



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18th Street
Denver, CO 80202
720-929-6000

August 29, 2017

Matt Lepore
Director, Colorado Oil and Gas Conservation Commission
Department of Natural Resources
The Chancery Building
1120 Lincoln Street, Suite 801
Denver, CO 80203

Re: **30 Day Certification Letter - 318A.e**
HERGENREDER 7N-4HZ (Doc No. 401344114)
Township 3 North, Range 68 West
Section 33: NWNW
Unit Acreage: 480 Acres
Unit Spacing:

03N68W SEC 33: W2E2

03N68W SEC 33: E2W2

02N68W SEC 4: E2NW

02N68W SEC 4: W2NE

Weld County, Colorado

Dear Director Lepore:

Kerr-McGee Oil and Gas Onshore LP ("KMG") hereby certifies that KMG owns one hundred percent (100%) of the leasehold interest in the mineral rights in the proposed spacing unit. KMG hereby respectfully requests approval of this well.

If you have any questions or issues regarding this permit, please contact me at (720) 929-3159.

Sincerely,

Kerr-McGee Oil and Gas Onshore LP

Nathan S. Bennett
Regulatory Manager

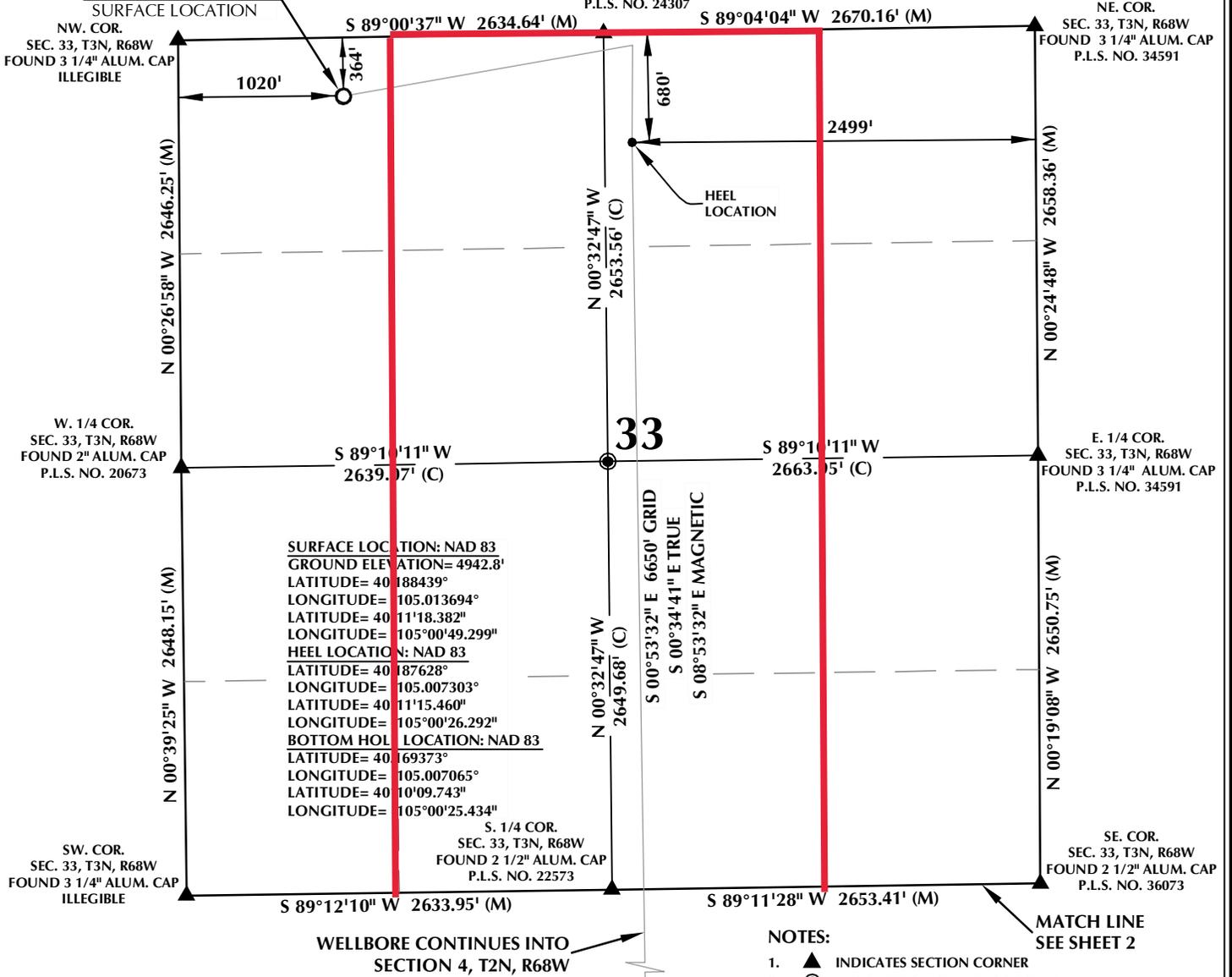
Enclosure

PROPOSED SPACING UNIT

**HERGENREDER
7N-4HZ**

T3N, R68W

N. 1/4 COR.
SEC. 33, T3N, R68W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 24307



SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4942.8'
LATITUDE= 40°18'43.9"
LONGITUDE= 105.013694"
LATITUDE= 40°11'18.382"
LONGITUDE= 105°00'49.299"
HEEL LOCATION: NAD 83
LATITUDE= 40°18'7.28"
LONGITUDE= 105.007303"
LATITUDE= 40°11'15.460"
LONGITUDE= 105°00'26.292"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40°16'9.373"
LONGITUDE= 105.007065"
LATITUDE= 40°10'09.743"
LONGITUDE= 105°00'25.434"

NOTES:

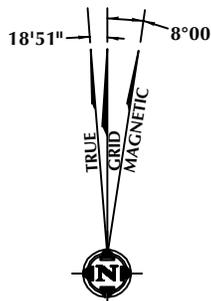
- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
- ELEVATION BASED ON NAVD88 (GEOID12A)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 2983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.
- COMBINED SCALE FACTOR: .99972556 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 4, T2N, R68W
- 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 S00°53'32"E, 6650' FROM THE HEEL LOCATION.

CERTIFICATE OF SURVEYOR:

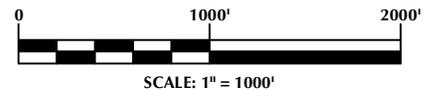
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.S. 251-302 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
38512
PROFESSIONAL LAND SURVEYOR
6/27/17
RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

NOTICE:
ACCORDING TO COLORADO STATE LAW YOU MAY 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.



NOTE:
MAGNETIC NORTH IS CURRENT AS OF 6/23/2017.
MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



WELL PAD - HERGENREDER 22N2-4HZ

HERGENREDER 7N-4HZ
WELL LOCATION CERTIFICATE
364' FNL & 1020' FWL NWNW (SURFACE)
680' FNL & 2499' FEL NWNE (HEEL)
LOCATED IN SECTION 33
T3N, R68W, 6TH P.M.
2027' FNL & 2421' FEL LOT 1 (SWNE) (BOTTOM)
LOCATED IN SECTION 4
T2N, R68W, 6TH P.M.
WELD COUNTY, COLORADO

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Gas Onshore L.P.**
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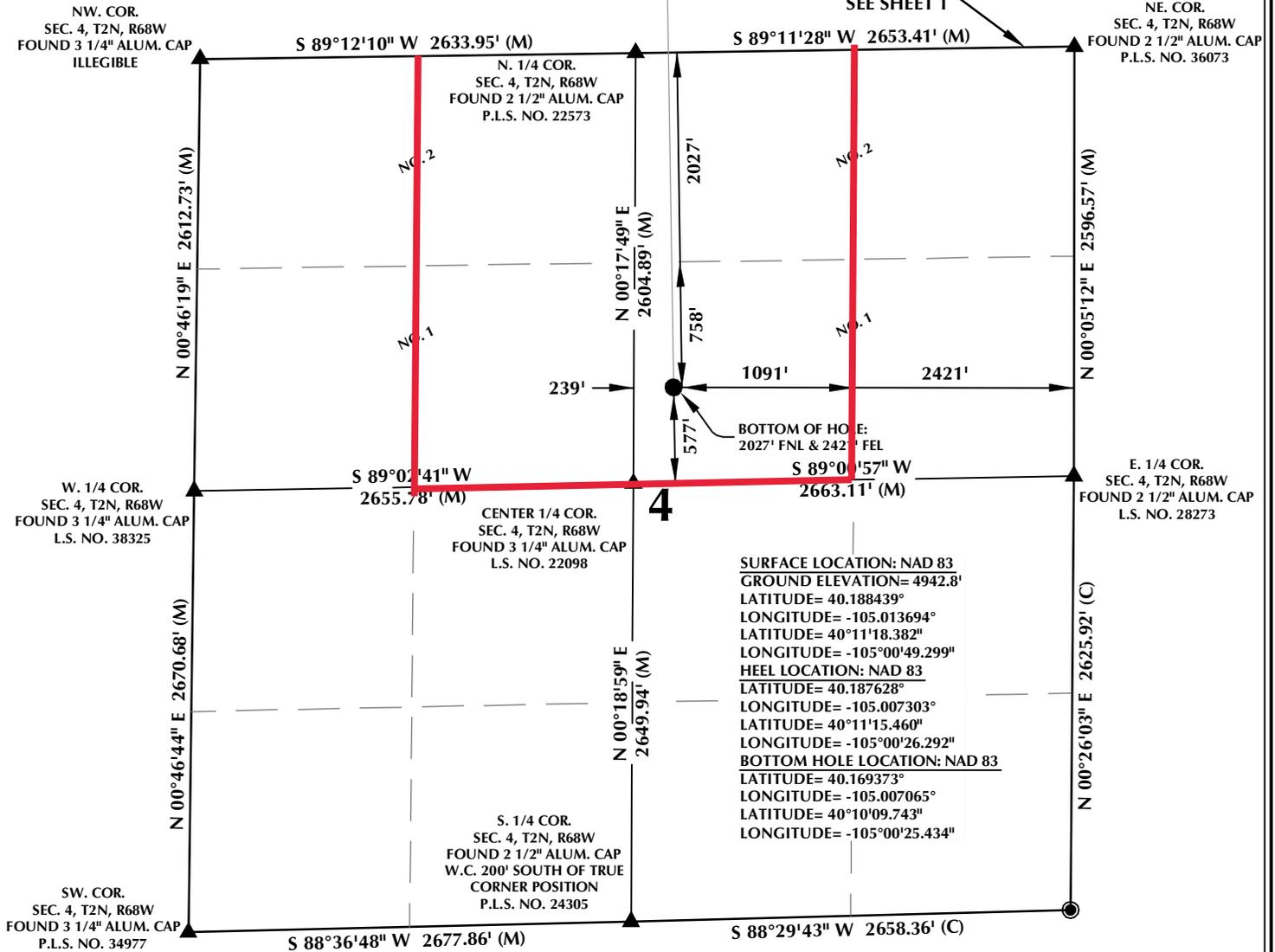
CONSULTING, LLC

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

DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 1 1 OF 2
DATE DRAFTED: 9/25/15	DATE SURVEYED: 2/21/17	
REVISED: 6/27/17	FILE NAME: 15-68	

T2N, R68W

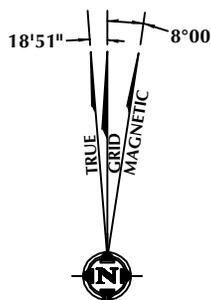


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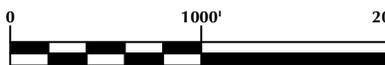
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Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38512
 6/27/17

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SCALE: 1" = 1000'

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- NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY

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