BONANZA CREEK ENERGY INC.

WELD COUNTY, COLORADO (NAD 83)
SE SE SEC. 7 T5N R61W 6th P.M.
PRONGHORN U-Y-18HNB

ORIGINAL WELLBORE

15 October, 2016

Plan: PROPOSAL #1

Project: WELD COUNTY, COLORADO (NAD 83)
Site: SE SE SEC. 7 T5N R61W 6th P.M.
Well: PRONGHORN U-Y-18HNB
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	SHL: 228ft FSL & 1060ft FEL of Sec 7
300.0	300.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
960.4	966.4	13.33	102.88	-17.2	75.2	32.1	77.2	EOB TO 13.33° INC
1500.0	1520.9	13.33	102.88	-45.7	199.8	85.2	205.0	SURFACE CASING
4857.0	4970.9	13.33	102.88	-222.9	975.1	415.9	1000.2	END OF TANGENT
5517.4	5637.2	0.00	0.00	-240.1	1050.3	448.0	1077.4	EOD TO VERTICAL
5547.4	5667.2	0.00	0.00	-240.1	1050.3	448.0	1077.4	KOP (12°/100ft BUR)
6008.6	6292.2	75.00	179.91	-594.0	1050.9	794.6	1431.3	START OF TANGENT
6034.5	6392.2	75.00	179.91	-690.6	1051.0	889.2	1527.9	END OF TANGENT
6050.7	6517.2	90.00	179.91	-814.2	1051.2	1010.3	1651.5	HZ LP *NEW*: 589.1ft FNL & 9.9ft FEL of Sec 8
6050.7	10816.0	90.00	179.91	-5112.9	1058.1	5221.2	5950.2	BHL: 470ft FSL & 10ft FEL of Sec 18

PROPOSED LOCAL COORDINATES:

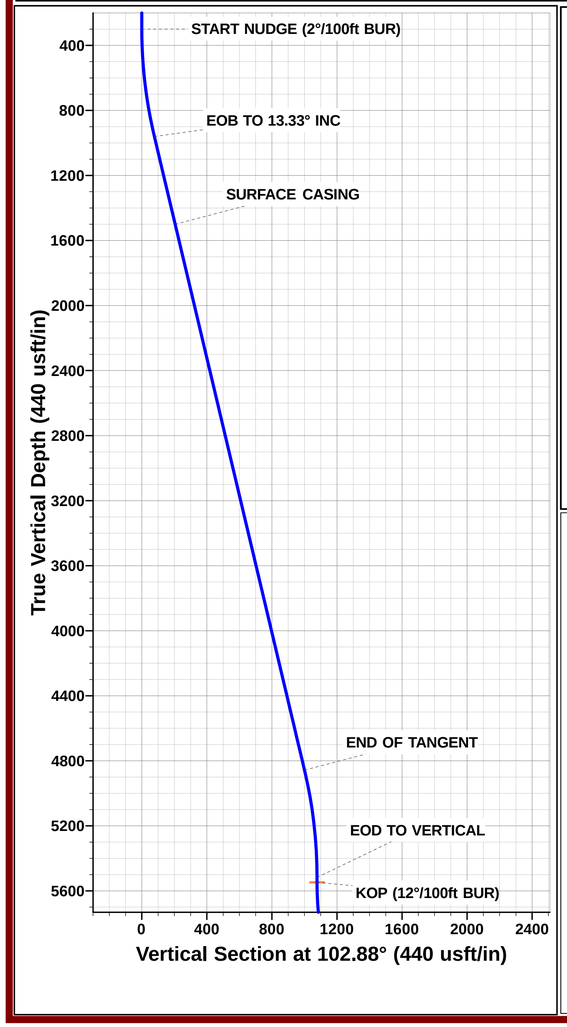
SHL: 228ft FSL & 1060ft FEL Sec 7

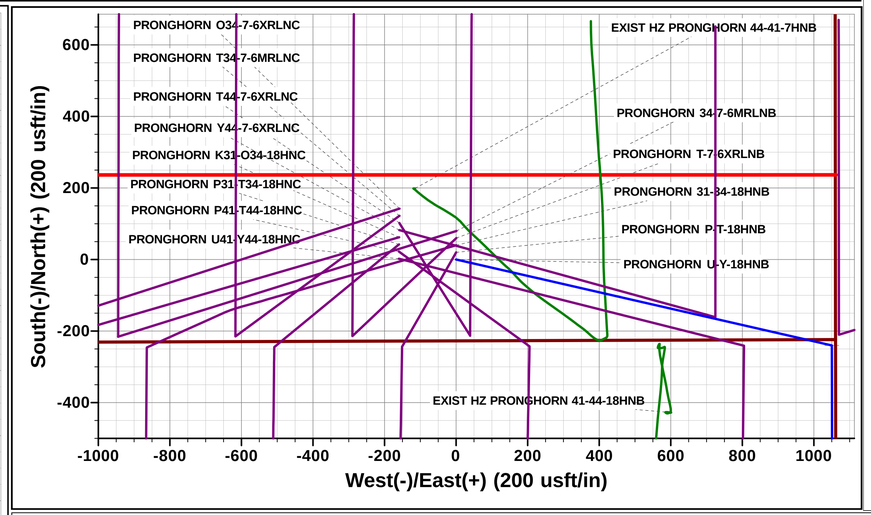
HZ LP *NEW*: 589.1ft FNL & 9.9ft FEL Sec 18

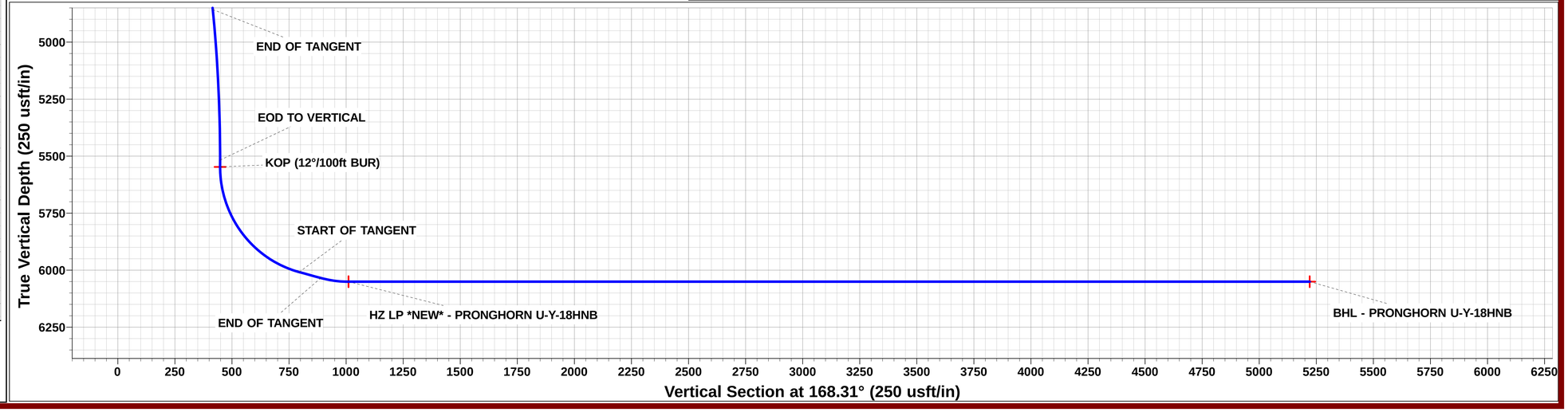
BHL: 470ft FSL & 10ft FEL Sec 18

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - PRONGHORN U-Y-18HNB	5547.4	-240.1	1050.3	40.408495	-104.242917
BHL - PRONGHORN U-Y-18HNB	6050.7	-5112.9	1058.1	40.395120	-104.242890
HZ LP *NEW* - PRONGHORN U-Y-18HNB	6050.7	-814.2	1051.2	40.406919	-104.242914







Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well PRONGHORN U-Y-18HNB
Company:	BONANZA CREEK ENERGY INC.	**TVD Reference:**	KB-EST @ 4580.7usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4580.7usft (Original Well Elev)
Site:	SE SE SEC. 7 T5N R61W 6th P.M.	**North Reference:**	True
Well:	PRONGHORN U-Y-18HNB	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Project WELD COUNTY, COLORADO (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site SE SE SEC. 7 T5N R61W 6th P.M.

Site Position:		**Northing:**	1,394,361.64 usft	**Latitude:**	40.409160
From:	Lat/Long	**Easting:**	3,348,841.56 usft	**Longitude:**	-104.247263
Position Uncertainty:	0.0 usft	**Slot Radius:**	1.10000 ft	**Grid Convergence:**	0.81 °

Well PRONGHORN U-Y-18HNB

Well Position	**+N/-S**	-2.3 usft	**Northing:**	1,394,361.63 usft	**Latitude:**	40.409154
	+E/-W	160.0 usft	**Easting:**	3,349,001.53 usft	**Longitude:**	-104.246688
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	4,563.7 usft

Wellbore ORIGINAL WELLBORE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	15/10/2016	8.00	66.96	52,529

Design PROPOSAL #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	6,050.7	0.0	0.0	168.31

Plan Sections

MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usf	Build Rate (°/100usf	Turn Rate (°/100usf	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,580.7	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	-4,280.7	0.0	0.0	0.00	0.00	0.00	0.00	
966.4	13.33	102.88	960.4	-3,620.3	-17.2	75.2	2.00	2.00	0.00	102.88	
4,970.9	13.33	102.88	4,857.0	276.3	-222.9	975.1	0.00	0.00	0.00	0.00	
5,637.2	0.00	0.00	5,517.4	936.7	-240.1	1,050.3	2.00	-2.00	0.00	180.00	
5,667.2	0.00	0.00	5,547.4	966.7	-240.1	1,050.3	0.00	0.00	0.00	0.00	KOP - PRONGHOF
6,292.2	75.00	179.91	6,008.6	1,427.9	-594.0	1,050.9	12.00	12.00	0.00	179.91	
6,392.2	75.00	179.91	6,034.5	1,453.8	-690.6	1,051.0	0.00	0.00	0.00	0.00	
6,517.2	90.00	179.91	6,050.7	1,470.0	-814.2	1,051.2	12.00	12.00	0.00	0.00	
10,816.0	90.00	179.91	6,050.7	1,470.0	-5,112.9	1,058.1	0.00	0.00	0.00	-74.52	BHL - PRONGHOR

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Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4580.7usft (Original Well Elev)
Site:	SE SE SEC. 7 T5N R61W 6th P.M.	**North Reference:**	True
Well:	PRONGHORN U-Y-18HNB	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
SHL: 228ft FSL & 1060ft FEL of Sec 7										
0.0	***0.00***	***0.00***	***0.0***	***4,580.70***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
100.0	0.00	0.00	100.0	4,480.70	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,380.70	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
300.0	***0.00***	***0.00***	***300.0***	***4,280.70***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
400.0	2.00	102.88	400.0	4,180.72	-0.4	1.7	0.7	2.00	2.00	0.00
500.0	4.00	102.88	499.8	4,080.86	-1.6	6.8	2.9	2.00	2.00	0.00
600.0	6.00	102.88	599.5	3,981.25	-3.5	15.3	6.5	2.00	2.00	0.00
700.0	8.00	102.88	698.7	3,882.00	-6.2	27.2	11.6	2.00	2.00	0.00
800.0	10.00	102.88	797.5	3,783.23	-9.7	42.4	18.1	2.00	2.00	0.00
900.0	12.00	102.88	895.6	3,685.08	-14.0	61.0	26.0	2.00	2.00	0.00
EOB TO 13.33° INC										
966.4	***13.33***	***102.88***	***960.4***	***3,620.33***	***-17.2***	***75.2***	***32.1***	***2.00***	***2.00***	***0.00***
1,000.0	13.33	102.88	993.1	3,587.60	-18.9	82.8	35.3	0.00	0.00	0.00
1,100.0	13.33	102.88	1,090.4	3,490.29	-24.1	105.2	44.9	0.00	0.00	0.00
1,200.0	13.33	102.88	1,187.7	3,392.98	-29.2	127.7	54.5	0.00	0.00	0.00
1,300.0	13.33	102.88	1,285.0	3,295.68	-34.3	150.2	64.1	0.00	0.00	0.00
1,400.0	13.33	102.88	1,382.3	3,198.37	-39.5	172.7	73.6	0.00	0.00	0.00
1,500.0	13.33	102.88	1,479.6	3,101.06	-44.6	195.1	83.2	0.00	0.00	0.00
SURFACE CASING										
1,520.9	***13.33***	***102.88***	***1,500.0***	***3,080.70***	***-45.7***	***199.8***	***85.2***	***0.00***	***0.00***	***0.00***
1,600.0	13.33	102.88	1,576.9	3,003.76	-49.7	217.6	92.8	0.00	0.00	0.00
1,700.0	13.33	102.88	1,674.2	2,906.45	-54.9	240.1	102.4	0.00	0.00	0.00
1,800.0	13.33	102.88	1,771.6	2,809.14	-60.0	262.5	112.0	0.00	0.00	0.00
1,900.0	13.33	102.88	1,868.9	2,711.84	-65.2	285.0	121.6	0.00	0.00	0.00
2,000.0	13.33	102.88	1,966.2	2,614.53	-70.3	307.5	131.1	0.00	0.00	0.00
2,100.0	13.33	102.88	2,063.5	2,517.22	-75.4	330.0	140.7	0.00	0.00	0.00
2,200.0	13.33	102.88	2,160.8	2,419.92	-80.6	352.4	150.3	0.00	0.00	0.00
2,300.0	13.33	102.88	2,258.1	2,322.61	-85.7	374.9	159.9	0.00	0.00	0.00
2,400.0	13.33	102.88	2,355.4	2,225.30	-90.8	397.4	169.5	0.00	0.00	0.00
2,500.0	13.33	102.88	2,452.7	2,127.99	-96.0	419.8	179.1	0.00	0.00	0.00
2,600.0	13.33	102.88	2,550.0	2,030.69	-101.1	442.3	188.7	0.00	0.00	0.00
2,700.0	13.33	102.88	2,647.3	1,933.38	-106.3	464.8	198.2	0.00	0.00	0.00
2,800.0	13.33	102.88	2,744.6	1,836.07	-111.4	487.3	207.8	0.00	0.00	0.00
2,900.0	13.33	102.88	2,841.9	1,738.77	-116.5	509.7	217.4	0.00	0.00	0.00
3,000.0	13.33	102.88	2,939.2	1,641.46	-121.7	532.2	227.0	0.00	0.00	0.00
3,100.0	13.33	102.88	3,036.5	1,544.15	-126.8	554.7	236.6	0.00	0.00	0.00
3,200.0	13.33	102.88	3,133.9	1,446.85	-131.9	577.1	246.2	0.00	0.00	0.00
3,300.0	13.33	102.88	3,231.2	1,349.54	-137.1	599.6	255.7	0.00	0.00	0.00
3,400.0	13.33	102.88	3,328.5	1,252.23	-142.2	622.1	265.3	0.00	0.00	0.00
3,500.0	13.33	102.88	3,425.8	1,154.93	-147.3	644.6	274.9	0.00	0.00	0.00
3,600.0	13.33	102.88	3,523.1	1,057.62	-152.5	667.0	284.5	0.00	0.00	0.00
3,700.0	13.33	102.88	3,620.4	960.31	-157.6	689.5	294.1	0.00	0.00	0.00
3,800.0	13.33	102.88	3,717.7	863.01	-162.8	712.0	303.7	0.00	0.00	0.00
3,900.0	13.33	102.88	3,815.0	765.70	-167.9	734.4	313.3	0.00	0.00	0.00
4,000.0	13.33	102.88	3,912.3	668.39	-173.0	756.9	322.8	0.00	0.00	0.00
4,100.0	13.33	102.88	4,009.6	571.08	-178.2	779.4	332.4	0.00	0.00	0.00
4,200.0	13.33	102.88	4,106.9	473.78	-183.3	801.9	342.0	0.00	0.00	0.00
4,300.0	13.33	102.88	4,204.2	376.47	-188.4	824.3	351.6	0.00	0.00	0.00
4,400.0	13.33	102.88	4,301.5	279.16	-193.6	846.8	361.2	0.00	0.00	0.00
4,500.0	13.33	102.88	4,398.8	181.86	-198.7	869.3	370.8	0.00	0.00	0.00
4,600.0	13.33	102.88	4,496.2	84.55	-203.9	891.7	380.3	0.00	0.00	0.00
4,700.0	13.33	102.88	4,593.5	-12.76	-209.0	914.2	389.9	0.00	0.00	0.00

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Site:	SE SE SEC. 7 T5N R61W 6th P.M.	**North Reference:**	True
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Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	13.33	102.88	4,690.8	-110.06	-214.1	936.7	399.5	0.00	0.00	0.00
4,900.0	13.33	102.88	4,788.1	-207.37	-219.3	959.2	409.1	0.00	0.00	0.00
END OF TANGENT										
4,970.9	***13.33***	***102.88***	***4,857.0***	***-276.33***	***-222.9***	***975.1***	***415.9***	***0.00***	***0.00***	***0.00***
5,000.0	12.74	102.88	4,885.4	-304.71	-224.4	981.5	418.6	2.00	-2.00	0.00
5,100.0	10.74	102.88	4,983.3	-402.61	-228.9	1,001.3	427.1	2.00	-2.00	0.00
5,200.0	8.74	102.88	5,081.9	-501.17	-232.7	1,017.8	434.1	2.00	-2.00	0.00
5,300.0	6.74	102.88	5,180.9	-600.25	-235.7	1,031.0	439.7	2.00	-2.00	0.00
5,400.0	4.74	102.88	5,280.4	-699.74	-237.9	1,040.7	443.9	2.00	-2.00	0.00
5,500.0	2.74	102.88	5,380.2	-799.52	-239.4	1,047.1	446.6	2.00	-2.00	0.00
5,600.0	0.74	102.88	5,480.2	-899.47	-240.0	1,050.1	447.9	2.00	-2.00	0.00
EOD TO VERTICAL										
5,637.2	***0.00***	***0.00***	***5,517.4***	***-936.70***	***-240.1***	***1,050.3***	***448.0***	***2.00***	***-2.00***	***0.00***
KOP (12°/100ft BUR)										
5,667.2	***0.00***	***0.00***	***5,547.4***	***-966.70***	***-240.1***	***1,050.3***	***448.0***	***0.00***	***0.00***	***0.00***
5,700.0	3.93	179.91	5,580.1	-999.44	-241.2	1,050.3	449.1	12.00	12.00	0.00
5,800.0	15.93	179.91	5,678.5	-1,097.77	-258.4	1,050.3	465.9	12.00	12.00	0.00
5,900.0	27.93	179.91	5,771.1	-1,190.36	-295.7	1,050.4	502.5	12.00	12.00	0.00
6,000.0	39.93	179.91	5,853.9	-1,273.18	-351.4	1,050.5	557.0	12.00	12.00	0.00
6,100.0	51.93	179.91	5,923.3	-1,342.60	-423.2	1,050.6	627.3	12.00	12.00	0.00
6,200.0	63.93	179.91	5,976.3	-1,395.60	-507.8	1,050.7	710.2	12.00	12.00	0.00
START OF TANGENT										
6,292.2	***75.00***	***179.91***	***6,008.6***	***-1,427.90***	***-594.0***	***1,050.9***	***794.6***	***12.00***	***12.00***	***0.00***
6,300.0	75.00	179.91	6,010.6	-1,429.91	-601.5	1,050.9	802.0	0.00	0.00	0.00
END OF TANGENT										
6,392.2	***75.00***	***179.91***	***6,034.5***	***-1,453.78***	***-690.6***	***1,051.0***	***889.2***	***0.00***	***0.00***	***0.00***
6,400.0	75.93	179.91	6,036.4	-1,455.73	-698.1	1,051.0	896.6	12.00	12.00	0.00
6,500.0	87.93	179.91	6,050.4	-1,469.74	-796.9	1,051.2	993.4	12.00	12.00	0.00
HZ LP *NEW*: 589.1ft FNL & 9.9ft FEL of Sec 8										
6,517.2	***90.00***	***179.91***	***6,050.7***	***-1,470.05***	***-814.2***	***1,051.2***	***1,010.3***	***12.00***	***12.00***	***0.00***
6,600.0	90.00	179.91	6,050.7	-1,470.05	-896.9	1,051.3	1,091.4	0.00	0.00	0.00
6,700.0	90.00	179.91	6,050.7	-1,470.05	-996.9	1,051.5	1,189.3	0.00	0.00	0.00
6,800.0	90.00	179.91	6,050.7	-1,470.05	-1,096.9	1,051.6	1,287.3	0.00	0.00	0.00
6,900.0	90.00	179.91	6,050.7	-1,470.05	-1,196.9	1,051.8	1,385.2	0.00	0.00	0.00
7,000.0	90.00	179.91	6,050.7	-1,470.05	-1,296.9	1,052.0	1,483.2	0.00	0.00	0.00
7,100.0	90.00	179.91	6,050.7	-1,470.05	-1,396.9	1,052.1	1,581.2	0.00	0.00	0.00
7,200.0	90.00	179.91	6,050.7	-1,470.05	-1,496.9	1,052.3	1,679.1	0.00	0.00	0.00
7,300.0	90.00	179.91	6,050.7	-1,470.05	-1,596.9	1,052.4	1,777.1	0.00	0.00	0.00
7,400.0	90.00	179.91	6,050.7	-1,470.04	-1,696.9	1,052.6	1,875.0	0.00	0.00	0.00
7,500.0	90.00	179.91	6,050.7	-1,470.04	-1,796.9	1,052.8	1,973.0	0.00	0.00	0.00
7,600.0	90.00	179.91	6,050.7	-1,470.04	-1,896.9	1,052.9	2,070.9	0.00	0.00	0.00
7,700.0	90.00	179.91	6,050.7	-1,470.04	-1,996.9	1,053.1	2,168.9	0.00	0.00	0.00
7,800.0	90.00	179.91	6,050.7	-1,470.04	-2,096.9	1,053.2	2,266.9	0.00	0.00	0.00
7,900.0	90.00	179.91	6,050.7	-1,470.04	-2,196.9	1,053.4	2,364.8	0.00	0.00	0.00
8,000.0	90.00	179.91	6,050.7	-1,470.04	-2,296.9	1,053.6	2,462.8	0.00	0.00	0.00
8,100.0	90.00	179.91	6,050.7	-1,470.04	-2,396.9	1,053.7	2,560.7	0.00	0.00	0.00
8,200.0	90.00	179.91	6,050.7	-1,470.04	-2,496.9	1,053.9	2,658.7	0.00	0.00	0.00
8,300.0	90.00	179.91	6,050.7	-1,470.04	-2,596.9	1,054.0	2,756.6	0.00	0.00	0.00
8,400.0	90.00	179.91	6,050.7	-1,470.04	-2,696.9	1,054.2	2,854.6	0.00	0.00	0.00
8,500.0	90.00	179.91	6,050.7	-1,470.04	-2,796.9	1,054.4	2,952.6	0.00	0.00	0.00
8,600.0	90.00	179.91	6,050.7	-1,470.04	-2,896.9	1,054.5	3,050.5	0.00	0.00	0.00
8,700.0	90.00	179.91	6,050.7	-1,470.03	-2,996.9	1,054.7	3,148.5	0.00	0.00	0.00
8,800.0	90.00	179.91	6,050.7	-1,470.03	-3,096.9	1,054.8	3,246.4	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well PRONGHORN U-Y-18HNB
Company:	BONANZA CREEK ENERGY INC.	**TVD Reference:**	KB-EST @ 4580.7usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4580.7usft (Original Well Elev)
Site:	SE SE SEC. 7 T5N R61W 6th P.M.	**North Reference:**	True
Well:	PRONGHORN U-Y-18HNB	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,900.0	90.00	179.91	6,050.7	-1,470.03	-3,196.9	1,055.0	3,344.4	0.00	0.00	0.00
9,000.0	90.00	179.91	6,050.7	-1,470.03	-3,296.9	1,055.2	3,442.3	0.00	0.00	0.00
9,100.0	90.00	179.91	6,050.7	-1,470.03	-3,396.9	1,055.3	3,540.3	0.00	0.00	0.00
9,200.0	90.00	179.91	6,050.7	-1,470.03	-3,496.9	1,055.5	3,638.3	0.00	0.00	0.00
9,300.0	90.00	179.91	6,050.7	-1,470.03	-3,596.9	1,055.6	3,736.2	0.00	0.00	0.00
9,400.0	90.00	179.91	6,050.7	-1,470.03	-3,696.9	1,055.8	3,834.2	0.00	0.00	0.00
9,500.0	90.00	179.91	6,050.7	-1,470.02	-3,796.9	1,056.0	3,932.1	0.00	0.00	0.00
9,600.0	90.00	179.91	6,050.7	-1,470.02	-3,896.9	1,056.1	4,030.1	0.00	0.00	0.00
9,700.0	90.00	179.91	6,050.7	-1,470.02	-3,996.9	1,056.3	4,128.1	0.00	0.00	0.00
9,800.0	90.00	179.91	6,050.7	-1,470.02	-4,096.9	1,056.5	4,226.0	0.00	0.00	0.00
9,900.0	90.00	179.91	6,050.7	-1,470.02	-4,196.9	1,056.6	4,324.0	0.00	0.00	0.00
10,000.0	90.00	179.91	6,050.7	-1,470.02	-4,296.9	1,056.8	4,421.9	0.00	0.00	0.00
10,100.0	90.00	179.91	6,050.7	-1,470.01	-4,396.9	1,056.9	4,519.9	0.00	0.00	0.00
10,200.0	90.00	179.91	6,050.7	-1,470.01	-4,496.9	1,057.1	4,617.8	0.00	0.00	0.00
10,300.0	90.00	179.91	6,050.7	-1,470.01	-4,596.9	1,057.3	4,715.8	0.00	0.00	0.00
10,400.0	90.00	179.91	6,050.7	-1,470.01	-4,696.9	1,057.4	4,813.8	0.00	0.00	0.00
10,500.0	90.00	179.91	6,050.7	-1,470.01	-4,796.9	1,057.6	4,911.7	0.00	0.00	0.00
10,600.0	90.00	179.91	6,050.7	-1,470.00	-4,896.9	1,057.8	5,009.7	0.00	0.00	0.00
10,700.0	90.00	179.91	6,050.7	-1,470.00	-4,996.9	1,057.9	5,107.6	0.00	0.00	0.00
10,800.0	90.00	179.91	6,050.7	-1,470.00	-5,096.9	1,058.1	5,205.6	0.00	0.00	0.00
BHL: 470ft FSL & 10ft FEL of Sec 18										
10,816.0	***90.00***	***179.91***	***6,050.7***	***-1,470.00***	***-5,112.9***	***1,058.1***	***5,221.2***	***0.00***	***0.00***	***0.00***

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
0.0	0.0	0.0	0.0	SHL: 228ft FSL & 1060ft FEL of Sec 7
300.0	300.0	0.0	0.0	START NUDGE (2°/100ft BUR)
966.4	960.4	-17.2	75.2	EOB TO 13.33° INC
1,520.9	1,500.0	-45.7	199.8	SURFACE CASING
4,970.9	4,857.0	-222.9	975.1	END OF TANGENT
5,637.2	5,517.4	-240.1	1,050.3	EOD TO VERTICAL
5,667.2	5,547.4	-240.1	1,050.3	KOP (12°/100ft BUR)
6,292.2	6,008.6	-594.0	1,050.9	START OF TANGENT
6,392.2	6,034.5	-690.6	1,051.0	END OF TANGENT
6,517.2	6,050.7	-814.2	1,051.2	HZ LP *NEW*: 589.1ft FNL & 9.9ft FEL of Sec 8
10,816.0	6,050.7	-5,112.9	1,058.1	BHL: 470ft FSL & 10ft FEL of Sec 18