

# **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. 38-5-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Randall K. French*

38512

3/12/19

RANDALL K. FRENCH  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 38512

**NOTICE:**  
ACCORDING TO COLORADO STATE LAW YOU MUST TAKE 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.

## **WELL PAD - WINDSOCK 15-21HZ**

WINDSOCK 21-1HZ  
WELL LOCATION CERTIFICATE  
370' FSL & 2374' FEL SWSE (SURFACE)  
116' FSL & 280' FWL SWSW (HEEL)  
LOCATED IN SECTION 21  
50' FNL & 337' FWL NWNW (BOTTOM)  
LOCATED IN SECTION 16  
T1N, R68W, 6TH P.M.  
WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
Gas Onshore L.P.**

1099 18th Street  
Denver, Colorado 80202



## **CONSULTING, LLC**

**SHERIDAN OFFICE**  
1095 Saberton Avenue  
Sheridan, Wyoming 82801  
Phone 307-674-0609

**LOVELAND OFFICE**  
6706 North Franklin Avenue  
Loveland, Colorado 80538  
Phone 970-776-4331

DRAFTED BY:	LMO	CHECKED BY:	RKF	SHEET NO:
DATE DRAFTED:	3/12/19	DATE SURVEYED:	11/14/18	1
REVISED:		FILE NAME:	15-64	1 OF 2

T1N, R68W

NW. COR.  
SEC. 16, T1N, R68W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 23501

E. 1/16 COR.  
SEC. 9 & SEC. 16, T1N, R68W  
FOUND 2 1/2" ALUM. CAP  
P.L.S. NO. 38512

NE. COR.  
SEC. 16, T1N, R68W  
FOUND 2 1/2" ALUM. CAP  
ILLEGIBLE

S 89°22'29" W 1327.26' (M)  
S 89°23'41" W 1325.25' (M)

N. 1/4 COR.  
SEC. 16, T1N, R68W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 22097

BOTTOM OF HOLE:  
50' FNL & 337' FWL

N 00°10'43" E 10405' GRID  
N 00°29'48" E TRUE  
N 07°42'17" W MAGNETIC

N 00°18'49" W  
2636.19' (M)

CENTER 1/4 COR.  
SEC. 16, T1N, R68W  
FOUND 3 1/4" ALUM. CAP  
P.L.S. NO. 6973

S 89°31'07" W  
2659.90' (M)

E. 1/4 COR.  
SEC. 16, T1N, R68W  
FOUND 2" ALUM. CAP  
L.S. NO. 14083

W. 1/4 COR.  
SEC. 16, T1N, R68W  
FOUND 2" ALUM. CAP  
L.S. NO. 14083

S 89°30'45" W  
2658.56' (M)

16

SURFACE LOCATION: NAD 83  
GROUND ELEVATION= 5221.9'  
LATITUDE= 40.030382°  
LONGITUDE= -105.007610°  
LATITUDE= 40°01'49.375"  
LONGITUDE= -105°00'27.397"  
HEEL LOCATION: NAD 83  
LATITUDE= 40.029651°  
LONGITUDE= -105.017292°  
LATITUDE= 40°01'46.745"  
LONGITUDE= -105°01'02.252"  
BOTTOM HOLE LOCATION: NAD 83  
LATITUDE= 40.058214°  
LONGITUDE= -105.016974°  
LATITUDE= 40°03'29.570"  
LONGITUDE= -105°01'01.106"

N 00°19'18" W  
2636.89' (M)

N 00°22'42" W 2642.44' (M)

SW. COR.  
SEC. 16, T1N, R68W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 23501

S 89°38'40" W 2663.00' (M)

S. 1/4 COR.  
SEC. 16, T1N, R68W  
FOUND 2" ALUM. CAP  
L.S. NO. 28258

S 89°38'17" W 2662.51' (M)

SE. COR.  
SEC. 16, T1N, R68W  
FOUND 2" ALUM. CAP  
ILLEGIBLE

MATCH LINE  
SEE SHEET 1

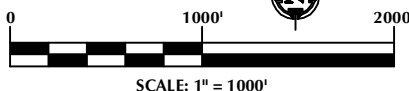
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NOTE:  
MAGNETIC NORTH IS  
CURRENT AS OF 11/14/2018.  
MAGNETIC NORTH CHANGES  
WEST 0°06' PER YEAR.



#### NOTES:

1. ▲ INDICATES SECTION CORNER.
2. ● INDICATES CALCULATED CORNER.
3. ELEVATION BASED ON NAVD88 (GEOID12B).
4. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM OF 1983 NORTH ZONE.
5. ALL MEASURED DISTANCES ARE GRID.  
COMBINED SCALE FACTOR: .99971980 CALCULATED FROM THE NW. CORNER OF SECTION 21, T1N, R68W.
6. OPERATOR: JEREMY GROVES / PDOP = 1.4.
7. SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
8. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
9. THE BOTTOM OF HOLE BEARS N00°10'43"E, 10405' FROM THE HEEL LOCATION.

#### WELL PAD - WINDSOCK 15-21HZ

WINDSOCK 21-1HZ  
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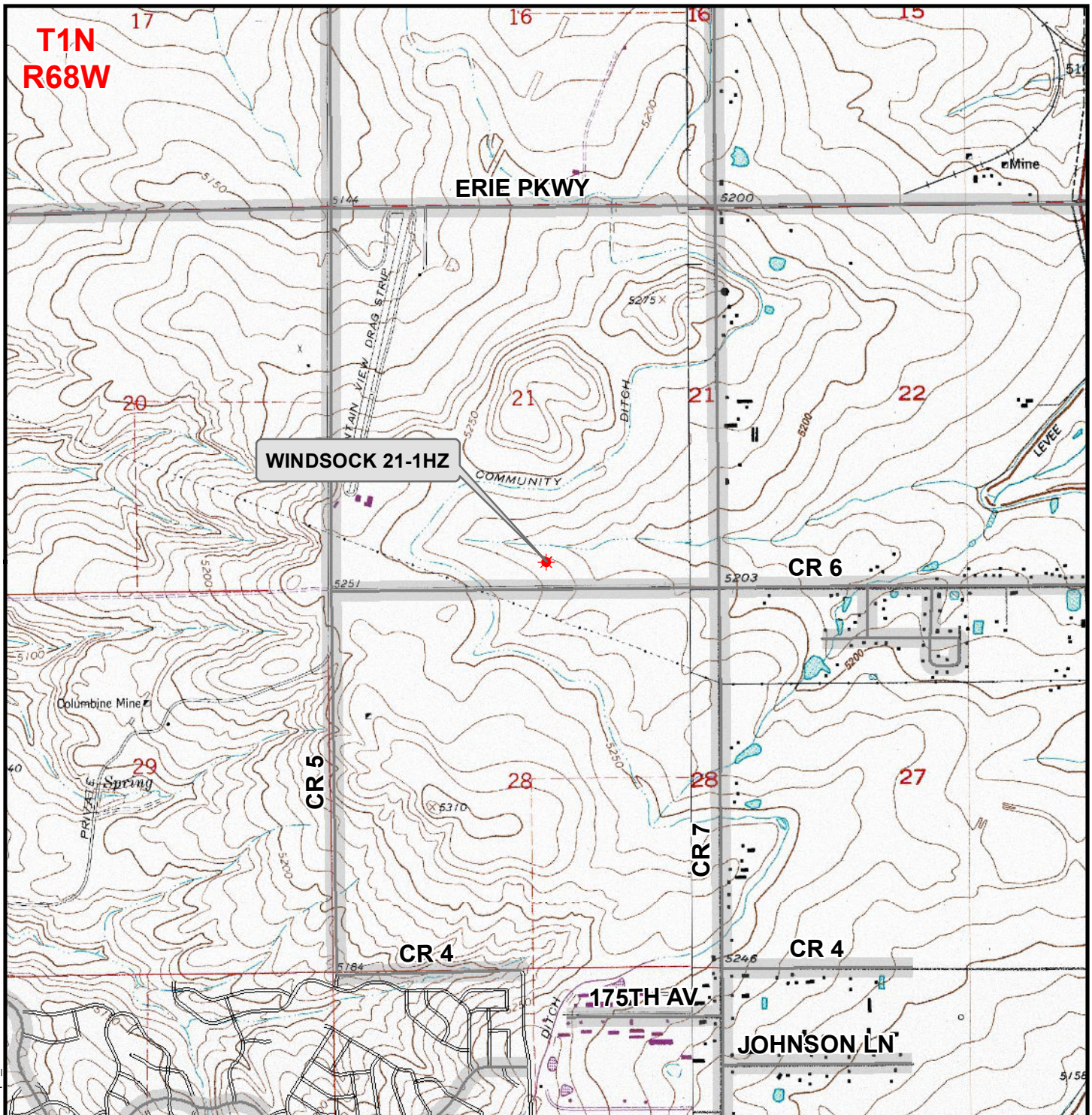
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### Legend

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

WELL PAD - WINDSOCK 15-21HZ

GENERAL LOCATION MAP

WINDSOCK 21-1HZ

LOCATED IN SECTION 21

T1N, R68W, 6th P.M.

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SCALE: 1" = 2,000ft

NAD83 CO-Nft

DRAWN: DP

DATE: 12 Mar 2019

REVISED:

DATE: