

BONANZA CREEK ENERGY INC.

WELD COUNTY, COLORADO (NAD 83)

SE SW SEC. 20 T5N R62W 6th P.M.

STATE ANTELOPE F11-29-32XRLNB

ORIGINAL WELLBORE

10 December, 2015

Plan: PROPOSAL #6





Project: WELD COUNTY, COLORADO (NAD 83)
Site: SE SW SEC. 20 T5N R62W 6th P.M.
Well: STATE ANTELOPE F11-29-32XRLNB
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #6

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
1900.0	1900.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)
2486.2	2490.4	11.81	222.13	-45.0	-40.7	46.9	60.6	EOB TO 11.81° INC
5013.7	5072.5	11.81	222.13	-436.8	-395.1	456.1	589.0	END OF TANGENT
5599.9	5662.9	0.00	0.00	-481.8	-435.8	503.0	649.7	EOD TO VERTICAL
5629.9	5692.9	0.00	0.00	-481.8	-435.8	503.0	649.7	KOP (8°/100ft BUR)
6321.7	6630.4	75.00	180.45	-1012.6	-440.0	1033.4	1180.5	START OF TANGENT
6347.6	6730.4	75.00	180.45	-1109.2	-440.7	1129.9	1277.1	END OF TANGENT
6372.0	6917.9	90.00	180.45	-1294.6	-442.2	1315.1	1462.5	7" ICP - STATE ANTELOPE F11-29-32XRLNB
6372.0	15868.0	90.00	180.45	-10244.3	-512.9	10257.2	10412.5	BHL - STATE ANTELOPE F11-29-32XRLNB

PROPOSED LOCAL COORDINATES:

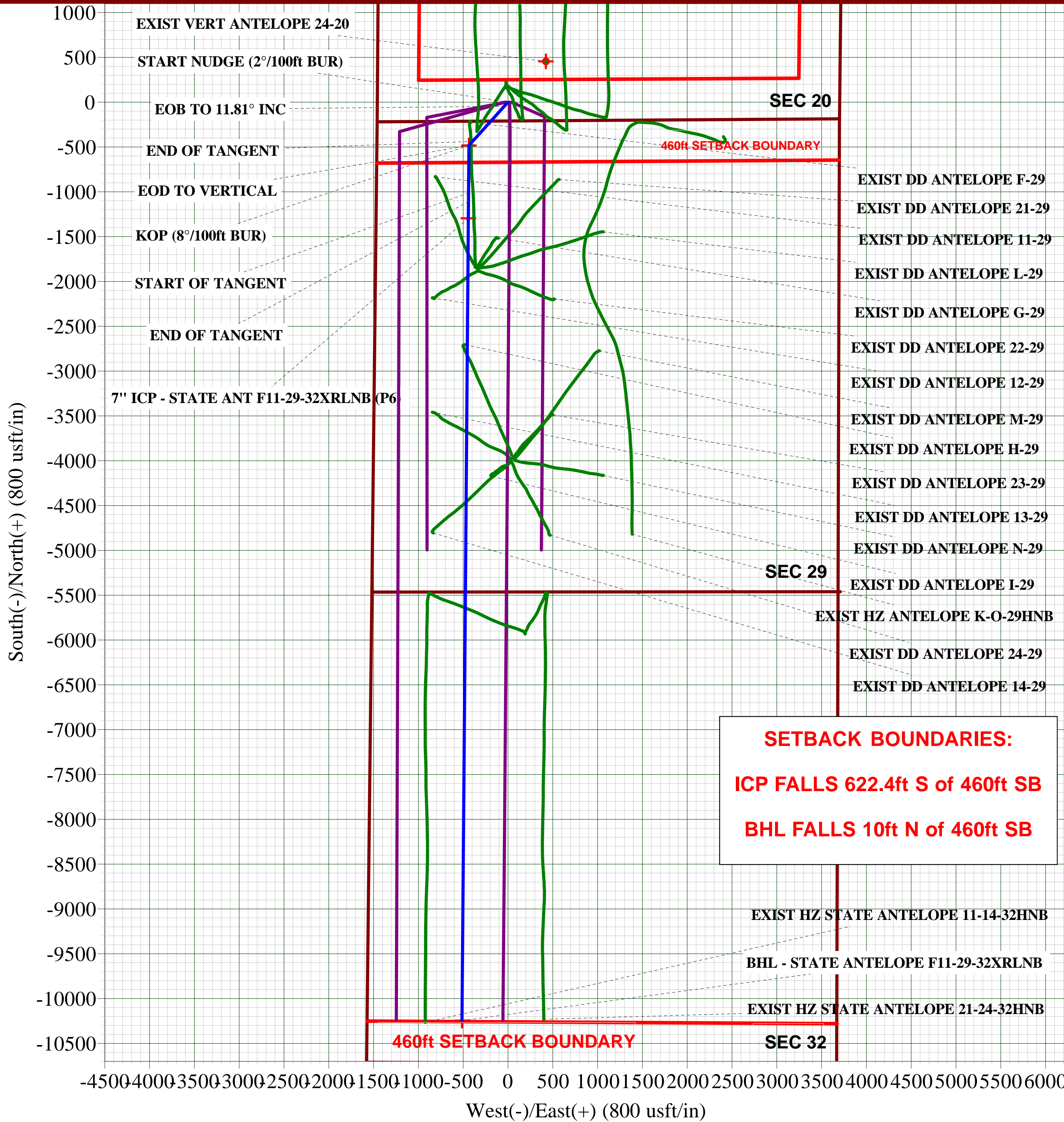
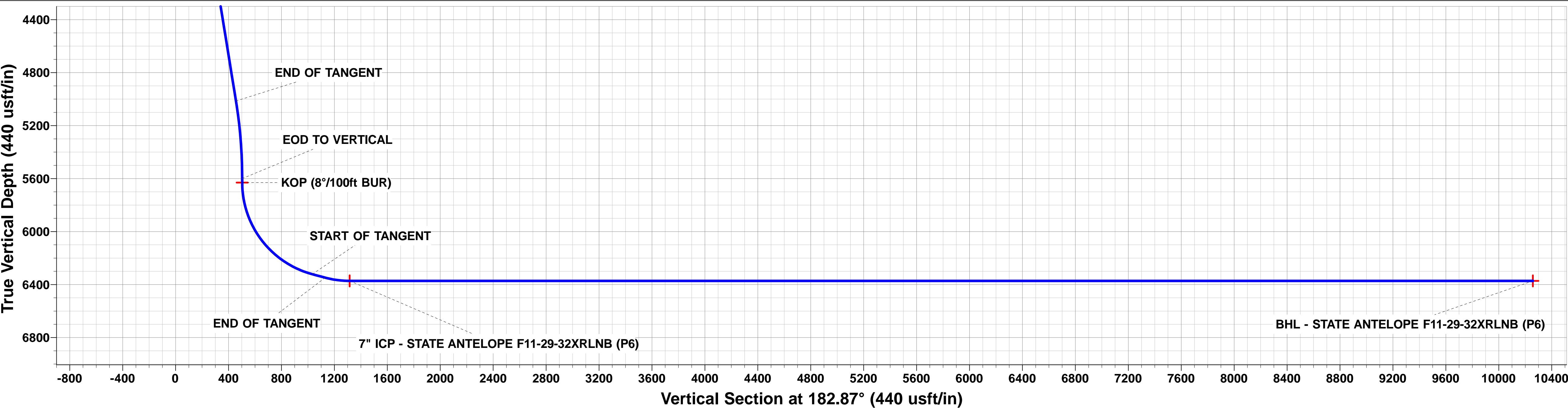
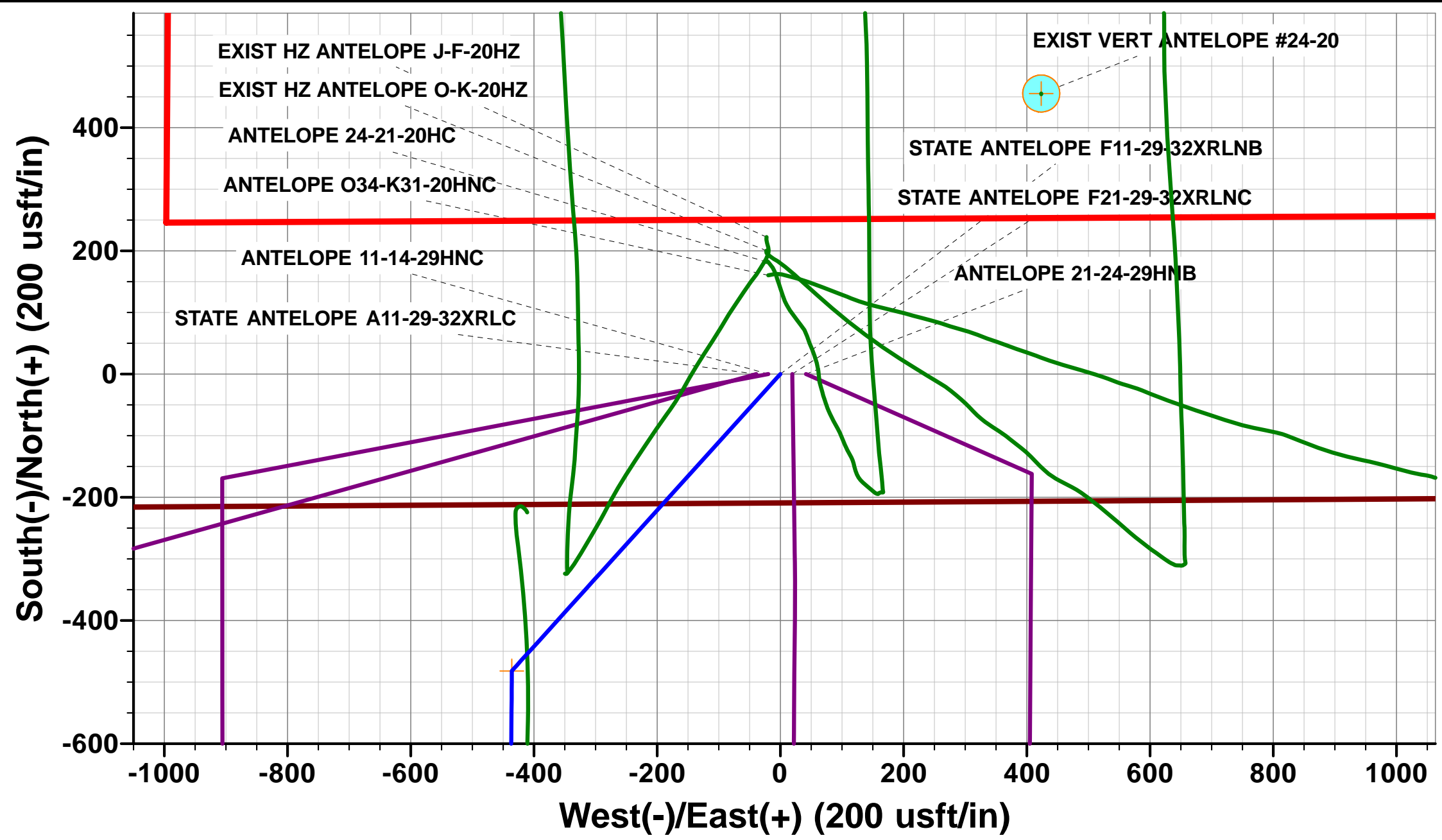
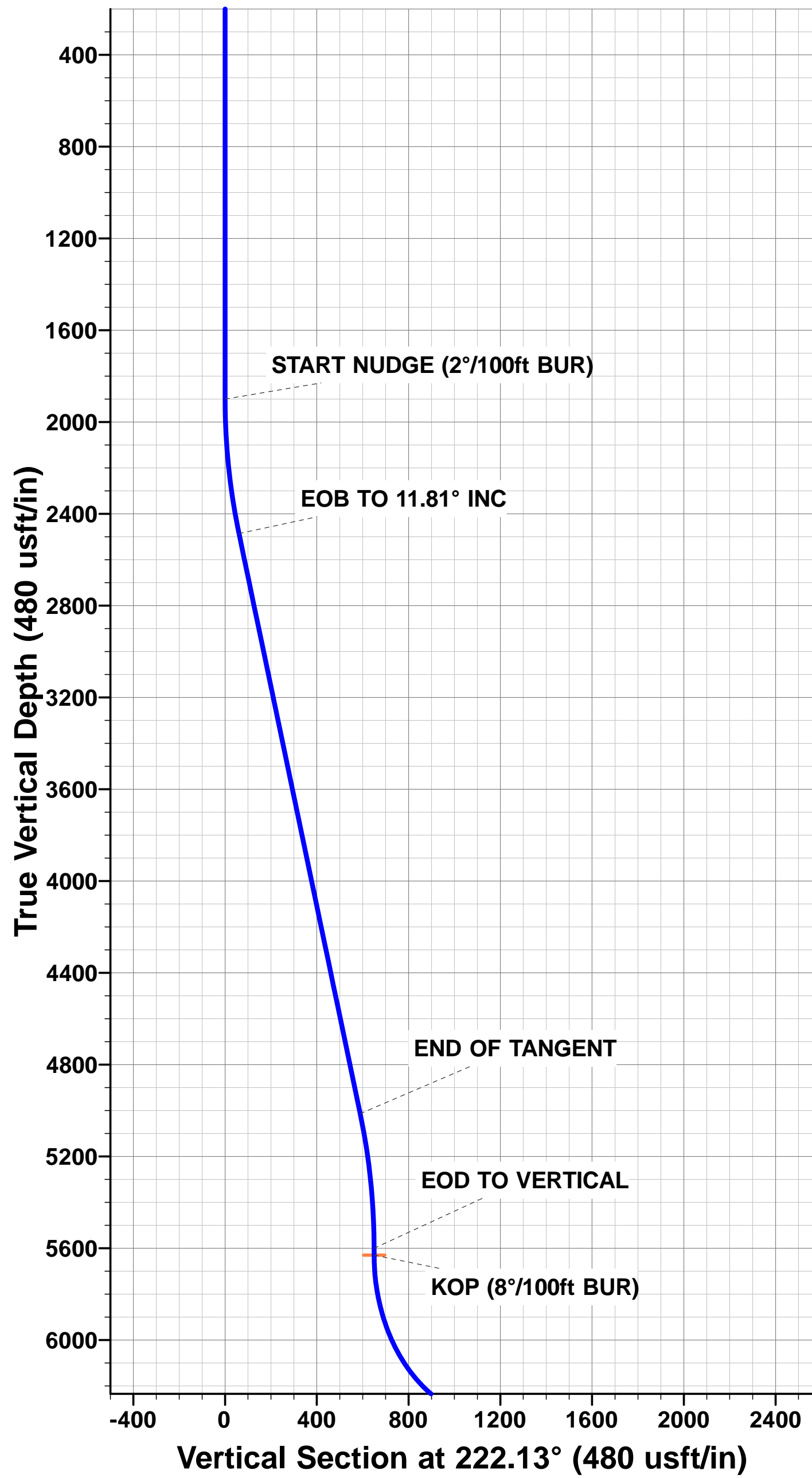
SHL: 210ft FSL & 1458ft FWL Sec 20

7" ICP: 1082.4ft FNL & 1023ft FWL Sec 29

BHL: 470ft FSL & 1060ft FWL Sec 32

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP - STATE ANTELOPE F11-29-32XRLNB (P6)	5629.9	-481.8	-435.8	40.377097	-104.353034
7" ICP - STATE ANTELOPE F11-29-32XRLNB (P6)	6372.0	-1294.6	-442.2	40.374866	-104.353057
BHL - STATE ANTELOPE F11-29-32XRLNB (P6)	6372.0	-10244.3	-512.9	40.350300	-104.353310



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well STATE ANTELOPE F11-29-32XRLNB
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB-EST @ 4682.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4682.0usft (Original Well Elev)
Site:	SE SW SEC. 20 T5N R62W 6th P.M.	North Reference:	True
Well:	STATE ANTELOPE F11-29-32XRLNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #6		

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	SE SW SEC. 20 T5N R62W 6th P.M.		
Site Position:		Northing:	1,382,952.91 usft
From:	Lat/Long	Easting:	3,319,945.73 usft
Position Uncertainty:	0.0 usft	Slot Radius:	1.10000ft
		Latitude:	40.378920
		Longitude:	-104.351550
		Grid Convergence:	0.74 °

Well	STATE ANTELOPE F11-29-32XRLNB		
Well Position	+N-S	-182.2 usft	Northing:
	+E-W	22.3 usft	Easting:
Position Uncertainty		0.0 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	22/10/2015	8.16	66.94	52,614

Design	PROPOSAL #6			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)
	6,372.0	0.0	0.0	182.87

Plan Sections											
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	-4,682.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	-2,782.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,490.4	11.81	222.13	2,486.3	-2,195.7	-45.0	-40.7	2.00	2.00	0.00	222.13	
5,072.5	11.81	222.13	5,013.6	331.6	-436.8	-395.1	0.00	0.00	0.00	0.00	
5,662.9	0.00	0.00	5,599.9	917.9	-481.8	-435.8	2.00	-2.00	0.00	180.00	
5,692.9	0.00	0.00	5,629.9	947.9	-481.8	-435.8	0.00	0.00	0.00	0.00	KOP - STATE ANTI
6,630.4	75.00	180.45	6,321.7	1,639.7	-1,012.6	-440.0	8.00	8.00	0.00	180.45	
6,730.4	75.00	180.45	6,347.6	1,665.6	-1,109.2	-440.7	0.00	0.00	0.00	0.00	
6,917.9	90.00	180.45	6,372.0	1,690.0	-1,294.6	-442.2	8.00	8.00	0.00	0.00	
15,868.0	90.00	180.45	6,372.0	1,690.0	-10,244.3	-512.9	0.00	0.00	0.00	93.14	BHL - STATE ANTI

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Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4682.0usft (Original Well Elev)
Site:	SE SW SEC. 20 T5N R62W 6th P.M.	North Reference:	True
Well:	STATE ANTELOPE F11-29-32XRLNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #6		

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	4,682.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,582.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,482.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,382.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	4,282.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	4,182.00	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	4,082.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	3,982.00	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	3,882.00	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	3,782.00	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	3,682.00	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	3,582.00	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	3,482.00	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	3,382.00	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	3,282.00	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	3,182.00	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	3,082.00	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	2,982.00	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	2,882.00	0.0	0.0	0.0	0.00	0.00	0.00
START NUDGE (2°/100ft BUR)										
1,900.0	0.00	0.00	1,900.0	2,782.00	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	2.00	222.13	2,000.0	2,682.02	-1.3	-1.2	1.4	2.00	2.00	0.00
2,100.0	4.00	222.13	2,099.8	2,582.16	-5.2	-4.7	5.4	2.00	2.00	0.00
2,200.0	6.00	222.13	2,199.5	2,482.55	-11.6	-10.5	12.2	2.00	2.00	0.00
2,300.0	8.00	222.13	2,298.7	2,383.30	-20.7	-18.7	21.6	2.00	2.00	0.00
2,400.0	10.00	222.13	2,397.5	2,284.53	-32.3	-29.2	33.7	2.00	2.00	0.00
EOB TO 11.81° INC										
2,490.4	11.81	222.13	2,486.2	2,195.77	-45.0	-40.7	46.9	2.00	2.00	0.00
2,500.0	11.81	222.13	2,495.6	2,186.37	-46.4	-42.0	48.5	0.01	0.01	0.00
2,600.0	11.81	222.13	2,593.5	2,088.49	-61.6	-55.7	64.3	0.00	0.00	0.00
2,700.0	11.81	222.13	2,691.4	1,990.61	-76.8	-69.4	80.1	0.00	0.00	0.00
2,800.0	11.81	222.13	2,789.3	1,892.72	-91.9	-83.2	96.0	0.00	0.00	0.00
2,900.0	11.81	222.13	2,887.2	1,794.84	-107.1	-96.9	111.8	0.00	0.00	0.00
3,000.0	11.81	222.13	2,985.0	1,696.96	-122.3	-110.6	127.7	0.00	0.00	0.00
3,100.0	11.81	222.13	3,082.9	1,599.07	-137.5	-124.4	143.5	0.00	0.00	0.00
3,200.0	11.81	222.13	3,180.8	1,501.19	-152.7	-138.1	159.4	0.00	0.00	0.00
3,300.0	11.81	222.13	3,278.7	1,403.30	-167.8	-151.8	175.2	0.00	0.00	0.00
3,400.0	11.81	222.13	3,376.6	1,305.42	-183.0	-165.5	191.1	0.00	0.00	0.00
3,500.0	11.81	222.13	3,474.5	1,207.54	-198.2	-179.3	206.9	0.00	0.00	0.00
3,600.0	11.81	222.13	3,572.3	1,109.65	-213.4	-193.0	222.7	0.00	0.00	0.00
3,700.0	11.81	222.13	3,670.2	1,011.77	-228.5	-206.7	238.6	0.00	0.00	0.00
3,800.0	11.81	222.13	3,768.1	913.89	-243.7	-220.4	254.4	0.00	0.00	0.00
3,900.0	11.81	222.13	3,866.0	816.00	-258.9	-234.2	270.3	0.00	0.00	0.00
4,000.0	11.81	222.13	3,963.9	718.12	-274.1	-247.9	286.1	0.00	0.00	0.00
4,100.0	11.81	222.13	4,061.8	620.24	-289.2	-261.6	302.0	0.00	0.00	0.00
4,200.0	11.81	222.13	4,159.6	522.35	-304.4	-275.4	317.8	0.00	0.00	0.00
4,300.0	11.81	222.13	4,257.5	424.47	-319.6	-289.1	333.7	0.00	0.00	0.00
4,400.0	11.81	222.13	4,355.4	326.58	-334.8	-302.8	349.5	0.00	0.00	0.00
4,500.0	11.81	222.13	4,453.3	228.70	-350.0	-316.5	365.3	0.00	0.00	0.00
4,600.0	11.81	222.13	4,551.2	130.82	-365.1	-330.3	381.2	0.00	0.00	0.00
4,700.0	11.81	222.13	4,649.1	32.93	-380.3	-344.0	397.0	0.00	0.00	0.00
4,800.0	11.81	222.13	4,746.9	-64.95	-395.5	-357.7	412.9	0.00	0.00	0.00
4,900.0	11.81	222.13	4,844.8	-162.83	-410.7	-371.5	428.7	0.00	0.00	0.00
5,000.0	11.81	222.13	4,942.7	-260.72	-425.8	-385.2	444.6	0.00	0.00	0.00

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Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #6		

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)
END OF TANGENT										
5,072.5	11.81	222.13	5,013.7	-331.68	-436.8	-395.1	456.1	0.00	0.00	0.00
5,100.0	11.26	222.13	5,040.6	-358.63	-440.9	-398.8	460.3	2.00	-2.00	0.00
5,200.0	9.26	222.13	5,139.0	-457.02	-454.1	-410.8	474.1	2.00	-2.00	0.00
5,300.0	7.26	222.13	5,238.0	-555.98	-464.8	-420.4	485.2	2.00	-2.00	0.00
5,400.0	5.26	222.13	5,337.4	-655.38	-472.9	-427.7	493.7	2.00	-2.00	0.00
5,500.0	3.26	222.13	5,437.1	-755.10	-478.4	-432.7	499.4	2.00	-2.00	0.00
5,600.0	1.26	222.13	5,537.0	-855.02	-481.3	-435.3	502.5	2.00	-2.00	0.00
EOD TO VERTICAL										
5,662.9	0.00	0.00	5,599.9	-917.91	-481.8	-435.8	503.0	2.00	-2.00	0.00
KOP (8°/100ft BUR)										
5,692.9	0.00	0.00	5,629.9	-947.91	-481.8	-435.8	503.0	0.00	0.00	0.00
5,700.0	0.57	180.45	5,637.0	-955.01	-481.8	-435.8	503.0	8.01	8.01	0.00
5,800.0	8.57	180.45	5,736.6	-1,054.61	-489.8	-435.9	511.0	8.00	8.00	0.00
5,900.0	16.57	180.45	5,834.1	-1,152.14	-511.5	-436.0	532.7	8.00	8.00	0.00
6,000.0	24.57	180.45	5,927.7	-1,245.69	-546.6	-436.3	567.8	8.00	8.00	0.00
6,100.0	32.57	180.45	6,015.4	-1,333.44	-594.4	-436.7	615.5	8.00	8.00	0.00
6,200.0	40.57	180.45	6,095.7	-1,413.69	-654.0	-437.2	675.0	8.00	8.00	0.00
6,300.0	48.57	180.45	6,166.9	-1,484.87	-724.1	-437.7	745.0	8.00	8.00	0.00
6,400.0	56.57	180.45	6,227.6	-1,545.60	-803.4	-438.3	824.3	8.00	8.00	0.00
6,500.0	64.57	180.45	6,276.7	-1,594.70	-890.4	-439.0	911.3	8.00	8.00	0.00
6,600.0	72.57	180.45	6,313.2	-1,631.21	-983.4	-439.7	1,004.2	8.00	8.00	0.00
START OF TANGENT										
6,630.4	75.00	180.45	6,321.7	-1,639.70	-1,012.6	-440.0	1,033.4	8.00	8.00	0.00
6,700.0	75.00	180.45	6,339.7	-1,657.71	-1,079.9	-440.5	1,100.5	0.00	0.00	0.00
END OF TANGENT										
6,730.4	75.00	180.45	6,347.6	-1,665.58	-1,109.2	-440.7	1,129.9	0.00	0.00	0.00
6,800.0	80.57	180.45	6,362.3	-1,680.30	-1,177.2	-441.3	1,197.8	8.00	8.00	0.00
6,900.0	88.57	180.45	6,371.8	-1,689.76	-1,276.7	-442.0	1,297.2	8.00	8.00	0.00
7" ICP - STATE ANTELOPE F11-29-32XRLNB										
6,917.9	90.00	180.45	6,372.0	-1,689.98	-1,294.6	-442.2	1,315.1	7.99	7.99	0.00
7,000.0	90.00	180.45	6,372.0	-1,689.98	-1,376.7	-442.8	1,397.1	0.00	0.00	0.00
7,100.0	90.00	180.45	6,372.0	-1,689.98	-1,476.7	-443.6	1,497.0	0.00	0.00	0.00
7,200.0	90.00	180.45	6,372.0	-1,689.98	-1,576.7	-444.4	1,596.9	0.00	0.00	0.00
7,300.0	90.00	180.45	6,372.0	-1,689.98	-1,676.7	-445.2	1,696.8	0.00	0.00	0.00
7,400.0	90.00	180.45	6,372.0	-1,689.98	-1,776.7	-446.0	1,796.7	0.00	0.00	0.00
7,500.0	90.00	180.45	6,372.0	-1,689.98	-1,876.7	-446.8	1,896.6	0.00	0.00	0.00
7,600.0	90.00	180.45	6,372.0	-1,689.98	-1,976.7	-447.5	1,996.6	0.00	0.00	0.00
7,700.0	90.00	180.45	6,372.0	-1,689.98	-2,076.7	-448.3	2,096.5	0.00	0.00	0.00
7,800.0	90.00	180.45	6,372.0	-1,689.98	-2,176.7	-449.1	2,196.4	0.00	0.00	0.00
7,900.0	90.00	180.45	6,372.0	-1,689.98	-2,276.6	-449.9	2,296.3	0.00	0.00	0.00
8,000.0	90.00	180.45	6,372.0	-1,689.98	-2,376.6	-450.7	2,396.2	0.00	0.00	0.00
8,100.0	90.00	180.45	6,372.0	-1,689.98	-2,476.6	-451.5	2,496.1	0.00	0.00	0.00
8,200.0	90.00	180.45	6,372.0	-1,689.98	-2,576.6	-452.3	2,596.0	0.00	0.00	0.00
8,300.0	90.00	180.45	6,372.0	-1,689.98	-2,676.6	-453.0	2,695.9	0.00	0.00	0.00
8,400.0	90.00	180.45	6,372.0	-1,689.98	-2,776.6	-453.8	2,795.9	0.00	0.00	0.00
8,500.0	90.00	180.45	6,372.0	-1,689.98	-2,876.6	-454.6	2,895.8	0.00	0.00	0.00
8,600.0	90.00	180.45	6,372.0	-1,689.98	-2,976.6	-455.4	2,995.7	0.00	0.00	0.00
8,700.0	90.00	180.45	6,372.0	-1,689.98	-3,076.6	-456.2	3,095.6	0.00	0.00	0.00
8,800.0	90.00	180.45	6,372.0	-1,689.98	-3,176.6	-457.0	3,195.5	0.00	0.00	0.00
8,900.0	90.00	180.45	6,372.0	-1,689.98	-3,276.6	-457.8	3,295.4	0.00	0.00	0.00
9,000.0	90.00	180.45	6,372.0	-1,689.98	-3,376.6	-458.6	3,395.3	0.00	0.00	0.00
9,100.0	90.00	180.45	6,372.0	-1,689.98	-3,476.6	-459.3	3,495.2	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well STATE ANTELOPE F11-29-32XRLNB
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB-EST @ 4682.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4682.0usft (Original Well Elev)
Site:	SE SW SEC. 20 T5N R62W 6th P.M.	North Reference:	True
Well:	STATE ANTELOPE F11-29-32XRLNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #6		

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	180.45	6,372.0	-1,689.98	-3,576.6	-460.1	3,595.1	0.00	0.00	0.00
9,300.0	90.00	180.45	6,372.0	-1,689.98	-3,676.6	-460.9	3,695.1	0.00	0.00	0.00
9,400.0	90.00	180.45	6,372.0	-1,689.98	-3,776.6	-461.7	3,795.0	0.00	0.00	0.00
9,500.0	90.00	180.45	6,372.0	-1,689.98	-3,876.6	-462.5	3,894.9	0.00	0.00	0.00
9,600.0	90.00	180.45	6,372.0	-1,689.98	-3,976.6	-463.3	3,994.8	0.00	0.00	0.00
9,700.0	90.00	180.45	6,372.0	-1,689.98	-4,076.6	-464.1	4,094.7	0.00	0.00	0.00
9,800.0	90.00	180.45	6,372.0	-1,689.98	-4,176.6	-464.9	4,194.6	0.00	0.00	0.00
9,900.0	90.00	180.45	6,372.0	-1,689.98	-4,276.6	-465.6	4,294.5	0.00	0.00	0.00
10,000.0	90.00	180.45	6,372.0	-1,689.98	-4,376.6	-466.4	4,394.4	0.00	0.00	0.00
10,100.0	90.00	180.45	6,372.0	-1,689.98	-4,476.6	-467.2	4,494.3	0.00	0.00	0.00
10,200.0	90.00	180.45	6,372.0	-1,689.98	-4,576.6	-468.0	4,594.3	0.00	0.00	0.00
10,300.0	90.00	180.45	6,372.0	-1,689.98	-4,676.6	-468.8	4,694.2	0.00	0.00	0.00
10,400.0	90.00	180.45	6,372.0	-1,689.98	-4,776.6	-469.6	4,794.1	0.00	0.00	0.00
10,500.0	90.00	180.45	6,372.0	-1,689.98	-4,876.6	-470.4	4,894.0	0.00	0.00	0.00
10,600.0	90.00	180.45	6,372.0	-1,689.98	-4,976.6	-471.2	4,993.9	0.00	0.00	0.00
10,700.0	90.00	180.45	6,372.0	-1,689.98	-5,076.6	-472.0	5,093.8	0.00	0.00	0.00
10,800.0	90.00	180.45	6,372.0	-1,689.98	-5,176.6	-472.7	5,193.7	0.00	0.00	0.00
10,900.0	90.00	180.45	6,372.0	-1,689.98	-5,276.6	-473.5	5,293.6	0.00	0.00	0.00
11,000.0	90.00	180.45	6,372.0	-1,689.98	-5,376.6	-474.3	5,393.5	0.00	0.00	0.00
11,100.0	90.00	180.45	6,372.0	-1,689.98	-5,476.5	-475.1	5,493.5	0.00	0.00	0.00
11,200.0	90.00	180.45	6,372.0	-1,689.98	-5,576.5	-475.9	5,593.4	0.00	0.00	0.00
11,300.0	90.00	180.45	6,372.0	-1,689.98	-5,676.5	-476.7	5,693.3	0.00	0.00	0.00
11,400.0	90.00	180.45	6,372.0	-1,689.98	-5,776.5	-477.5	5,793.2	0.00	0.00	0.00
11,500.0	90.00	180.45	6,372.0	-1,689.98	-5,876.5	-478.3	5,893.1	0.00	0.00	0.00
11,600.0	90.00	180.45	6,372.0	-1,689.98	-5,976.5	-479.1	5,993.0	0.00	0.00	0.00
11,700.0	90.00	180.45	6,372.0	-1,689.99	-6,076.5	-479.8	6,092.9	0.00	0.00	0.00
11,800.0	90.00	180.45	6,372.0	-1,689.99	-6,176.5	-480.6	6,192.8	0.00	0.00	0.00
11,900.0	90.00	180.45	6,372.0	-1,689.99	-6,276.5	-481.4	6,292.7	0.00	0.00	0.00
12,000.0	90.00	180.45	6,372.0	-1,689.99	-6,376.5	-482.2	6,392.7	0.00	0.00	0.00
12,100.0	90.00	180.45	6,372.0	-1,689.99	-6,476.5	-483.0	6,492.6	0.00	0.00	0.00
12,200.0	90.00	180.45	6,372.0	-1,689.99	-6,576.5	-483.8	6,592.5	0.00	0.00	0.00
12,300.0	90.00	180.45	6,372.0	-1,689.99	-6,676.5	-484.6	6,692.4	0.00	0.00	0.00
12,400.0	90.00	180.45	6,372.0	-1,689.99	-6,776.5	-485.4	6,792.3	0.00	0.00	0.00
12,500.0	90.00	180.45	6,372.0	-1,689.99	-6,876.5	-486.2	6,892.2	0.00	0.00	0.00
12,600.0	90.00	180.45	6,372.0	-1,689.99	-6,976.5	-487.0	6,992.1	0.00	0.00	0.00
12,700.0	90.00	180.45	6,372.0	-1,689.99	-7,076.5	-487.8	7,092.0	0.00	0.00	0.00
12,800.0	90.00	180.45	6,372.0	-1,689.99	-7,176.5	-488.5	7,191.9	0.00	0.00	0.00
12,900.0	90.00	180.45	6,372.0	-1,689.99	-7,276.5	-489.3	7,291.9	0.00	0.00	0.00
13,000.0	90.00	180.45	6,372.0	-1,689.99	-7,376.5	-490.1	7,391.8	0.00	0.00	0.00
13,100.0	90.00	180.45	6,372.0	-1,689.99	-7,476.5	-490.9	7,491.7	0.00	0.00	0.00
13,200.0	90.00	180.45	6,372.0	-1,689.99	-7,576.5	-491.7	7,591.6	0.00	0.00	0.00
13,300.0	90.00	180.45	6,372.0	-1,689.99	-7,676.5	-492.5	7,691.5	0.00	0.00	0.00
13,400.0	90.00	180.45	6,372.0	-1,689.99	-7,776.5	-493.3	7,791.4	0.00	0.00	0.00
13,500.0	90.00	180.45	6,372.0	-1,689.99	-7,876.5	-494.1	7,891.3	0.00	0.00	0.00
13,600.0	90.00	180.45	6,372.0	-1,689.99	-7,976.5	-494.9	7,991.2	0.00	0.00	0.00
13,700.0	90.00	180.45	6,372.0	-1,689.99	-8,076.5	-495.7	8,091.1	0.00	0.00	0.00
13,800.0	90.00	180.45	6,372.0	-1,689.99	-8,176.5	-496.5	8,191.1	0.00	0.00	0.00
13,900.0	90.00	180.45	6,372.0	-1,689.99	-8,276.5	-497.3	8,291.0	0.00	0.00	0.00
14,000.0	90.00	180.45	6,372.0	-1,689.99	-8,376.5	-498.0	8,390.9	0.00	0.00	0.00
14,100.0	90.00	180.45	6,372.0	-1,689.99	-8,476.5	-498.8	8,490.8	0.00	0.00	0.00
14,200.0	90.00	180.45	6,372.0	-1,689.99	-8,576.5	-499.6	8,590.7	0.00	0.00	0.00
14,300.0	90.00	180.45	6,372.0	-1,689.99	-8,676.4	-500.4	8,690.6	0.00	0.00	0.00
14,400.0	90.00	180.45	6,372.0	-1,689.99	-8,776.4	-501.2	8,790.5	0.00	0.00	0.00
14,500.0	90.00	180.45	6,372.0	-1,689.99	-8,876.4	-502.0	8,890.4	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well STATE ANTELOPE F11-29-32XRLNB
Company:	BONANZA CREEK ENERGY INC.	TVD Reference:	KB-EST @ 4682.0usft (Original Well Elev)
Project:	WELD COUNTY, COLORADO (NAD 83)	MD Reference:	KB-EST @ 4682.0usft (Original Well Elev)
Site:	SE SW SEC. 20 T5N R62W 6th P.M.	North Reference:	True
Well:	STATE ANTELOPE F11-29-32XRLNB	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #6		

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)
14,600.0	90.00	180.45	6,372.0	-1,689.99	-8,976.4	-502.8	8,990.4	0.00	0.00	0.00
14,700.0	90.00	180.45	6,372.0	-1,689.99	-9,076.4	-503.6	9,090.3	0.00	0.00	0.00
14,800.0	90.00	180.45	6,372.0	-1,690.00	-9,176.4	-504.4	9,190.2	0.00	0.00	0.00
14,900.0	90.00	180.45	6,372.0	-1,690.00	-9,276.4	-505.2	9,290.1	0.00	0.00	0.00
15,000.0	90.00	180.45	6,372.0	-1,690.00	-9,376.4	-506.0	9,390.0	0.00	0.00	0.00
15,100.0	90.00	180.45	6,372.0	-1,690.00	-9,476.4	-506.8	9,489.9	0.00	0.00	0.00
15,200.0	90.00	180.45	6,372.0	-1,690.00	-9,576.4	-507.6	9,589.8	0.00	0.00	0.00
15,300.0	90.00	180.45	6,372.0	-1,690.00	-9,676.4	-508.3	9,689.7	0.00	0.00	0.00
15,400.0	90.00	180.45	6,372.0	-1,690.00	-9,776.4	-509.1	9,789.6	0.00	0.00	0.00
15,500.0	90.00	180.45	6,372.0	-1,690.00	-9,876.4	-509.9	9,889.6	0.00	0.00	0.00
15,600.0	90.00	180.45	6,372.0	-1,690.00	-9,976.4	-510.7	9,989.5	0.00	0.00	0.00
15,700.0	90.00	180.45	6,372.0	-1,690.00	-10,076.4	-511.5	10,089.4	0.00	0.00	0.00
15,800.0	90.00	180.45	6,372.0	-1,690.00	-10,176.4	-512.3	10,189.3	0.00	0.00	0.00
BHL - STATE ANTELOPE F11-29-32XRLNB										
15,868.0	90.00	180.45	6,372.0	-1,690.00	-10,244.3	-512.9	10,257.2	0.00	0.00	0.00

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,900.0	1,900.0	0.0	0.0	START NUDGE (2°/100ft BUR)
2,490.4	2,486.2	-45.0	-40.7	EOB TO 11.81° INC
5,072.5	5,013.7	-436.8	-395.1	END OF TANGENT
5,662.9	5,599.9	-481.8	-435.8	EOD TO VERTICAL
5,692.9	5,629.9	-481.8	-435.8	KOP (8°/100ft BUR)
6,630.4	6,321.7	-1,012.6	-440.0	START OF TANGENT
6,730.4	6,347.6	-1,109.2	-440.7	END OF TANGENT
6,917.9	6,372.0	-1,294.6	-442.2	7" ICP - STATE ANTELOPE F11-29-32XRLNB
15,868.0	6,372.0	-10,244.3	-512.9	BHL - STATE ANTELOPE F11-29-32XRLNB