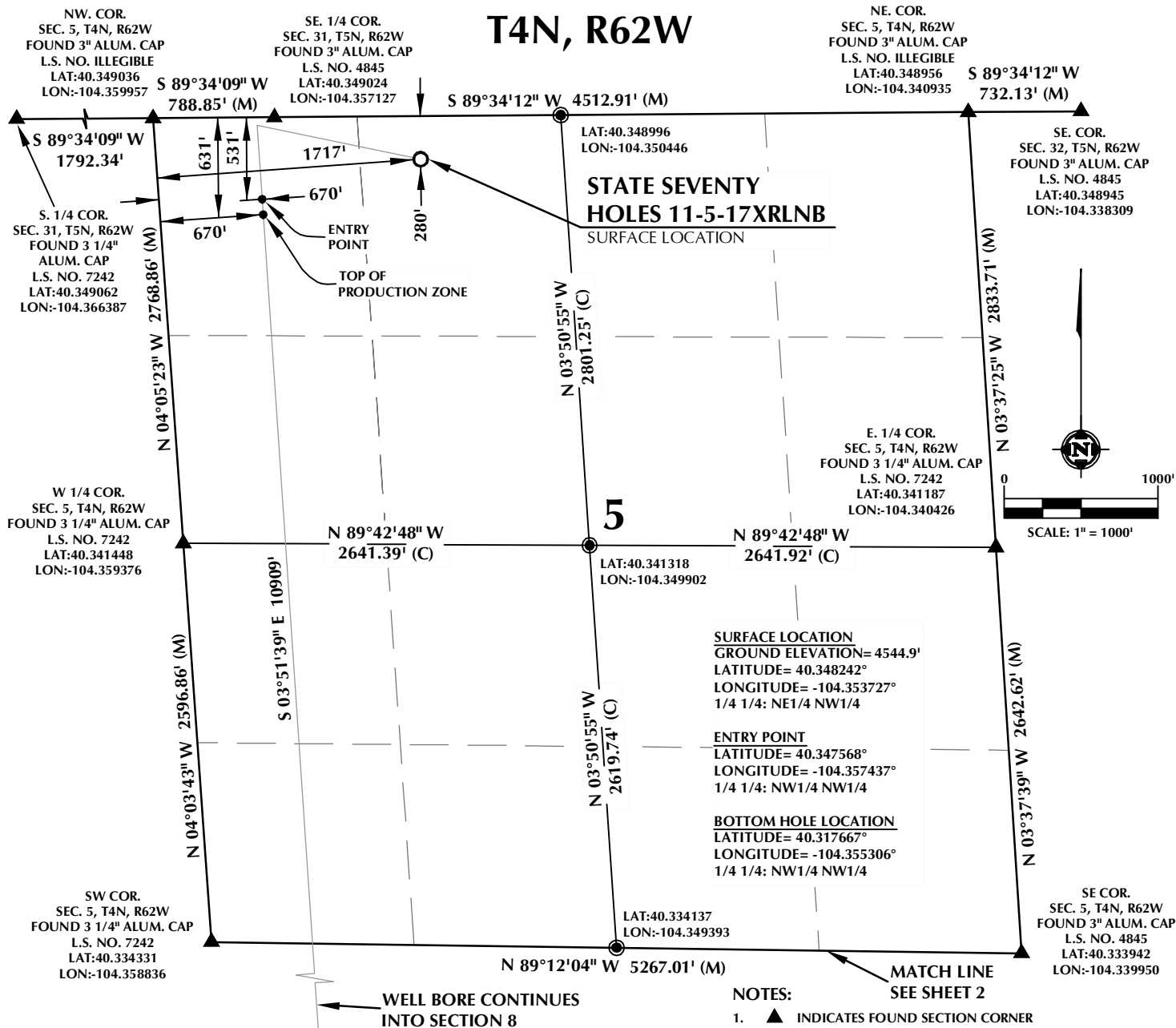


T4N, R62W

**CERTIFICATE OF SURVEYOR:**

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Jacob I. Dunham
JACOB I. DUNHAM
PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 18459
11/2/15

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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: ±280' N

WELL PAD - SEVENTY HOLES F-5

STATE SEVENTY HOLES 11-5-17XRLNB
WELL LOCATION CERTIFICATE
280' FNL & 1717' FWL NENW (SURFACE)
531' FNL & 670' FWL NWNW (ENTRY POINT)
LOCATED IN SECTION 5
850' FNL & 693' FWL NWNW (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**

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Sheridan, Wyoming 82801
Phone 307-674-0609

LOVELAND OFFICE
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Phone 970-776-4331

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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

N 89°12'04" W 5267.01' (M)

LAT:40.334137
LON:-104.349393

MATCH LINE
SEE SHEET 1

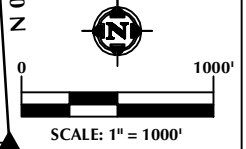
NE COR.
SEC. 8, T4N, R62W
FOUND 3" ALUM. CAP
L.S. NO. 4845
LAT:40.333942
LON:-104.339950

S 03°51'39" E 10909'

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



SCALE: 1" = 1000'

LAT:40.327211
LON:-104.358363

N 03°38'54" W 5194.53' (M)

N 88°41'58" W
2636.13' (C)

8

LAT:40.326953
LON:-104.348914

N 88°41'58" W
2633.82' (C)

SURFACE LOCATION
GROUND ELEVATION= 4544.9'
LATITUDE= 40.348242°
LONGITUDE= -104.357327°
1/4 1/4: NE1/4 NW1/4

ENTRY POINT
LATITUDE= 40.347568°
LONGITUDE= -104.357437°
1/4 1/4: NW1/4 NW1/4

BOTTOM HOLE LOCATION
LATITUDE= 40.317667°
LONGITUDE= -104.355306°
1/4 1/4: NW1/4 NW1/4

N 03°43'47" W 2644.15' (M)

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

N 88°11'46" W 5277.94' (M)

MATCH LINE
SEE SHEET 3

WELL BORE CONTINUES
INTO SECTION 17

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PROFESSIONAL LAND SURVEYOR
COLORADO REGISTRATION NUMBER 18459
11/2/15

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NEAREST CULTURAL ITEMS:

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BUILDING UNIT: 5280+
HIGH OCCUPANCY BUILDING UNIT: 5280+
DESIGNATED OUTSIDE ACTIVITY AREA: 5280+
PUBLIC ROAD: 5280+
ABOVE GROUND UTILITY: 5280+
RAILROAD: 5280+
PROPERTY LINE: ±280' 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 = 1.4
- 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°51'39"E 10909' FROM THE ENTRY POINT.

WELL PAD - SEVENTY HOLES F-5

STATE SEVENTY HOLES 11-5-17XRLNB
WELL LOCATION CERTIFICATE
280' FNL & 1717' FWL NENW (SURFACE)
531' FNL & 670' FWL NWNW (ENTRY POINT)
LOCATED IN SECTION 5
850' FNL & 693' FWL NWNW (BOTTOM)
LOCATED IN SECTION 17
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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

MATCH LINE
SEE SHEET 2

N 88°11'46" W 5277.94' (M)

LAT:40.319769
LON:-104.348435

850'
693'

BOTTOM
OF HOLE

N 02°07'37" W
2699.69' (C)

17

N 88°59'52" W
2618.75' (C)

LAT:40.312360
LON:-104.348201

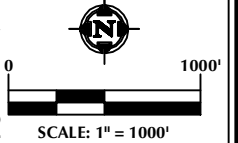
N 88°59'52" W
2618.75' (C)

LAT:40.312141
LON:-104.338815

LAT:40.312579
LON:-104.357587

N 02°30'07" W 5475.43' (M)

N 01°44'29" W 5323.56' (M)



SURFACE LOCATION
GROUND ELEVATION= 4544.9'
LATITUDE= 40.348242°
LONGITUDE= -104.353727°
1/4 1/4: NE1/4 NW1/4

ENTRY POINT
LATITUDE= 40.347568°
LONGITUDE= -104.357437°
1/4 1/4: NW1/4 NW1/4

BOTTOM HOLE LOCATION
LATITUDE= 40.317667°
LONGITUDE= -104.355306°
1/4 1/4: NW1/4 NW1/4

LAT:40.304952
LON:-104.347968

N 89°48'44" W 5198.09' (M)

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

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RAILROAD: 5280+
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