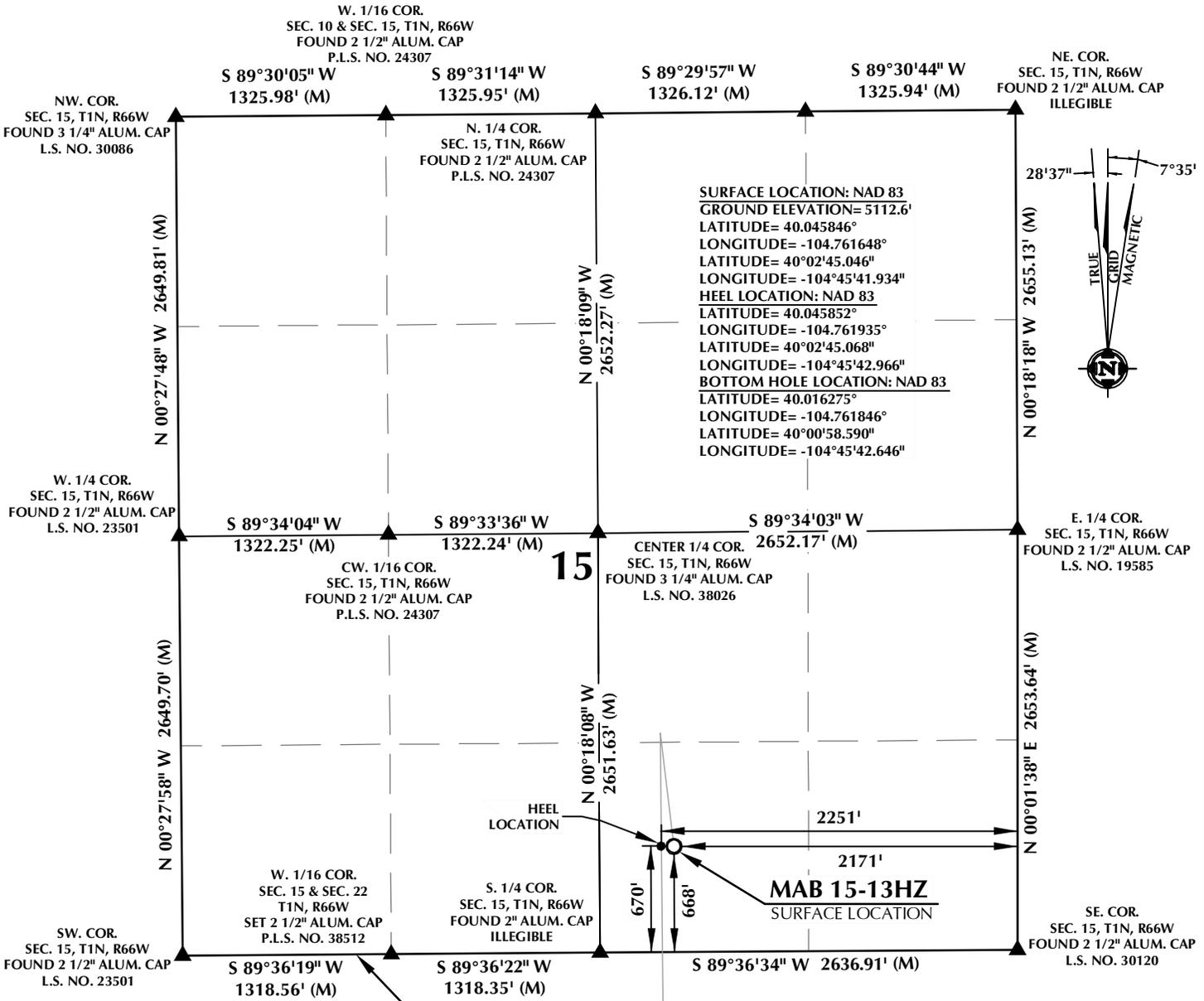


T1N, R66W



SURFACE LOCATION: NAD 83
 GROUND ELEVATION= 5112.6'
 LATITUDE= 40.045846°
 LONGITUDE= -104.761648°
LATITUDE= 40°02'45.046"
 LONGITUDE= -104°45'41.934"
HEEL LOCATION: NAD 83
 LATITUDE= 40.045852°
 LONGITUDE= -104.761935°
 LATITUDE= 40°02'45.068"
 LONGITUDE= -104°45'42.966"
BOTTOM HOLE LOCATION: NAD 83
 LATITUDE= 40.016275°
 LONGITUDE= -104.761846°
 LATITUDE= 40°00'58.590"
 LONGITUDE= -104°45'42.646"

CERTIFICATE OF SURVEYOR:

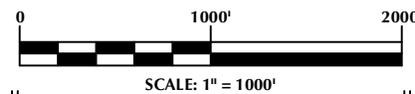
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAID PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY THAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 24-50102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38512
 7/24/18

NOTICE:
 ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE 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.

MATCH LINE
 SEE SHEET 2
 WELLBORE
 CONTINUES INTO
 SECTION 22
 T1N, R66W

NOTE:
 MAGNETIC NORTH IS CURRENT AS OF 6/25/2018.
 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: .99972498 CALCULATED FROM THE SW. CORNER OF SECTION 15, T1N, R66W.
- OPERATOR: TRAVIS HOLLAND / PDOP = 2.0.
- 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°36'34"E, 10774' FROM THE HEEL LOCATION.

WELL PAD - MAB 15-15HZ

MAB 15-13HZ
 WELL LOCATION CERTIFICATE
 668' FSL & 2171' FEL SWSE (SURFACE)
 670' FSL & 2251' FEL SWSE (HEEL)
 LOCATED IN SECTION 15
 471' FSL & 2227' FEL SWSE (BOTTOM)
 LOCATED IN SECTION 27
 T1N, R66W, 6TH P.M.
 WELD COUNTY, COLORADO

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



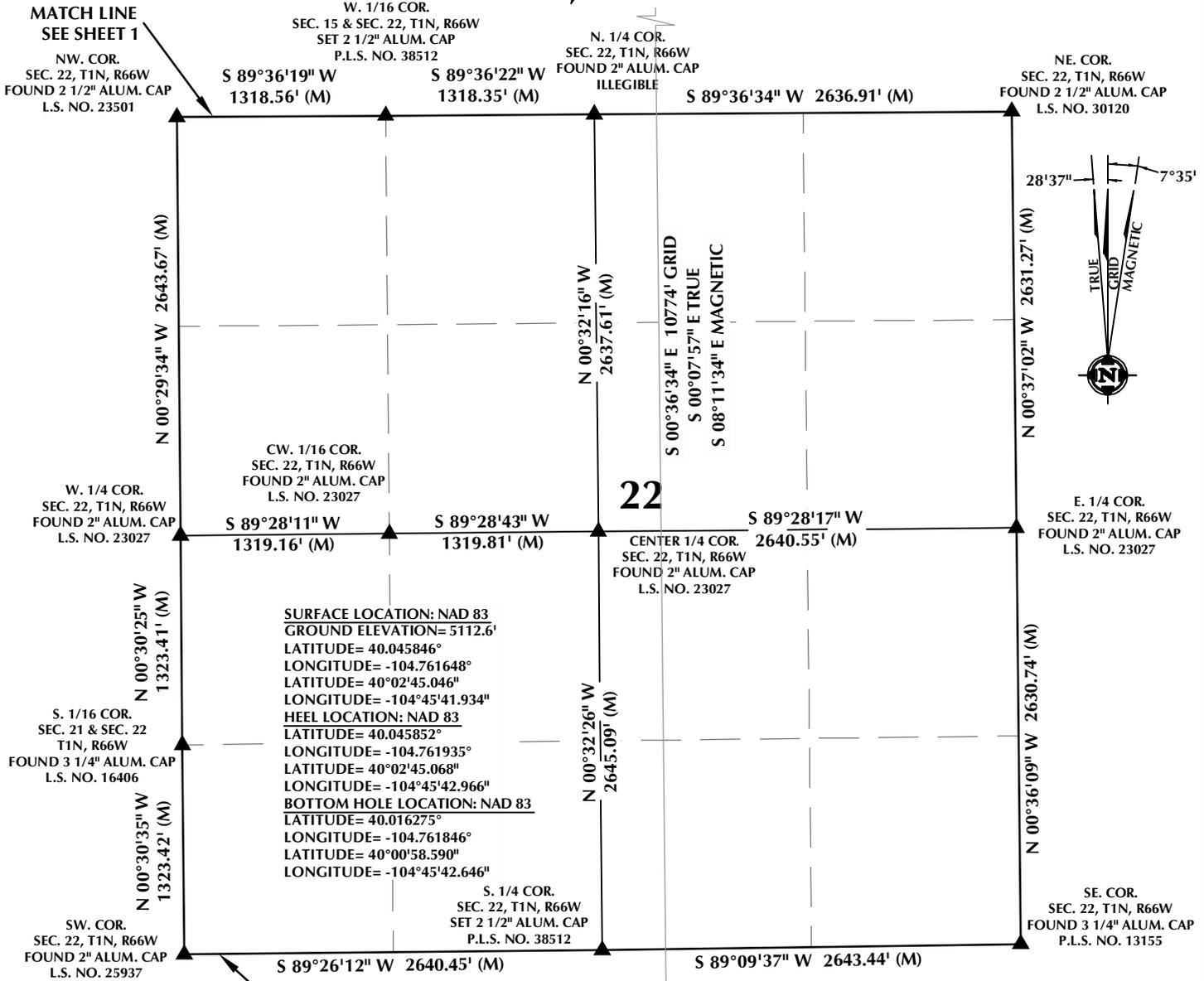
CONSULTING, LLC

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

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

DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 1 1 OF 3
DATE DRAFTED: 7/24/18	DATE SURVEYED: 6/25/18	
REVISED:	FILE NAME: 18-12	

T1N, R66W



CERTIFICATE OF SURVEYOR:

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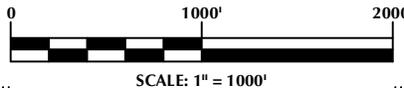
Randall K. French
38512
PROFESSIONAL LAND SURVEYOR

RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512
7/24/18

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WELLBORE CONTINUES INTO SECTION 27, T1N, R66W

NOTE:
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NOTES:

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- COMBINED SCALE FACTOR: .99972498 CALCULATED FROM THE SW. CORNER OF SECTION 15, T1N, R66W.
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- SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
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- THE BOTTOM OF HOLE BEARS S00°36'34"E, 10774' FROM THE HEEL LOCATION.

WELL PAD - MAB 15-15HZ

MAB 15-13HZ
WELL LOCATION CERTIFICATE
668' FSL & 2171' FEL SWSE (SURFACE)
670' FSL & 2251' FEL SWSE (HEEL)
LOCATED IN SECTION 15
471' FSL & 2227' FEL SWSE (BOTTOM)
LOCATED IN SECTION 27
T1N, R66W, 6TH P.M.
WELD COUNTY, COLORADO

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



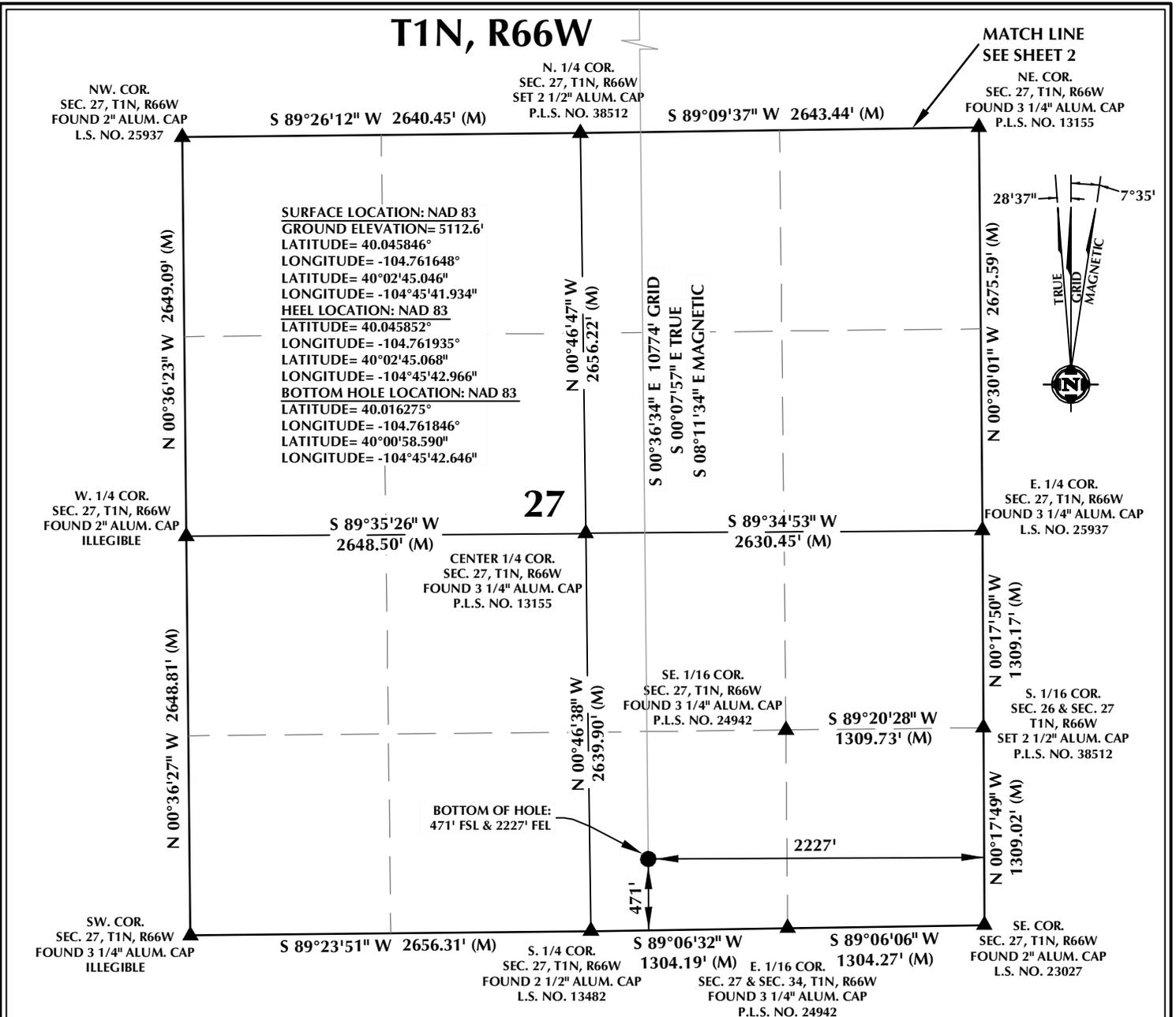
CONSULTING, LLC

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

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

DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 2 2 OF 3
DATE DRAFTED: 7/24/18	DATE SURVEYED: 6/25/18	
REVISED:	FILE NAME: 18-12	

T1N, R66W



CERTIFICATE OF SURVEYOR:

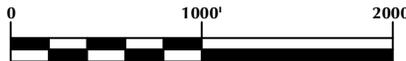
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Randall K. French
 38512
 PROFESSIONAL LAND SURVEYOR

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 COLORADO REGISTRATION NUMBER 38512
 7/24/18

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NOTE:
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SCALE: 1" = 1000'

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WELL PAD - MAB 15-15HZ

MAB 15-13HZ
 WELL LOCATION CERTIFICATE
 668' FSL & 2171' FEL SWSE (SURFACE)
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 WELD COUNTY, COLORADO

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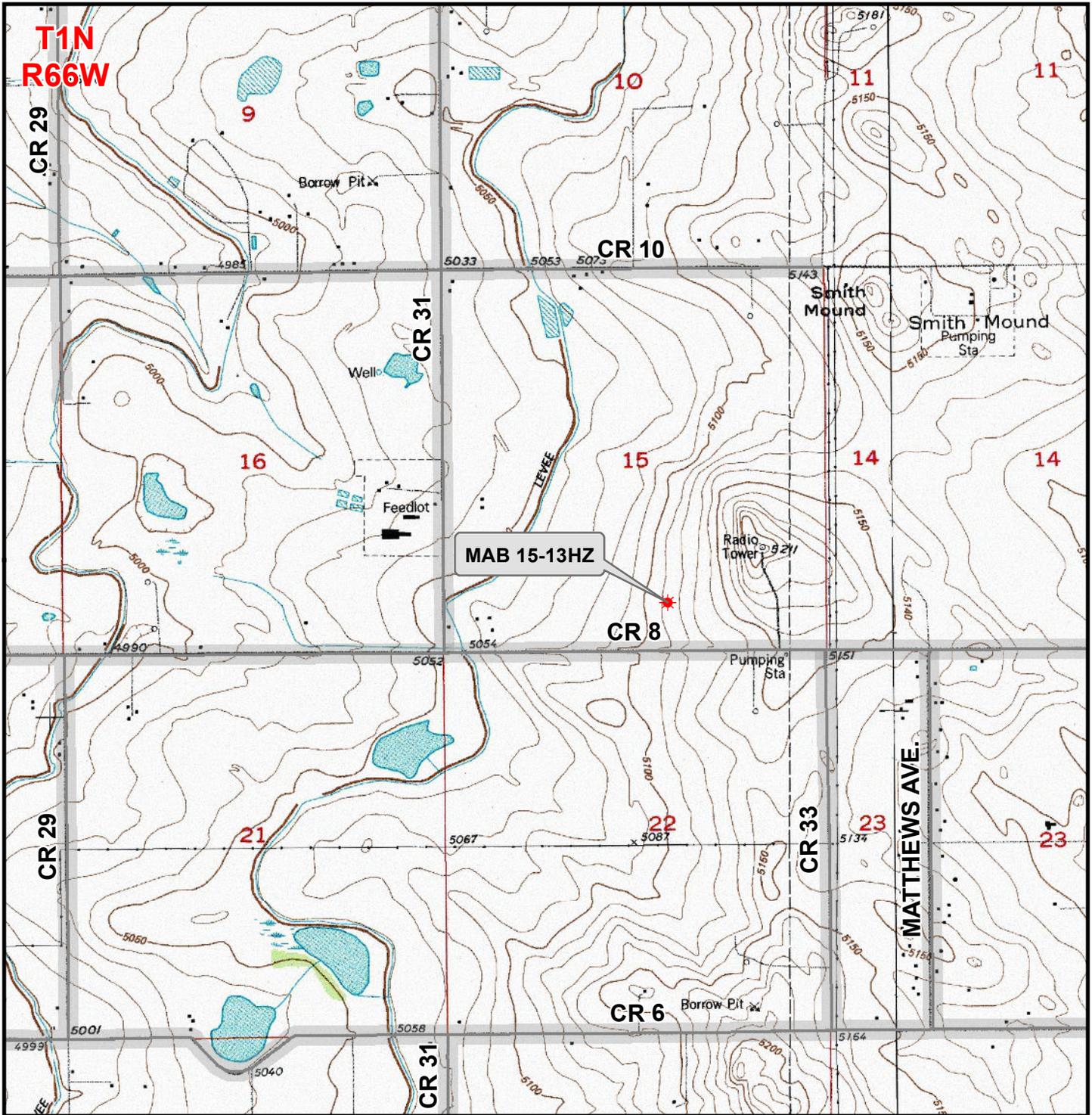
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DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 3 3 OF 3
DATE DRAFTED: 7/24/18	DATE SURVEYED: 6/25/18	
REVISED:	FILE NAME: 18-12	

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Legend

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

WELL PAD - MAB 15-15HZ
GENERAL LOCATION MAP
MAB 15-13HZ
LOCATED IN SECTION 15
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 Foxtail Drive, Suite 204 Loveland, Colorado 80538 Phone 970-776-4331	
SCALE:	1" = 2,000ft	NAD83 CO-Nft	
DRAWN:	DP	DATE: 24 Jul 2018	
REVISED:		DATE:	