

NOTE: UNDER COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED ON ANY DEFECT IN THIS CERTIFICATE WITHIN THREE YEARS AFTER DEFECT IS DISCOVERED, IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS AFTER DATE OF THIS CERTIFICATE SHOWN HEREON. (13-80105 C.R.S)

- NOTES:
- ALL BEARINGS ARE GRID BASED UPON THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83(2011) DERIVED FROM POST-PROCESSED STATIC GPS OBSERVATIONS.
 - DISTANCES ARE ON GRID
 - VERTICAL DATUM IS NAVD88 BASED UPON GPS OBSERVATIONS
 - PDOP VALUE EQUALS 1.6.
 - GPS OPERATOR: MARC MAYER.
 - GROUND ELEVATION AT WELLHEAD = 4564'
 - ALL SECTION LENGTHS ARE MEASURED DISTANCES UNLESS NOTED BY (R), RECORD BEARING AND DISTANCE.
 - NEAREST CULTURAL DISTANCES
BUILDINGS: 2540' +/-
BUILDING UNIT: 2540' +/-
HIGH OCCUPANCY BUILDING UNIT: 5280'+
DESIGNATED OUTSIDE ACTIVITY AREA: 5280'+
PUBLIC ROAD: 613'+
ABOVE GROUND UTILITY: 550' +/-
RAILROAD: 5280'+
PROPERTY LINE: 670' +/-

CERTIFICATE OF SURVEYOR:
I, DAVID A. FEHRINGER OF LANDER, WYOMING HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED FROM NOTES TAKEN DURING AN ACTUAL SURVEY ON APRIL 18, 2017; AND THAT IT CORRECTLY SHOWS THE DRILLING LOCATION OF BONANZA CREEK ENERGY, INC. STATE ANTELOPE 14-11-18HNB AS STAKED DURING SAID SURVEY. THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY OR AN IMPROVEMENT LOCATION PLAT AND SHOULD NOT BE USED FOR THE ESTABLISHMENT OF BOUNDARY LINES.



1	NAD 83		STATE PLANE COORDINATES	
	LATITUDE	LONGITUDE	NORTHING	EASTING
14-11-18HNB	40.3070253	-104.3713391	1356693.56	3314766.34
SURFACE	40.3066650	-104.3739678	1356552.96	3314034.97
TARGET 1	40.3184603	-104.3742053	1360848.69	3313914.17
BOTTOM HOLE				

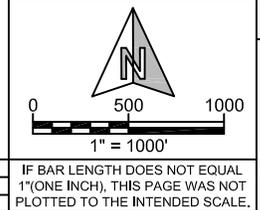
PAD FENCE CORNERS	NAD 83	
	LATITUDE	LONGITUDE
SSH J-18 PAD	40.3074159	-104.3721986
NW	40.3073930	-104.3705750
NE	40.3061488	-104.3706342
SE	40.3062855	-104.3721287
SW		



WILLIAM H. SMITH & ASSOCIATES, Inc.
155 N. 1st Street
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Phone: 307-335-5646

Drawn By: MAM
Job No.: 15043

Checked By: CD
Date: 04/12/17



LOCATION CERTIFICATE
STATE SEVENTY HOLES
14-11-18HNB
SE $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 18,
T.4N., R.62W., 6th PM
WELD COUNTY, COLORADO

BONANZA CREEK

410 17th Street
Denver, CO 80202
(720) 440-6100

SHEET
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OF
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