

# **BONANZA CREEK ENERGY INC.**

**WELD COUNTY, COLORADO (NAD 83)**

**SE SE SEC.32 T5N R61W 6th P.M.**

**STATE PRONGHORN W43-32-31MRLNC**

**ORIGINAL WELLBORE**

**18 December, 2014**

**Plan: PROPOSAL #1**





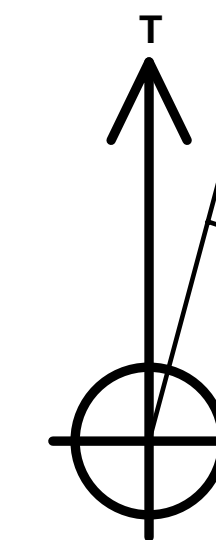
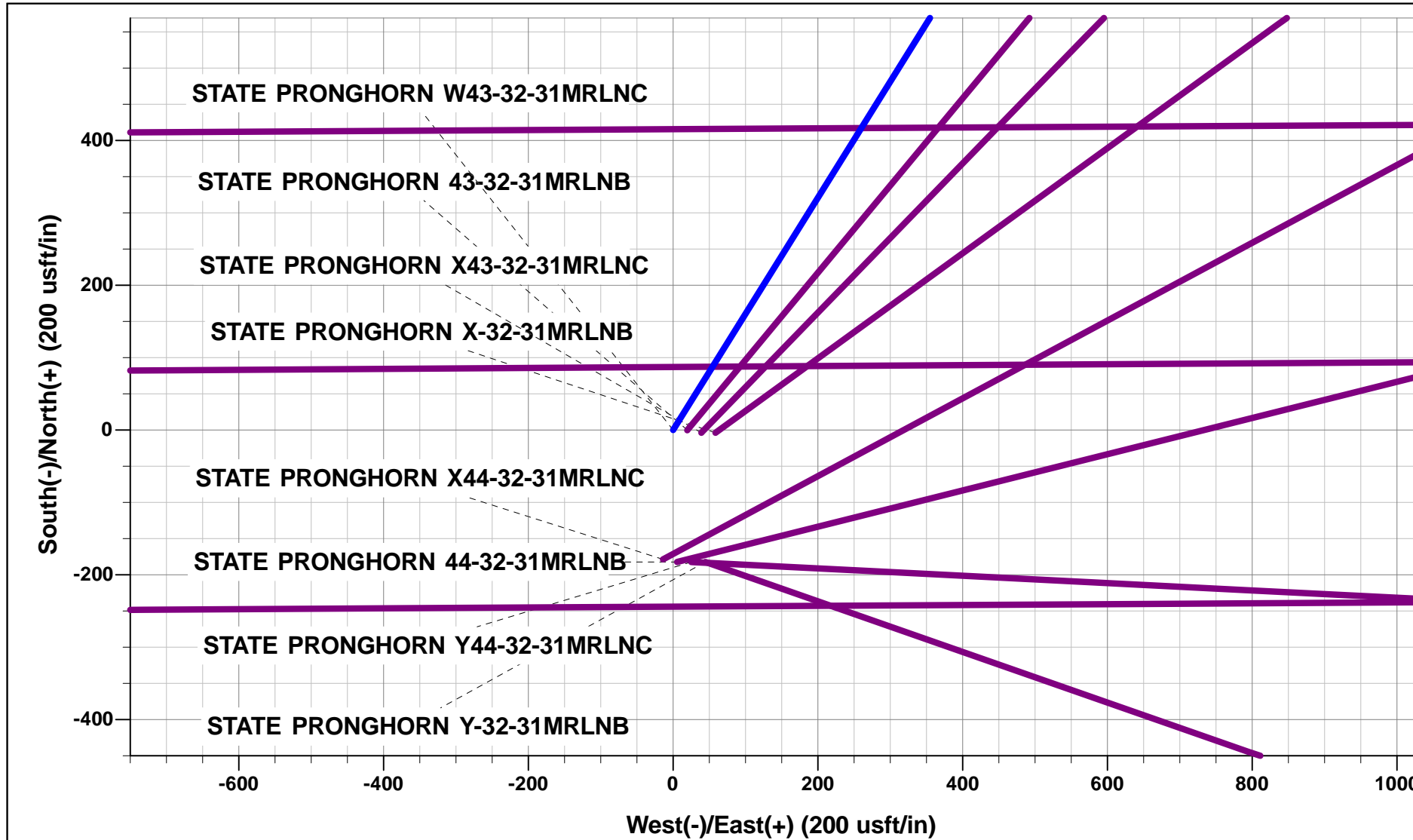
Project: WELD COUNTY, COLORADO (NAD 83)  
Site: SE SE SEC.32 T5N R61W 6th P.M.  
Well: STATE PRONGHORN W43-32-31MRLNC  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #1

#### ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
900.0	900.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2.5°/100ft BUR)
2072.1	2130.4	30.76	31.93	273.6	170.5	-72.5	322.4	EOB TO 30.76° INC
4442.7	4889.1	30.76	31.93	1471.1	916.8	-389.6	1733.3	END OF TANGENT
5614.9	6119.5	0.00	31.93	1744.7	1087.3	-462.1	2055.8	EOD TO VERTICAL
5644.9	6149.5	0.00	0.00	1744.7	1087.3	-462.1	2055.8	KOP (12°/100ft BUR)
6106.1	6774.5	75.00	269.63	1742.4	733.4	-128.1	2409.6	START OF TANGENT
6132.0	6874.5	75.00	269.63	1741.8	636.9	-36.9	2506.2	END OF TANGENT
6148.2	6999.5	90.00	269.63	1741.0	513.3	79.7	2629.8	7" ICP *NEW* - STATE PRONGHORN W43-32-31MRLNC
6148.2	12482.1	90.00	269.63	1705.5	-4969.2	5253.7	8112.4	BHL - STATE PRONGHORN W43-32-31MRLNC

#### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - STATE PRONGHORN W43-32-31MRLNC	5644.9	1744.7	1087.3	40.356329	-104.223479
BHL - STATE PRONGHORN W43-32-31MRLNC	6148.2	1705.5	-4969.3	40.356220	-104.245210
7" ICP *NEW* - STATE PRONGHORN W43-32-31MRLNC	6148.2	1741.0	513.3	40.356319	-104.225538



Azimuths to True North  
Magnetic North: 8.10°

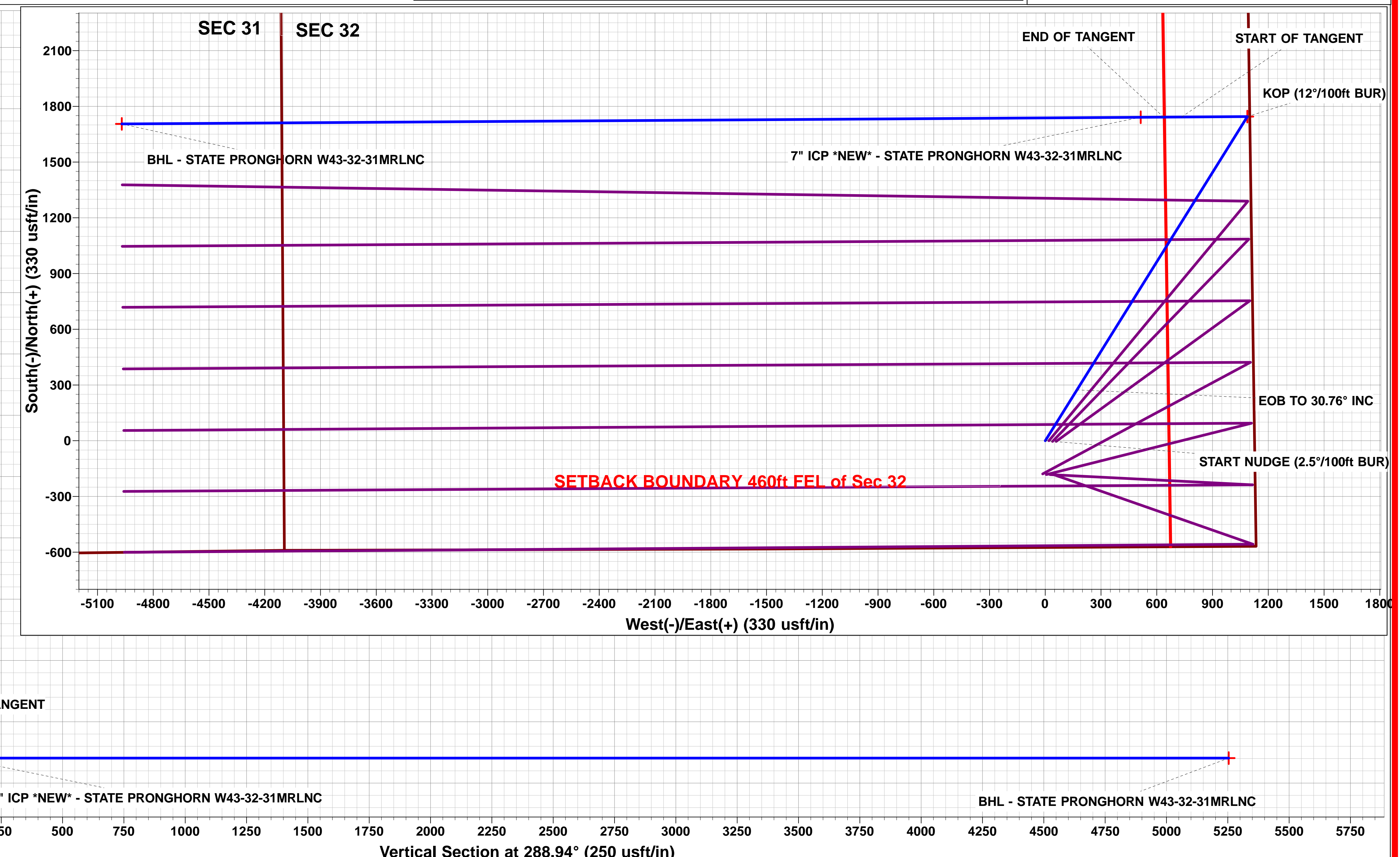
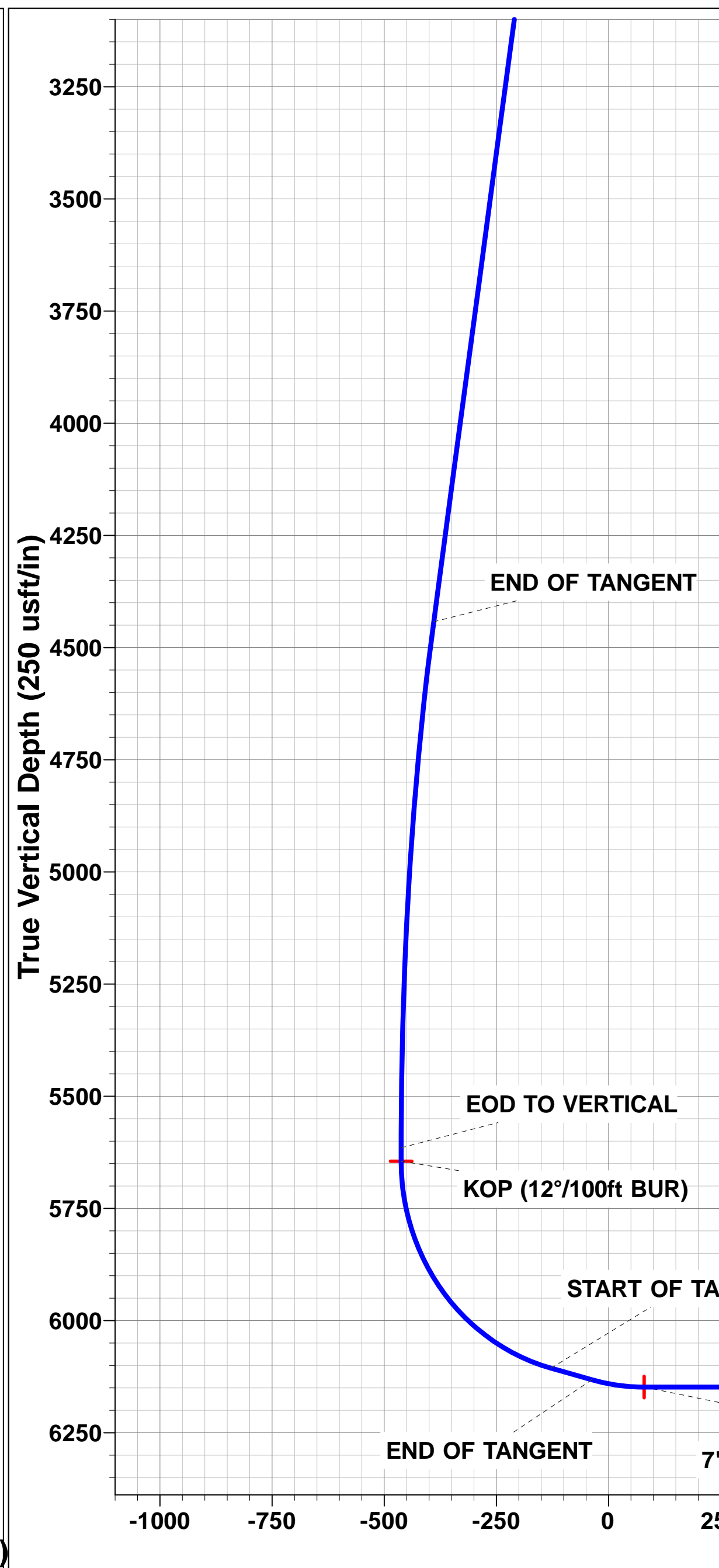
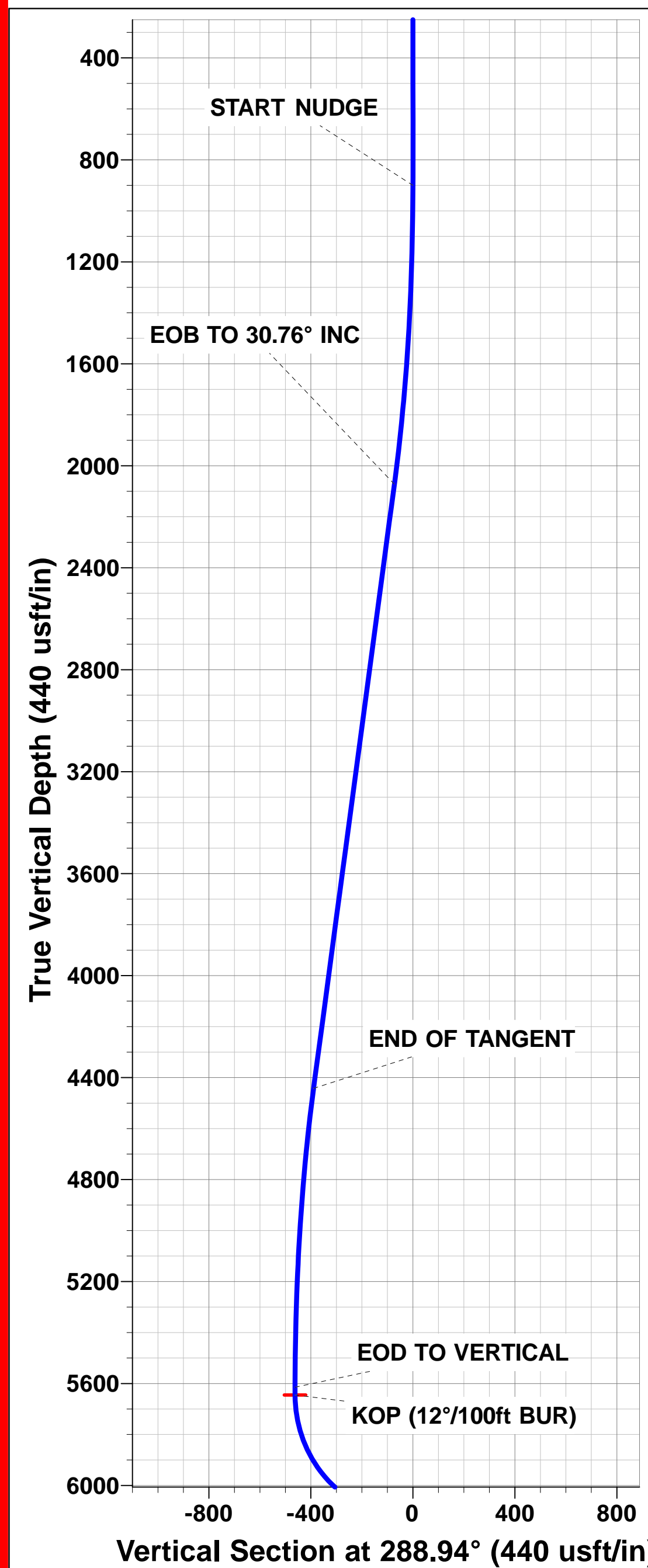
Magnetic Field  
Strength: 52798.2snT  
Dip Angle: 66.98°  
Date: 02/12/2014  
Model: IGRF2010

#### PROPOSED LOCAL COORDINATES

SHL: 573ft FSL & 1127ft FWL of Sec 32

7" ICP \*NEW\*: 2310ft FSL & 589ft FWL of Sec 32

BHL: 2310ft FSL & 860ft FEL of Sec 31



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well STATE PRONGHORN W43-32-31MRLNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Site:</b>	SE SE SEC.32 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	STATE PRONGHORN W43-32-31MRLNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #1		

<b>Project</b>	WELD COUNTY, COLORADO (NAD 83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b>	SE SE SEC.32 T5N R61W 6th P.M.		
<b>Site Position:</b>		<b>Northing:</b>	1,373,448.99 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,354,737.61 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000ft
		<b>Latitude:</b>	40.351530
		<b>Longitude:</b>	-104.227170
		<b>Grid Convergence:</b>	0.82 °

<b>Well</b>	STATE PRONGHORN W43-32-31MRLNC		
<b>Well Position</b>	<b>+N/-S</b>	3.6 usft	<b>Northing:</b>
	<b>+E/-W</b>	-58.5 usft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>
			usft
			<b>Latitude:</b>
			40.351540
			<b>Longitude:</b>
			-104.227380
			<b>Ground Level:</b>
			4,531.2 usft

<b>Wellbore</b>	ORIGINAL WELLBORE				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	02/12/2014	8.10	66.98	52,798

<b>Design</b>	PROPOSAL #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0	
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	6,148.2	0.0	0.0	288.94	

<b>Plan Sections</b>											
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	-4,548.2	0.0	0.0	0.00	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	-3,648.2	0.0	0.0	0.00	0.00	0.00	0.00	
2,130.4	30.76	31.93	2,072.1	-2,476.1	273.6	170.5	2.50	2.50	0.00	31.93	
4,889.1	30.76	31.93	4,442.8	-105.4	1,471.1	916.8	0.00	0.00	0.00	0.00	
6,119.5	0.00	0.00	5,614.9	1,066.7	1,744.7	1,087.3	2.50	-2.50	0.00	180.00	
6,149.5	0.00	0.00	5,644.9	1,096.7	1,744.7	1,087.3	0.00	0.00	0.00	0.00	KOP - STATE PRO
6,774.5	75.00	269.63	6,106.1	1,557.9	1,742.4	733.4	12.00	12.00	0.00	269.63	
6,874.5	75.00	269.63	6,132.0	1,583.8	1,741.8	636.8	0.00	0.00	0.00	0.00	
6,999.5	90.00	269.63	6,148.2	1,600.0	1,741.0	513.3	12.00	12.00	0.00	0.00	
12,482.1	90.00	269.63	6,148.2	1,600.0	1,705.5	-4,969.3	0.00	0.00	0.00	-68.13	BHL - STATE PROI

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well STATE PRONGHORN W43-32-31MRLNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Site:</b>	SE SE SEC.32 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	STATE PRONGHORN W43-32-31MRLNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	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)
0.0	0.00	0.00	0.0	4,548.20	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,448.20	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,348.20	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,248.20	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,148.20	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,048.20	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	3,948.20	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,848.20	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,748.20	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (2.5°/100ft BUR)</b>										
900.0	0.00	0.00	900.0	3,648.20	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	2.50	31.93	1,000.0	3,548.23	1.9	1.2	-0.5	2.50	2.50	0.00
1,100.0	5.00	31.93	1,099.7	3,448.45	7.4	4.6	-2.0	2.50	2.50	0.00
1,200.0	7.50	31.93	1,199.1	3,349.06	16.6	10.4	-4.4	2.50	2.50	0.00
1,300.0	10.00	31.93	1,298.0	3,250.23	29.5	18.4	-7.8	2.50	2.50	0.00
1,400.0	12.50	31.93	1,396.0	3,152.16	46.1	28.7	-12.2	2.50	2.50	0.00
1,500.0	15.00	31.93	1,493.2	3,055.03	66.3	41.3	-17.6	2.50	2.50	0.00
1,600.0	17.50	31.93	1,589.2	2,959.03	90.0	56.1	-23.8	2.50	2.50	0.00
1,700.0	20.00	31.93	1,683.9	2,864.35	117.3	73.1	-31.1	2.50	2.50	0.00
1,800.0	22.50	31.93	1,777.0	2,771.15	148.1	92.3	-39.2	2.50	2.50	0.00
1,900.0	25.00	31.93	1,868.6	2,679.63	182.2	113.6	-48.3	2.50	2.50	0.00
2,000.0	27.50	31.93	1,958.2	2,589.95	219.8	137.0	-58.2	2.50	2.50	0.00
2,100.0	30.00	31.93	2,045.9	2,502.28	260.6	162.4	-69.0	2.50	2.50	0.00
<b>EOB TO 30.76° INC</b>										
2,130.4	30.76	31.93	2,072.1	2,476.06	273.6	170.5	-72.5	2.50	2.50	0.00
2,200.0	30.76	31.93	2,131.9	2,416.25	303.8	189.4	-80.5	0.00	0.00	0.00
2,300.0	30.76	31.93	2,217.9	2,330.32	347.2	216.4	-92.0	0.00	0.00	0.00
2,400.0	30.76	31.93	2,303.8	2,244.39	390.7	243.5	-103.5	0.00	0.00	0.00
2,500.0	30.76	31.93	2,389.7	2,158.46	434.1	270.5	-115.0	0.00	0.00	0.00
2,600.0	30.76	31.93	2,475.7	2,072.52	477.5	297.6	-126.4	0.00	0.00	0.00
2,700.0	30.76	31.93	2,561.6	1,986.59	520.9	324.6	-137.9	0.00	0.00	0.00
2,800.0	30.76	31.93	2,647.5	1,900.66	564.3	351.7	-149.4	0.00	0.00	0.00
2,900.0	30.76	31.93	2,733.5	1,814.73	607.7	378.7	-160.9	0.00	0.00	0.00
3,000.0	30.76	31.93	2,819.4	1,728.80	651.1	405.8	-172.4	0.00	0.00	0.00
3,100.0	30.76	31.93	2,905.3	1,642.86	694.5	432.8	-183.9	0.00	0.00	0.00
3,200.0	30.76	31.93	2,991.3	1,556.93	737.9	459.9	-195.4	0.00	0.00	0.00
3,300.0	30.76	31.93	3,077.2	1,471.00	781.3	486.9	-206.9	0.00	0.00	0.00
3,400.0	30.76	31.93	3,163.1	1,385.07	824.7	514.0	-218.4	0.00	0.00	0.00
3,500.0	30.76	31.93	3,249.1	1,299.14	868.1	541.0	-229.9	0.00	0.00	0.00
3,600.0	30.76	31.93	3,335.0	1,213.21	911.5	568.1	-241.4	0.00	0.00	0.00
3,700.0	30.76	31.93	3,420.9	1,127.27	954.9	595.1	-252.9	0.00	0.00	0.00
3,800.0	30.76	31.93	3,506.9	1,041.34	998.3	622.2	-264.4	0.00	0.00	0.00
3,900.0	30.76	31.93	3,592.8	955.41	1,041.7	649.2	-275.9	0.00	0.00	0.00
4,000.0	30.76	31.93	3,678.7	869.48	1,085.1	676.3	-287.4	0.00	0.00	0.00
4,100.0	30.76	31.93	3,764.7	783.55	1,128.5	703.3	-298.9	0.00	0.00	0.00
4,200.0	30.76	31.93	3,850.6	697.62	1,172.0	730.4	-310.4	0.00	0.00	0.00
4,300.0	30.76	31.93	3,936.5	611.68	1,215.4	757.4	-321.9	0.00	0.00	0.00
4,400.0	30.76	31.93	4,022.4	525.75	1,258.8	784.5	-333.4	0.00	0.00	0.00
4,500.0	30.76	31.93	4,108.4	439.82	1,302.2	811.5	-344.9	0.00	0.00	0.00
4,600.0	30.76	31.93	4,194.3	353.89	1,345.6	838.6	-356.4	0.00	0.00	0.00
4,700.0	30.76	31.93	4,280.2	267.96	1,389.0	865.6	-367.8	0.00	0.00	0.00
4,800.0	30.76	31.93	4,366.2	182.03	1,432.4	892.7	-379.3	0.00	0.00	0.00

# Planning Report



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<b>Site:</b>	SE SE SEC.32 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	STATE PRONGHORN W43-32-31MRLNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	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)
<b>END OF TANGENT</b>										
4,889.1	30.76	31.93	4,442.7	105.46	1,471.1	916.8	-389.6	0.00	0.00	0.00
4,900.0	30.49	31.93	4,452.1	96.08	1,475.8	919.7	-390.8	2.49	-2.49	0.00
5,000.0	27.99	31.93	4,539.4	8.83	1,517.2	945.5	-401.8	2.50	-2.50	0.00
5,100.0	25.49	31.93	4,628.7	-80.47	1,555.4	969.3	-411.9	2.50	-2.50	0.00
5,200.0	22.99	31.93	4,719.8	-171.65	1,590.2	991.0	-421.1	2.50	-2.50	0.00
5,300.0	20.49	31.93	4,812.7	-264.53	1,621.7	1,010.6	-429.5	2.50	-2.50	0.00
5,400.0	17.99	31.93	4,907.1	-358.94	1,649.6	1,028.1	-436.9	2.50	-2.50	0.00
5,500.0	15.49	31.93	5,002.9	-454.69	1,674.1	1,043.3	-443.3	2.50	-2.50	0.00
5,600.0	12.99	31.93	5,099.8	-551.62	1,694.9	1,056.3	-448.9	2.50	-2.50	0.00
5,700.0	10.49	31.93	5,197.7	-649.52	1,712.2	1,067.0	-453.4	2.50	-2.50	0.00
5,800.0	7.99	31.93	5,296.4	-748.21	1,725.8	1,075.5	-457.1	2.50	-2.50	0.00
5,900.0	5.49	31.93	5,395.7	-847.51	1,735.8	1,081.7	-459.7	2.50	-2.50	0.00
6,000.0	2.99	31.93	5,495.4	-947.23	1,742.1	1,085.7	-461.4	2.50	-2.50	0.00
6,100.0	0.49	31.93	5,595.4	-1,047.18	1,744.6	1,087.3	-462.0	2.50	-2.50	0.00
<b>EOD TO VERTICAL</b>										
6,119.5	0.00	31.93	5,614.9	-1,066.68	1,744.7	1,087.3	-462.1	2.50	-2.50	0.00
<b>KOP (12°/100ft BUR)</b>										
6,149.5	0.00	0.00	5,644.9	-1,096.68	1,744.7	1,087.3	-462.1	0.00	0.00	0.00
6,200.0	6.06	269.63	5,695.3	-1,147.08	1,744.7	1,084.6	-459.5	11.99	11.99	0.00
6,300.0	18.06	269.63	5,792.9	-1,244.70	1,744.5	1,063.8	-439.9	12.00	12.00	0.00
6,400.0	30.06	269.63	5,884.0	-1,335.85	1,744.3	1,023.1	-401.5	12.00	12.00	0.00
6,500.0	42.06	269.63	5,964.7	-1,416.54	1,743.9	964.3	-346.0	12.00	12.00	0.00
6,600.0	54.06	269.63	6,031.5	-1,483.26	1,743.4	890.1	-275.9	12.00	12.00	0.00
6,700.0	66.06	269.63	6,081.3	-1,533.08	1,742.9	803.6	-194.3	12.00	12.00	0.00
<b>START OF TANGENT</b>										
6,774.5	75.00	269.63	6,106.1	-1,557.89	1,742.4	733.4	-128.1	12.00	12.00	0.00
6,800.0	75.00	269.63	6,112.7	-1,564.49	1,742.3	708.8	-104.9	0.01	0.01	0.00
<b>END OF TANGENT</b>										
6,874.5	75.00	269.63	6,132.0	-1,583.77	1,741.8	636.9	-36.9	0.00	0.00	0.00
6,900.0	78.06	269.63	6,137.9	-1,589.71	1,741.6	612.1	-13.5	11.99	11.99	0.00
<b>7" ICP *NEW* - STATE PRONGHORN W43-32-31MRLNC</b>										
6,999.5	90.00	269.63	6,148.2	-1,600.05	1,741.0	513.3	79.7	12.00	12.00	0.00
7,000.0	90.00	269.63	6,148.2	-1,600.05	1,741.0	512.8	80.1	0.54	0.54	0.00
7,100.0	90.00	269.63	6,148.2	-1,600.05	1,740.3	412.8	174.5	0.00	0.00	0.00
7,200.0	90.00	269.63	6,148.2	-1,600.05	1,739.7	312.8	268.9	0.00	0.00	0.00
7,300.0	90.00	269.63	6,148.2	-1,600.05	1,739.1	212.8	363.3	0.00	0.00	0.00
7,400.0	90.00	269.63	6,148.2	-1,600.05	1,738.4	112.8	457.6	0.00	0.00	0.00
7,500.0	90.00	269.63	6,148.2	-1,600.05	1,737.8	12.8	552.0	0.00	0.00	0.00
7,600.0	90.00	269.63	6,148.2	-1,600.05	1,737.1	-87.2	646.4	0.00	0.00	0.00
7,700.0	90.00	269.63	6,148.2	-1,600.05	1,736.5	-187.2	740.8	0.00	0.00	0.00
7,800.0	90.00	269.63	6,148.2	-1,600.05	1,735.8	-287.2	835.1	0.00	0.00	0.00
7,900.0	90.00	269.63	6,148.2	-1,600.05	1,735.2	-387.2	929.5	0.00	0.00	0.00
8,000.0	90.00	269.63	6,148.2	-1,600.05	1,734.5	-487.2	1,023.9	0.00	0.00	0.00
8,100.0	90.00	269.63	6,148.2	-1,600.04	1,733.9	-587.2	1,118.3	0.00	0.00	0.00
8,200.0	90.00	269.63	6,148.2	-1,600.04	1,733.2	-687.2	1,212.6	0.00	0.00	0.00
8,300.0	90.00	269.63	6,148.2	-1,600.04	1,732.6	-787.2	1,307.0	0.00	0.00	0.00
8,400.0	90.00	269.63	6,148.2	-1,600.04	1,731.9	-887.2	1,401.4	0.00	0.00	0.00
8,500.0	90.00	269.63	6,148.2	-1,600.04	1,731.3	-987.2	1,495.7	0.00	0.00	0.00
8,600.0	90.00	269.63	6,148.2	-1,600.04	1,730.6	-1,087.2	1,590.1	0.00	0.00	0.00
8,700.0	90.00	269.63	6,148.2	-1,600.04	1,730.0	-1,187.2	1,684.5	0.00	0.00	0.00
8,800.0	90.00	269.63	6,148.2	-1,600.04	1,729.4	-1,287.2	1,778.9	0.00	0.00	0.00



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well STATE PRONGHORN W43-32-31MRLNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Site:</b>	SE SE SEC.32 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	STATE PRONGHORN W43-32-31MRLNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	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	269.63	6,148.2	-1,600.04	1,728.7	-1,387.2	1,873.2	0.00	0.00	0.00
9,000.0	90.00	269.63	6,148.2	-1,600.04	1,728.1	-1,487.2	1,967.6	0.00	0.00	0.00
9,100.0	90.00	269.63	6,148.2	-1,600.04	1,727.4	-1,587.2	2,062.0	0.00	0.00	0.00
9,200.0	90.00	269.63	6,148.2	-1,600.04	1,726.8	-1,687.2	2,156.3	0.00	0.00	0.00
9,300.0	90.00	269.63	6,148.2	-1,600.04	1,726.1	-1,787.2	2,250.7	0.00	0.00	0.00
9,400.0	90.00	269.63	6,148.2	-1,600.04	1,725.5	-1,887.2	2,345.1	0.00	0.00	0.00
9,500.0	90.00	269.63	6,148.2	-1,600.04	1,724.8	-1,987.2	2,439.5	0.00	0.00	0.00
9,600.0	90.00	269.63	6,148.2	-1,600.04	1,724.2	-2,087.2	2,533.8	0.00	0.00	0.00
9,700.0	90.00	269.63	6,148.2	-1,600.04	1,723.5	-2,187.2	2,628.2	0.00	0.00	0.00
9,800.0	90.00	269.63	6,148.2	-1,600.03	1,722.9	-2,287.2	2,722.6	0.00	0.00	0.00
9,900.0	90.00	269.63	6,148.2	-1,600.03	1,722.2	-2,387.2	2,817.0	0.00	0.00	0.00
10,000.0	90.00	269.63	6,148.2	-1,600.03	1,721.6	-2,487.2	2,911.3	0.00	0.00	0.00
10,100.0	90.00	269.63	6,148.2	-1,600.03	1,720.9	-2,587.2	3,005.7	0.00	0.00	0.00
10,200.0	90.00	269.63	6,148.2	-1,600.03	1,720.3	-2,687.2	3,100.1	0.00	0.00	0.00
10,300.0	90.00	269.63	6,148.2	-1,600.03	1,719.6	-2,787.2	3,194.4	0.00	0.00	0.00
10,400.0	90.00	269.63	6,148.2	-1,600.03	1,719.0	-2,887.2	3,288.8	0.00	0.00	0.00
10,500.0	90.00	269.63	6,148.2	-1,600.03	1,718.3	-2,987.1	3,383.2	0.00	0.00	0.00
10,600.0	90.00	269.63	6,148.2	-1,600.03	1,717.7	-3,087.1	3,477.6	0.00	0.00	0.00
10,700.0	90.00	269.63	6,148.2	-1,600.03	1,717.0	-3,187.1	3,571.9	0.00	0.00	0.00
10,800.0	90.00	269.63	6,148.2	-1,600.02	1,716.4	-3,287.1	3,666.3	0.00	0.00	0.00
10,900.0	90.00	269.63	6,148.2	-1,600.02	1,715.7	-3,387.1	3,760.7	0.00	0.00	0.00
11,000.0	90.00	269.63	6,148.2	-1,600.02	1,715.1	-3,487.1	3,855.0	0.00	0.00	0.00
11,100.0	90.00	269.63	6,148.2	-1,600.02	1,714.4	-3,587.1	3,949.4	0.00	0.00	0.00
11,200.0	90.00	269.63	6,148.2	-1,600.02	1,713.8	-3,687.1	4,043.8	0.00	0.00	0.00
11,300.0	90.00	269.63	6,148.2	-1,600.02	1,713.2	-3,787.1	4,138.2	0.00	0.00	0.00
11,400.0	90.00	269.63	6,148.2	-1,600.02	1,712.5	-3,887.1	4,232.5	0.00	0.00	0.00
11,500.0	90.00	269.63	6,148.2	-1,600.02	1,711.9	-3,987.1	4,326.9	0.00	0.00	0.00
11,600.0	90.00	269.63	6,148.2	-1,600.01	1,711.2	-4,087.1	4,421.3	0.00	0.00	0.00
11,700.0	90.00	269.63	6,148.2	-1,600.01	1,710.6	-4,187.1	4,515.6	0.00	0.00	0.00
11,800.0	90.00	269.63	6,148.2	-1,600.01	1,709.9	-4,287.1	4,610.0	0.00	0.00	0.00
11,900.0	90.00	269.63	6,148.2	-1,600.01	1,709.3	-4,387.1	4,704.4	0.00	0.00	0.00
12,000.0	90.00	269.63	6,148.2	-1,600.01	1,708.6	-4,487.1	4,798.8	0.00	0.00	0.00
12,100.0	90.00	269.63	6,148.2	-1,600.01	1,708.0	-4,587.1	4,893.1	0.00	0.00	0.00
12,200.0	90.00	269.63	6,148.2	-1,600.00	1,707.3	-4,687.1	4,987.5	0.00	0.00	0.00
12,300.0	90.00	269.63	6,148.2	-1,600.00	1,706.7	-4,787.1	5,081.9	0.00	0.00	0.00
12,400.0	90.00	269.63	6,148.2	-1,600.00	1,706.0	-4,887.1	5,176.2	0.00	0.00	0.00
<b>BHL - STATE PRONGHORN W43-32-31MRLNC</b>										
<b>12,482.1</b>	<b>90.00</b>	<b>269.63</b>	<b>6,148.2</b>	<b>-1,600.00</b>	<b>1,705.5</b>	<b>-4,969.2</b>	<b>5,253.7</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well STATE PRONGHORN W43-32-31MRLNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4548.2usft (Original Well Elev)
<b>Site:</b>	SE SE SEC.32 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	STATE PRONGHORN W43-32-31MRLNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #1		

## Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
900.0	900.0	0.0	0.0	START NUDGE (2.5°/100ft BUR)
2,130.4	2,072.1	273.6	170.5	EOB TO 30.76° INC
4,889.1	4,442.7	1,471.1	916.8	END OF TANGENT
6,119.5	5,614.9	1,744.7	1,087.3	EOD TO VERTICAL
6,149.5	5,644.9	1,744.7	1,087.3	KOP (12°/100ft BUR)
6,774.5	6,106.1	1,742.4	733.4	START OF TANGENT
6,874.5	6,132.0	1,741.8	636.9	END OF TANGENT
6,999.5	6,148.2	1,741.0	513.3	7" ICP *NEW* - STATE PRONGHORN W43-32-31MRLNC
12,482.1	6,148.2	1,705.5	-4,969.2	BHL - STATE PRONGHORN W43-32-31MRLNC