BONANZA CREEK ENERGY INC.

WELD COUNTY, COLORADO (NAD 83)
NE NE SEC. 32 T5N R61W 6th P.M.
STATE PRONGHORN U-32-31 MRLNB

ORIGINAL WELLBORE

03 June, 2014

Plan: PROPOSAL #1

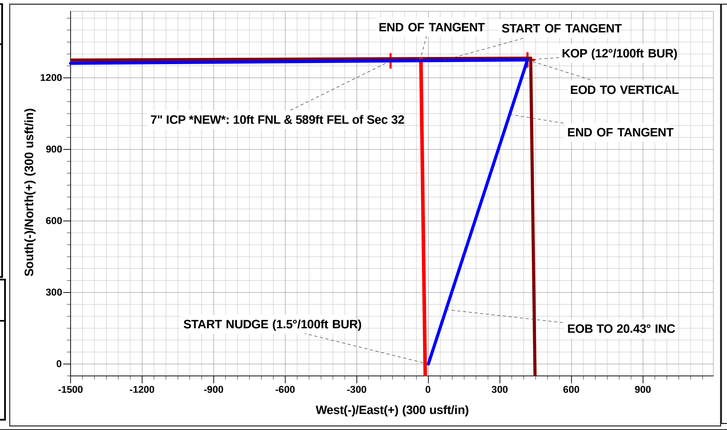
Project: WELD COUNTY, COLORADO (NAD 83)
Site: NE NE SEC. 32 T5N R61W 6th P.M.
Well: STATE PRONGHORN U-32-31 MRLNB
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

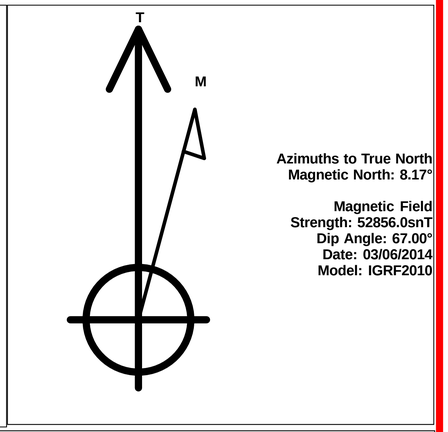
ANNOTATIONS

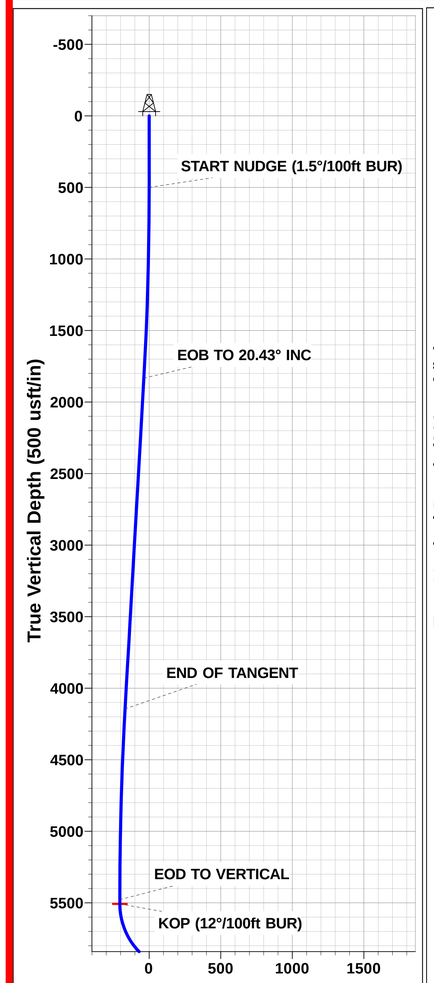
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	W/C: 1280ft FNL & 448ft FEL of Sec 32
500.0	500.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (1.5°/100ft BUR)
1833.1	1861.8	20.43	18.06	228.4	74.4	-36.7	240.2	EOB TO 20.43° INC
4144.6	4328.3	20.43	18.06	1046.8	341.3	-168.1	1101.1	END OF TANGENT
5477.7	5690.1	0.00	0.00	1275.2	415.7	-204.7	1341.2	EOD TO VERTICAL
5507.7	5720.1	0.00	0.00	1275.2	415.7	-204.7	1341.2	KOP (12°/100ft BUR)
5968.9	6345.1	75.00	269.58	1272.6	61.8	144.1	1695.1	START OF TANGENT
5994.8	6445.1	75.00	269.58	1271.9	-34.8	239.3	1791.7	END OF TANGENT
6011.0	6570.1	90.00	269.58	1271.0	-158.3	361.1	1915.3	7" ICP *NEW*: 10ft FNL & 589ft FEL of Sec 32
6011.0	13869.1	90.00	269.59	1217.9	-7457.2	7556.0	9214.3	BHL: 10ft FNL & 2702ft FEL of Sec 31

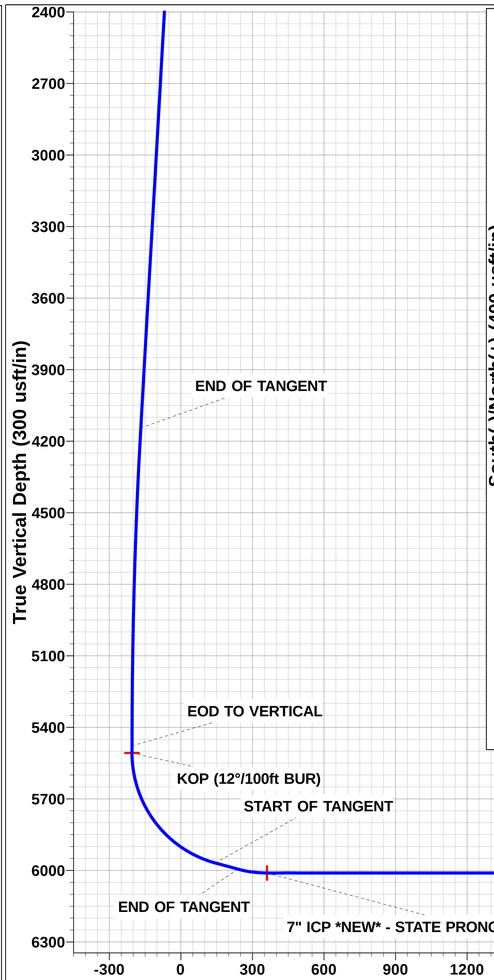
WELLBORE TARGET DETAILS (LAT/LONG)

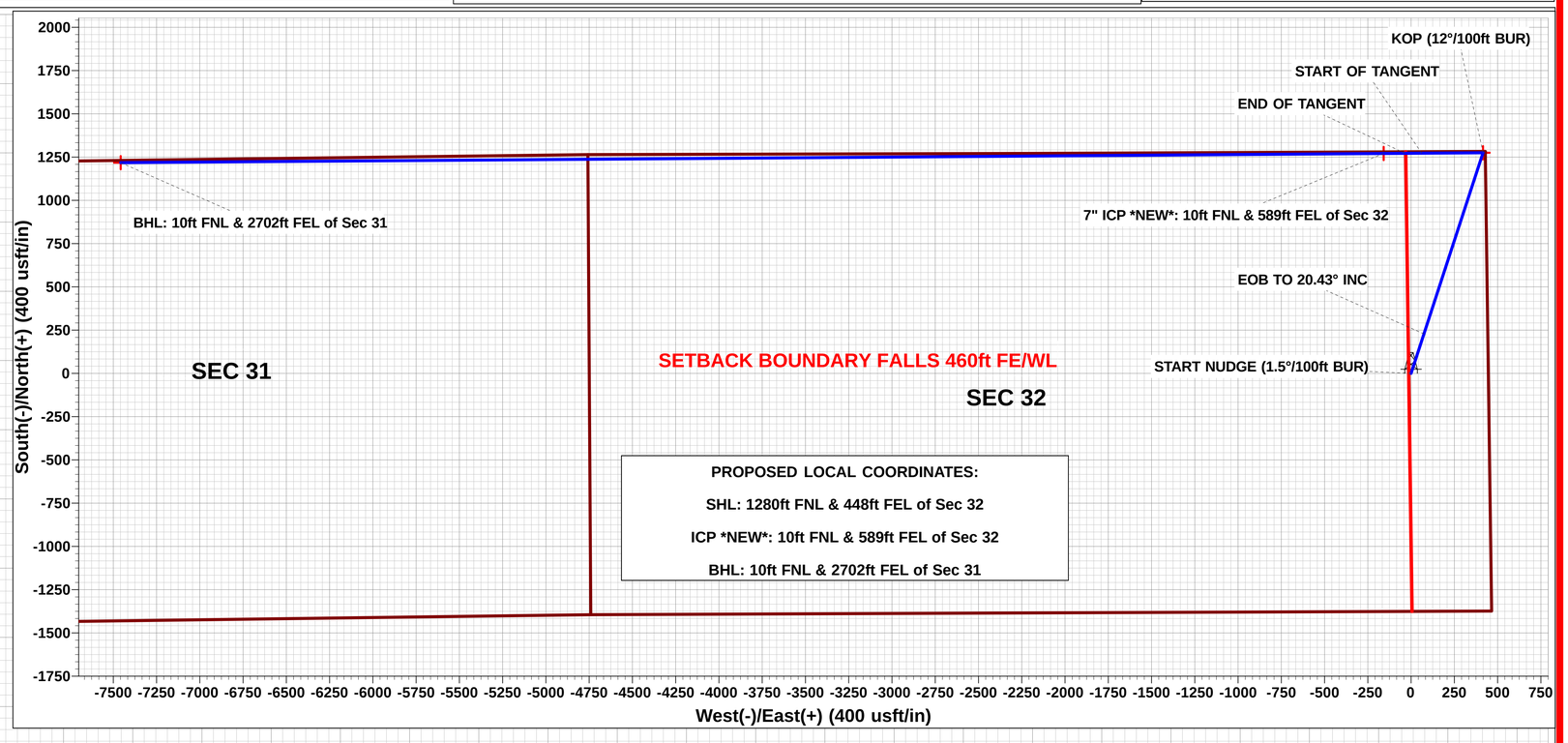
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - STATE PRONGHORN U-32-31 MRLNB	5507.7	1275.2	415.7	40.364550	-104.223628
BHL - STATE PRONGHORN U-32-31 MRLNB	6011.0	1217.9	-7457.2	40.364390	-104.251880
7" ICP *NEW* - STATE PRONGHORN U-32-31 MRLNB	6011.0	1271.0	-158.3	40.364539	-104.225688











Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well STATE PRONGHORN U-32-31 MRLNB
Company:	BONANZA CREEK ENERGY INC.	**TVD Reference:**	KB-EST @ 4581.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4581.0usft (Original Well Elev)
Site:	NE NE SEC. 32 T5N R61W 6th P.M.	**North Reference:**	True
Well:	STATE PRONGHORN U-32-31 MRLNB	**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 NE NE SEC. 32 T5N R61W 6th P.M.

Site Position:		**Northing:**	1,376,924.91 usft	**Latitude:**	40.361050
From:	Lat/Long	**Easting:**	3,355,259.04 usft	**Longitude:**	-104.225120
Position Uncertainty:	0.0 usft	**Slot Radius:**	1.10000 ft	**Grid Convergence:**	0.82 °

Well STATE PRONGHORN U-32-31 MRLNB

Well Position	**+N/-S**	0.0 usft	**Northing:**	1,376,924.91 usft	**Latitude:**	40.361050
	+E/-W	0.0 usft	**Easting:**	3,355,259.04 usft	**Longitude:**	-104.225120
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	4,564.0 usft

Wellbore ORIGINAL WELLBORE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	03/06/2014	8.17	67.00	52,856

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 (°)
	6,011.0	0.0	0.0	279.28

Plan Sections

MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft	Build Rate (°/100usft	Turn Rate (°/100usft	TFO (°)	Target
0.0	0.00	0.00	0.0	-4,581.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	-4,081.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,861.8	20.43	18.06	1,833.1	-2,747.9	228.4	74.4	1.50	1.50	0.00	18.06	
4,328.3	20.43	18.06	4,144.6	-436.4	1,046.8	341.3	0.00	0.00	0.00	0.00	
5,690.1	0.00	0.00	5,477.7	896.7	1,275.2	415.7	1.50	-1.50	0.00	180.00	
5,720.1	0.00	0.00	5,507.7	926.7	1,275.2	415.7	0.00	0.00	0.00	0.00	KOP - STATE PRO
6,345.1	75.00	269.58	5,968.9	1,387.9	1,272.6	61.8	12.00	12.00	0.00	269.58	
6,445.1	75.00	269.58	5,994.8	1,413.8	1,271.9	-34.8	0.00	0.00	0.00	0.00	
6,570.1	90.00	269.58	6,011.0	1,430.0	1,271.0	-158.3	12.00	12.00	0.00	0.00	
13,869.1	90.00	269.59	6,011.0	1,430.0	1,217.9	-7,457.2	0.00	0.00	0.00	83.79	BHL - STATE PROI

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Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4581.0usft (Original Well Elev)
Site:	NE NE SEC. 32 T5N R61W 6th P.M.	**North Reference:**	True
Well:	STATE PRONGHORN U-32-31 MRLNB	**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)
W/C: 1280ft FNL & 448ft FEL of Sec 32										
0.0	***0.00***	***0.00***	***0.0***	***4,581.00***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
100.0	0.00	0.00	100.0	4,481.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,381.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,281.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,181.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (1.5°/100ft BUR)										
500.0	***0.00***	***0.00***	***500.0***	***4,081.00***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
600.0	1.50	18.06	600.0	3,981.01	1.2	0.4	-0.2	1.50	1.50	0.00
700.0	3.00	18.06	699.9	3,881.09	5.0	1.6	-0.8	1.50	1.50	0.00
800.0	4.50	18.06	799.7	3,781.31	11.2	3.6	-1.8	1.50	1.50	0.00
900.0	6.00	18.06	899.3	3,681.73	19.9	6.5	-3.2	1.50	1.50	0.00
1,000.0	7.50	18.06	998.6	3,582.43	31.1	10.1	-5.0	1.50	1.50	0.00
1,100.0	9.00	18.06	1,097.5	3,483.46	44.7	14.6	-7.2	1.50	1.50	0.00
1,200.0	10.50	18.06	1,196.1	3,384.91	60.8	19.8	-9.8	1.50	1.50	0.00
1,300.0	12.00	18.06	1,294.2	3,286.84	79.4	25.9	-12.7	1.50	1.50	0.00
1,400.0	13.50	18.06	1,391.7	3,189.30	100.3	32.7	-16.1	1.50	1.50	0.00
1,500.0	15.00	18.06	1,488.6	3,092.38	123.7	40.3	-19.9	1.50	1.50	0.00
1,600.0	16.50	18.06	1,584.9	2,996.14	149.6	48.8	-24.0	1.50	1.50	0.00
1,700.0	18.00	18.06	1,680.4	2,900.64	177.7	57.9	-28.5	1.50	1.50	0.00
1,800.0	19.50	18.06	1,775.0	2,805.95	208.3	67.9	-33.4	1.50	1.50	0.00
EOB TO 20.43° INC										
1,861.8	***20.43***	***18.06***	***1,833.1***	***2,747.86***	***228.4***	***74.4***	***-36.7***	***1.50***	***1.50***	***0.00***
1,900.0	20.43	18.06	1,868.9	2,712.07	241.0	78.6	-38.7	0.00	0.00	0.00
2,000.0	20.43	18.06	1,962.6	2,618.36	274.2	89.4	-44.0	0.00	0.00	0.00
2,100.0	20.43	18.06	2,056.4	2,524.64	307.4	100.2	-49.4	0.00	0.00	0.00
2,200.0	20.43	18.06	2,150.1	2,430.93	340.6	111.0	-54.7	0.00	0.00	0.00
2,300.0	20.43	18.06	2,243.8	2,337.22	373.8	121.8	-60.0	0.00	0.00	0.00
2,400.0	20.43	18.06	2,337.5	2,243.51	407.0	132.7	-65.3	0.00	0.00	0.00
2,500.0	20.43	18.06	2,431.2	2,149.80	440.1	143.5	-70.7	0.00	0.00	0.00
2,600.0	20.43	18.06	2,524.9	2,056.09	473.3	154.3	-76.0	0.00	0.00	0.00
2,700.0	20.43	18.06	2,618.6	1,962.37	506.5	165.1	-81.3	0.00	0.00	0.00
2,800.0	20.43	18.06	2,712.3	1,868.66	539.7	175.9	-86.6	0.00	0.00	0.00
2,900.0	20.43	18.06	2,806.0	1,774.95	572.9	186.7	-92.0	0.00	0.00	0.00
3,000.0	20.43	18.06	2,899.8	1,681.24	606.1	197.6	-97.3	0.00	0.00	0.00
3,100.0	20.43	18.06	2,993.5	1,587.53	639.2	208.4	-102.6	0.00	0.00	0.00
3,200.0	20.43	18.06	3,087.2	1,493.82	672.4	219.2	-107.9	0.00	0.00	0.00
3,300.0	20.43	18.06	3,180.9	1,400.10	705.6	230.0	-113.3	0.00	0.00	0.00
3,400.0	20.43	18.06	3,274.6	1,306.39	738.8	240.8	-118.6	0.00	0.00	0.00
3,500.0	20.43	18.06	3,368.3	1,212.68	772.0	251.7	-123.9	0.00	0.00	0.00
3,600.0	20.43	18.06	3,462.0	1,118.97	805.2	262.5	-129.3	0.00	0.00	0.00
3,700.0	20.43	18.06	3,555.7	1,025.26	838.3	273.3	-134.6	0.00	0.00	0.00
3,800.0	20.43	18.06	3,649.5	931.55	871.5	284.1	-139.9	0.00	0.00	0.00
3,900.0	20.43	18.06	3,743.2	837.83	904.7	294.9	-145.2	0.00	0.00	0.00
4,000.0	20.43	18.06	3,836.9	744.12	937.9	305.7	-150.6	0.00	0.00	0.00
4,100.0	20.43	18.06	3,930.6	650.41	971.1	316.6	-155.9	0.00	0.00	0.00
4,200.0	20.43	18.06	4,024.3	556.70	1,004.2	327.4	-161.2	0.00	0.00	0.00
4,300.0	20.43	18.06	4,118.0	462.99	1,037.4	338.2	-166.5	0.00	0.00	0.00
END OF TANGENT										
4,328.3	***20.43***	***18.06***	***4,144.6***	***436.44***	***1,046.8***	***341.3***	***-168.1***	***0.00***	***0.00***	***0.00***
4,400.0	19.35	18.06	4,212.0	369.05	1,070.0	348.8	-171.8	1.50	-1.50	0.00
4,500.0	17.85	18.06	4,306.7	274.27	1,100.3	358.7	-176.6	1.50	-1.50	0.00
4,600.0	16.35	18.06	4,402.3	178.70	1,128.3	367.8	-181.1	1.50	-1.50	0.00
4,700.0	14.85	18.06	4,498.6	82.38	1,153.9	376.1	-185.2	1.50	-1.50	0.00

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Site:	NE NE SEC. 32 T5N R61W 6th P.M.	**North Reference:**	True
Well:	STATE PRONGHORN U-32-31 MRLNB	**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)
4,800.0	13.35	18.06	4,595.6	-14.60	1,177.0	383.7	-189.0	1.50	-1.50	0.00
4,900.0	11.85	18.06	4,693.2	-112.19	1,197.8	390.5	-192.3	1.50	-1.50	0.00
5,000.0	10.35	18.06	4,791.3	-210.31	1,216.1	396.4	-195.2	1.50	-1.50	0.00
5,100.0	8.85	18.06	4,889.9	-308.91	1,231.9	401.6	-197.8	1.50	-1.50	0.00
5,200.0	7.35	18.06	4,988.9	-407.91	1,245.3	406.0	-199.9	1.50	-1.50	0.00
5,300.0	5.85	18.06	5,088.2	-507.24	1,256.3	409.5	-201.7	1.50	-1.50	0.00
5,400.0	4.35	18.06	5,187.8	-606.84	1,264.7	412.3	-203.0	1.50	-1.50	0.00
5,500.0	2.85	18.06	5,287.6	-706.64	1,270.7	414.2	-204.0	1.50	-1.50	0.00
5,600.0	1.35	18.06	5,387.6	-806.57	1,274.2	415.4	-204.6	1.50	-1.50	0.00
EOD TO VERTICAL										
5,690.1	***0.00***	***0.00***	***5,477.7***	***-896.70***	***1,275.2***	***415.7***	***-204.7***	***1.50***	***-1.50***	***0.00***
5,700.0	0.00	0.00	5,487.6	-906.56	1,275.2	415.7	-204.7	0.00	0.00	0.00
KOP (12°/100ft BUR)										
5,720.1	***0.00***	***0.00***	***5,507.7***	***-926.70***	***1,275.2***	***415.7***	***-204.7***	***0.00***	***0.00***	***0.00***
5,800.0	9.58	269.58	5,587.2	-1,006.19	1,275.2	409.0	-198.2	12.00	12.00	0.00
5,900.0	21.58	269.58	5,683.3	-1,102.34	1,275.0	382.2	-171.7	12.00	12.00	0.00
6,000.0	33.58	269.58	5,771.8	-1,190.81	1,274.6	336.0	-126.2	12.00	12.00	0.00
6,100.0	45.58	269.58	5,848.7	-1,267.74	1,274.1	272.4	-63.5	12.00	12.00	0.00
6,200.0	57.58	269.58	5,910.8	-1,329.76	1,273.6	194.2	13.6	12.00	12.00	0.00
6,300.0	69.58	269.58	5,955.2	-1,374.17	1,272.9	104.8	101.7	12.00	12.00	0.00
START OF TANGENT										
6,345.1	***75.00***	***269.58***	***5,968.9***	***-1,387.90***	***1,272.6***	***61.8***	***144.1***	***12.00***	***12.00***	***0.00***
6,400.0	75.00	269.58	5,983.1	-1,402.10	1,272.2	8.8	196.4	0.00	0.00	0.00
END OF TANGENT										
6,445.1	***75.00***	***269.58***	***5,994.8***	***-1,413.78***	***1,271.9***	***-34.8***	***239.3***	***0.00***	***0.00***	***0.00***
6,500.0	81.58	269.58	6,005.9	-1,424.90	1,271.5	-88.5	292.3	12.00	12.00	0.00
7" ICP *NEW*: 10ft FNL & 589ft FEL of Sec 32										
6,570.1	***90.00***	***269.58***	***6,011.0***	***-1,430.05***	***1,271.0***	***-158.3***	***361.1***	***12.00***	***12.00***	***0.00***
6,600.0	90.00	269.58	6,011.0	-1,430.05	1,270.8	-188.2	390.6	0.00	0.00	0.00
6,700.0	90.00	269.58	6,011.0	-1,430.05	1,270.0	-288.2	489.1	0.00	0.00	0.00
6,800.0	90.00	269.58	6,011.0	-1,430.05	1,269.3	-388.2	587.7	0.00	0.00	0.00
6,900.0	90.00	269.58	6,011.0	-1,430.05	1,268.6	-488.2	686.3	0.00	0.00	0.00
7,000.0	90.00	269.58	6,011.0	-1,430.05	1,267.8	-588.2	784.9	0.00	0.00	0.00
7,100.0	90.00	269.58	6,011.0	-1,430.05	1,267.1	-688.2	883.4	0.00	0.00	0.00
7,200.0	90.00	269.58	6,011.0	-1,430.05	1,266.4	-788.2	982.0	0.00	0.00	0.00
7,300.0	90.00	269.58	6,011.0	-1,430.05	1,265.6	-888.2	1,080.6	0.00	0.00	0.00
7,400.0	90.00	269.58	6,011.0	-1,430.05	1,264.9	-988.2	1,179.1	0.00	0.00	0.00
7,500.0	90.00	269.58	6,011.0	-1,430.05	1,264.2	-1,088.2	1,277.7	0.00	0.00	0.00
7,600.0	90.00	269.58	6,011.0	-1,430.05	1,263.5	-1,188.2	1,376.3	0.00	0.00	0.00
7,700.0	90.00	269.58	6,011.0	-1,430.05	1,262.7	-1,288.2	1,474.9	0.00	0.00	0.00
7,800.0	90.00	269.58	6,011.0	-1,430.05	1,262.0	-1,388.2	1,573.4	0.00	0.00	0.00
7,900.0	90.00	269.58	6,011.0	-1,430.05	1,261.3	-1,488.2	1,672.0	0.00	0.00	0.00
8,000.0	90.00	269.58	6,011.0	-1,430.04	1,260.5	-1,588.2	1,770.6	0.00	0.00	0.00
8,100.0	90.00	269.58	6,011.0	-1,430.04	1,259.8	-1,688.2	1,869.2	0.00	0.00	0.00
8,200.0	90.00	269.58	6,011.0	-1,430.04	1,259.1	-1,788.2	1,967.7	0.00	0.00	0.00
8,300.0	90.00	269.58	6,011.0	-1,430.04	1,258.3	-1,888.2	2,066.3	0.00	0.00	0.00
8,400.0	90.00	269.58	6,011.0	-1,430.04	1,257.6	-1,988.2	2,164.9	0.00	0.00	0.00
8,500.0	90.00	269.58	6,011.0	-1,430.04	1,256.9	-2,088.2	2,263.4	0.00	0.00	0.00
8,600.0	90.00	269.58	6,011.0	-1,430.04	1,256.1	-2,188.2	2,362.0	0.00	0.00	0.00
8,700.0	90.00	269.58	6,011.0	-1,430.04	1,255.4	-2,288.1	2,460.6	0.00	0.00	0.00
8,800.0	90.00	269.58	6,011.0	-1,430.04	1,254.7	-2,388.1	2,559.2	0.00	0.00	0.00
8,900.0	90.00	269.58	6,011.0	-1,430.04	1,254.0	-2,488.1	2,657.7	0.00	0.00	0.00
9,000.0	90.00	269.58	6,011.0	-1,430.04	1,253.2	-2,588.1	2,756.3	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well STATE PRONGHORN U-32-31 MRLNB
Company:	BONANZA CREEK ENERGY INC.	**TVD Reference:**	KB-EST @ 4581.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4581.0usft (Original Well Elev)
Site:	NE NE SEC. 32 T5N R61W 6th P.M.	**North Reference:**	True
Well:	STATE PRONGHORN U-32-31 MRLNB	**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)
9,100.0	90.00	269.58	6,011.0	-1,430.04	1,252.5	-2,688.1	2,854.9	0.00	0.00	0.00
9,200.0	90.00	269.58	6,011.0	-1,430.04	1,251.8	-2,788.1	2,953.4	0.00	0.00	0.00
9,300.0	90.00	269.58	6,011.0	-1,430.04	1,251.0	-2,888.1	3,052.0	0.00	0.00	0.00
9,400.0	90.00	269.58	6,011.0	-1,430.04	1,250.3	-2,988.1	3,150.6	0.00	0.00	0.00
9,500.0	90.00	269.58	6,011.0	-1,430.04	1,249.6	-3,088.1	3,249.2	0.00	0.00	0.00
9,600.0	90.00	269.58	6,011.0	-1,430.04	1,248.9	-3,188.1	3,347.7	0.00	0.00	0.00
9,700.0	90.00	269.58	6,011.0	-1,430.04	1,248.1	-3,288.1	3,446.3	0.00	0.00	0.00
9,800.0	90.00	269.58	6,011.0	-1,430.04	1,247.4	-3,388.1	3,544.9	0.00	0.00	0.00
9,900.0	90.00	269.58	6,011.0	-1,430.04	1,246.7	-3,488.1	3,643.5	0.00	0.00	0.00
10,000.0	90.00	269.58	6,011.0	-1,430.04	1,245.9	-3,588.1	3,742.0	0.00	0.00	0.00
10,100.0	90.00	269.58	6,011.0	-1,430.04	1,245.2	-3,688.1	3,840.6	0.00	0.00	0.00
10,200.0	90.00	269.58	6,011.0	-1,430.04	1,244.5	-3,788.1	3,939.2	0.00	0.00	0.00
10,300.0	90.00	269.58	6,011.0	-1,430.03	1,243.8	-3,888.1	4,037.7	0.00	0.00	0.00
10,400.0	90.00	269.58	6,011.0	-1,430.03	1,243.0	-3,988.1	4,136.3	0.00	0.00	0.00
10,500.0	90.00	269.58	6,011.0	-1,430.03	1,242.3	-4,088.1	4,234.9	0.00	0.00	0.00
10,600.0	90.00	269.58	6,011.0	-1,430.03	1,241.6	-4,188.1	4,333.5	0.00	0.00	0.00
10,700.0	90.00	269.58	6,011.0	-1,430.03	1,240.9	-4,288.1	4,432.0	0.00	0.00	0.00
10,800.0	90.00	269.58	6,011.0	-1,430.03	1,240.1	-4,388.1	4,530.6	0.00	0.00	0.00
10,900.0	90.00	269.58	6,011.0	-1,430.03	1,239.4	-4,488.1	4,629.2	0.00	0.00	0.00
11,000.0	90.00	269.58	6,011.0	-1,430.03	1,238.7	-4,588.1	4,727.8	0.00	0.00	0.00
11,100.0	90.00	269.58	6,011.0	-1,430.03	1,238.0	-4,688.1	4,826.3	0.00	0.00	0.00
11,200.0	90.00	269.58	6,011.0	-1,430.03	1,237.2	-4,788.1	4,924.9	0.00	0.00	0.00
11,300.0	90.00	269.58	6,011.0	-1,430.03	1,236.5	-4,888.1	5,023.5	0.00	0.00	0.00
11,400.0	90.00	269.58	6,011.0	-1,430.03	1,235.8	-4,988.1	5,122.0	0.00	0.00	0.00
11,500.0	90.00	269.58	6,011.0	-1,430.03	1,235.1	-5,088.1	5,220.6	0.00	0.00	0.00
11,600.0	90.00	269.58	6,011.0	-1,430.02	1,234.3	-5,188.1	5,319.2	0.00	0.00	0.00
11,700.0	90.00	269.58	6,011.0	-1,430.02	1,233.6	-5,288.1	5,417.8	0.00	0.00	0.00
11,800.0	90.00	269.58	6,011.0	-1,430.02	1,232.9	-5,388.1	5,516.3	0.00	0.00	0.00
11,900.0	90.00	269.58	6,011.0	-1,430.02	1,232.2	-5,488.1	5,614.9	0.00	0.00	0.00
12,000.0	90.00	269.59	6,011.0	-1,430.02	1,231.4	-5,588.1	5,713.5	0.00	0.00	0.00
12,100.0	90.00	269.59	6,011.0	-1,430.02	1,230.7	-5,688.1	5,812.1	0.00	0.00	0.00
12,200.0	90.00	269.59	6,011.0	-1,430.02	1,230.0	-5,788.1	5,910.6	0.00	0.00	0.00
12,300.0	90.00	269.59	6,011.0	-1,430.02	1,229.3	-5,888.1	6,009.2	0.00	0.00	0.00
12,400.0	90.00	269.59	6,011.0	-1,430.02	1,228.5	-5,988.1	6,107.8	0.00	0.00	0.00
12,500.0	90.00	269.59	6,011.0	-1,430.02	1,227.8	-6,088.0	6,206.3	0.00	0.00	0.00
12,600.0	90.00	269.59	6,011.0	-1,430.01	1,227.1	-6,188.0	6,304.9	0.00	0.00	0.00
12,700.0	90.00	269.59	6,011.0	-1,430.01	1,226.4	-6,288.0	6,403.5	0.00	0.00	0.00
12,800.0	90.00	269.59	6,011.0	-1,430.01	1,225.6	-6,388.0	6,502.1	0.00	0.00	0.00
12,900.0	90.00	269.59	6,011.0	-1,430.01	1,224.9	-6,488.0	6,600.6	0.00	0.00	0.00
13,000.0	90.00	269.59	6,011.0	-1,430.01	1,224.2	-6,588.0	6,699.2	0.00	0.00	0.00
13,100.0	90.00	269.59	6,011.0	-1,430.01	1,223.5	-6,688.0	6,797.8	0.00	0.00	0.00
13,200.0	90.00	269.59	6,011.0	-1,430.01	1,222.7	-6,788.0	6,896.4	0.00	0.00	0.00
13,300.0	90.00	269.59	6,011.0	-1,430.01	1,222.0	-6,888.0	6,994.9	0.00	0.00	0.00
13,400.0	90.00	269.59	6,011.0	-1,430.01	1,221.3	-6,988.0	7,093.5	0.00	0.00	0.00
13,500.0	90.00	269.59	6,011.0	-1,430.00	1,220.6	-7,088.0	7,192.1	0.00	0.00	0.00
13,600.0	90.00	269.59	6,011.0	-1,430.00	1,219.9	-7,188.0	7,290.7	0.00	0.00	0.00
13,700.0	90.00	269.59	6,011.0	-1,430.00	1,219.1	-7,288.0	7,389.2	0.00	0.00	0.00
13,800.0	90.00	269.59	6,011.0	-1,430.00	1,218.4	-7,388.0	7,487.8	0.00	0.00	0.00
BHL: 10ft FNL & 2702ft FEL of Sec 31										
13,869.1	***90.00***	***269.59***	***6,011.0***	***-1,430.00***	***1,217.9***	***-7,457.2***	***7,556.0***	***0.00***	***0.00***	***0.00***

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well STATE PRONGHORN U-32-31 MRLNB
Company:	BONANZA CREEK ENERGY INC.	**TVD Reference:**	KB-EST @ 4581.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	**MD Reference:**	KB-EST @ 4581.0usft (Original Well Elev)
Site:	NE NE SEC. 32 T5N R61W 6th P.M.	**North Reference:**	True
Well:	STATE PRONGHORN U-32-31 MRLNB	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

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	W/C: 1280ft FNL & 448ft FEL of Sec 32
500.0	500.0	0.0	0.0	START NUDGE (1.5°/100ft BUR)
1,861.8	1,833.1	228.4	74.4	EOB TO 20.43° INC
4,328.3	4,144.6	1,046.8	341.3	END OF TANGENT
5,690.1	5,477.7	1,275.2	415.7	EOD TO VERTICAL
5,720.1	5,507.7	1,275.2	415.7	KOP (12°/100ft BUR)
6,345.1	5,968.9	1,272.6	61.8	START OF TANGENT
6,445.1	5,994.8	1,271.9	-34.8	END OF TANGENT
6,570.1	6,011.0	1,271.0	-158.3	7" ICP *NEW*: 10ft FNL & 589ft FEL of Sec 32
13,869.1	6,011.0	1,217.9	-7,457.2	BHL: 10ft FNL & 2702ft FEL of Sec 31