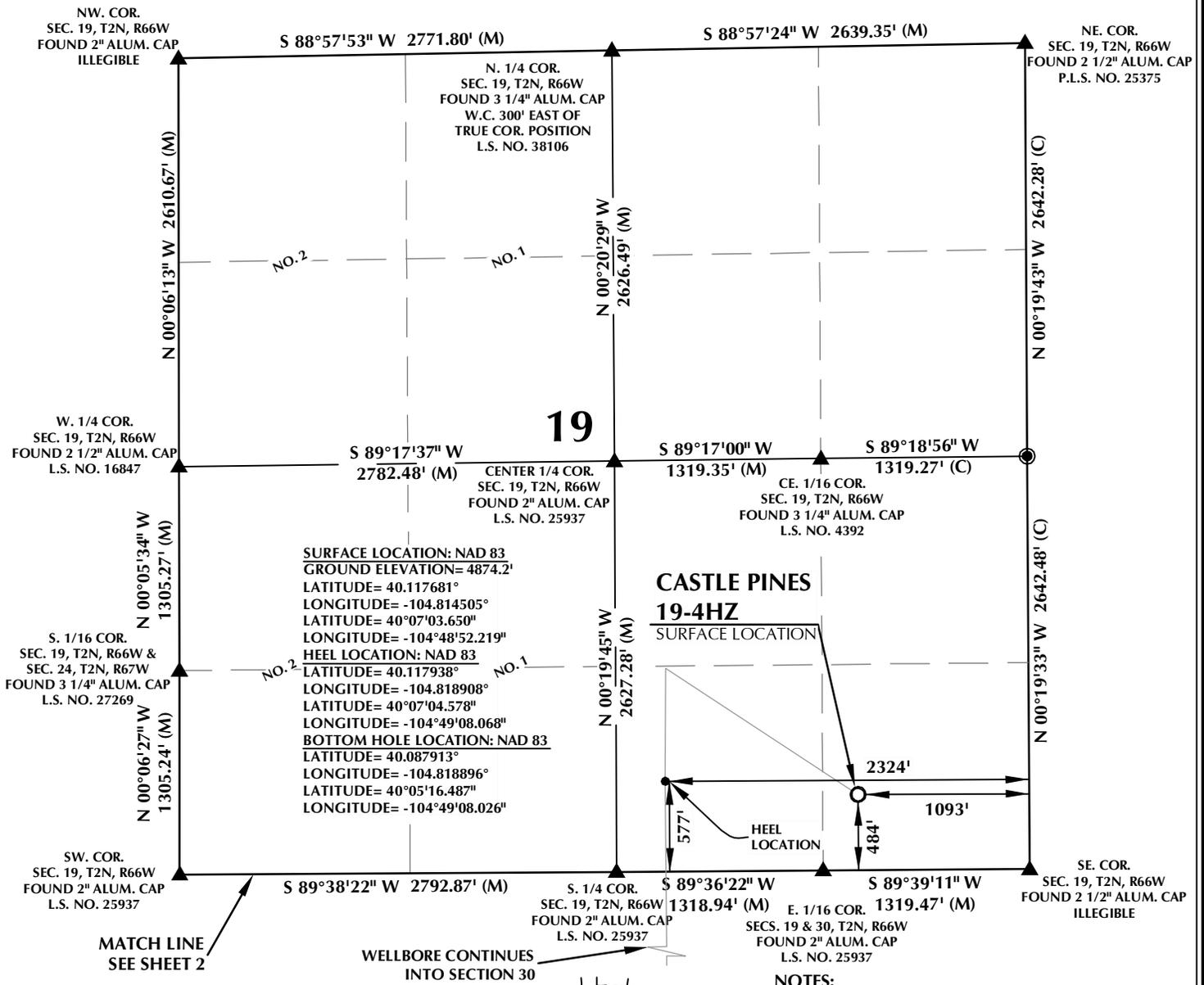


T2N, R66W

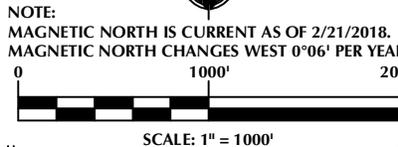


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Randall K. French
 RANDALL K. FRENCH
 PROFESSIONAL LAND SURVEYOR
 COLORADO REGISTRATION NUMBER 38512
 3/15/18

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NOTES:

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COMBINED SCALE FACTOR: .99973013 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 18, T2N, R66W.
OPERATOR: PRESTON KNUTSEN / PDOP = 1.3.
- 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°27'27"E, 10938' FROM THE HEEL LOCATION.
- NO. 1 & NO. 2 AS SHOWN HEREON ARE GOVERNMENT LOTS 1 & 2 PER THE ORIGINAL GLO SURVEY.

WELL PAD - CASTLE PINES 16-19HZ

CASTLE PINES 19-4HZ
 WELL LOCATION CERTIFICATE
 484' FSL & 1093' FEL SESE (SURFACE)
 577' FSL & 2324' FEL SWSE (HEEL)
 LOCATED IN SECTION 19
 201' FSL & 2340' FEL SWSE (BOTTOM)
 LOCATED IN SECTION 31
 T2N, R66W, 6TH P.M.
 WELD COUNTY, COLORADO

Kerr-McGee Oil & Gas Onshore L.P.
 1099 18th Street
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DRAFTED BY: LMO	CHECKED BY: RKF	SHEET NO: 1 1 OF 3
DATE DRAFTED: 3/15/18	DATE SURVEYED: 1/5/18	
REVISED:	FILE NAME: 16-175	

T2N, R66W

E. 1/16 COR.
SEC. 19 & SEC. 30, T2N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

NE. COR.
SEC. 30, T2N, R66W
FOUND 2 1/2nd ALUM. CAP
ILLEGIBLE

NW. COR.
SEC. 30, T2N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

S 89°38'22" W 2792.87' (M)

S 89°36'22" W
1318.94' (M)

S 89°39'11" W
1319.47' (M)

N 00°24'00" W
1333.11' (M)

N. 1/4 COR.
SEC. 30, T2N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

N 00°05'53" W
1324.75' (M)

N 00°33'48" W
1317.34' (M)

N. 1/16 COR.
SEC. 29 & SEC. 30
T2N, R66W
FOUND 3 1/4th
ALUM. CAP
120' WEST OF TRUE
COR. POSITION
L.S. NO. 34995

NE. 1/16 COR.
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
W.C. 138' EAST OF TRUE
COR. POSITION
L.S. NO. 34995

CN. 1/16 COR.
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
L.S. NO. 38106

N 00°20'02" W
1321.07' (M)

N 00°33'53" W
1317.75' (M)

N. 1/16 COR.
SEC. 25, T2N, R67W &
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
L.S. NO. 38106

N 00°24'52" W
1333.47' (M)

CENTER 1/4 COR.
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
W.C. 15' NORTH OF
TRUE COR. POSITION
L.S. NO. 38106

N 00°05'16" W
1325.31' (M)

S 89°18'05" W
1330.47' (M)

S 89°18'50" W
1329.73' (M)

N 00°34'19" W 2635.27' (M)

E. 1/4 COR.
SEC. 30, T2N, R66W
FOUND 2 1/2nd
ALUM. CAP
P.L.S. NO. 25375

CE. 1/16 COR.
SEC. 30, T2N, R66W
FOUND 2nd ALUM. CAP
L.S. NO. 25937

30

SURFACE LOCATION: NAD 83
GROUND ELEVATION= 4874.2'
LATITUDE= 40.117681°
LONGITUDE= -104.814505°
LATITUDE= 40°07'03.650"
LONGITUDE= -104°48'52.219"
HEEL LOCATION: NAD 83
LATITUDE= 40.117938°
LONGITUDE= -104.818908°
LATITUDE= 40°07'04.578"
LONGITUDE= -104°49'08.068"
BOTTOM HOLE LOCATION: NAD 83
LATITUDE= 40.087913°
LONGITUDE= -104.818896°
LATITUDE= 40°05'16.487"
LONGITUDE= -104°49'08.026"

S 00°27'27" E 10938' GRID
S 00°00'52" E TRUE
S 08°08'27" E MAGNETIC

N 00°42'17" W
1318.58' (M)

N 00°04'07" W
2636.12' (M)

N 00°34'19" W 2635.27' (M)

S. 1/16 COR.
SEC. 25, T2N, R67W &
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
W.C. 230' NORTH OF
TRUE COR. POSITION
L.S. NO. 38106

N 00°40'35" W
1318.42' (M)

S. 1/4 COR.
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
P.L.S. NO. 10855

S 89°17'34" W 2683.35' (M)

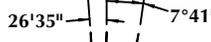
SE. COR.
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
W.C. 120' WEST OF
TRUE COR. POSITION
L.S. NO. 13155

SW. COR.
SEC. 30, T2N, R66W
FOUND 3 1/4th ALUM. CAP
P.L.S. NO. 25369

S 89°16'35" W 2749.76' (M)

WELLBORE CONTINUES
INTO SECTION 31

MATCH LINE
SEE SHEET 3



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3/15/18
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 38512

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SCALE: 1" = 1000'

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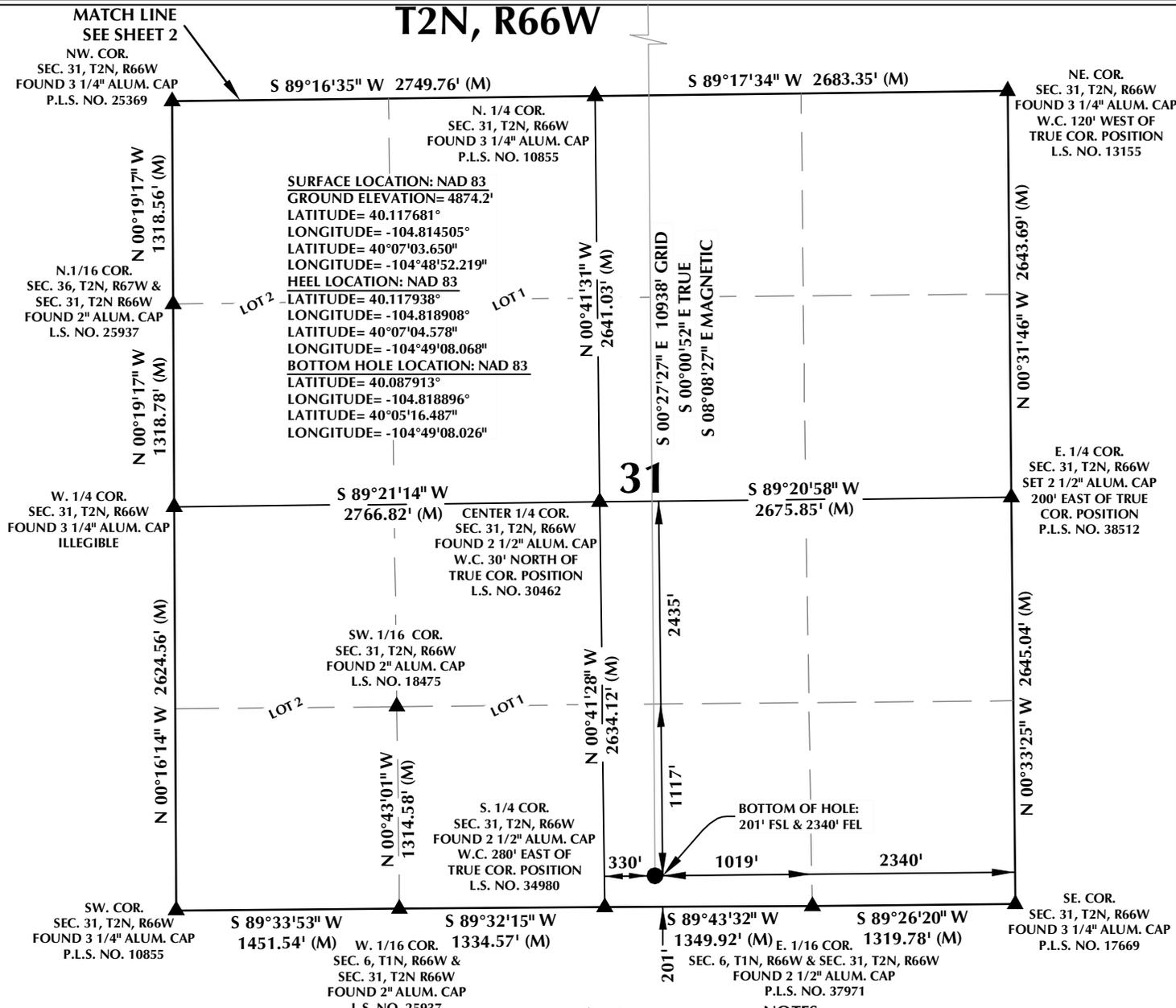
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T2N, R66W

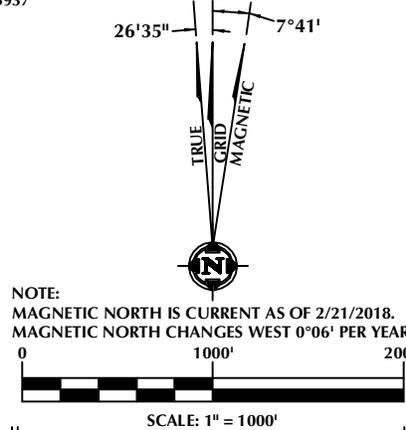


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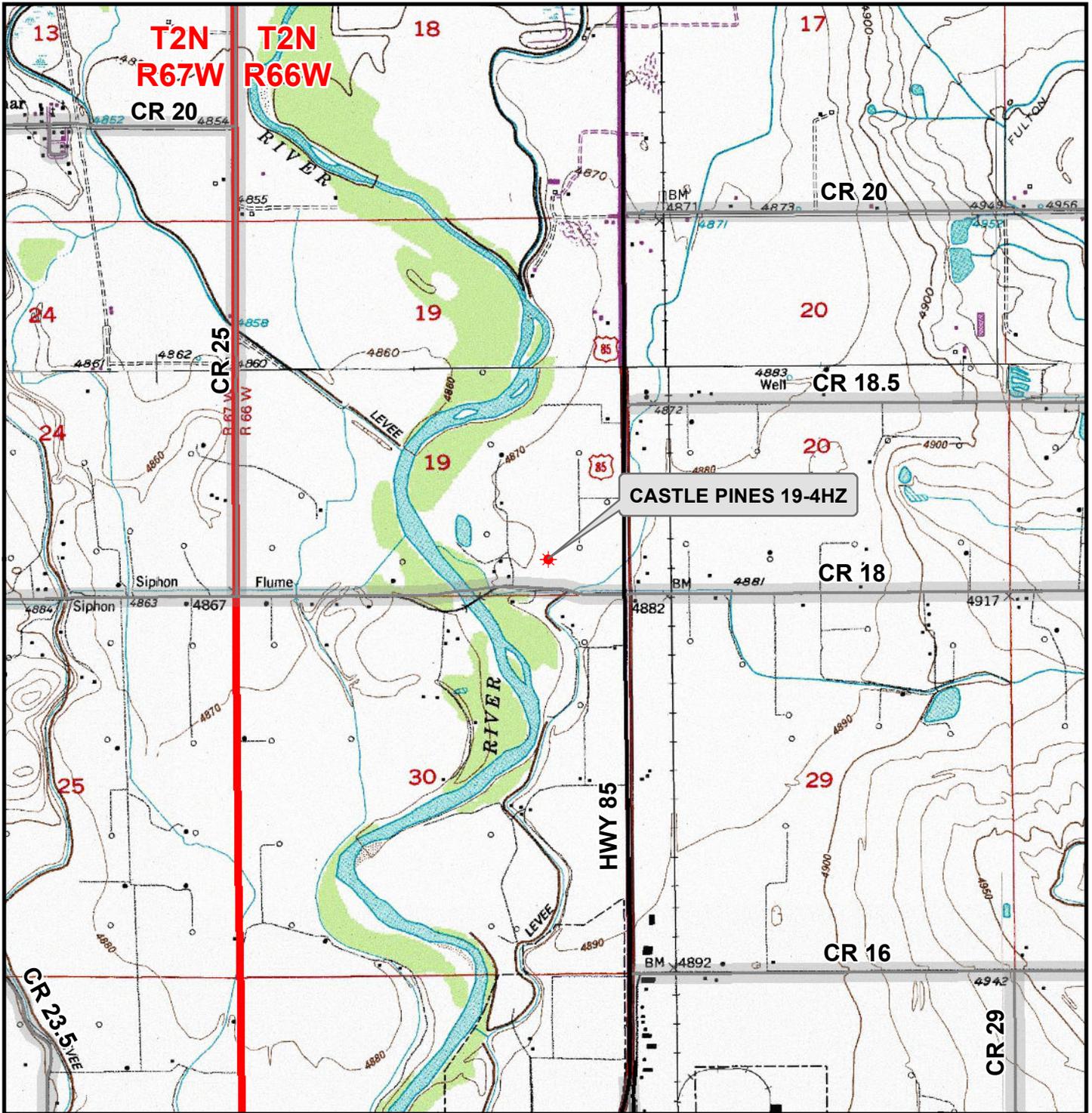
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609 CONSULTING, LLC

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CASTLE PINES 19-4HZ

Legend

- ★ Well - Fee - Proposed
- ==== Road - Primitive - Existing
- Road - County - Existing
- Road - Improved - Existing
- Road - Highway - Existing

WELL PAD - CASTLE PINES 16-19HZ

**GENERAL LOCATION MAP
 CASTLE PINES 19-4HZ
 LOCATED IN SECTION 19
 T2N, R66W, 6th P.M.
 WELD COUNTY, COLORADO**

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SCALE: 1" = 2,000ft

NAD83 CO-Nft

DRAWN: DP

DATE: 16 Mar 2018

REVISED:

DATE: