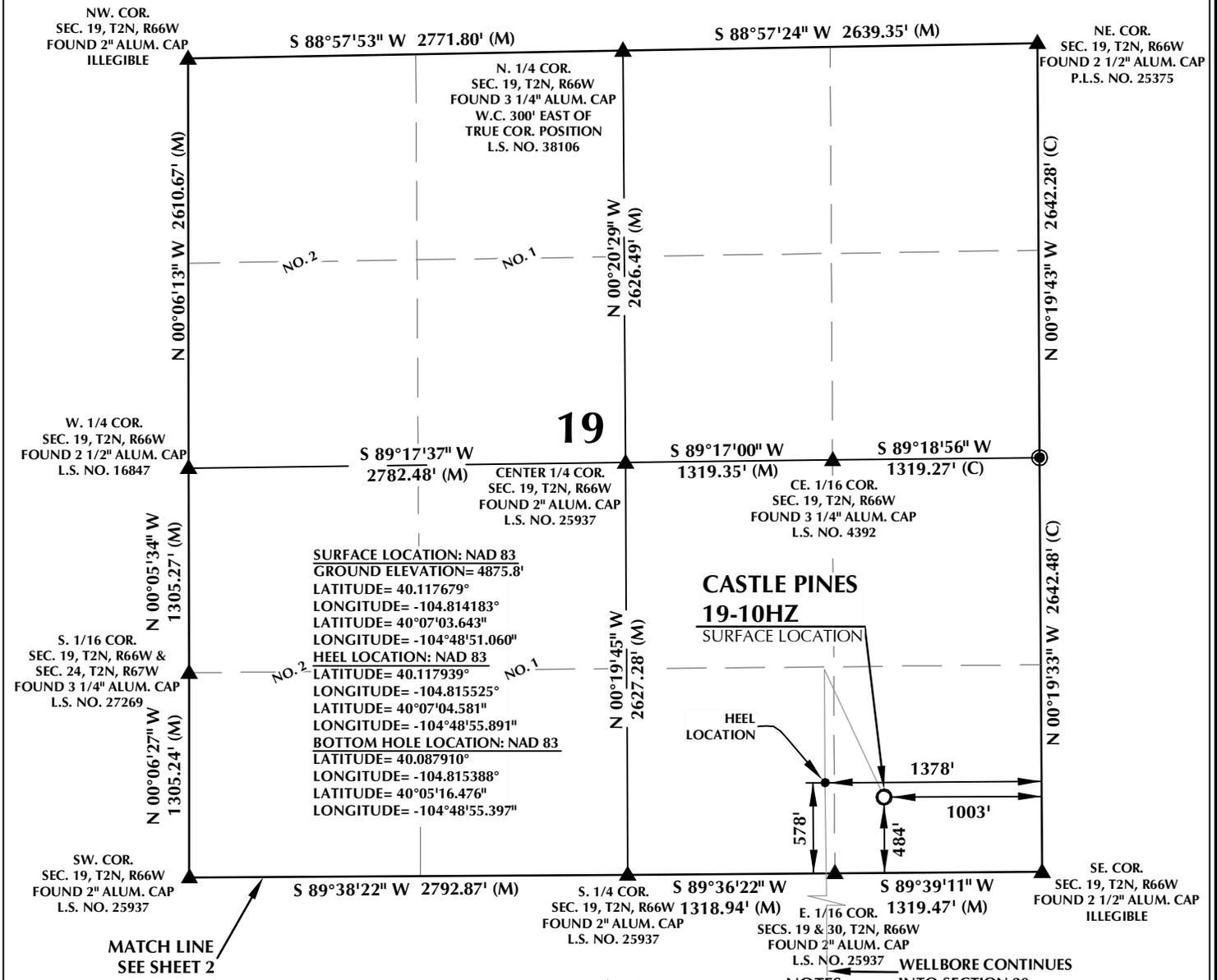


# T2N, R66W



**SURFACE LOCATION: NAD 83**  
 GROUND ELEVATION= 4875.8'  
 LATITUDE= 40.117679°  
 LONGITUDE= -104.814183°  
**HEEL LOCATION: NAD 83**  
 LATITUDE= 40.117939°  
 LONGITUDE= -104.815525°  
**BOTTOM HOLE LOCATION: NAD 83**  
 LATITUDE= 40.087910°  
 LONGITUDE= -104.815388°  
 LATITUDE= 40.0516476°  
 LONGITUDE= -104.4855.397°

**CASTLE PINES**  
**19-10HZ**  
 SURFACE LOCATION

HEEL LOCATION

1378'  
 1003'  
 578'  
 484'

MATCH LINE  
 SEE SHEET 2

NOTES:  
 WELLBORE CONTINUES INTO SECTION 30

## CERTIFICATE OF SURVEYOR:

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS 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. 17-5-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

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

NOTICE: ACCORDING TO COLORADO STATE LAW YOU MUST 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.

26'35" 7°41'



SCALE: 1" = 1000'

- ▲ INDICATES SECTION CORNER.
- INDICATES CALCULATED CORNER.
- ELEVATION BASED ON NAVD88 (GEOID12B).
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
- ALL MEASURED DISTANCES ARE GRID.  
 COMBINED SCALE FACTOR: .99973013 CALCULATED FROM THE W. 1/4 CORNER OF SECTION 18, T2N, R66W.  
 OPERATOR: PRESTON KNUTSEN / PDOP = 1.5.
- 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°38'36"E, 10939' 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 19-10HZ  
 WELL LOCATION CERTIFICATE  
 484' FSL & 1003' FEL SESE (SURFACE)  
 578' FSL & 1378' FEL SWSE (HEEL)  
 LOCATED IN SECTION 19  
 203' FSL & 1359' 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  
 Denver, Colorado 80202

**609 CONSULTING, LLC**

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 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 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 2<sup>nd</sup> ALUM. CAP  
L.S. NO. 25937

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

NW. COR.  
SEC. 30, T2N, R66W  
FOUND 2<sup>nd</sup> 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)

MATCH LINE  
SEE SHEET 1

N 00°24'00" W  
1333.11' (M)

N 00°05'53" W  
1324.75' (M)

N 00°33'48" W  
1317.34' (M)

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

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

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

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

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

NO. 2

NO. 1

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

## 30

S 89°17'53" W  
2778.37' (M)

S 89°18'05" W  
1330.47' (M)

S 89°18'50" W  
1329.73' (M)

W. 1/4 COR.  
SEC. 30, T2N, R66W  
FOUND 3 1/4<sup>th</sup>  
ALUM. CAP  
L.S. NO. 38106

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

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

N 00°24'52" W  
1333.47' (M)

N 00°05'16" W  
1325.31' (M)

N 00°33'53" W  
1317.75' (M)

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

**SURFACE LOCATION: NAD 83**  
GROUND ELEVATION= 4875.8'  
LATITUDE= 40.117679°  
LONGITUDE= -104.814183°  
LATITUDE= 40°07'03.643"  
LONGITUDE= -104°48'51.060"  
**HEEL LOCATION: NAD 83**  
LATITUDE= 40.117939°  
LONGITUDE= -104.815525°  
LATITUDE= 40°07'04.581"  
LONGITUDE= -104°48'55.891"  
**BOTTOM HOLE LOCATION: NAD 83**  
LATITUDE= 40.087910°  
LONGITUDE= -104.815388°  
LATITUDE= 40°05'16.476"  
LONGITUDE= -104°48'55.397"

N 00°04'07" W  
2636.12' (M)

S 00°38'36" E 10939' GRID  
S 00°12'01" E TRUE  
S 08°19'36" E MAGNETIC

N 00°34'19" W 2635.27' (M)

N 00°40'35" W  
1318.42' (M)

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

S 89°17'34" W 2683.35' (M)

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

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

WELLBORE CONTINUES  
INTO SECTION 31

MATCH LINE  
SEE SHEET 3

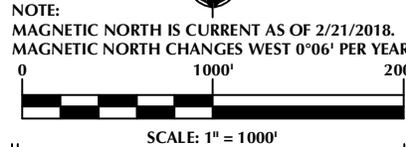
S 89°16'35" W 2749.76' (M)

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3/15/18  
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COLORADO REGISTRATION NUMBER 38512

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### NOTES:

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OPERATOR: PRESTON KNUTSEN / PDOP = 1.5.
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- THE BOTTOM OF HOLE BEARS S00°38'36"E, 10939' FROM THE HEEL LOCATION.
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### WELL PAD - CASTLE PINES 16-19HZ

CASTLE PINES 19-10HZ  
WELL LOCATION CERTIFICATE  
484' FSL & 1003' FEL SESE (SURFACE)  
578' FSL & 1378' FEL SWSE (HEEL)  
LOCATED IN SECTION 19  
203' FSL & 1359' FEL SWSE (BOTTOM)  
LOCATED IN SECTION 31  
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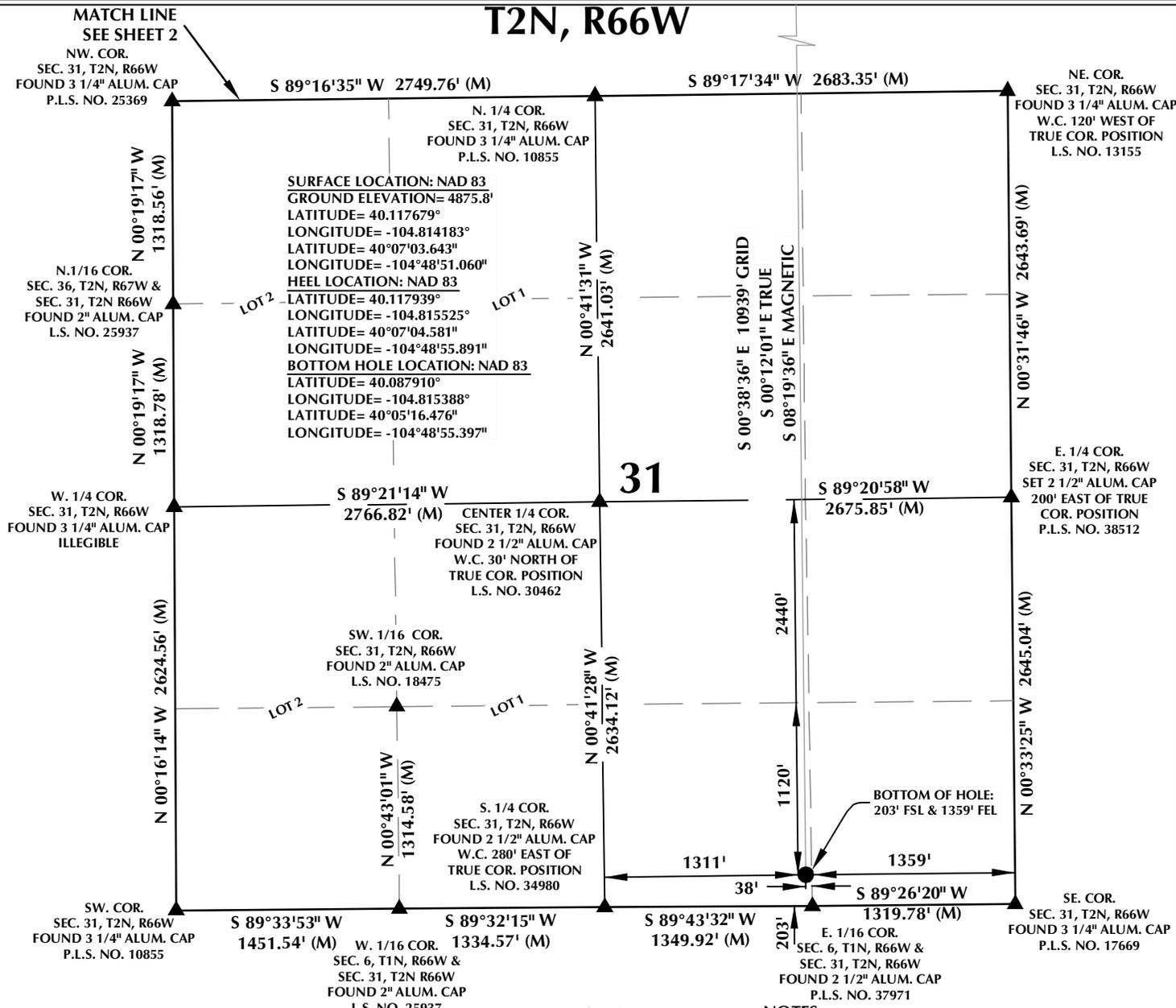
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# T2N, R66W

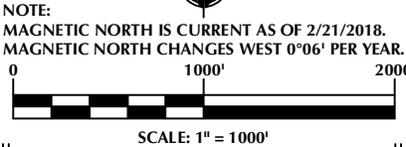


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## WELL PAD - CASTLE PINES 16-19HZ

CASTLE PINES 19-10HZ  
 WELL LOCATION CERTIFICATE  
 484' FSL & 1003' FEL SESE (SURFACE)  
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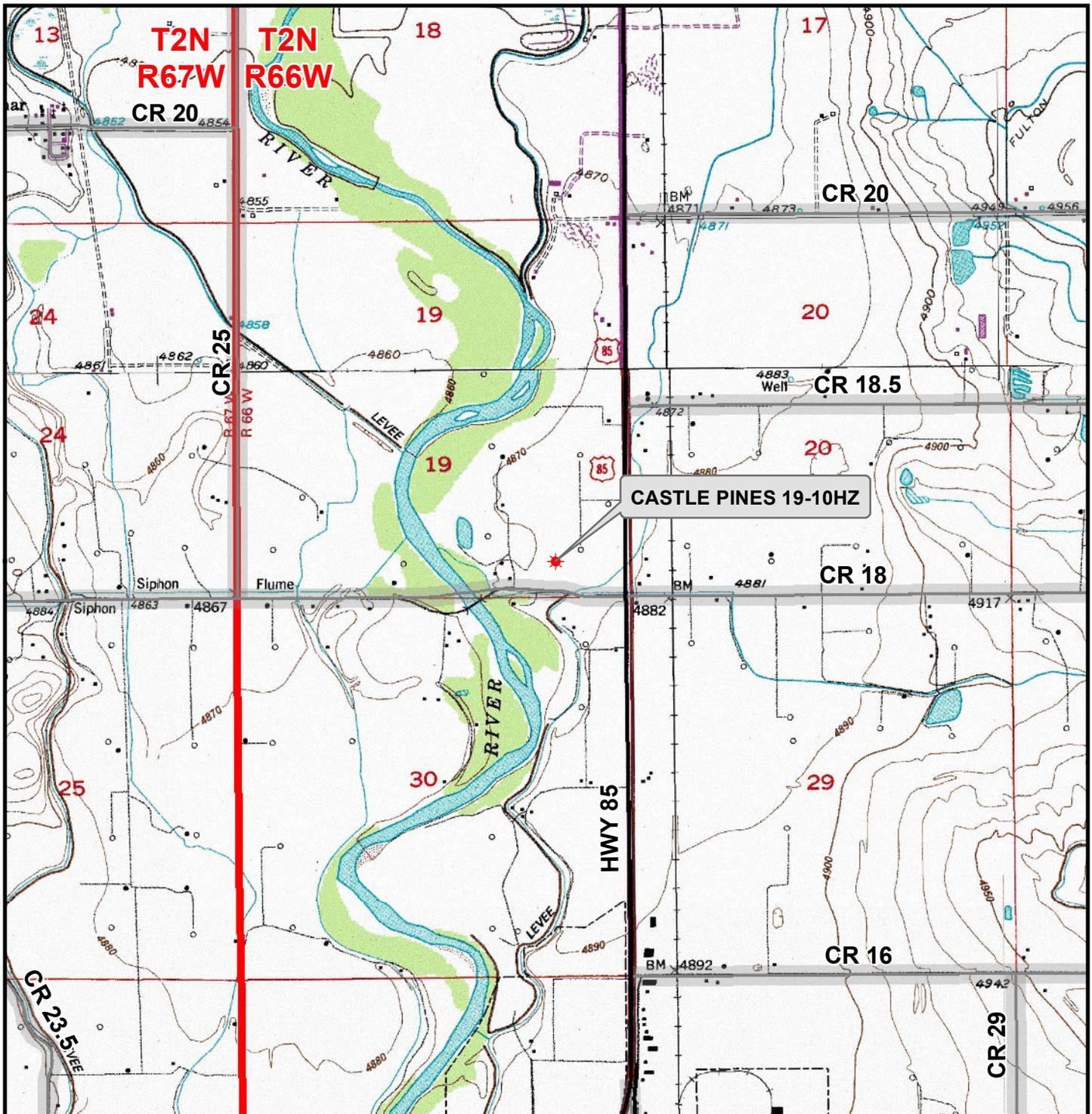
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DATE DRAFTED: 3/15/18	DATE SURVEYED: 1/5/18	
REVISED:	FILE NAME: 16-175	

K:\ANADARKO\2016\2016\_175\_CASTLE\_PINES\_T2N\_R66W\_SEC\_19\GIS\Maps\_ABC\Castle Pines 16-19HZ\Castle Pines 19-10HZ.mxd 3/15/2018 8:43:23 AM



CASTLE PINES 19-10HZ

**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 19-10HZ  
LOCATED IN SECTION 19  
T2N, R66W, 6th P.M.  
WELD COUNTY, COLORADO**

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

SCALE: 1" = 2,000ft

NAD83 CO-Nft

DRAWN: DP

DATE: 16 Mar 2018

REVISED:

DATE: