



Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

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

September 23, 2016

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**
LEINWEBER FED 4C-8HZ (DOC # 401109859)
Township 1 North, Range 67 West
Section 11: NENE
Unit Acreage: 800 Acres
Unit Spacing: 1N67W SEC 11: E2NE
1N67W SEC12: N2
1N66W SEC 7: N2
1N66W SEC 8: W2NW
Weld County, Colorado

Dear Director Lepore:

Kerr-McGee Oil and Gas Onshore LP (“KMG”) hereby certifies that a thirty (30) day notice has been given by certified mail to all mineral owners in the proposed wellbore spacing unit. We have not received any objections to such well location, proposed spacing unit, or additional producing formation. KMG hereby respectfully requests approval of this boundary well.

If you have any questions or issues regarding this permit, please contact our office.

Sincerely,

Kerr-McGee Oil and Gas Onshore LP

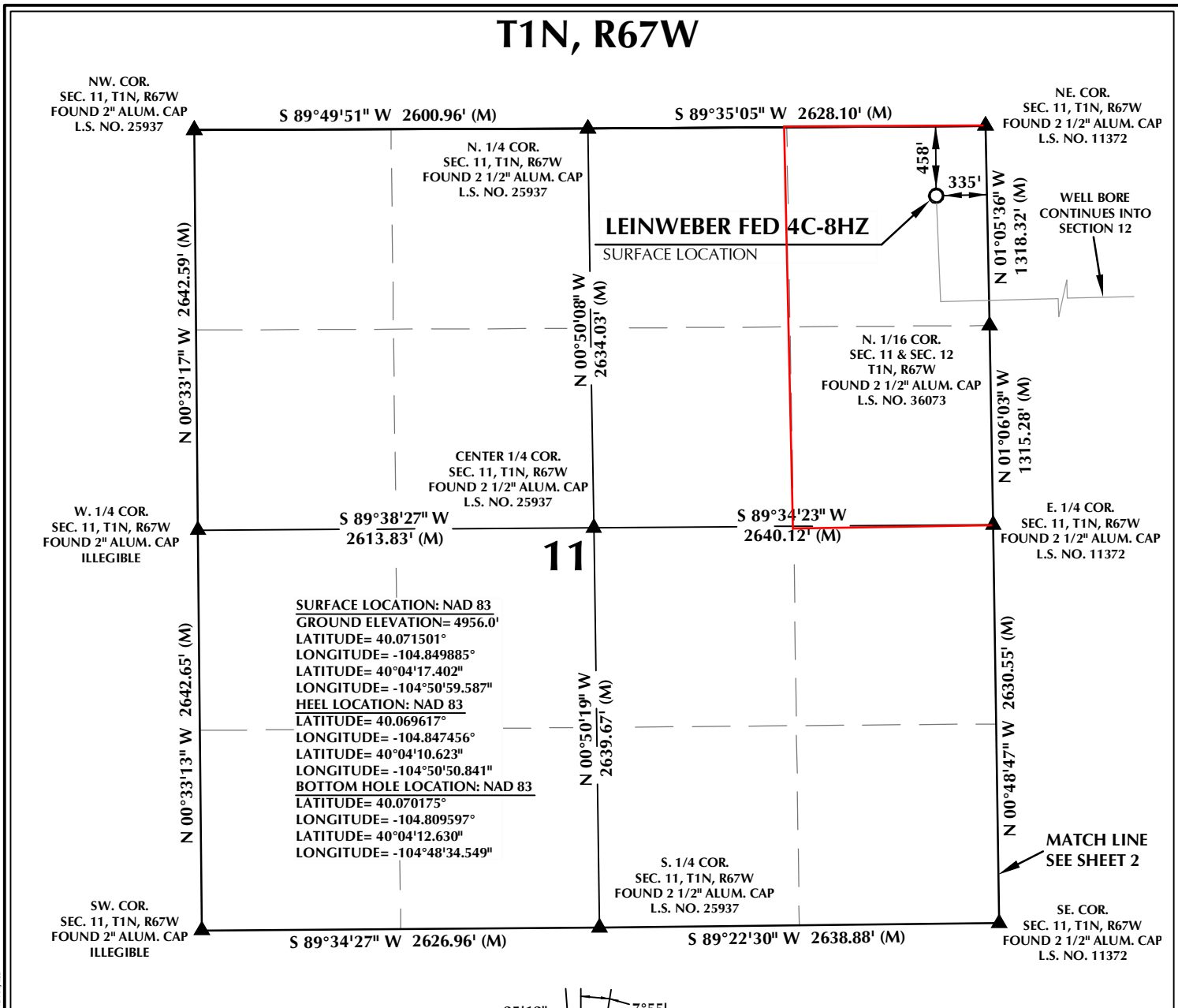
A handwritten signature in blue ink, appearing to read 'Stephanie Madrid'.

Stephanie Madrid
Regulatory Analyst I

Enclosure

Proposed Spacing Unit

T1N, R67W

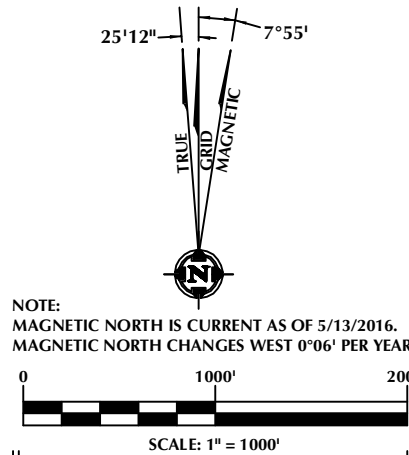


CERTIFICATE OF SURVEYOR:

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.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

Randall K. French
PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38512
 6/27/16

NOTE:
 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.



- NOTES:**
- ▲ INDICATES SECTION CORNER
 - INDICATES CALCULATED CORNER
 - ELEVATION BASED ON NAVD88 (GEOID12B)
 - BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE.
 - ALL MEASURED DISTANCES ARE GRID.
 - COMBINED SCALE FACTOR: .99972422 CALCULATED FROM THE NW CORNER OF SECTION 11, T1N, R67W
 - OPERATOR: ROB WILSON / PDOP = 1.6
 - 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 N88°28'04"E, 10597' FROM THE HEEL LOCATION.

WELL PAD - LEINWEBER FED 31N-8HZ

LEINWEBER FED 4C-8HZ
 WELL LOCATION CERTIFICATE
 458' FNL & 335' FEL NENE (SURFACE)
 LOCATED IN SECTION 11
 1143' FNL & 337' FWL NWNW (HEEL)
 LOCATED IN SECTION 12
 T1N, R67W, 6TH P.M.
 1018' FNL & 249' FWL NWNW (BOTTOM)
 LOCATED IN SECTION 8
 T1N, R66W, 6TH P.M.
 WELD COUNTY, COLORADO

Kerr-McGee Oil & Gas Onshore L.P.

1099 18th Street
 Denver, Colorado 80202

609 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 4
DATE DRAFTED: 6/27/16	DATE SURVEYED: 4/25/16	
REVISED:	FILE NAME: 16-33	

K:\ADARKO\2016\2016_33_LEINWEBER_T1N_R67W_11_12\PLATS\LEINWEBER FED 31N-8HZ PLAT.dwg, 6/29/2016 10:45:41 AM, lsb

T1N, R67W

N. 1/4 COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

NE. COR.
SEC. 12, T1N, R67W
FOUND 3 1/4" ALUM. CAP
L.S. NO. 13155

NW. COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

N. 1/16 COR.
SEC. 11 & SEC. 12
T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 36073

NW. 1/16 COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
P.L.S. NO. 38046

CN. 1/16 COR.
SEC. 12, T1N, R67W
FOUND 2" ALUM. CAP
L.S. NO. 11372

W. 1/4 COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

CW. 1/16 COR.
SEC. 12, T1N, R67W
FOUND 2" ALUM. CAP
WITNESS COR. 10' NORTH OF
CORNER POSITION
L.S. NO. 11372

CE. 1/16 COR.
SEC. 12, T1N, R67W
FOUND 2" ALUM. CAP
WITNESS COR. 25' SOUTH OF
CORNER POSITION
L.S. NO. 11372

CENTER 1/4 COR.
SEC. 12, T1N, R67W
SET 2 1/2" ALUM. CAP
P.L.S. NO. 38512

12

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4956.0'
LATITUDE= 40.071501°
LONGITUDE= -104.849885°
LATITUDE= 40°04'17.402"
LONGITUDE= -104°50'59.587"
HEEL LOCATION: NAD 83
LATITUDE= 40.069617°
LONGITUDE= -104.847456°
LATITUDE= 40°04'10.623"
LONGITUDE= -104°50'50.841"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.070175°
LONGITUDE= -104.809597°
LATITUDE= 40°04'12.630"
LONGITUDE= -104°48'34.549"

S. 1/4 COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
ILLEGIBLE

SE. COR.
SEC. 12, T1N, R67W
FOUND 2 1/2" ALUM. CAP
L.S. NO. 11372

MATCH LINE
SEE SHEET 1

MATCH LINE
SEE SHEET 3

25'12" 7°55'

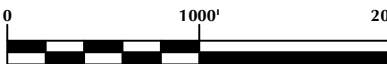
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Randall K. French
PROFESSIONAL LAND SURVEYOR
38512
6/27/16

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NOTE: MAGNETIC NORTH IS CURRENT AS OF 5/13/2016. MAGNETIC NORTH CHANGES WEST 0°06' PER YEAR.



SCALE: 1" = 1000'

NOTES:

- ▲ INDICATES SECTION CORNER
- INDICATES CALCULATED CORNER
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- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- THE BOTTOM OF HOLE BEARS N88°28'04"E, 10597' FROM THE HEEL LOCATION.

WELL PAD - LEINWEBER FED 31N-8HZ

LEINWEBER FED 4C-8HZ
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T1N, R66W

E. 1/16 COR.
SEC. 6 & SEC. 7, T1N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

NW. COR.
SEC. 7, T1N, R66W
FOUND 3 1/4th ALUM. CAP
L.S. NO. 13155

S 87°42'42" W 2789.45' (M)

S 89°45'52" W
1318.81' (M)

S 89°41'56" W
1320.11' (M)

NE. COR.
SEC. 7, T1N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 30830

N. 1/4 COR.
SEC. 7, T1N, R66W
SET 2 1/2th ALUM. CAP
P.L.S. NO. 38512

N 88°28'04" E 10597' GRID
N 88°53'16" E TRUE
N 80°33'04" E MAGNETIC

N 00°54'42" W 2638.38' (M)

N 00°42'53" W
2687.95' (M)

N 00°33'37" W 2639.50' (M)

WELL BORE
CONTINUES INTO
SECTION 8

CENTER 1/4 COR.
SEC. 7, T1N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

S 88°43'42" W
2779.47' (M)

S 88°40'40" W
2631.87' (M)

E. 1/4 COR.
SEC. 7, T1N, R66W
FOUND 2 1/2th ALUM. CAP
L.S. NO. 30830

W. 1/4 COR.
SEC. 7, T1N, R66W
FOUND 3 1/4th ALUM. CAP
L.S. NO. 13155

N 00°41'02" W 2614.03' (M)

N 00°30'31" W
2621.35' (M)

N 00°33'46" W 2639.58' (M)

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4956.0'
LATITUDE= 40.071501°
LONGITUDE= -104.849885°
LATITUDE= 40°04'17.402"
LONGITUDE= -104°50'59.587"
HEEL LOCATION: NAD 83
LATITUDE= 40.069617°
LONGITUDE= -104.847456°
LATITUDE= 40°04'10.623"
LONGITUDE= -104°50'50.841"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.070175°
LONGITUDE= -104.809597°
LATITUDE= 40°04'12.630"
LONGITUDE= -104°48'34.549"

MATCH LINE
SEE SHEET 2

MATCH LINE
SEE SHEET 4

SW. COR.
SEC. 7, T1N, R66W
FOUND 2 1/2th ALUM. CAP
L.S. NO. 11372

S 88°52'40" W 2771.39' (M)

S 89°04'50" W
1317.00' (M)

S 89°04'10" W
1317.17' (M)

SE. COR.
SEC. 7, T1N, R66W
FOUND 3 1/4th ALUM. CAP
L.S. NO. 25942

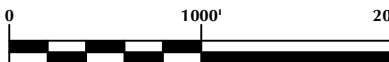
S. 1/4 COR.
SEC. 7, T1N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

E. 1/16 COR.
SEC. 7 & SEC. 18, T1N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

25'12" 7°55'



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- NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 OF THE ORIGINAL GLO SURVEY.
- THE BOTTOM OF HOLE BEARS N88°28'04"E, 10597' FROM THE HEEL LOCATION.

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Randall K. French
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512
6/27/16

RANDALL K. FRENCH
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

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LEINWEBER FED 4C-8HZ
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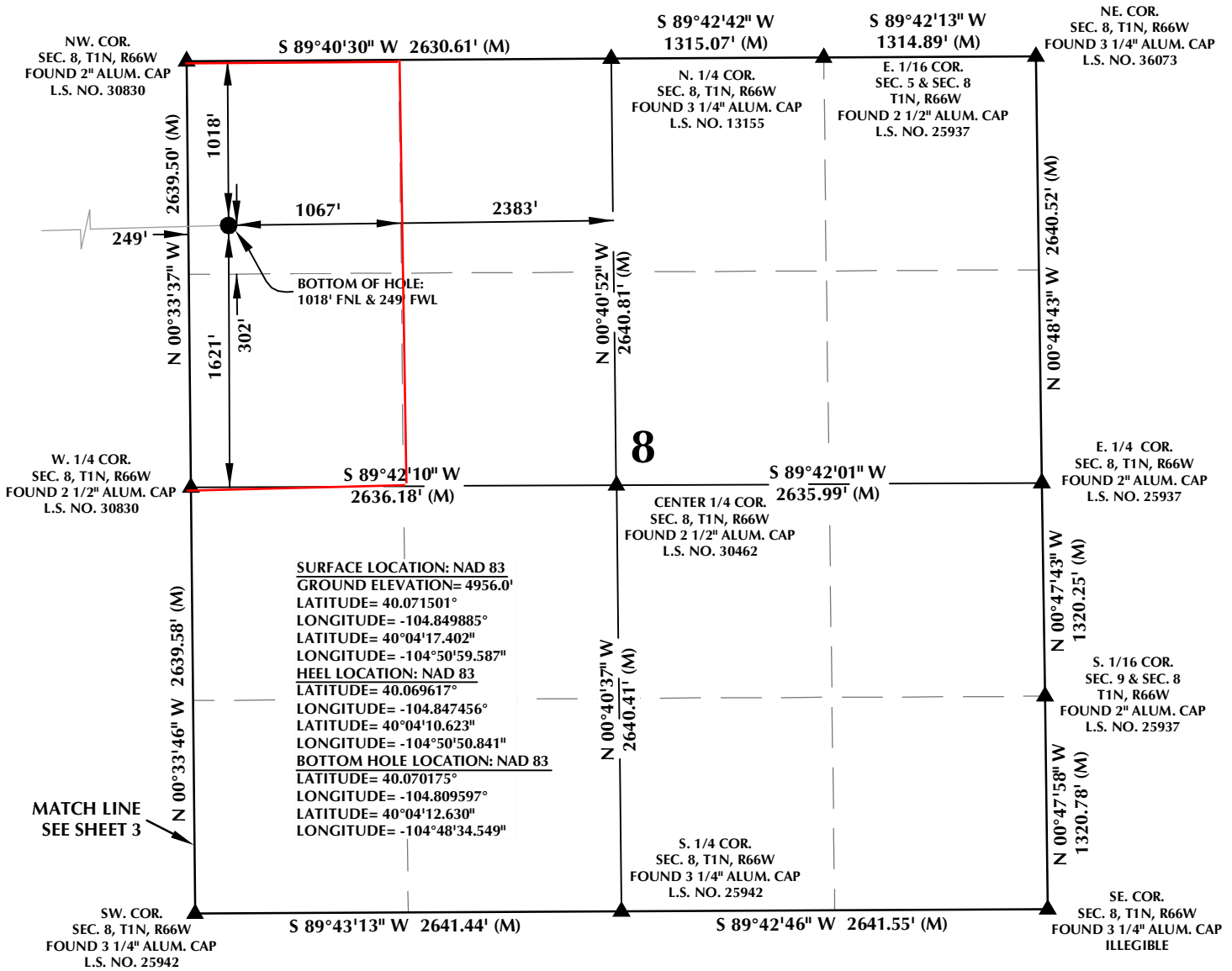
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T1N, R66W

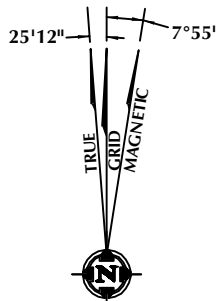


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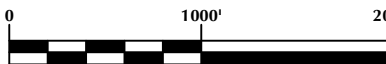
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Randall K. French
RANDALL K. FRENCH
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