



# Kerr-McGee Oil & Gas Onshore LP

A subsidiary of Anadarko Petroleum Corporation

1099 18<sup>th</sup> 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 31N-8HZ (DOC # 401109856)  
Township 1 North, Range 67 West  
Section 11: NENE  
Unit Acreage: 800 Acres  
Unit Spacing: 1N67W-SEC 11: E2NE  
1N67W-SEC 12: 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,

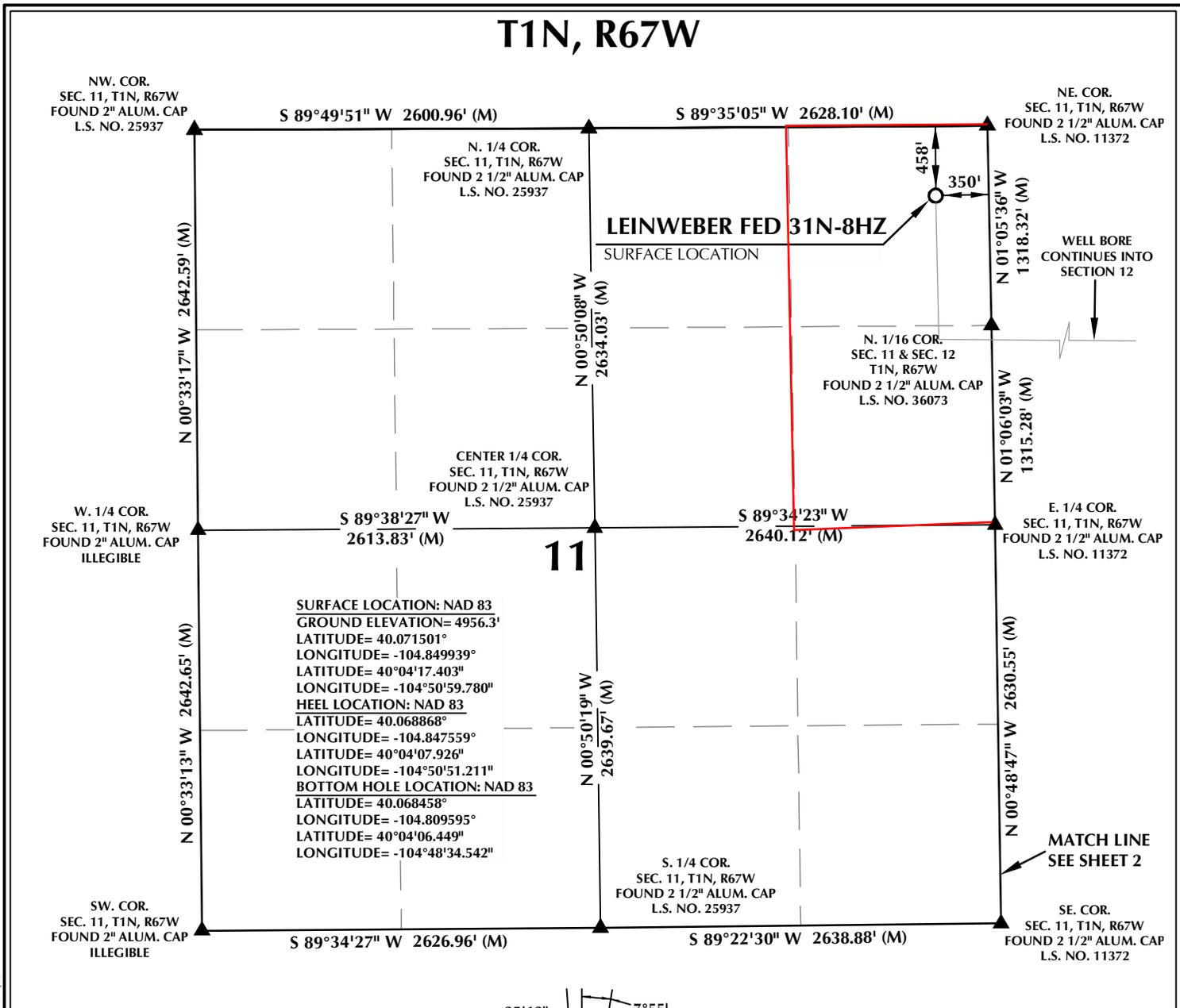
**Kerr-McGee Oil and Gas Onshore LP**

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

Stephanie Madrid  
Regulatory Analyst I

Enclosure

# T1N, R67W



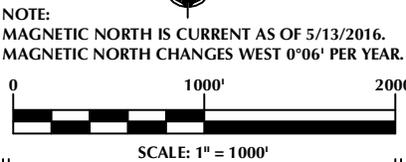
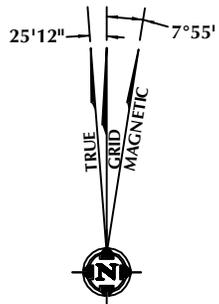
**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4956.3'  
 LATITUDE= 40.071501°  
 LONGITUDE= -104.849939°  
 LATITUDE= 40°04'17.403"  
 LONGITUDE= -104°50'59.780"  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.068868°  
 LONGITUDE= -104.847559°  
 LATITUDE= 40°04'07.926"  
 LONGITUDE= -104°50'51.211"  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.068458°  
 LONGITUDE= -104.809595°  
 LATITUDE= 40°04'06.449"  
 LONGITUDE= -104°48'34.542"

### 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*  
 RANDALL K. FRENCH  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 18512

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 S89°37'41"E, 10626' FROM THE HEEL LOCATION.

**WELL PAD - LEINWEBER FED 31N-8HZ**

LEINWEBER FED 31N-8HZ  
 WELL LOCATION CERTIFICATE  
 458' FNL & 350' FEL NENE (SURFACE)  
 LOCATED IN SECTION 11  
 1416' FNL & 305' FWL SWNW (HEEL)  
 LOCATED IN SECTION 12  
 T1N, R67W, 6TH P.M.  
 1644' FNL & 249' FWL SWNW (BOTTOM)  
 LOCATED IN SECTION 8  
 T1N, R66W, 6TH P.M.  
 WELD COUNTY, COLORADO

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**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: <b>1</b> 1 OF 4
DATE DRAFTED: 6/27/16	DATE SURVEYED: 4/25/16	
REVISED:	FILE NAME: 16-33	

K:\ADARKO\2016\16\_33\_LEINWEBER\_FED\_31N-8HZ\LEINWEBER\_FED\_31N-8HZ\_P1AT.dwg, 6/29/2016 10:45:21 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

S 89°27'26" W 2646.38' (M)

S 89°47'20" W 2620.77' (M)

N 01°05'36" W  
1318.32' (M)

N 01°08'30" W  
1314.16' (M)

N 00°54'42" W  
2638.38' (M)

WELL BORE  
CONTINUES INTO  
SECTION 7, T1N, R66W

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

HEEL LOCATION

S 89°45'28" W

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

S 89°37'41" E 10626' GRID

S 89°12'29" E TRUE

N 82°27'19" E MAGNETIC

NW. 1/16 COR. 1312.22' (M)  
SEC. 12, T1N, R67W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 38046

305'

N 01°06'03" W  
1315.28' (M)

N 00°54'25" W  
1313.40' (M)

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

12

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

S 89°40'27" W

S 89°38'27" W

S 89°42'32" W

S 89°40'36" W

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

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

N 00°48'47" W  
2630.55' (M)

N 01°12'39" W  
2623.45' (M)

SURFACE LOCATION: NAD 83  
GROUND ELEVATION= 4956.3'  
LATITUDE= 40.071501°  
LONGITUDE= -104.849939°  
LATITUDE= 40°04'17.403"  
LONGITUDE= -104°50'59.780"  
HEEL LOCATION: NAD 83  
LATITUDE= 40.068868°  
LONGITUDE= -104.847559°  
LATITUDE= 40°04'07.926"  
LONGITUDE= -104°50'51.211"  
BOTTOM HOLE LOCATION: NAD 83  
LATITUDE= 40.068458°  
LONGITUDE= -104.809595°  
LATITUDE= 40°04'06.449"  
LONGITUDE= -104°48'34.542"

MATCH LINE  
SEE SHEET 1

MATCH LINE  
SEE SHEET 3

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

S 89°29'55" W 2635.51' (M)

S 89°29'33" W 2617.13' (M)

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

25'12" 7°55'



## CERTIFICATE OF SURVEYOR:

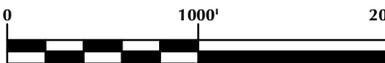
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*Randall K. French*  
PROFESSIONAL LAND SURVEYOR  
627/16

RANDALL K. FRENCH  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 38512

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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
- ELEVATION BASED ON NAVD88 (GEOID12B)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE.
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- 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 S89°37'41"E, 10626' FROM THE HEEL LOCATION.

## WELL PAD - LEINWEBER FED 31N-8HZ

LEINWEBER FED 31N-8HZ  
WELL LOCATION CERTIFICATE  
458' FNL & 350' FEL NENE (SURFACE)  
LOCATED IN SECTION 11  
1416' FNL & 305' FWL SWNW (HEEL)  
LOCATED IN SECTION 12  
T1N, R67W, 6TH P.M.  
1644' FNL & 249' FWL SWNW (BOTTOM)  
LOCATED IN SECTION 8  
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WELD COUNTY, COLORADO

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DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: <b>2</b> 2 OF 4
DATE DRAFTED: 6/27/16	DATE SURVEYED: 4/25/16	
REVISED:	FILE NAME: 16-33	

# T1N, R66W

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

NW. COR.  
SEC. 7, T1N, R66W  
FOUND 3 1/4<sup>th</sup> 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 2<sup>nd</sup> ALUM. CAP  
L.S. NO. 30830

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

N 00°54'42" W 2638.38' (M)

N 00°42'53" W  
2687.95' (M)

S 89°37'41" E 10626' GRID  
S 89°12'29" E TRUE  
N 82°27'19" E MAGNETIC

N 00°33'37" W 2639.50' (M)

WELL BORE  
CONTINUES INTO  
SECTION 8

CENTER 1/4 COR.  
SEC. 7, T1N, R66W  
FOUND 2<sup>nd</sup> 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 1/2<sup>th</sup> ALUM. CAP  
L.S. NO. 30830

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

N 00°41'02" W 2614.03' (M)

N 00°30'31" W  
2621.35' (M)

SURFACE LOCATION: NAD 83  
GROUND ELEVATION= 4956.3'  
LATITUDE= 40.071501°  
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LONGITUDE= -104.809595°  
LATITUDE= 40°04'06.449"  
LONGITUDE= -104°48'34.542"

N 00°33'46" W 2639.58' (M)

MATCH LINE  
SEE SHEET 4

MATCH LINE  
SEE SHEET 2

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

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

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

S 88°52'40" W 2771.39' (M)

S 89°04'50" W  
1317.00' (M)

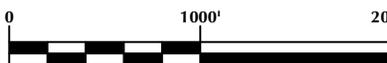
S 89°04'10" W  
1317.17' (M)

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

25'12" 7°55'



NOTE:  
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## NOTES:

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- WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
- NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 OF THE ORIGINAL GLO SURVEY.
- THE BOTTOM OF HOLE BEARS S89°37'41"E, 10626' FROM THE HEEL LOCATION.

## CERTIFICATE OF SURVEYOR:

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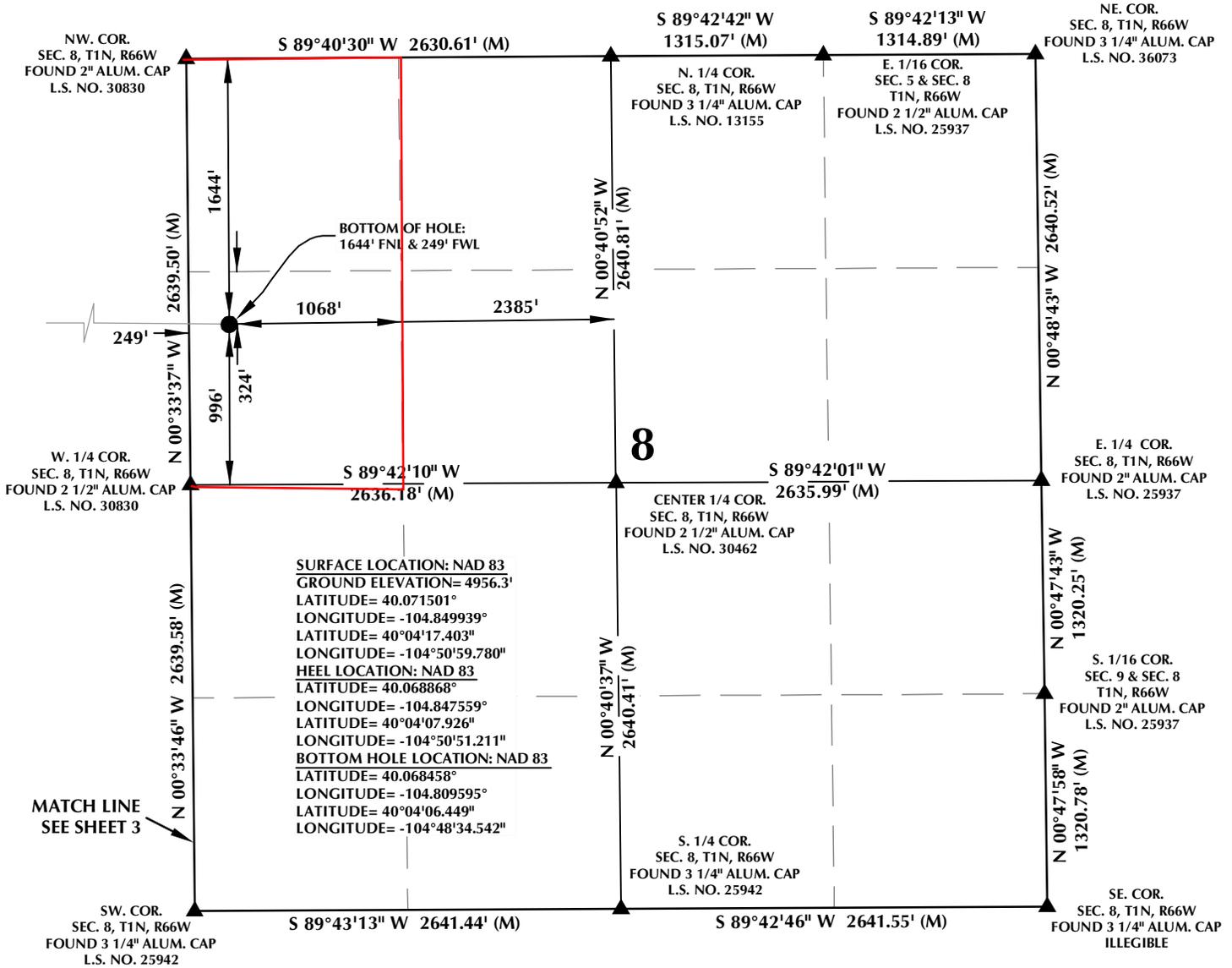
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# T1N, R66W

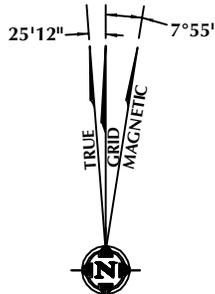


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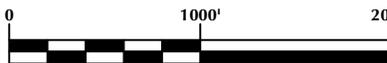
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