

# **BONANZA CREEK ENERGY INC.**

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

**NW NW SEC. 22 T5N R61W 6th P.M.**

**PRONGHORN F11-J14-22HNC**

**ORIGINAL WELLBORE**

**18 August, 2015**

**Plan: PROPOSAL #2**





Project: WELD COUNTY, COLORADO (NAD 83)  
Site: NW NW SEC. 22 T5N R61W 6th P.M.  
Well: PRONGHORN F11-J14-22HNC  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #2

ANNOTATIONS

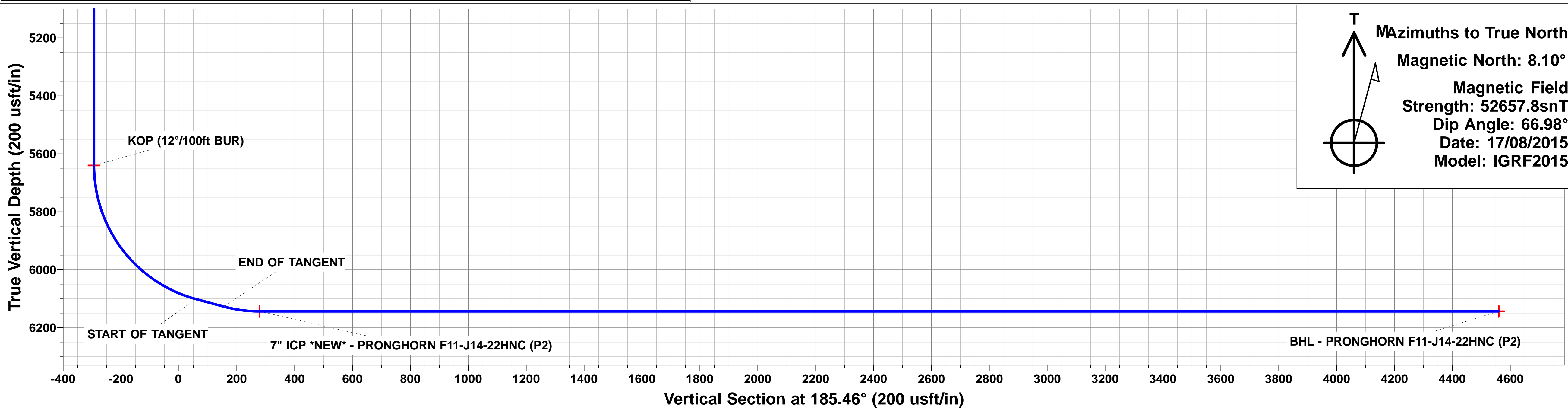
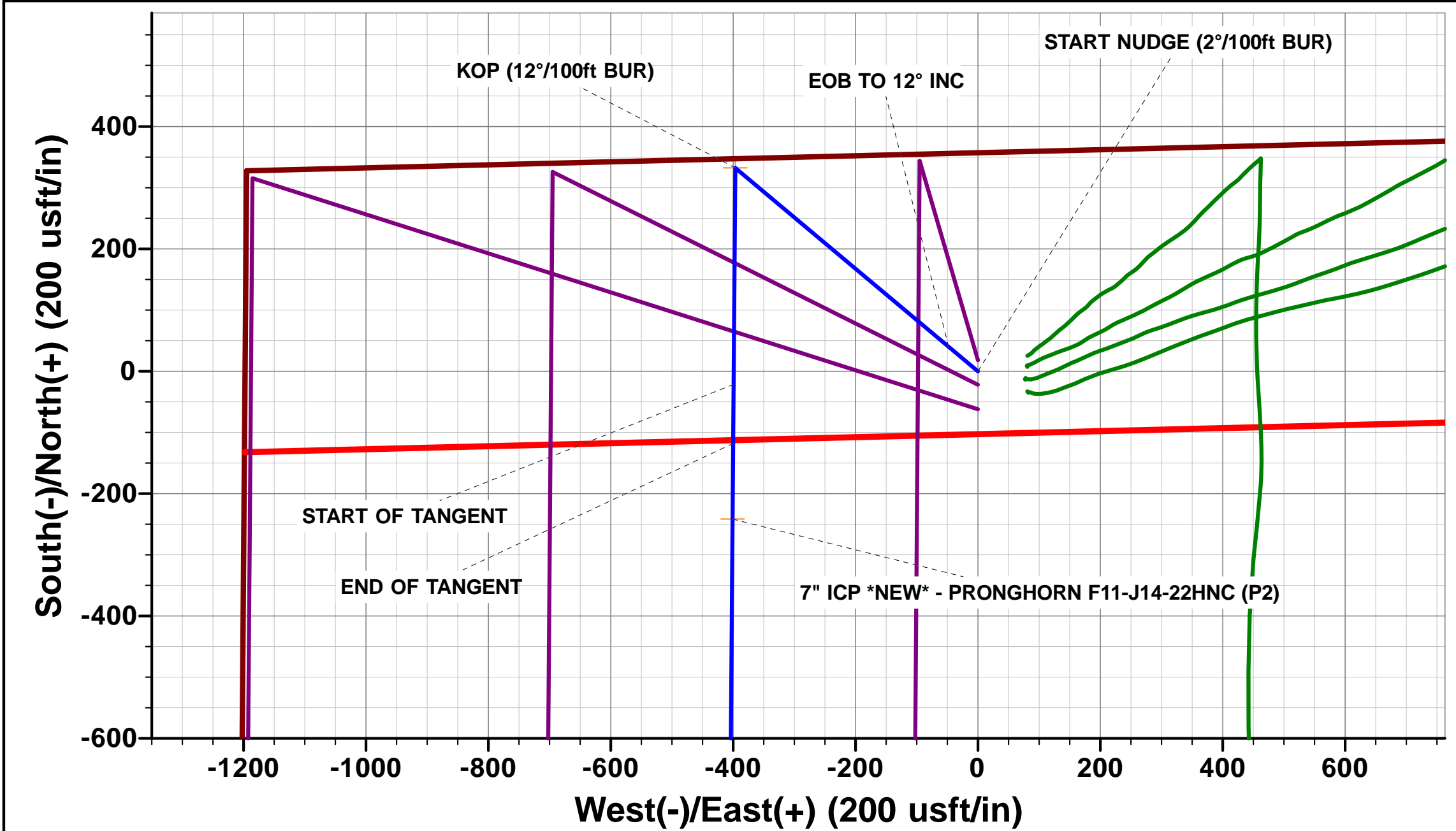
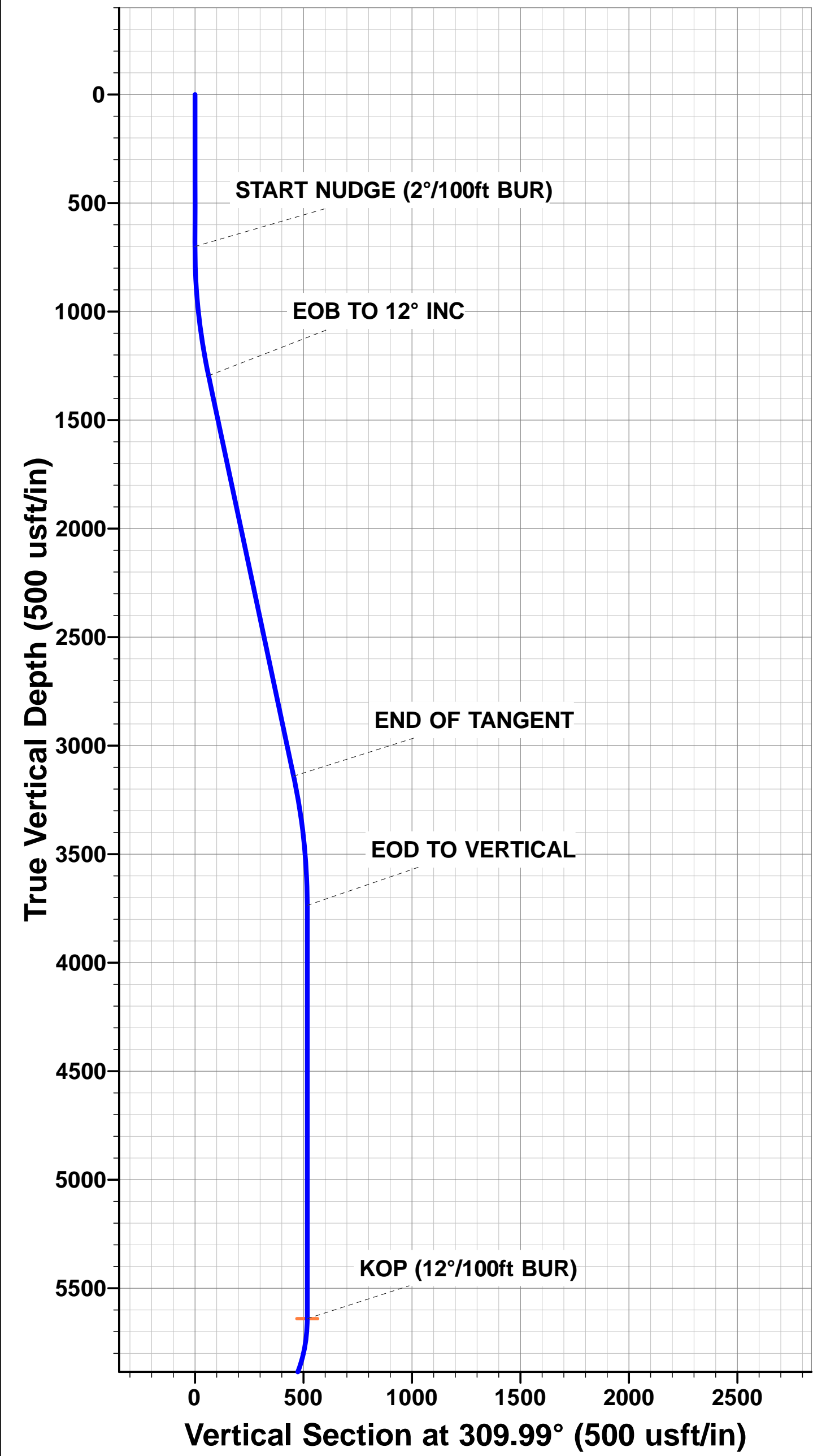
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
700.0	700.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1295.8	1300.2	12.00	309.99	40.3	-48.0	-35.5	62.6	EOB TO 12° INC
3140.6	3186.2	12.00	309.99	292.3	-348.5	-257.9	454.9	END OF TANGENT
3736.4	3786.4	0.00	0.00	332.6	-396.5	-293.4	517.5	EOD TO VERTICAL
5640.4	5690.4	0.00	0.00	332.6	-396.5	-293.4	517.5	KOP (12°/100ft BUR)
6101.6	6315.4	75.00	180.44	-21.3	-399.2	59.2	871.4	START OF TANGENT
6127.5	6415.4	75.00	180.44	-117.9	-400.0	155.4	968.0	END OF TANGENT
6143.7	6540.4	90.00	180.44	-241.4	-400.9	278.5	1091.6	7" ICP *NEW* - PRONGHORN F11-J14-22HNC (P2)
6143.7	10838.5	90.00	180.44	-4539.4	-433.9	4560.1	5389.7	BHL - PRONGHORN F11-J14-22HNC (P2)

LOCAL COORDINATES:

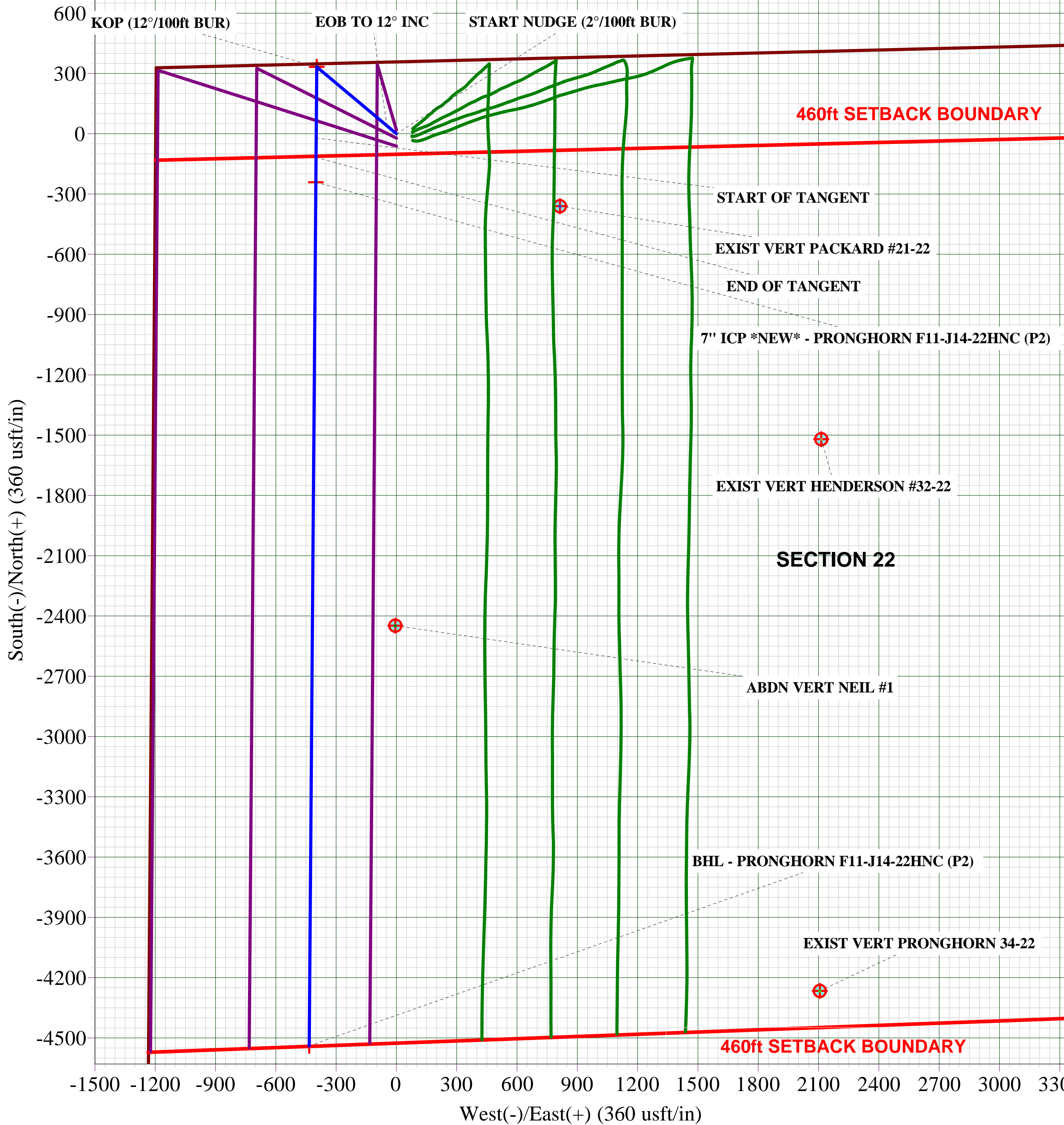
SHL: 359ft FNL & 1199ft FWL Sec 22  
7" ICP \*NEW\*: ft 589ft FNL & 800ft FWL Sec 22  
BHL: 470ft FSL & 800ft FWL Sec 22

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - PRONGHORN F11-J14-22HNC (P2)	5640.4	332.6	-396.5	40.393593	-104.201563
BHL - PRONGHORN F11-J14-22HNC (P2)	6143.7	-4539.4	-433.9	40.380220	-104.201697
7" ICP *NEW* - PRONGHORN F11-J14-22HNC (P2)	6143.7	-241.4	-400.9	40.392017	-104.201579



MAzimuths to True North  
Magnetic North: 8.10°  
Magnetic Field  
Strength: 52657.8snT  
Dip Angle: 66.98°  
Date: 17/08/2015  
Model: IGRF2015



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN F11-J14-22HNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4678.7usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4678.7usft
<b>Site:</b>	NW NW SEC. 22 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN F11-J14-22HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

<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>	NW NW SEC. 22 T5N R61W 6th P.M.		
<b>Site Position:</b>		<b>Northing:</b>	1,388,515.79 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,362,131.84 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000ft
		<b>Latitude:</b>	40.392590
		<b>Longitude:</b>	-104.199850
		<b>Grid Convergence:</b>	0.84 °

<b>Well</b>	PRONGHORN F11-J14-22HNC		
<b>Well Position</b>	<b>+N-S</b>	32.8 usft	<b>Northing:</b>
	<b>+E-W</b>	-80.8 usft	<b>Easting:</b>
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>
			<b>Latitude:</b>
			<b>Longitude:</b>
			<b>Ground Level:</b>

<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>
	IGRF2015	17/08/2015	8.10	66.98	52,658

<b>Design</b>	PROPOSAL #2			
<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>
	0.0	0.0	0.0	185.46

<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	-4,678.7	0.0	0.0	0.00	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	-3,978.7	0.0	0.0	0.00	0.00	0.00	0.00	
1,300.2	12.00	309.99	1,295.8	-3,382.9	40.3	-48.0	2.00	2.00	0.00	309.99	
3,186.2	12.00	309.99	3,140.6	-1,538.1	292.3	-348.5	0.00	0.00	0.00	0.00	
3,786.4	0.00	0.00	3,736.4	-942.3	332.6	-396.5	2.00	-2.00	0.00	180.00	
5,690.4	0.00	0.00	5,640.4	961.7	332.6	-396.5	0.00	0.00	0.00	0.00	KOP - PRONGHOF
6,315.4	75.00	180.44	6,101.6	1,422.9	-21.3	-399.2	12.00	12.00	0.00	180.44	
6,415.4	75.00	180.44	6,127.5	1,448.8	-117.9	-400.0	0.00	0.00	0.00	0.00	
6,540.4	90.00	180.44	6,143.7	1,465.0	-241.4	-400.9	12.00	12.00	0.00	0.00	
10,838.5	90.00	180.44	6,143.7	1,465.0	-4,539.4	-433.9	0.00	0.00	0.00	0.00	BHL - PRONGHOR

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN F11-J14-22HNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4678.7usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4678.7usft
<b>Site:</b>	NW NW SEC. 22 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN F11-J14-22HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

## 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	4,678.70	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,578.70	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,478.70	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,378.70	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,278.70	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,178.70	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,078.70	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (2°/100ft BUR)</b>										
700.0	0.00	0.00	700.0	3,978.70	0.0	0.0	0.0	0.00	0.00	0.00
800.0	2.00	309.99	800.0	3,878.72	1.1	-1.3	-1.0	2.00	2.00	0.00
900.0	4.00	309.99	899.8	3,778.86	4.5	-5.3	-4.0	2.00	2.00	0.00
1,000.0	6.00	309.99	999.5	3,679.25	10.1	-12.0	-8.9	2.00	2.00	0.00
1,100.0	8.00	309.99	1,098.7	3,580.00	17.9	-21.4	-15.8	2.00	2.00	0.00
1,200.0	10.00	309.99	1,197.5	3,481.23	28.0	-33.3	-24.7	2.00	2.00	0.00
1,300.0	12.00	309.99	1,295.6	3,383.08	40.2	-48.0	-35.5	2.00	2.00	0.00
<b>EOB TO 12° INC</b>										
1,300.2	12.00	309.99	1,295.8	3,382.88	40.3	-48.0	-35.5	1.87	1.87	0.00
1,400.0	12.00	309.99	1,393.4	3,285.26	53.6	-63.9	-47.3	0.00	0.00	0.00
1,500.0	12.00	309.99	1,491.2	3,187.45	67.0	-79.8	-59.1	0.00	0.00	0.00
1,600.0	12.00	309.99	1,589.1	3,089.64	80.3	-95.8	-70.9	0.00	0.00	0.00
1,700.0	12.00	309.99	1,686.9	2,991.82	93.7	-111.7	-82.6	0.00	0.00	0.00
1,800.0	12.00	309.99	1,784.7	2,894.01	107.1	-127.6	-94.4	0.00	0.00	0.00
1,900.0	12.00	309.99	1,882.5	2,796.20	120.4	-143.6	-106.2	0.00	0.00	0.00
2,000.0	12.00	309.99	1,980.3	2,698.38	133.8	-159.5	-118.0	0.00	0.00	0.00
2,100.0	12.00	309.99	2,078.1	2,600.57	147.2	-175.4	-129.8	0.00	0.00	0.00
2,200.0	12.00	309.99	2,175.9	2,502.76	160.5	-191.4	-141.6	0.00	0.00	0.00
2,300.0	12.00	309.99	2,273.8	2,404.94	173.9	-207.3	-153.4	0.00	0.00	0.00
2,400.0	12.00	309.99	2,371.6	2,307.13	187.3	-223.2	-165.2	0.00	0.00	0.00
2,500.0	12.00	309.99	2,469.4	2,209.32	200.6	-239.2	-177.0	0.00	0.00	0.00
2,600.0	12.00	309.99	2,567.2	2,111.50	214.0	-255.1	-188.7	0.00	0.00	0.00
2,700.0	12.00	309.99	2,665.0	2,013.69	227.4	-271.0	-200.5	0.00	0.00	0.00
2,800.0	12.00	309.99	2,762.8	1,915.88	240.7	-287.0	-212.3	0.00	0.00	0.00
2,900.0	12.00	309.99	2,860.6	1,818.06	254.1	-302.9	-224.1	0.00	0.00	0.00
3,000.0	12.00	309.99	2,958.5	1,720.25	267.5	-318.8	-235.9	0.00	0.00	0.00
3,100.0	12.00	309.99	3,056.3	1,622.44	280.8	-334.8	-247.7	0.00	0.00	0.00
<b>END OF TANGENT</b>										
3,186.2	12.00	309.99	3,140.6	1,538.12	292.3	-348.5	-257.9	0.00	0.00	0.00
3,200.0	11.73	309.99	3,154.1	1,524.62	294.2	-350.7	-259.5	2.00	-2.00	0.00
3,300.0	9.73	309.99	3,252.3	1,426.37	306.1	-364.9	-270.0	2.00	-2.00	0.00
3,400.0	7.73	309.99	3,351.2	1,327.53	315.9	-376.6	-278.6	2.00	-2.00	0.00
3,500.0	5.73	309.99	3,450.5	1,228.22	323.4	-385.5	-285.3	2.00	-2.00	0.00
3,600.0	3.73	309.99	3,550.1	1,128.57	328.7	-391.9	-289.9	2.00	-2.00	0.00
3,700.0	1.73	309.99	3,650.0	1,028.69	331.8	-395.5	-292.6	2.00	-2.00	0.00
<b>EOD TO VERTICAL</b>										
3,786.4	0.00	0.00	3,736.4	942.30	332.6	-396.5	-293.4	2.00	-2.00	57.88
3,800.0	0.00	0.00	3,750.0	928.70	332.6	-396.5	-293.4	0.00	0.00	0.00
3,900.0	0.00	0.00	3,850.0	828.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,000.0	0.00	0.00	3,950.0	728.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,100.0	0.00	0.00	4,050.0	628.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,200.0	0.00	0.00	4,150.0	528.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,300.0	0.00	0.00	4,250.0	428.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,400.0	0.00	0.00	4,350.0	328.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,500.0	0.00	0.00	4,450.0	228.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,600.0	0.00	0.00	4,550.0	128.70	332.6	-396.5	-293.4	0.00	0.00	0.00

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<b>Site:</b>	NW NW SEC. 22 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN F11-J14-22HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

## 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)
4,700.0	0.00	0.00	4,650.0	28.70	332.6	-396.5	-293.4	0.00	0.00	0.00
4,800.0	0.00	0.00	4,750.0	-71.30	332.6	-396.5	-293.4	0.00	0.00	0.00
4,900.0	0.00	0.00	4,850.0	-171.30	332.6	-396.5	-293.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,950.0	-271.30	332.6	-396.5	-293.4	0.00	0.00	0.00
5,100.0	0.00	0.00	5,050.0	-371.30	332.6	-396.5	-293.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,150.0	-471.30	332.6	-396.5	-293.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,250.0	-571.30	332.6	-396.5	-293.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,350.0	-671.30	332.6	-396.5	-293.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,450.0	-771.30	332.6	-396.5	-293.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,550.0	-871.30	332.6	-396.5	-293.4	0.00	0.00	0.00
<b>KOP (12°/100ft BUR)</b>										
<b>5,690.4</b>	<b>0.00</b>	<b>0.00</b>	<b>5,640.4</b>	<b>-961.70</b>	<b>332.6</b>	<b>-396.5</b>	<b>-293.4</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
5,700.0	1.15	180.44	5,650.0	-971.30	332.5	-396.5	-293.3	12.00	12.00	0.00
5,800.0	13.15	180.44	5,749.0	-1,070.34	320.1	-396.6	-280.9	12.00	12.00	0.00
5,900.0	25.15	180.44	5,843.3	-1,164.63	287.3	-396.8	-248.3	12.00	12.00	0.00
6,000.0	37.15	180.44	5,928.8	-1,250.05	235.7	-397.2	-196.8	12.00	12.00	0.00
6,100.0	49.15	180.44	6,001.6	-1,322.88	167.4	-397.8	-128.8	12.00	12.00	0.00
6,200.0	61.15	180.44	6,058.6	-1,379.91	85.5	-398.4	-47.2	12.00	12.00	0.00
6,300.0	73.15	180.44	6,097.4	-1,418.67	-6.5	-399.1	44.4	12.00	12.00	0.00
<b>START OF TANGENT</b>										
<b>6,315.4</b>	<b>75.00</b>	<b>180.44</b>	<b>6,101.6</b>	<b>-1,422.90</b>	<b>-21.3</b>	<b>-399.2</b>	<b>59.2</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
6,400.0	75.00	180.44	6,123.5	-1,444.79	-103.0	-399.8	140.6	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>6,415.4</b>	<b>75.00</b>	<b>180.44</b>	<b>6,127.5</b>	<b>-1,448.78</b>	<b>-117.9</b>	<b>-400.0</b>	<b>155.4</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,500.0	85.15	180.44	6,142.0	-1,463.34	-201.1	-400.6	238.3	12.00	12.00	0.00
<b>7" ICP *NEW* - PRONGHORN F11-J14-22HNC (P2)</b>										
<b>6,540.4</b>	<b>90.00</b>	<b>180.44</b>	<b>6,143.7</b>	<b>-1,465.05</b>	<b>-241.4</b>	<b>-400.9</b>	<b>278.5</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
6,600.0	90.00	180.44	6,143.7	-1,465.05	-301.0	-401.4	337.9	0.00	0.00	0.00
6,700.0	90.00	180.44	6,143.7	-1,465.05	-401.0	-402.1	437.5	0.00	0.00	0.00
6,800.0	90.00	180.44	6,143.7	-1,465.05	-501.0	-402.9	537.1	0.00	0.00	0.00
6,900.0	90.00	180.44	6,143.7	-1,465.05	-601.0	-403.7	636.7	0.00	0.00	0.00
7,000.0	90.00	180.44	6,143.7	-1,465.05	-701.0	-404.4	736.3	0.00	0.00	0.00
7,100.0	90.00	180.44	6,143.7	-1,465.05	-801.0	-405.2	835.9	0.00	0.00	0.00
7,200.0	90.00	180.44	6,143.7	-1,465.05	-901.0	-406.0	935.6	0.00	0.00	0.00
7,300.0	90.00	180.44	6,143.7	-1,465.05	-1,001.0	-406.7	1,035.2	0.00	0.00	0.00
7,400.0	90.00	180.44	6,143.7	-1,465.05	-1,101.0	-407.5	1,134.8	0.00	0.00	0.00
7,500.0	90.00	180.44	6,143.7	-1,465.05	-1,201.0	-408.3	1,234.4	0.00	0.00	0.00
7,600.0	90.00	180.44	6,143.7	-1,465.05	-1,301.0	-409.0	1,334.0	0.00	0.00	0.00
7,700.0	90.00	180.44	6,143.7	-1,465.05	-1,401.0	-409.8	1,433.6	0.00	0.00	0.00
7,800.0	90.00	180.44	6,143.7	-1,465.05	-1,501.0	-410.6	1,533.3	0.00	0.00	0.00
7,900.0	90.00	180.44	6,143.7	-1,465.05	-1,601.0	-411.3	1,632.9	0.00	0.00	0.00
8,000.0	90.00	180.44	6,143.7	-1,465.05	-1,701.0	-412.1	1,732.5	0.00	0.00	0.00
8,100.0	90.00	180.44	6,143.7	-1,465.05	-1,801.0	-412.9	1,832.1	0.00	0.00	0.00
8,200.0	90.00	180.44	6,143.7	-1,465.05	-1,901.0	-413.7	1,931.7	0.00	0.00	0.00
8,300.0	90.00	180.44	6,143.7	-1,465.05	-2,001.0	-414.4	2,031.3	0.00	0.00	0.00
8,400.0	90.00	180.44	6,143.7	-1,465.05	-2,101.0	-415.2	2,131.0	0.00	0.00	0.00
8,500.0	90.00	180.44	6,143.7	-1,465.05	-2,201.0	-416.0	2,230.6	0.00	0.00	0.00
8,600.0	90.00	180.44	6,143.7	-1,465.05	-2,301.0	-416.7	2,330.2	0.00	0.00	0.00
8,700.0	90.00	180.44	6,143.7	-1,465.05	-2,401.0	-417.5	2,429.8	0.00	0.00	0.00
8,800.0	90.00	180.44	6,143.7	-1,465.05	-2,501.0	-418.3	2,529.4	0.00	0.00	0.00
8,900.0	90.00	180.44	6,143.7	-1,465.05	-2,601.0	-419.0	2,629.0	0.00	0.00	0.00
9,000.0	90.00	180.44	6,143.7	-1,465.05	-2,701.0	-419.8	2,728.7	0.00	0.00	0.00
9,100.0	90.00	180.44	6,143.7	-1,465.05	-2,801.0	-420.6	2,828.3	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN F11-J14-22HNC
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4678.7usft
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4678.7usft
<b>Site:</b>	NW NW SEC. 22 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN F11-J14-22HNC	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #2		

## 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)
9,200.0	90.00	180.44	6,143.7	-1,465.05	-2,901.0	-421.3	2,927.9	0.00	0.00	0.00
9,300.0	90.00	180.44	6,143.7	-1,465.05	-3,001.0	-422.1	3,027.5	0.00	0.00	0.00
9,400.0	90.00	180.44	6,143.7	-1,465.05	-3,101.0	-422.9	3,127.1	0.00	0.00	0.00
9,500.0	90.00	180.44	6,143.7	-1,465.05	-3,200.9	-423.6	3,226.7	0.00	0.00	0.00
9,600.0	90.00	180.44	6,143.7	-1,465.05	-3,300.9	-424.4	3,326.4	0.00	0.00	0.00
9,700.0	90.00	180.44	6,143.7	-1,465.05	-3,400.9	-425.2	3,426.0	0.00	0.00	0.00
9,800.0	90.00	180.44	6,143.7	-1,465.05	-3,500.9	-425.9	3,525.6	0.00	0.00	0.00
9,900.0	90.00	180.44	6,143.7	-1,465.05	-3,600.9	-426.7	3,625.2	0.00	0.00	0.00
10,000.0	90.00	180.44	6,143.7	-1,465.05	-3,700.9	-427.5	3,724.8	0.00	0.00	0.00
10,100.0	90.00	180.44	6,143.7	-1,465.05	-3,800.9	-428.2	3,824.4	0.00	0.00	0.00
10,200.0	90.00	180.44	6,143.7	-1,465.05	-3,900.9	-429.0	3,924.0	0.00	0.00	0.00
10,300.0	90.00	180.44	6,143.7	-1,465.05	-4,000.9	-429.8	4,023.7	0.00	0.00	0.00
10,400.0	90.00	180.44	6,143.7	-1,465.05	-4,100.9	-430.5	4,123.3	0.00	0.00	0.00
10,500.0	90.00	180.44	6,143.7	-1,465.05	-4,200.9	-431.3	4,222.9	0.00	0.00	0.00
10,600.0	90.00	180.44	6,143.7	-1,465.05	-4,300.9	-432.1	4,322.5	0.00	0.00	0.00
10,700.0	90.00	180.44	6,143.7	-1,465.05	-4,400.9	-432.9	4,422.1	0.00	0.00	0.00
10,800.0	90.00	180.44	6,143.7	-1,465.05	-4,500.9	-433.6	4,521.7	0.00	0.00	0.00
<b>BHL - PRONGHORN F11-J14-22HNC (P2)</b>										
<b>10,838.5</b>	<b>90.00</b>	<b>180.44</b>	<b>6,143.7</b>	<b>-1,465.00</b>	<b>-4,539.4</b>	<b>-433.9</b>	<b>4,560.1</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)	
700.0	700.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,300.2	1,295.8	40.3	-48.0	EOB TO 12° INC
3,186.2	3,140.6	292.3	-348.5	END OF TANGENT
3,786.4	3,736.4	332.6	-396.5	EOD TO VERTICAL
5,690.4	5,640.4	332.6	-396.5	KOP (12°/100ft BUR)
6,315.4	6,101.6	-21.3	-399.2	START OF TANGENT
6,415.4	6,127.5	-117.9	-400.0	END OF TANGENT
6,540.4	6,143.7	-241.4	-400.9	7" ICP *NEW* - PRONGHORN F11-J14-22HNC (P2)
10,838.5	6,143.7	-4,539.4	-433.9	BHL - PRONGHORN F11-J14-22HNC (P2)