

# **BONANZA CREEK ENERGY INC.**

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

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

**PRONGHORN 11-14-22HNB**

**ORIGINAL WELLBORE**

**16 September, 2014**

**Plan: PROPOSAL #2**





Project: WELD COUNTY, COLORADO (NAD 83)  
Site: NW NW SEC. 22 T5N R61W 6th P.M.  
Well: PRONGHORN 11-14-22HNB  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #2

ANNOTATIONS

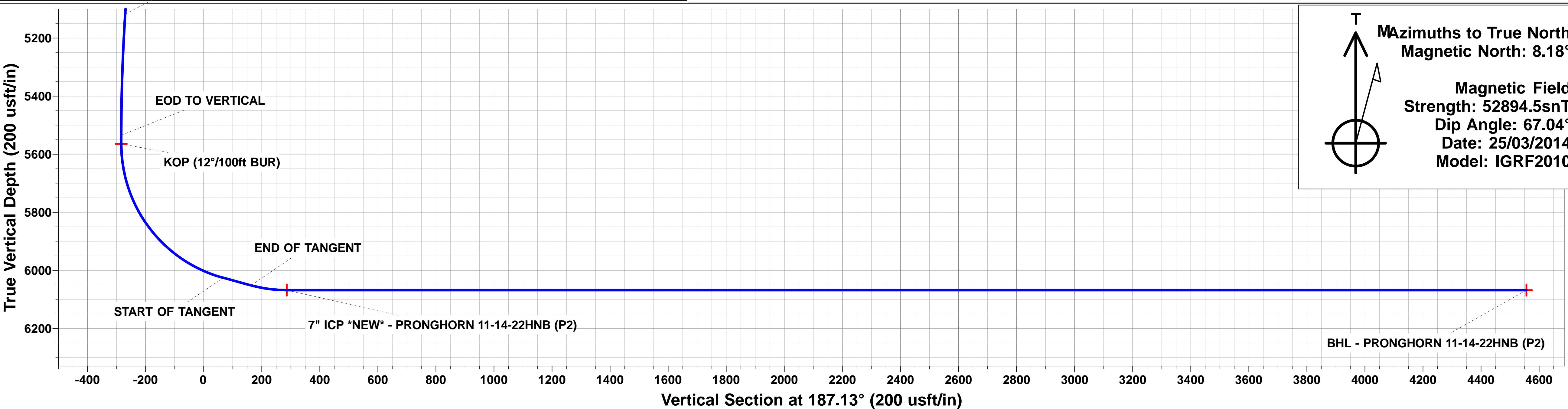
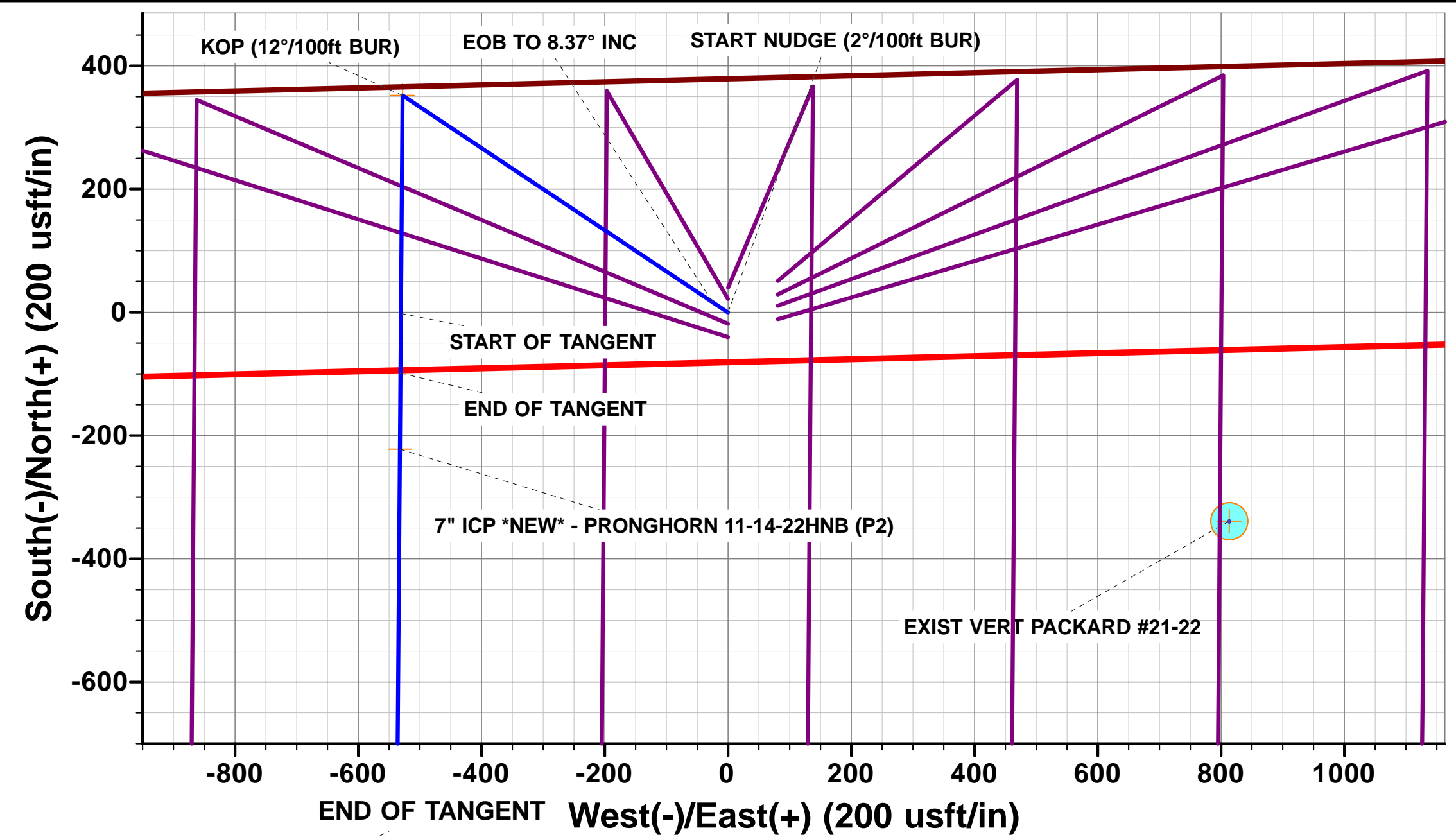
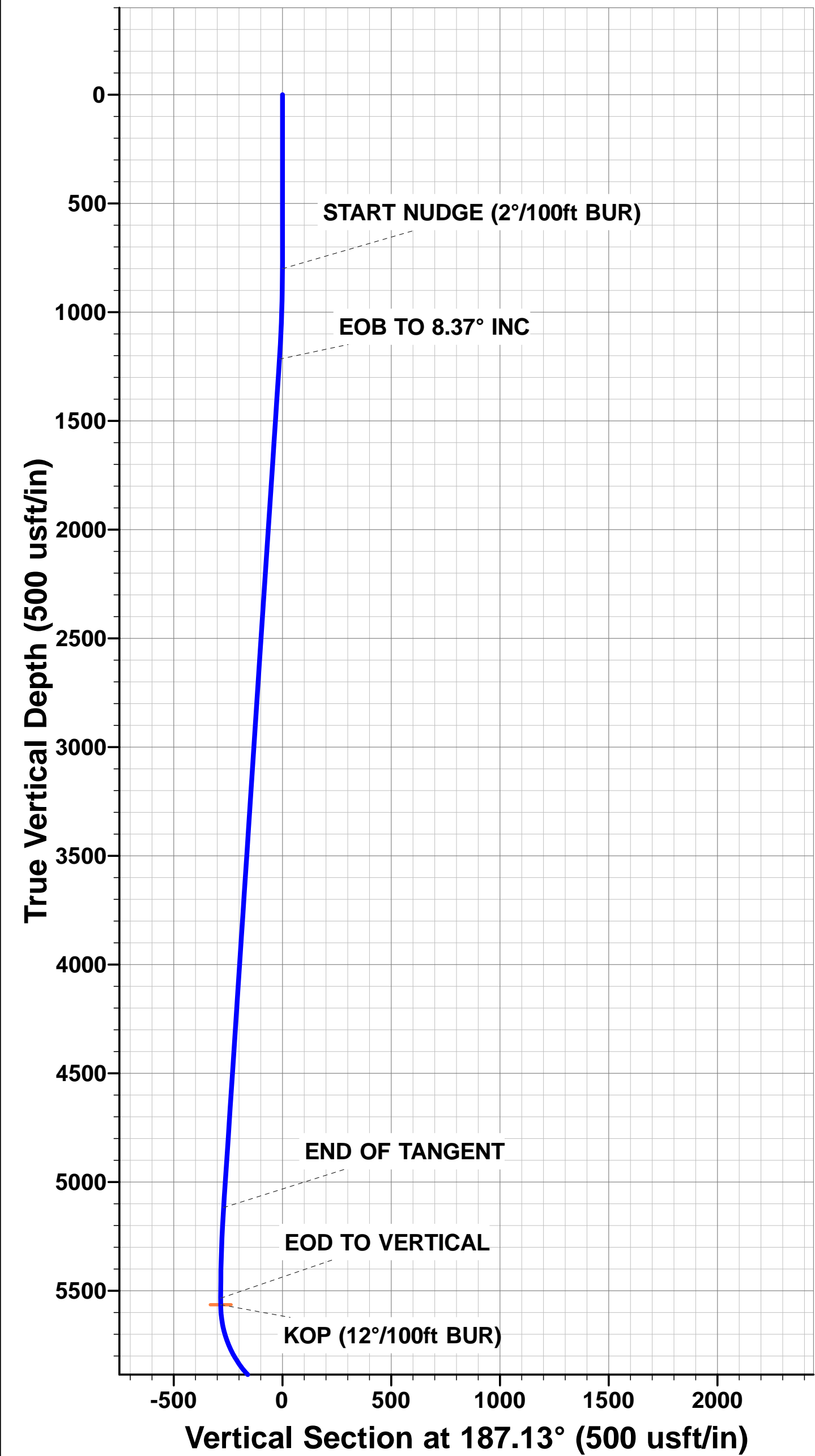
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Dep	Annotation
800.0	800.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1216.8	1218.3	8.37	303.70	16.9	-25.4	-13.6	30.5	EOB TO 8.37° INC
5117.9	5161.3	8.37	303.70	335.2	-502.6	-270.2	604.2	END OF TANGENT
5534.7	5579.6	0.00	0.00	352.1	-528.0	-283.8	634.6	EOD TO VERTICAL
5564.7	5609.6	0.00	0.00	352.1	-528.0	-283.8	634.6	KOP (12°/100ft BUR)
6025.9	6234.6	75.00	180.44	-1.8	-530.7	67.6	988.5	START OF TANGENT
6051.8	6334.6	75.00	180.44	-98.4	-531.5	163.6	1085.1	END OF TANGENT
6068.0	6459.6	90.00	180.44	-221.9	-532.4	286.3	1208.7	7" ICP *NEW* - PRONGHORN 11-14-22HNB (P2)
6068.0	10758.9	90.00	180.44	-4521.1	-565.6	4556.3	5508.0	BHL - PRONGHORN 11-14-22HNB (P2)

LOCAL COORDINATES:

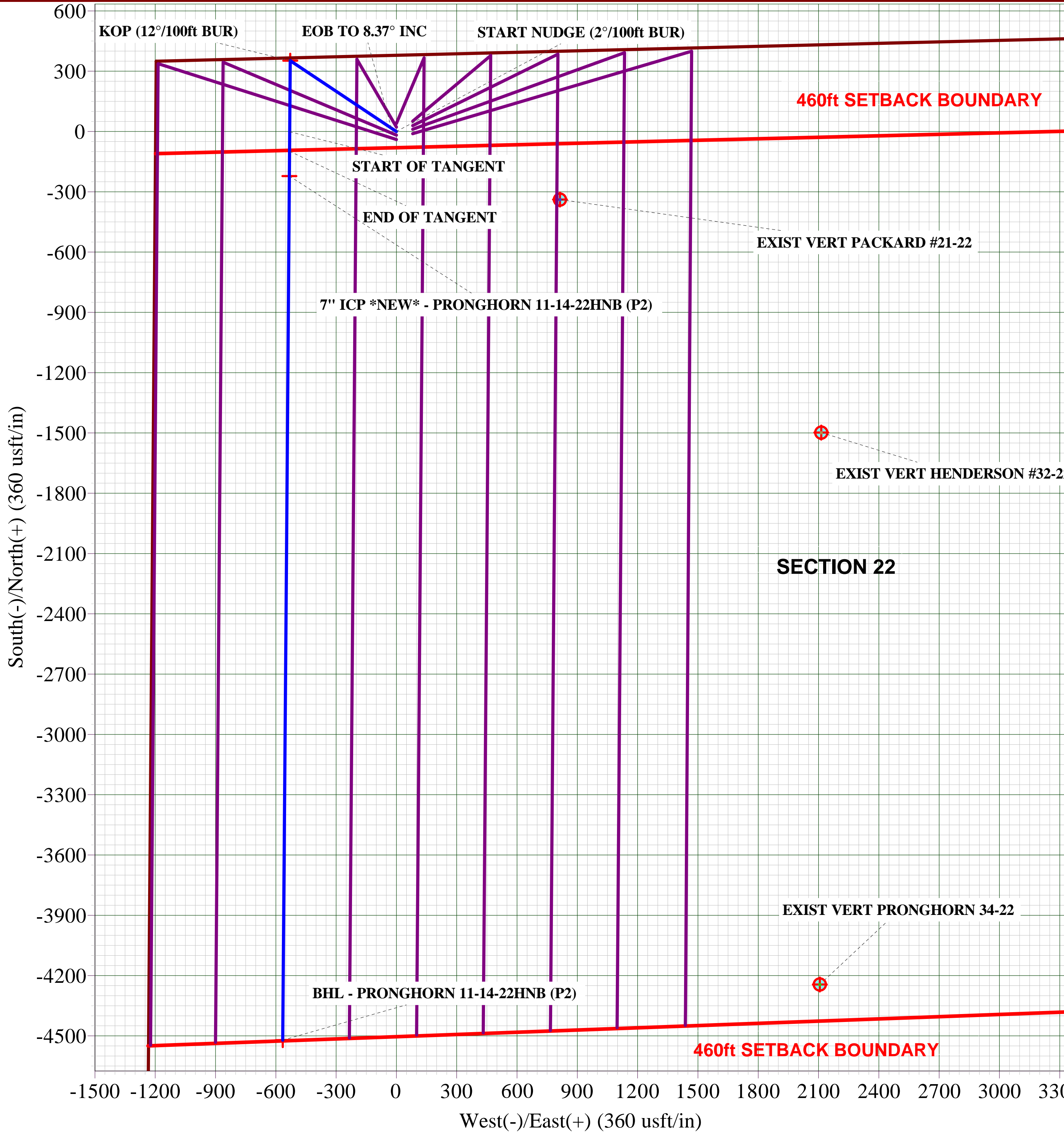
SHL: 379ft FNL & 1198ft FWL Sec 22  
7" ICP \*NEW\*: ft 589ft FNL & 667ft FWL Sec 22  
BHL: 470ft FSL & 667ft FWL Sec 22

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - PRONGHORN 11-14-22HNB (P2)	5564.7	352.1	-528.0	40.393586	-104.202036
BHL - PRONGHORN 11-14-22HNB (P2)	6068.0	-4521.1	-565.6	40.380210	-104.202170
7" ICP *NEW* - PRONGHORN 11-14-22HNB (P2)	6068.0	-221.9	-532.4	40.392011	-104.202051



Mazimuths to True North  
Magnetic North: 8.18°  
Magnetic Field  
Strength: 52894.5snT  
Dip Angle: 67.04°  
Date: 25/03/2014  
Model: IGRF2010



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN 11-14-22HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4678.0usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4678.0usft (Original Well Elev)
<b>Site:</b>	NW NW SEC. 22 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN 11-14-22HNB	<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 11-14-22HNB		
<b>Well Position</b>	<b>+N-S</b>	10.9 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>
			usft
			<b>Latitude:</b>
			40.392620
			<b>Longitude:</b>
			-104.200140
			<b>Ground Level:</b>
			4,661.0 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	25/03/2014	8.18	67.04	52,895

<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>
	6,068.0	0.0	0.0	187.13

<b>Plan Sections</b>											
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	-4,678.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	-3,878.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,218.3	8.37	303.70	1,216.8	-3,461.2	16.9	-25.4	2.00	2.00	0.00	303.70	
5,161.3	8.37	303.70	5,117.9	439.9	335.2	-502.6	0.00	0.00	0.00	0.00	
5,579.6	0.00	0.00	5,534.7	856.7	352.1	-528.0	2.00	-2.00	0.00	180.00	
5,609.6	0.00	0.00	5,564.7	886.7	352.1	-528.0	0.00	0.00	0.00	0.00	KOP - PRONGHOF
6,234.6	75.00	180.44	6,025.9	1,347.9	-1.8	-530.7	12.00	12.00	0.00	180.44	
6,334.6	75.00	180.44	6,051.8	1,373.8	-98.4	-531.5	0.00	0.00	0.00	0.00	
6,459.6	90.00	180.44	6,068.0	1,390.0	-221.9	-532.4	12.00	12.00	0.00	0.00	
10,758.9	90.00	180.44	6,068.0	1,390.0	-4,521.1	-565.6	0.00	0.00	0.00	71.50	BHL - PRONGHOR

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN 11-14-22HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4678.0usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4678.0usft (Original Well Elev)
<b>Site:</b>	NW NW SEC. 22 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN 11-14-22HNB	<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	4,678.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,578.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,478.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,378.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,278.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,178.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,078.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,978.00	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (2°/100ft BUR)</b>										
800.0	0.00	0.00	800.0	3,878.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	2.00	303.70	900.0	3,778.02	1.0	-1.5	-0.8	2.00	2.00	0.00
1,000.0	4.00	303.70	999.8	3,678.16	3.9	-5.8	-3.1	2.00	2.00	0.00
1,100.0	6.00	303.70	1,099.5	3,578.55	8.7	-13.1	-7.0	2.00	2.00	0.00
1,200.0	8.00	303.70	1,198.7	3,479.30	15.5	-23.2	-12.5	2.00	2.00	0.00
<b>EOB TO 8.37° INC</b>										
1,218.3	8.37	303.70	1,216.8	3,461.21	16.9	-25.4	-13.6	2.00	2.00	0.00
1,300.0	8.37	303.70	1,297.6	3,380.35	23.5	-35.3	-19.0	0.00	0.00	0.00
1,400.0	8.37	303.70	1,396.6	3,281.42	31.6	-47.4	-25.5	0.00	0.00	0.00
1,500.0	8.37	303.70	1,495.5	3,182.48	39.7	-59.5	-32.0	0.00	0.00	0.00
1,600.0	8.37	303.70	1,594.5	3,083.55	47.7	-71.6	-38.5	0.00	0.00	0.00
1,700.0	8.37	303.70	1,693.4	2,984.61	55.8	-83.7	-45.0	0.00	0.00	0.00
1,800.0	8.37	303.70	1,792.3	2,885.67	63.9	-95.8	-51.5	0.00	0.00	0.00
1,900.0	8.37	303.70	1,891.3	2,786.74	71.9	-107.9	-58.0	0.00	0.00	0.00
2,000.0	8.37	303.70	1,990.2	2,687.80	80.0	-120.0	-64.5	0.00	0.00	0.00
2,100.0	8.37	303.70	2,089.1	2,588.87	88.1	-132.1	-71.0	0.00	0.00	0.00
2,200.0	8.37	303.70	2,188.1	2,489.93	96.2	-144.2	-77.5	0.00	0.00	0.00
2,300.0	8.37	303.70	2,287.0	2,390.99	104.2	-156.3	-84.0	0.00	0.00	0.00
2,400.0	8.37	303.70	2,385.9	2,292.06	112.3	-168.4	-90.5	0.00	0.00	0.00
2,500.0	8.37	303.70	2,484.9	2,193.12	120.4	-180.5	-97.0	0.00	0.00	0.00
2,600.0	8.37	303.70	2,583.8	2,094.19	128.4	-192.6	-103.5	0.00	0.00	0.00
2,700.0	8.37	303.70	2,682.7	1,995.25	136.5	-204.7	-110.0	0.00	0.00	0.00
2,800.0	8.37	303.70	2,781.7	1,896.31	144.6	-216.8	-116.6	0.00	0.00	0.00
2,900.0	8.37	303.70	2,880.6	1,797.38	152.7	-228.9	-123.1	0.00	0.00	0.00
3,000.0	8.37	303.70	2,979.6	1,698.44	160.7	-241.0	-129.6	0.00	0.00	0.00
3,100.0	8.37	303.70	3,078.5	1,599.51	168.8	-253.1	-136.1	0.00	0.00	0.00
3,200.0	8.37	303.70	3,177.4	1,500.57	176.9	-265.2	-142.6	0.00	0.00	0.00
3,300.0	8.37	303.70	3,276.4	1,401.63	184.9	-277.3	-149.1	0.00	0.00	0.00
3,400.0	8.37	303.70	3,375.3	1,302.70	193.0	-289.4	-155.6	0.00	0.00	0.00
3,500.0	8.37	303.70	3,474.2	1,203.76	201.1	-301.5	-162.1	0.00	0.00	0.00
3,600.0	8.37	303.70	3,573.2	1,104.83	209.2	-313.7	-168.6	0.00	0.00	0.00
3,700.0	8.37	303.70	3,672.1	1,005.89	217.2	-325.8	-175.1	0.00	0.00	0.00
3,800.0	8.37	303.70	3,771.0	906.95	225.3	-337.9	-181.6	0.00	0.00	0.00
3,900.0	8.37	303.70	3,870.0	808.02	233.4	-350.0	-188.1	0.00	0.00	0.00
4,000.0	8.37	303.70	3,968.9	709.08	241.4	-362.1	-194.6	0.00	0.00	0.00
4,100.0	8.37	303.70	4,067.9	610.15	249.5	-374.2	-201.1	0.00	0.00	0.00
4,200.0	8.37	303.70	4,166.8	511.21	257.6	-386.3	-207.7	0.00	0.00	0.00
4,300.0	8.37	303.70	4,265.7	412.27	265.7	-398.4	-214.2	0.00	0.00	0.00
4,400.0	8.37	303.70	4,364.7	313.34	273.7	-410.5	-220.7	0.00	0.00	0.00
4,500.0	8.37	303.70	4,463.6	214.40	281.8	-422.6	-227.2	0.00	0.00	0.00
4,600.0	8.37	303.70	4,562.5	115.47	289.9	-434.7	-233.7	0.00	0.00	0.00
4,700.0	8.37	303.70	4,661.5	16.53	297.9	-446.8	-240.2	0.00	0.00	0.00
4,800.0	8.37	303.70	4,760.4	-82.41	306.0	-458.9	-246.7	0.00	0.00	0.00
4,900.0	8.37	303.70	4,859.3	-181.34	314.1	-471.0	-253.2	0.00	0.00	0.00
5,000.0	8.37	303.70	4,958.3	-280.28	322.2	-483.1	-259.7	0.00	0.00	0.00

# Planning Report



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<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4678.0usft (Original Well Elev)
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<b>Well:</b>	PRONGHORN 11-14-22HNB	<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)
5,100.0	8.37	303.70	5,057.2	-379.21	330.2	-495.2	-266.2	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>5,161.3</b>	<b>8.37</b>	<b>303.70</b>	<b>5,117.9</b>	<b>-439.91</b>	<b>335.2</b>	<b>-502.6</b>	<b>-270.2</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
5,200.0	7.59	303.70	5,156.2	-478.19	338.2	-507.1	-272.6	2.00	-2.00	0.00
5,300.0	5.59	303.70	5,255.5	-577.52	344.5	-516.7	-277.7	2.00	-2.00	0.00
5,400.0	3.59	303.70	5,355.2	-677.19	349.0	-523.3	-281.3	2.00	-2.00	0.00
5,500.0	1.59	303.70	5,455.1	-777.09	351.5	-527.1	-283.3	2.00	-2.00	0.00
<b>EOD TO VERTICAL</b>										
<b>5,579.6</b>	<b>0.00</b>	<b>0.00</b>	<b>5,534.7</b>	<b>-856.70</b>	<b>352.1</b>	<b>-528.0</b>	<b>-283.8</b>	<b>2.00</b>	<b>-2.00</b>	<b>0.00</b>
5,600.0	0.00	0.00	5,555.1	-877.08	352.1	-528.0	-283.8	0.00	0.00	0.00
<b>KOP (12°/100ft BUR)</b>										
<b>5,609.6</b>	<b>0.00</b>	<b>0.00</b>	<b>5,564.7</b>	<b>-886.70</b>	<b>352.1</b>	<b>-528.0</b>	<b>-283.8</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
5,700.0	10.85	180.44	5,654.5	-976.54	343.6	-528.1	-275.4	12.00	12.00	0.00
5,800.0	22.85	180.44	5,750.1	-1,072.07	314.6	-528.3	-246.6	12.00	12.00	0.00
5,900.0	34.85	180.44	5,837.5	-1,159.50	266.5	-528.7	-198.8	12.00	12.00	0.00
6,000.0	46.85	180.44	5,913.0	-1,235.01	201.2	-529.2	-134.0	12.00	12.00	0.00
6,100.0	58.85	180.44	5,973.3	-1,295.30	121.7	-529.8	-55.0	12.00	12.00	0.00
6,200.0	70.85	180.44	6,015.7	-1,337.73	31.3	-530.5	34.8	12.00	12.00	0.00
<b>START OF TANGENT</b>										
<b>6,234.6</b>	<b>75.00</b>	<b>180.44</b>	<b>6,025.9</b>	<b>-1,347.90</b>	<b>-1.8</b>	<b>-530.7</b>	<b>67.6</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
6,300.0	75.00	180.44	6,042.8	-1,364.82	-64.9	-531.2	130.4	0.00	0.00	0.00
<b>END OF TANGENT</b>										
<b>6,334.6</b>	<b>75.00</b>	<b>180.44</b>	<b>6,051.8</b>	<b>-1,373.78</b>	<b>-98.4</b>	<b>-531.5</b>	<b>163.6</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
6,400.0	82.85	180.44	6,064.3	-1,386.33	-162.5	-532.0	227.2	12.00	12.00	0.00
<b>7" ICP *NEW* - PRONGHORN 11-14-22HNB (P2)</b>										
<b>6,459.6</b>	<b>90.00</b>	<b>180.44</b>	<b>6,068.0</b>	<b>-1,390.05</b>	<b>-221.9</b>	<b>-532.4</b>	<b>286.3</b>	<b>12.00</b>	<b>12.00</b>	<b>0.00</b>
6,500.0	90.00	180.44	6,068.0	-1,390.05	-262.3	-532.7	326.4	0.00	0.00	0.00
6,600.0	90.00	180.44	6,068.0	-1,390.05	-362.3	-533.5	425.7	0.00	0.00	0.00
6,700.0	90.00	180.44	6,068.0	-1,390.05	-462.3	-534.3	525.1	0.00	0.00	0.00
6,800.0	90.00	180.44	6,068.0	-1,390.05	-562.3	-535.0	624.4	0.00	0.00	0.00
6,900.0	90.00	180.44	6,068.0	-1,390.05	-662.3	-535.8	723.7	0.00	0.00	0.00
7,000.0	90.00	180.44	6,068.0	-1,390.05	-762.3	-536.6	823.0	0.00	0.00	0.00
7,100.0	90.00	180.44	6,068.0	-1,390.05	-862.3	-537.3	922.3	0.00	0.00	0.00
7,200.0	90.00	180.44	6,068.0	-1,390.05	-962.3	-538.1	1,021.6	0.00	0.00	0.00
7,300.0	90.00	180.44	6,068.0	-1,390.04	-1,062.3	-538.9	1,121.0	0.00	0.00	0.00
7,400.0	90.00	180.44	6,068.0	-1,390.04	-1,162.3	-539.6	1,220.3	0.00	0.00	0.00
7,500.0	90.00	180.44	6,068.0	-1,390.04	-1,262.3	-540.4	1,319.6	0.00	0.00	0.00
7,600.0	90.00	180.44	6,068.0	-1,390.04	-1,362.3	-541.2	1,418.9	0.00	0.00	0.00
7,700.0	90.00	180.44	6,068.0	-1,390.04	-1,462.3	-541.9	1,518.2	0.00	0.00	0.00
7,800.0	90.00	180.44	6,068.0	-1,390.04	-1,562.3	-542.7	1,617.6	0.00	0.00	0.00
7,900.0	90.00	180.44	6,068.0	-1,390.04	-1,662.3	-543.5	1,716.9	0.00	0.00	0.00
8,000.0	90.00	180.44	6,068.0	-1,390.04	-1,762.3	-544.3	1,816.2	0.00	0.00	0.00
8,100.0	90.00	180.44	6,068.0	-1,390.04	-1,862.3	-545.0	1,915.5	0.00	0.00	0.00
8,200.0	90.00	180.44	6,068.0	-1,390.04	-1,962.3	-545.8	2,014.8	0.00	0.00	0.00
8,300.0	90.00	180.44	6,068.0	-1,390.04	-2,062.3	-546.6	2,114.2	0.00	0.00	0.00
8,400.0	90.00	180.44	6,068.0	-1,390.04	-2,162.3	-547.3	2,213.5	0.00	0.00	0.00
8,500.0	90.00	180.44	6,068.0	-1,390.04	-2,262.3	-548.1	2,312.8	0.00	0.00	0.00
8,600.0	90.00	180.44	6,068.0	-1,390.04	-2,362.3	-548.9	2,412.1	0.00	0.00	0.00
8,700.0	90.00	180.44	6,068.0	-1,390.03	-2,462.3	-549.7	2,511.4	0.00	0.00	0.00
8,800.0	90.00	180.44	6,068.0	-1,390.03	-2,562.2	-550.4	2,610.8	0.00	0.00	0.00
8,900.0	90.00	180.44	6,068.0	-1,390.03	-2,662.2	-551.2	2,710.1	0.00	0.00	0.00
9,000.0	90.00	180.44	6,068.0	-1,390.03	-2,762.2	-552.0	2,809.4	0.00	0.00	0.00
9,100.0	90.00	180.44	6,068.0	-1,390.03	-2,862.2	-552.7	2,908.7	0.00	0.00	0.00



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well PRONGHORN 11-14-22HNB
<b>Company:</b>	BONANZA CREEK ENERGY INC.	<b>TVD Reference:</b>	KB-EST @ 4678.0usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 4678.0usft (Original Well Elev)
<b>Site:</b>	NW NW SEC. 22 T5N R61W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	PRONGHORN 11-14-22HNB	<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	6,068.0	-1,390.03	-2,962.2	-553.5	3,008.0	0.00	0.00	0.00
9,300.0	90.00	180.44	6,068.0	-1,390.03	-3,062.2	-554.3	3,107.4	0.00	0.00	0.00
9,400.0	90.00	180.44	6,068.0	-1,390.02	-3,162.2	-555.1	3,206.7	0.00	0.00	0.00
9,500.0	90.00	180.44	6,068.0	-1,390.02	-3,262.2	-555.8	3,306.0	0.00	0.00	0.00
9,600.0	90.00	180.44	6,068.0	-1,390.02	-3,362.2	-556.6	3,405.3	0.00	0.00	0.00
9,700.0	90.00	180.44	6,068.0	-1,390.02	-3,462.2	-557.4	3,504.6	0.00	0.00	0.00
9,800.0	90.00	180.44	6,068.0	-1,390.02	-3,562.2	-558.1	3,603.9	0.00	0.00	0.00
9,900.0	90.00	180.44	6,068.0	-1,390.02	-3,662.2	-558.9	3,703.3	0.00	0.00	0.00
10,000.0	90.00	180.44	6,068.0	-1,390.02	-3,762.2	-559.7	3,802.6	0.00	0.00	0.00
10,100.0	90.00	180.44	6,068.0	-1,390.01	-3,862.2	-560.5	3,901.9	0.00	0.00	0.00
10,200.0	90.00	180.44	6,068.0	-1,390.01	-3,962.2	-561.2	4,001.2	0.00	0.00	0.00
10,300.0	90.00	180.44	6,068.0	-1,390.01	-4,062.2	-562.0	4,100.5	0.00	0.00	0.00
10,400.0	90.00	180.44	6,068.0	-1,390.01	-4,162.2	-562.8	4,199.9	0.00	0.00	0.00
10,500.0	90.00	180.44	6,068.0	-1,390.01	-4,262.2	-563.6	4,299.2	0.00	0.00	0.00
10,600.0	90.00	180.44	6,068.0	-1,390.00	-4,362.2	-564.3	4,398.5	0.00	0.00	0.00
10,700.0	90.00	180.44	6,068.0	-1,390.00	-4,462.2	-565.1	4,497.8	0.00	0.00	0.00
<b>BHL - PRONGHORN 11-14-22HNB (P2)</b>										
<b>10,758.9</b>	<b>90.00</b>	<b>180.44</b>	<b>6,068.0</b>	<b>-1,390.00</b>	<b>-4,521.1</b>	<b>-565.6</b>	<b>4,556.3</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)	
800.0	800.0	0.0	0.0	START NUDGE (2°/100ft BUR)
1,218.3	1,216.8	16.9	-25.4	EOB TO 8.37° INC
5,161.3	5,117.9	335.2	-502.6	END OF TANGENT
5,579.6	5,534.7	352.1	-528.0	EOD TO VERTICAL
5,609.6	5,564.7	352.1	-528.0	KOP (12°/100ft BUR)
6,234.6	6,025.9	-1.8	-530.7	START OF TANGENT
6,334.6	6,051.8	-98.4	-531.5	END OF TANGENT
6,459.6	6,068.0	-221.9	-532.4	7" ICP *NEW* - PRONGHORN 11-14-22HNB (P2)
10,758.9	6,068.0	-4,521.1	-565.6	BHL - PRONGHORN 11-14-22HNB (P2)