

# **BONANZA CREEK ENERGY INC.**

**WELD COUNTY, COLORADO (NAD 83)  
SW SW SEC. 28 T5N R61W 6th P.M.  
PRONGHORN D14-X44-28HNB**

**ORIGINAL WELLBORE**

**03 November, 2014**

**Plan: PROPOSAL #1**





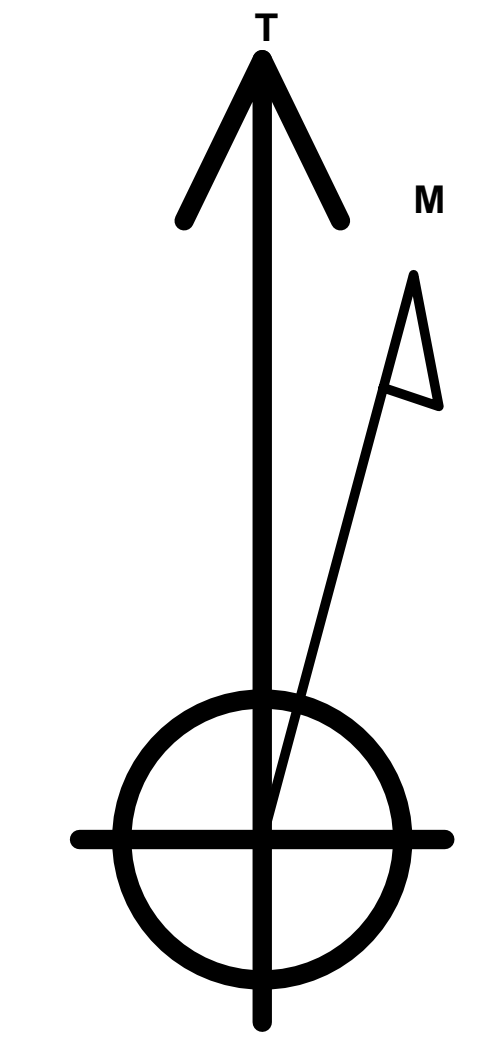
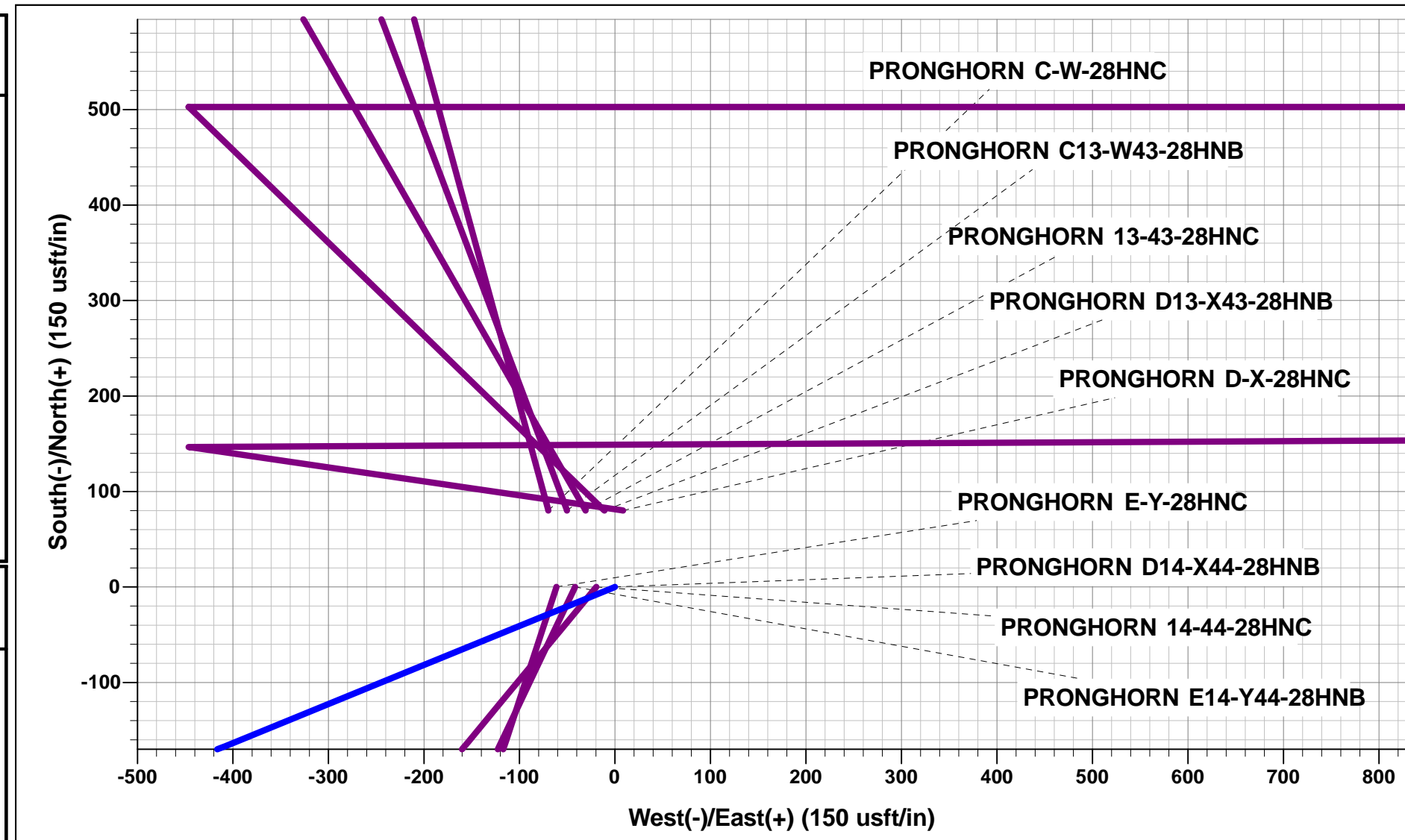
Project: WELD COUNTY, COLORADO (NAD 83)  
 Site: SW SW SEC. 28 T5N R61W 6th P.M.  
 Well: PRONGHORN D14-X44-28HNB  
 Wellbore: ORIGINAL WELLBORE  
 Design: PROPOSAL #1

ANNOTATIONS

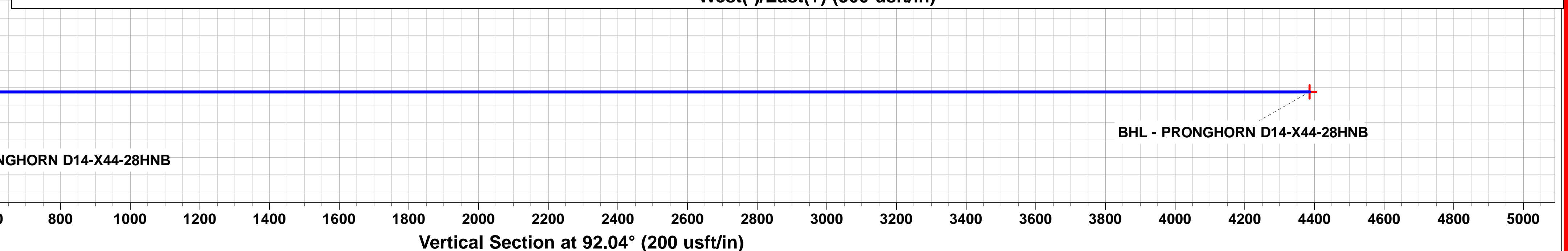
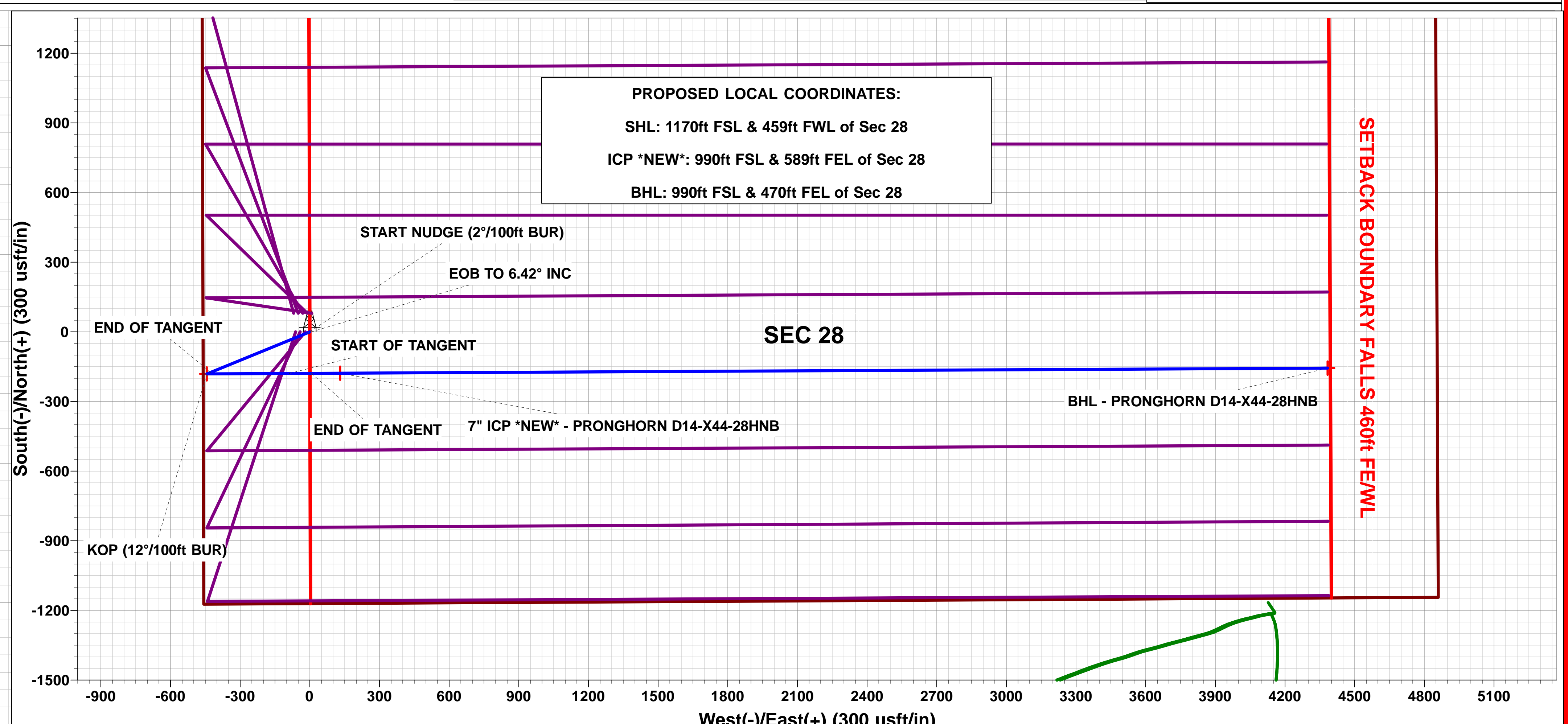
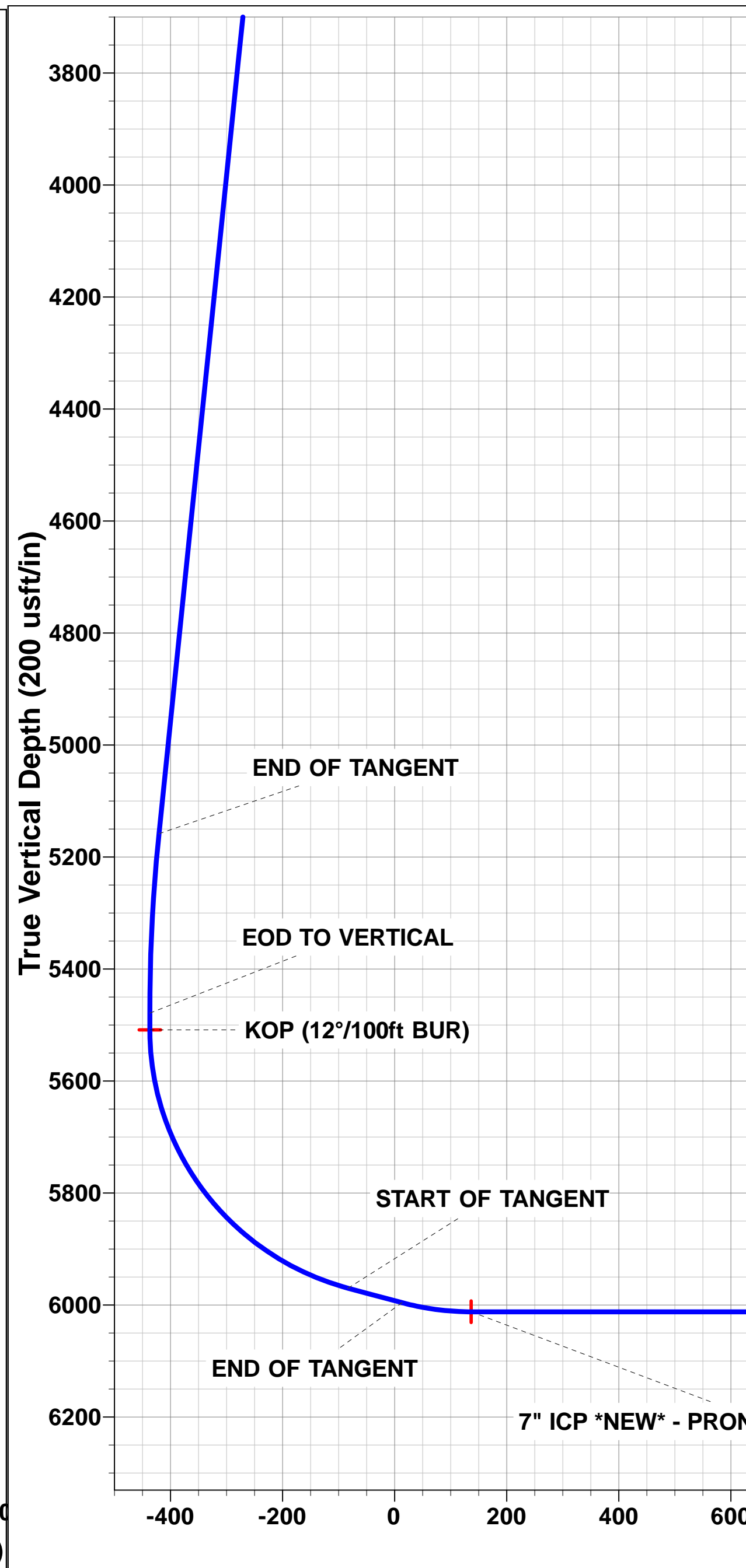
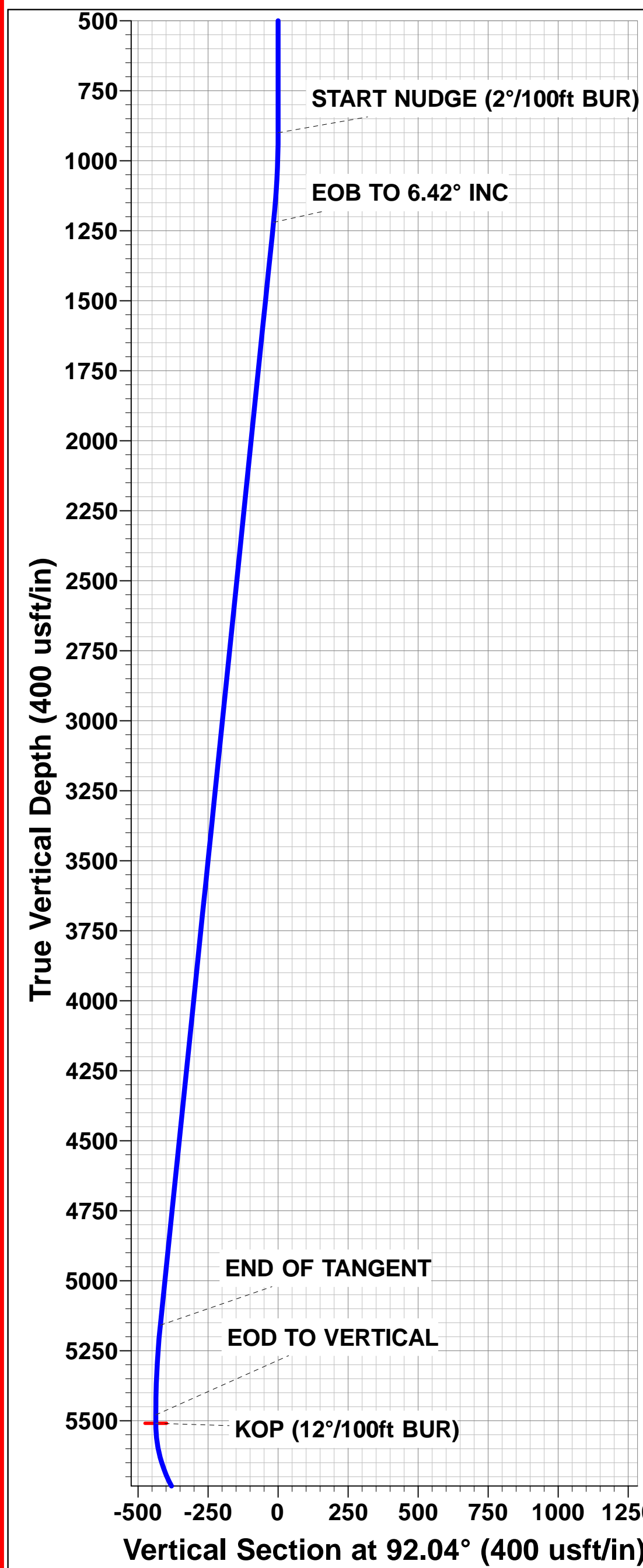
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Dep	Annotation
900.0	900.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDDGE (2°/100ft BUR)
1220.3	1221.0	6.42	247.78	-6.8	-16.6	-16.4	18.0	EOB TO 6.42° INC
5158.6	5184.1	6.42	247.78	-174.4	-426.9	-420.4	461.1	END OF TANGENT
5478.9	5505.1	0.00	0.00	-181.2	-443.5	-436.8	479.1	EOD TO VERTICAL
5508.9	5535.1	0.00	0.00	-181.2	-443.5	-436.8	479.1	KOP (12°/100ft BUR)
5970.1	6160.1	75.00	89.70	-179.3	-89.6	-83.2	833.0	START OF TANGENT
5996.0	6260.1	75.00	89.70	-178.8	7.0	13.3	929.6	END OF TANGENT
6012.2	6385.1	90.00	89.70	-178.2	130.5	136.8	1053.1	7" ICP *NEW* - PRONGHORN D14-X44-28HNB
6012.2	10637.9	90.00	89.71	-156.3	4383.3	4386.0	5305.9	BHL - PRONGHORN D14-X44-28HNB

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - PRONGHORN D14-X44-28HNB	5508.9	-181.2	-443.5	40.367293	-104.223532
BHL - PRONGHORN D14-X44-28HNB	6012.2	-156.3	4383.3	40.367360	-104.206210
7" ICP *NEW* - PRONGHORN D14-X44-28HNB	6012.2	-178.2	130.5	40.367301	-104.221472



Azimuths to True North  
 Magnetic North: 8.11°  
 Magnetic Field  
 Strength: 52815.2snT  
 Dip Angle: 66.99°  
 Date: 03/11/2014  
 Model: IGRF2010



Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN D14-X44-28HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Site:</b>	SW SW SEC. 28 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN D14-X44-28HNB	<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>	SW SW SEC. 28 T5N R61W 6th P.M.				
<b>Site Position:</b>		<b>Northing:</b>	1,379,471.89 usft	<b>Latitude:</b>	40.368010
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,356,038.93 usft	<b>Longitude:</b>	-104.222190
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000ft	<b>Grid Convergence:</b>	0.83 °

<b>Well</b>	PRONGHORN D14-X44-28HNB					
<b>Well Position</b>	<b>+N-S</b>	-80.2 usft	<b>Northing:</b>	1,379,392.75 usft	<b>Latitude:</b>	40.367790
	<b>+E-W</b>	69.7 usft	<b>Easting:</b>	3,356,109.74 usft	<b>Longitude:</b>	-104.221940
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	4,595.2 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	03/11/2014	8.11	66.99	52,815

<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>
	6,012.2	0.0	0.0	92.04

<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	-4,612.2	0.0	0.0	0.00	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	-3,712.2	0.0	0.0	0.00	0.00	0.00	0.00	
1,221.0	6.42	247.78	1,220.3	-3,391.9	-6.8	-16.6	2.00	2.00	0.00	247.78	
5,184.1	6.42	247.78	5,158.6	546.4	-174.4	-426.9	0.00	0.00	0.00	0.00	
5,505.1	0.00	0.00	5,478.9	866.7	-181.2	-443.5	2.00	-2.00	0.00	180.00	
5,535.1	0.00	0.00	5,508.9	896.7	-181.2	-443.5	0.00	0.00	0.00	0.00	KOP - PRONGHOF
6,160.1	75.00	89.70	5,970.1	1,357.9	-179.3	-89.6	12.00	12.00	0.00	89.70	
6,260.1	75.00	89.70	5,996.0	1,383.8	-178.8	7.0	0.00	0.00	0.00	0.00	
6,385.1	90.00	89.70	6,012.2	1,400.0	-178.2	130.5	12.00	12.00	0.00	0.00	
10,637.9	90.00	89.71	6,012.2	1,400.0	-156.3	4,383.3	0.00	0.00	0.00	81.92	BHL - PRONGHOR

Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN D14-X44-28HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Site:</b>	SW SW SEC. 28 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN D14-X44-28HNB	<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	4,612.20	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	4,512.20	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	4,412.20	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	4,312.20	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	4,212.20	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	4,112.20	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	4,012.20	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	3,912.20	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	3,812.20	0.0	0.0	0.0	0.00	0.00	0.00	
<b>START NUDGE (2°/100ft BUR)</b>											
900.0	0.00	0.00	900.0	3,712.20	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	2.00	247.78	1,000.0	3,612.22	-0.7	-1.6	-1.6	2.00	2.00	0.00	
1,100.0	4.00	247.78	1,099.8	3,512.36	-2.6	-6.5	-6.4	2.00	2.00	0.00	
1,200.0	6.00	247.78	1,199.5	3,412.75	-5.9	-14.5	-14.3	2.00	2.00	0.00	
<b>EOB TO 6.42° INC</b>											
1,221.0	6.42	247.78	1,220.3	3,391.86	-6.8	-16.6	-16.4	2.00	2.00	0.00	
1,300.0	6.42	247.78	1,298.8	3,313.37	-10.1	-24.8	-24.4	0.00	0.00	0.00	
1,400.0	6.42	247.78	1,398.2	3,213.99	-14.4	-35.2	-34.6	0.00	0.00	0.00	
1,500.0	6.42	247.78	1,497.6	3,114.62	-18.6	-45.5	-44.8	0.00	0.00	0.00	
1,600.0	6.42	247.78	1,597.0	3,015.25	-22.8	-55.9	-55.0	0.00	0.00	0.00	
1,700.0	6.42	247.78	1,696.3	2,915.88	-27.1	-66.2	-65.2	0.00	0.00	0.00	
1,800.0	6.42	247.78	1,795.7	2,816.50	-31.3	-76.6	-75.4	0.00	0.00	0.00	
1,900.0	6.42	247.78	1,895.1	2,717.13	-35.5	-86.9	-85.6	0.00	0.00	0.00	
2,000.0	6.42	247.78	1,994.4	2,617.76	-39.7	-97.3	-95.8	0.00	0.00	0.00	
2,100.0	6.42	247.78	2,093.8	2,518.38	-44.0	-107.6	-106.0	0.00	0.00	0.00	
2,200.0	6.42	247.78	2,193.2	2,419.01	-48.2	-118.0	-116.2	0.00	0.00	0.00	
2,300.0	6.42	247.78	2,292.6	2,319.64	-52.4	-128.3	-126.4	0.00	0.00	0.00	
2,400.0	6.42	247.78	2,391.9	2,220.27	-56.7	-138.7	-136.6	0.00	0.00	0.00	
2,500.0	6.42	247.78	2,491.3	2,120.89	-60.9	-149.0	-146.8	0.00	0.00	0.00	
2,600.0	6.42	247.78	2,590.7	2,021.52	-65.1	-159.4	-157.0	0.00	0.00	0.00	
2,700.0	6.42	247.78	2,690.1	1,922.15	-69.3	-169.7	-167.2	0.00	0.00	0.00	
2,800.0	6.42	247.78	2,789.4	1,822.77	-73.6	-180.1	-177.3	0.00	0.00	0.00	
2,900.0	6.42	247.78	2,888.8	1,723.40	-77.8	-190.4	-187.5	0.00	0.00	0.00	
3,000.0	6.42	247.78	2,988.2	1,624.03	-82.0	-200.8	-197.7	0.00	0.00	0.00	
3,100.0	6.42	247.78	3,087.5	1,524.66	-86.3	-211.1	-207.9	0.00	0.00	0.00	
3,200.0	6.42	247.78	3,186.9	1,425.28	-90.5	-221.5	-218.1	0.00	0.00	0.00	
3,300.0	6.42	247.78	3,286.3	1,325.91	-94.7	-231.8	-228.3	0.00	0.00	0.00	
3,400.0	6.42	247.78	3,385.7	1,226.54	-99.0	-242.2	-238.5	0.00	0.00	0.00	
3,500.0	6.42	247.78	3,485.0	1,127.16	-103.2	-252.5	-248.7	0.00	0.00	0.00	
3,600.0	6.42	247.78	3,584.4	1,027.79	-107.4	-262.9	-258.9	0.00	0.00	0.00	
3,700.0	6.42	247.78	3,683.8	928.42	-111.6	-273.2	-269.1	0.00	0.00	0.00	
3,800.0	6.42	247.78	3,783.2	829.05	-115.9	-283.6	-279.3	0.00	0.00	0.00	
3,900.0	6.42	247.78	3,882.5	729.67	-120.1	-293.9	-289.5	0.00	0.00	0.00	
4,000.0	6.42	247.78	3,981.9	630.30	-124.3	-304.3	-299.7	0.00	0.00	0.00	
4,100.0	6.42	247.78	4,081.3	530.93	-128.6	-314.6	-309.9	0.00	0.00	0.00	
4,200.0	6.42	247.78	4,180.6	431.55	-132.8	-325.0	-320.1	0.00	0.00	0.00	
4,300.0	6.42	247.78	4,280.0	332.18	-137.0	-335.4	-330.3	0.00	0.00	0.00	
4,400.0	6.42	247.78	4,379.4	232.81	-141.2	-345.7	-340.5	0.00	0.00	0.00	
4,500.0	6.42	247.78	4,478.8	133.44	-145.5	-356.1	-350.6	0.00	0.00	0.00	
4,600.0	6.42	247.78	4,578.1	34.06	-149.7	-366.4	-360.8	0.00	0.00	0.00	
4,700.0	6.42	247.78	4,677.5	-65.31	-153.9	-376.8	-371.0	0.00	0.00	0.00	
4,800.0	6.42	247.78	4,776.9	-164.68	-158.2	-387.1	-381.2	0.00	0.00	0.00	
4,900.0	6.42	247.78	4,876.3	-264.06	-162.4	-397.5	-391.4	0.00	0.00	0.00	
5,000.0	6.42	247.78	4,975.6	-363.43	-166.6	-407.8	-401.6	0.00	0.00	0.00	
5,100.0	6.42	247.78	5,075.0	-462.80	-170.8	-418.2	-411.8	0.00	0.00	0.00	
<b>END OF TANGENT</b>											
5,184.1	6.42	247.78	5,158.6	-546.36	-174.4	-426.9	-420.4	0.00	0.00	0.00	
5,200.0	6.10	247.78	5,174.4	-562.18	-175.1	-428.5	-422.0	2.00	-2.00	0.00	
5,300.0	4.10	247.78	5,274.0	-661.78	-178.4	-436.7	-430.1	2.00	-2.00	0.00	



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN D14-X44-28HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Site:</b>	SW SW SEC. 28 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN D14-X44-28HNB	<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)	
5,400.0	2.10	247.78	5,373.8	-761.63	-180.5	-441.7	-435.0	2.00	-2.00	0.00	
5,500.0	0.10	247.78	5,473.8	-861.60	-181.2	-443.5	-436.8	2.00	-2.00	0.00	
<b>EOD TO VERTICAL</b>											
<b>5,505.1</b>	<b>0.00</b>	<b>0.00</b>	<b>5,478.9</b>	<b>-866.70</b>	<b>-181.2</b>	<b>-443.5</b>	<b>-436.8</b>	<b>2.00</b>	<b>-2.00</b>	<b>0.00</b>	
<b>KOP (12°/100ft BUR)</b>											
<b>5,535.1</b>	<b>0.00</b>	<b>0.00</b>	<b>5,508.9</b>	<b>-896.70</b>	<b>-181.2</b>	<b>-443.5</b>	<b>-436.8</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
5,600.0	7.79	89.70	5,573.6	-961.40	-181.2	-439.1	-432.4	12.00	12.00	0.00	
5,700.0	19.79	89.70	5,670.5	-1,058.34	-181.1	-415.3	-408.6	12.00	12.00	0.00	
5,800.0	31.79	89.70	5,760.4	-1,148.22	-180.8	-371.9	-365.2	12.00	12.00	0.00	
5,900.0	43.79	89.70	5,839.3	-1,227.10	-180.5	-310.7	-304.1	12.00	12.00	0.00	
6,000.0	55.79	89.70	5,903.7	-1,291.55	-180.1	-234.5	-227.9	12.00	12.00	0.00	
6,100.0	67.79	89.70	5,950.9	-1,338.73	-179.6	-146.5	-140.0	12.00	12.00	0.00	
<b>START OF TANGENT</b>											
<b>6,160.1</b>	<b>75.00</b>	<b>89.70</b>	<b>5,970.1</b>	<b>-1,357.90</b>	<b>-179.3</b>	<b>-89.6</b>	<b>-83.2</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>	
6,200.0	75.00	89.70	5,980.4	-1,368.22	-179.1	-51.1	-44.7	0.00	0.00	0.00	
<b>END OF TANGENT</b>											
<b>6,260.1</b>	<b>75.00</b>	<b>89.70</b>	<b>5,996.0</b>	<b>-1,383.78</b>	<b>-178.8</b>	<b>7.0</b>	<b>13.3</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
6,300.0	79.79	89.70	6,004.7	-1,392.48	-178.6	45.9	52.2	12.00	12.00	0.00	
<b>7" ICP *NEW* - PRONGHORN D14-X44-28HNB</b>											
<b>6,385.1</b>	<b>90.00</b>	<b>89.70</b>	<b>6,012.2</b>	<b>-1,400.05</b>	<b>-178.2</b>	<b>130.5</b>	<b>136.8</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>	
6,400.0	90.00	89.70	6,012.2	-1,400.05	-178.1	145.5	151.7	0.00	0.00	0.00	
6,500.0	90.00	89.70	6,012.2	-1,400.05	-177.6	245.5	251.6	0.00	0.00	0.00	
6,600.0	90.00	89.70	6,012.2	-1,400.05	-177.1	345.4	351.5	0.00	0.00	0.00	
6,700.0	90.00	89.70	6,012.2	-1,400.05	-176.5	445.4	451.5	0.00	0.00	0.00	
6,800.0	90.00	89.70	6,012.2	-1,400.05	-176.0	545.4	551.4	0.00	0.00	0.00	
6,900.0	90.00	89.70	6,012.2	-1,400.05	-175.5	645.4	651.3	0.00	0.00	0.00	
7,000.0	90.00	89.70	6,012.2	-1,400.05	-175.0	745.4	751.2	0.00	0.00	0.00	
7,100.0	90.00	89.70	6,012.2	-1,400.05	-174.5	845.4	851.1	0.00	0.00	0.00	
7,200.0	90.00	89.70	6,012.2	-1,400.05	-173.9	945.4	951.0	0.00	0.00	0.00	
7,300.0	90.00	89.70	6,012.2	-1,400.04	-173.4	1,045.4	1,051.0	0.00	0.00	0.00	
7,400.0	90.00	89.70	6,012.2	-1,400.04	-172.9	1,145.4	1,150.9	0.00	0.00	0.00	
7,500.0	90.00	89.70	6,012.2	-1,400.04	-172.4	1,245.4	1,250.8	0.00	0.00	0.00	
7,600.0	90.00	89.70	6,012.2	-1,400.04	-171.9	1,345.4	1,350.7	0.00	0.00	0.00	
7,700.0	90.00	89.70	6,012.2	-1,400.04	-171.3	1,445.4	1,450.6	0.00	0.00	0.00	
7,800.0	90.00	89.70	6,012.2	-1,400.04	-170.8	1,545.4	1,550.5	0.00	0.00	0.00	
7,900.0	90.00	89.70	6,012.2	-1,400.04	-170.3	1,645.4	1,650.5	0.00	0.00	0.00	
8,000.0	90.00	89.70	6,012.2	-1,400.04	-169.8	1,745.4	1,750.4	0.00	0.00	0.00	
8,100.0	90.00	89.70	6,012.2	-1,400.04	-169.3	1,845.4	1,850.3	0.00	0.00	0.00	
8,200.0	90.00	89.70	6,012.2	-1,400.04	-168.8	1,945.4	1,950.2	0.00	0.00	0.00	
8,300.0	90.00	89.70	6,012.2	-1,400.04	-168.2	2,045.4	2,050.1	0.00	0.00	0.00	
8,400.0	90.00	89.70	6,012.2	-1,400.04	-167.7	2,145.4	2,150.0	0.00	0.00	0.00	
8,500.0	90.00	89.70	6,012.2	-1,400.04	-167.2	2,245.4	2,250.0	0.00	0.00	0.00	
8,600.0	90.00	89.70	6,012.2	-1,400.03	-166.7	2,345.4	2,349.9	0.00	0.00	0.00	
8,700.0	90.00	89.70	6,012.2	-1,400.03	-166.2	2,445.4	2,449.8	0.00	0.00	0.00	
8,800.0	90.00	89.71	6,012.2	-1,400.03	-165.7	2,545.4	2,549.7	0.00	0.00	0.00	
8,900.0	90.00	89.71	6,012.2	-1,400.03	-165.1	2,645.4	2,649.6	0.00	0.00	0.00	
9,000.0	90.00	89.71	6,012.2	-1,400.03	-164.6	2,745.4	2,749.5	0.00	0.00	0.00	
9,100.0	90.00	89.71	6,012.2	-1,400.03	-164.1	2,845.4	2,849.5	0.00	0.00	0.00	
9,200.0	90.00	89.71	6,012.2	-1,400.03	-163.6	2,945.4	2,949.4	0.00	0.00	0.00	
9,300.0	90.00	89.71	6,012.2	-1,400.02	-163.1	3,045.4	3,049.3	0.00	0.00	0.00	
9,400.0	90.00	89.71	6,012.2	-1,400.02	-162.6	3,145.4	3,149.2	0.00	0.00	0.00	
9,500.0	90.00	89.71	6,012.2	-1,400.02	-162.1	3,245.4	3,249.1	0.00	0.00	0.00	
9,600.0	90.00	89.71	6,012.2	-1,400.02	-161.5	3,345.4	3,349.0	0.00	0.00	0.00	
9,700.0	90.00	89.71	6,012.2	-1,400.02	-161.0	3,445.4	3,449.0	0.00	0.00	0.00	
9,800.0	90.00	89.71	6,012.2	-1,400.02	-160.5	3,545.4	3,548.9	0.00	0.00	0.00	
9,900.0	90.00	89.71	6,012.2	-1,400.01	-160.0	3,645.4	3,648.8	0.00	0.00	0.00	
10,000.0	90.00	89.71	6,012.2	-1,400.01	-159.5	3,745.4	3,748.7	0.00	0.00	0.00	
10,100.0	90.00	89.71	6,012.2	-1,400.01	-159.0	3,845.4	3,848.6	0.00	0.00	0.00	
10,200.0	90.00	89.71	6,012.2	-1,400.01	-158.5	3,945.4	3,948.5	0.00	0.00	0.00	



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN D14-X44-28HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4612.2usft (Original Well Elev)
<b>Site:</b>	SW SW SEC. 28 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN D14-X44-28HNB	<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)
10,300.0	90.00	89.71	6,012.2	-1,400.01	-158.0	4,045.4	4,048.5	0.00	0.00	0.00
10,400.0	90.00	89.71	6,012.2	-1,400.01	-157.5	4,145.4	4,148.4	0.00	0.00	0.00
10,500.0	90.00	89.71	6,012.2	-1,400.00	-157.0	4,245.4	4,248.3	0.00	0.00	0.00
10,600.0	90.00	89.71	6,012.2	-1,400.00	-156.4	4,345.4	4,348.2	0.00	0.00	0.00
<b>BHL - PRONGHORN D14-X44-28HNB</b>										
<b>10,637.9</b>	<b>90.00</b>	<b>89.71</b>	<b>6,012.2</b>	<b>-1,400.00</b>	<b>-156.3</b>	<b>4,383.3</b>	<b>4,386.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

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°/100ft BUR)	
1,221.0	1,220.3	-6.8	-16.6	EOB TO 6.42° INC	
5,184.1	5,158.6	-174.4	-426.9	END OF TANGENT	
5,505.1	5,478.9	-181.2	-443.5	EOD TO VERTICAL	
5,535.1	5,508.9	-181.2	-443.5	KOP (12°/100ft BUR)	
6,160.1	5,970.1	-179.3	-89.6	START OF TANGENT	
6,260.1	5,996.0	-178.8	7.0	END OF TANGENT	
6,385.1	6,012.2	-178.2	130.5	7" ICP *NEW* - PRONGHORN D14-X44-28HNB	
10,637.9	6,012.2	-156.3	4,383.3	BHL - PRONGHORN D14-X44-28HNB	