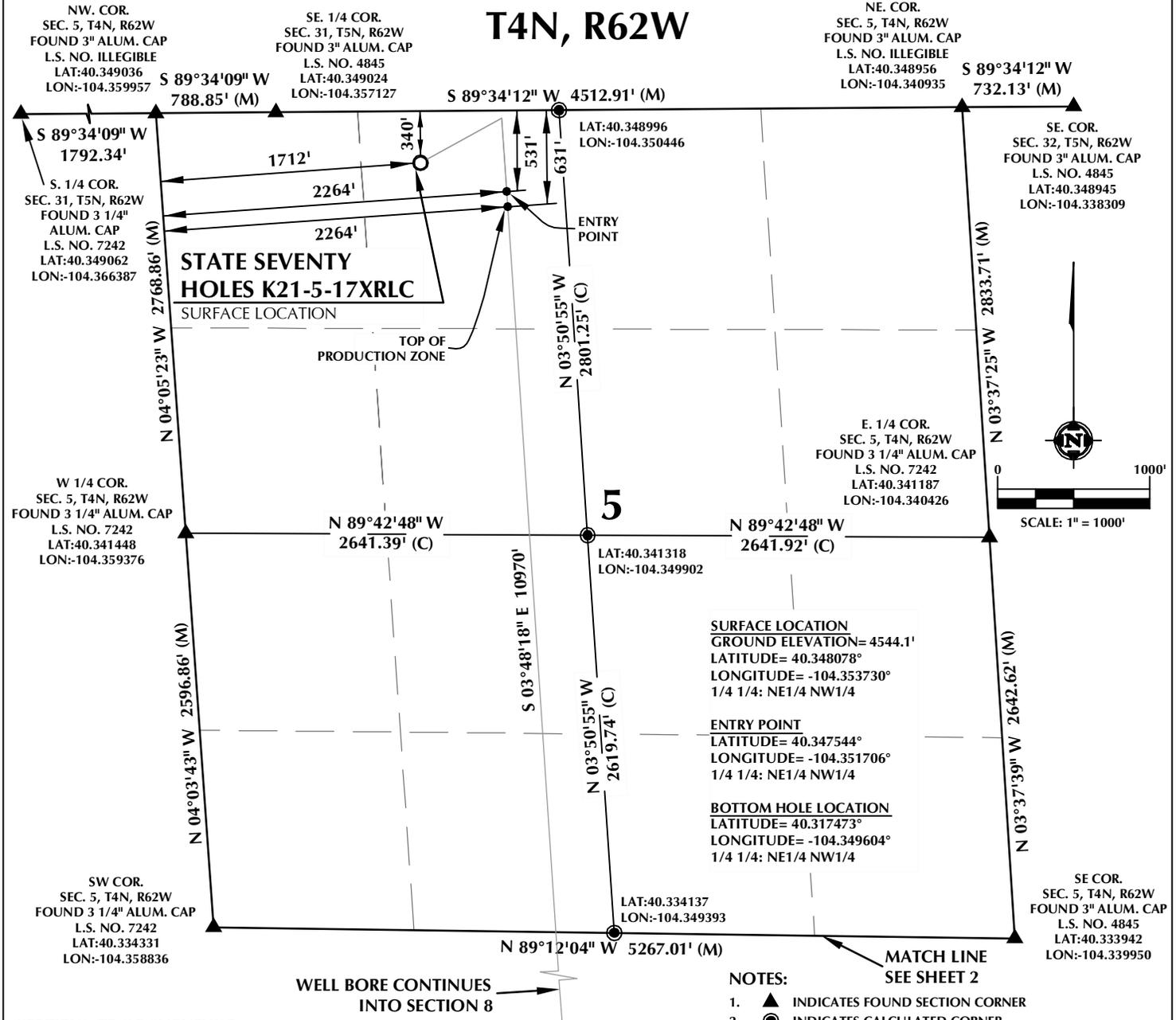


# T4N, R62W



### 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. 38-513-02 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

*Jacob I. Dunham*  
 JACOB I. DUNHAM  
 PROFESSIONAL LAND SURVEYOR  
 COLORADO REGISTRATION NUMBER 18459

NOTICE: 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.

### NEAREST CULTURAL ITEMS:

- BUILDING: 5280+
- BUILDING UNIT: 5280+
- HIGH OCCUPANCY BUILDING UNIT: 5280+
- DESIGNATED OUTSIDE ACTIVITY AREA: 5280+
- PUBLIC ROAD: 5280+
- ABOVE GROUND UTILITY: 5280+
- RAILROAD: 5280+
- PROPERTY LINE: ±340' N

### NOTES:

1. ▲ INDICATES FOUND SECTION CORNER
2. ● INDICATES CALCULATED CORNER
3. DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (2011)(EPOCH:2010)
4. ELEVATION BASED ON NAVD88 (GEOID12B)
5. BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
6. ALL MEASURED DISTANCES ARE GRID. COMBINED SCALE FACTOR: .99974487
7. OPERATOR: ROB WILSON / PDOP = 1.6
8. SEE ADDENDUM TO WELL LOCATION CERTIFICATE FOR EXISTING IMPROVEMENTS WITHIN 500' OF THE WELL PAD.
9. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.
10. THE BOTTOM OF HOLE BEARS S03°48'18"E 10970' FROM THE ENTRY POINT.

WELL BORE CONTINUES INTO SECTION 8

MATCH LINE SEE SHEET 2

### WELL PAD - SEVENTY HOLES F-5

STATE SEVENTY HOLES K21-5-17XRLC  
 WELL LOCATION CERTIFICATE  
 340' FNL & 1712' FWL NENW (SURFACE)  
 531' FNL & 2264' FWL NENW (ENTRY POINT)  
 LOCATED IN SECTION 5  
 850' FNL & 2280' FWL NENW (BOTTOM)  
 LOCATED IN SECTION 17  
 T4N, R62W, 6TH P.M.  
 WELD COUNTY, COLORADO

**BONANZA CREEK**  
 410 17th Street, Suite 1400  
 Denver, Colorado 80202



### 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: JID	SHEET NO: 1
DATE DRAFTED: 8/3/15	DATE SURVEYED: 7/28/15	1
REVISED: 11/2/15	FILE NAME: 14-110	1 OF 3

# T4N, R62W

NW COR.  
SEC. 8, T4N, R62W  
FOUND 3 1/4" ALUM. CAP  
L.S. NO. 7242  
LAT:40.334331  
LON:-104.358836

NE COR.  
SEC. 8, T4N, R62W  
FOUND 3" ALUM. CAP  
L.S. NO. 4845  
LAT:40.33942  
LON:-104.339950

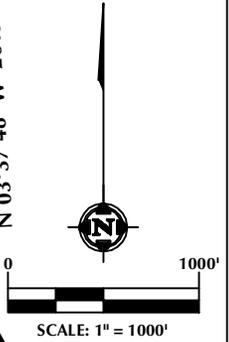
N 89°12'04" W 5267.01' (M)  
LAT:40.334137  
LON:-104.349393

MATCH LINE  
SEE SHEET 1

N 03°39'51" W  
2620.47' (C)

N 03°37'48" W 2643.48' (M)

E. 1/4 COR.  
SEC. 8, T4N, R62W  
FOUND 3" ALUM. CAP  
L.S. NO. 4845  
LAT:40.326695  
LON:-104.339473



LAT:40.327211  
LON:-104.358363

N 88°41'58" W  
2636.13' (C)

N 88°41'58" W  
2633.82' (C)

S 03°48'18" E 10970'

8  
LAT:40.326953  
LON:-104.348914

**SURFACE LOCATION**  
GROUND ELEVATION= 4544.1'  
LATITUDE= 40.348078°  
LONGITUDE= -104.353730°  
1/4 1/4: NE1/4 NW1/4

**ENTRY POINT**  
LATITUDE= 40.347544°  
LONGITUDE= -104.351706°  
1/4 1/4: NE1/4 NW1/4

**BOTTOM HOLE LOCATION**  
LATITUDE= 40.317473°  
LONGITUDE= -104.349604°  
1/4 1/4: NE1/4 NW1/4

N 03°43'47" W 2644.15' (M)

SW COR.  
SEC. 8, T4N, R62W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 7242  
LAT:40.320091  
LON:-104.357890

N 88°11'46" W 5277.94' (M)

SE COR.  
SEC. 8, T4N, R62W  
FOUND 3" ALUM. CAP  
L.S. NO. 4845  
LAT:40.319446  
LON:-104.338980

MATCH LINE  
SEE SHEET 3

WELL BORE CONTINUES  
INTO SECTION 17

### CERTIFICATE OF SURVEYOR:

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*Jacob I. Dunham*  
JACOB I. DUNHAM  
PROFESSIONAL LAND SURVEYOR  
COLORADO REGISTRATION NUMBER 18459  
4/2/15

### NEAREST CULTURAL ITEMS:

BUILDING: 5280+  
BUILDING UNIT: 5280+  
HIGH OCCUPANCY BUILDING UNIT: 5280+  
DESIGNATED OUTSIDE ACTIVITY AREA: 5280+  
PUBLIC ROAD: 5280+  
ABOVE GROUND UTILITY: 5280+  
RAILROAD: 5280+  
PROPERTY LINE: ±340' N

### NOTES:

- ▲ INDICATES FOUND SECTION CORNER
- INDICATES CALCULATED CORNER
- DRAWING LATITUDE AND LONGITUDE COORDINATES ARE NAD 83 (2011)(EPOCH:2010)
- ELEVATION BASED ON NAVD88 (GEOID12B)
- BASIS OF BEARING DERIVED FROM COLORADO COORDINATE SYSTEM 1983 NORTH ZONE UNLESS OTHERWISE NOTED.
- ALL MEASURED DISTANCES ARE GRID.
- COMBINED SCALE FACTOR: .99974487
- 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 S03°48'18"E 10970' FROM THE ENTRY POINT.

NOTICE:  
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.

### WELL PAD - SEVENTY HOLES F-5

STATE SEVENTY HOLES K21-5-17XRLC  
WELL LOCATION CERTIFICATE  
340' FNL & 1712' FWL NENW (SURFACE)  
531' FNL & 2264' FWL NENW (ENTRY POINT)  
LOCATED IN SECTION 5  
850' FNL & 2280' FWL NENW (BOTTOM)  
LOCATED IN SECTION 17  
T4N, R62W, 6TH P.M.  
WELD COUNTY, COLORADO

**BONANZA CREEK**  
410 17th Street, Suite 1400  
Denver, Colorado 80202



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DATE DRAFTED:	8/3/15	DATE SURVEYED:	7/28/15	2
REVISED:	11/2/15	FILE NAME:	14-110	2 OF 3

# T4N, R62W

NW COR.  
SEC. 17, T4N, R62W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 7242  
LAT:40.320091  
LON:-104.357890

NE COR.  
SEC. 17, T4N, R62W  
FOUND 3" ALUM. CAP  
L.S. NO. 4845  
LAT:40.319446  
LON:-104.338980

LAT:40.312579  
LON:-104.357587

LAT:40.312141  
LON:-104.338815

SW COR.  
SEC. 17, T4N, R62W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 17492  
LAT:40.305067  
LON:-104.357285

SE COR.  
SEC. 17, T4N, R62W  
FOUND 2 1/2" ALUM. CAP  
L.S. NO. 7242  
LAT:40.304835  
LON:-104.338650

N 02°30'07" W 5475.43' (M)

N 88°11'46" W 5277.94' (M)

LAT:40.319769  
LON:-104.348435

2280'

BOTTOM OF HOLE

850'

N 02°07'37" W

2699.69' (C)

N 88°59'52" W  
2618.75' (C)

17

LAT:40.312360  
LON:-104.348201

N 88°59'52" W  
2618.75' (C)

N 02°07'37" W  
2699.69' (C)

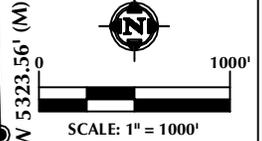
**SURFACE LOCATION**  
GROUND ELEVATION= 4544.1'  
LATITUDE= 40.348078°  
LONGITUDE= -104.353730°  
1/4 1/4: NE1/4 NW1/4

**ENTRY POINT**  
LATITUDE= 40.347544°  
LONGITUDE= -104.351706°  
1/4 1/4: NE1/4 NW1/4

**BOTTOM HOLE LOCATION**  
LATITUDE= 40.317473°  
LONGITUDE= -104.349604°  
1/4 1/4: NE1/4 NW1/4

LAT:40.304952  
LON:-104.347968

N 89°48'44" W 5198.09' (M)



## CERTIFICATE OF SURVEYOR:

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RAILROAD: 5280+  
PROPERTY LINE: ±340' N

## NOTES:

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