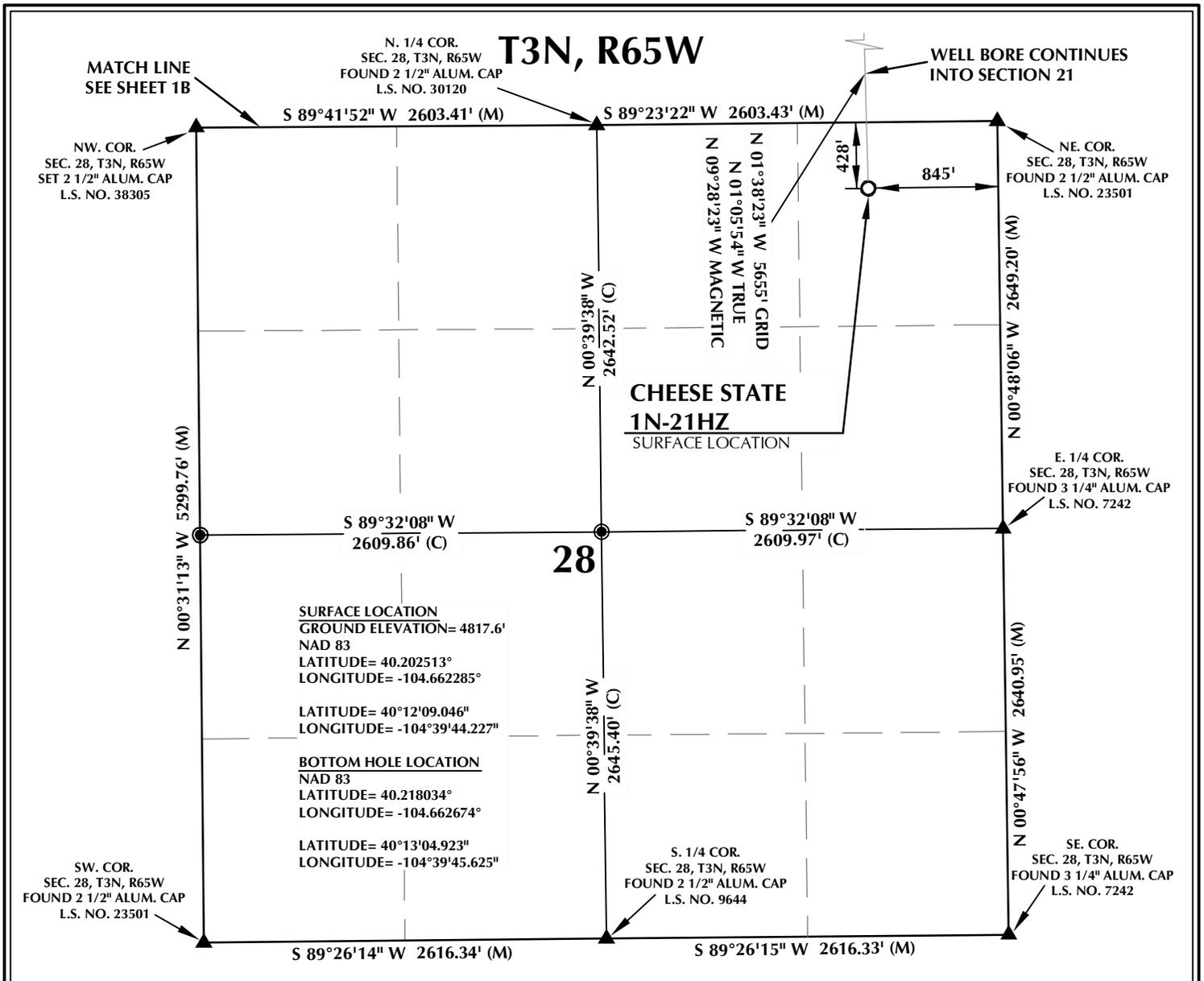


K:\MADARKO\2014\14-46 MOSES WELL STARING 3 N 65 W PLATS\CHEESE 16N-28HZ\CHEESE 16N-28HZ NORTH.dwg, 8/21/2014 4:45:25 PM, jbr



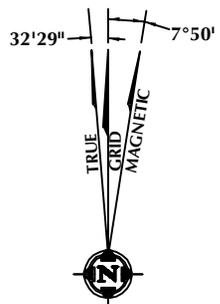
CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY 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. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Benjamin J. Reenders
PROFESSIONAL LAND SURVEYOR
 BE 38305
 8/20/14

BENJAMIN J. REENDERS
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 48305

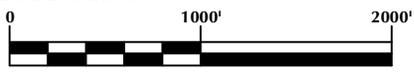
NOTICE:
 ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE ON THE CERTIFICATION SHOWN HEREON.



NOTE:
 MAGNETIC NORTH IS CURRENT AS OF 7/29/2014.
 MAGNETIC NORTH CHANGES WEST 0°08' PER YEAR.

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.
6. COMBINED SCALE FACTOR: .99972948
7. OPERATOR: ROB WILSON / PDOP = 1.4
8. SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
9. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
10. THE BOTTOM OF HOLE BEARS N01°38'23"W 5655' FROM THE SURFACE LOCATION.



SCALE: 1" = 1000'

WELL PAD - CHEESE 16N-28HZ

CHEESE STATE 1N-21HZ
WELL LOCATION CERTIFICATE
 428' FNL & 845' FEL NENE (SURFACE)
 LOCATED IN SECTION 28
 50' FNL & 926' FEL NENE (BOTTOM)
 LOCATED IN SECTION 21
 T3N, R65W, 6TH P.M.
 WELD COUNTY, COLORADO

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



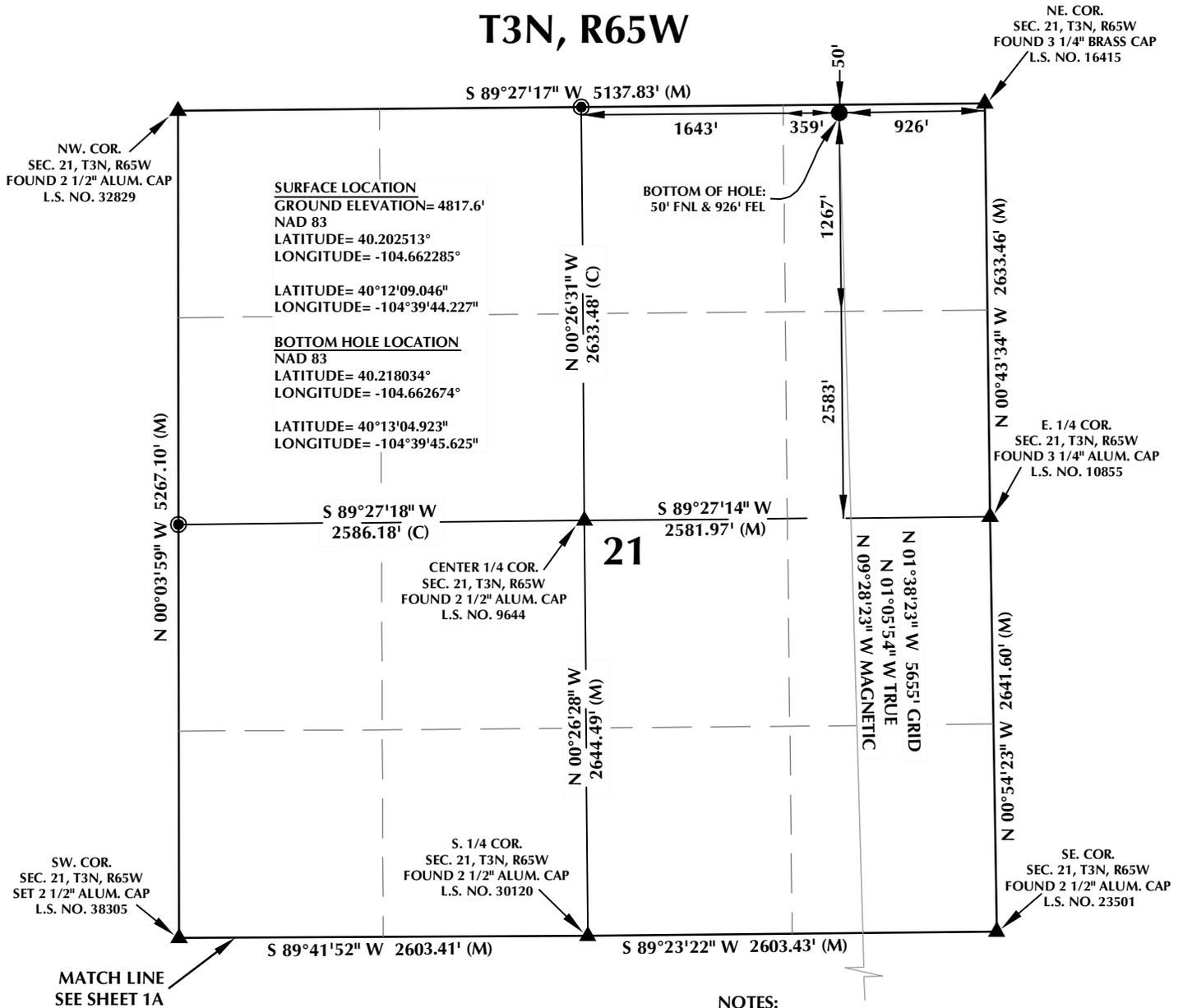
CONSULTING, LLC

SHERIDAN OFFICE
 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609

LOVELAND OFFICE
 1635 Foxtrail Drive, Suite 204
 Loveland, Colorado 80538
 Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	BJR	SHEET NO: 1A 1A OF 1
DATE DRAFTED:	8/5/14	DATE SURVEYED:	7/23/14	
REVISED:	8/20/14	FILE NAME:	14-46	

T3N, R65W



SURFACE LOCATION
 GROUND ELEVATION= 4817.6'
 NAD 83
 LATITUDE= 40.202513°
 LONGITUDE= -104.662285°

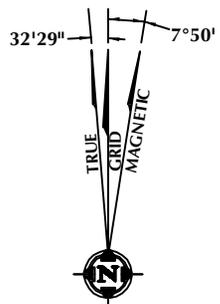
LATITUDE= 40°12'09.046"
 LONGITUDE= -104°39'44.227"

BOTTOM HOLE LOCATION
 NAD 83
 LATITUDE= 40.218034°
 LONGITUDE= -104.662674°

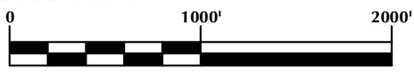
LATITUDE= 40°13'04.923"
 LONGITUDE= -104°39'45.625"

NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID09)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID.
- COMBINED SCALE FACTOR: .99972948
- OPERATOR: ROB WILSON / PDOP = 1.4
- 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 N01°38'23"W 5655' FROM THE SURFACE LOCATION.



NOTE:
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SCALE: 1" = 1000'

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Benjamin J. Reenders
 BENJAMIN J. REENDERS
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 18330
 8/20/14

NOTICE:
 ACCORDING TO COLORADO STATE LAW YOU MUST COMMENCE ANY 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 - CHEESE 16N-28HZ

CHEESE STATE 1N-21HZ
 WELL LOCATION CERTIFICATE
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**Kerr-McGee Oil &
 Gas Onshore L.P.**
 1099 18th Street
 Denver, Colorado 80202



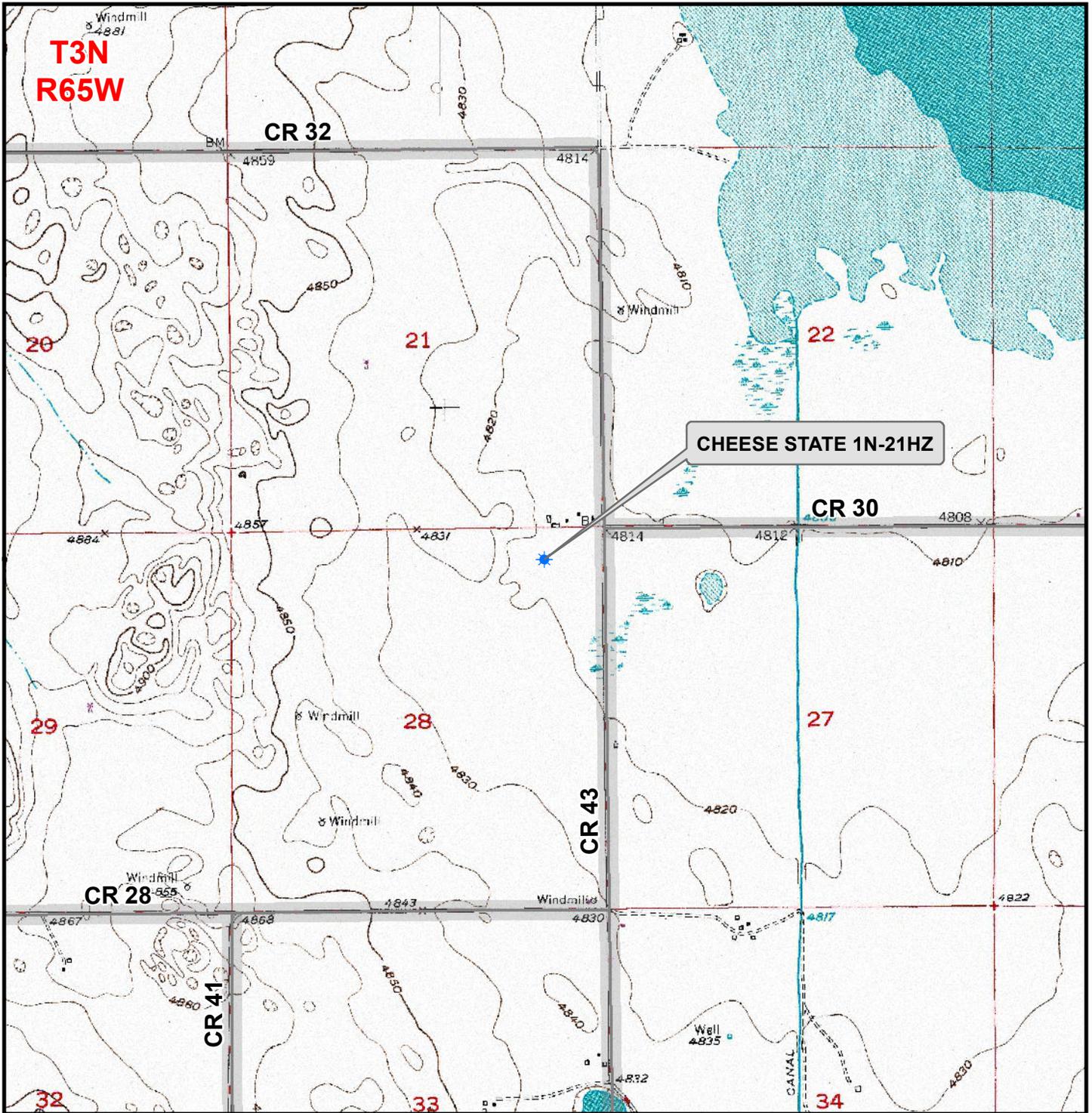
CONSULTING, LLC

SHERIDAN OFFICE: 2155 North Main Street, Sheridan, Wyoming 82801, Phone 307-674-0609
 LOVELAND OFFICE: 1635 Foxtrail Drive, Suite 204, Loveland, Colorado 80538, Phone 970-776-4331

DRAFTED BY: LMO	CHECKED BY: BJR	SHEET NO: 1B 1B OF 1
DATE DRAFTED: 8/5/14	DATE SURVEYED: 7/23/14	
REVISED: 8/20/14	FILE NAME: 14-46	

K:\ADARKO\2014\2014_46_MOSER_WELL-STAKING_21N-28HZ\PLATS\CHEESE_16N-28HZ\CHEESE_16N-28HZ_NORTHING_8/21/2014_8:58:56 AM_1008.dwg

K:\ANADARKO\2014\2014_46_MOSER_WELL-STAKING_3\65WGIS\Maps_ABC\CHEESE 16N-28HZ\CHEESE STATE 1N-21HZ.mxd 8/18/2014 4:18:17 PM



Legend

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

WELL PAD - CHEESE 16N-28HZ
GENERAL LOCATION MAP
CHEESE STATE 1N-21HZ
LOCATED IN SECTION 28
T3N, R65W, 6th P.M.
WELD COUNTY, COLORADO

Kerr-McGee Oil & Gas Onshore L.P.
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 Denver, Colorado 80202



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 Loveland, Colorado 80538
 Phone 970-776-4331



SCALE: 1" = 2,000ft	NAD83 CO-Nft
DRAWN: TL	DATE: 30 July 2014
REVISED: JELO	DATE: 20 Aug 2014