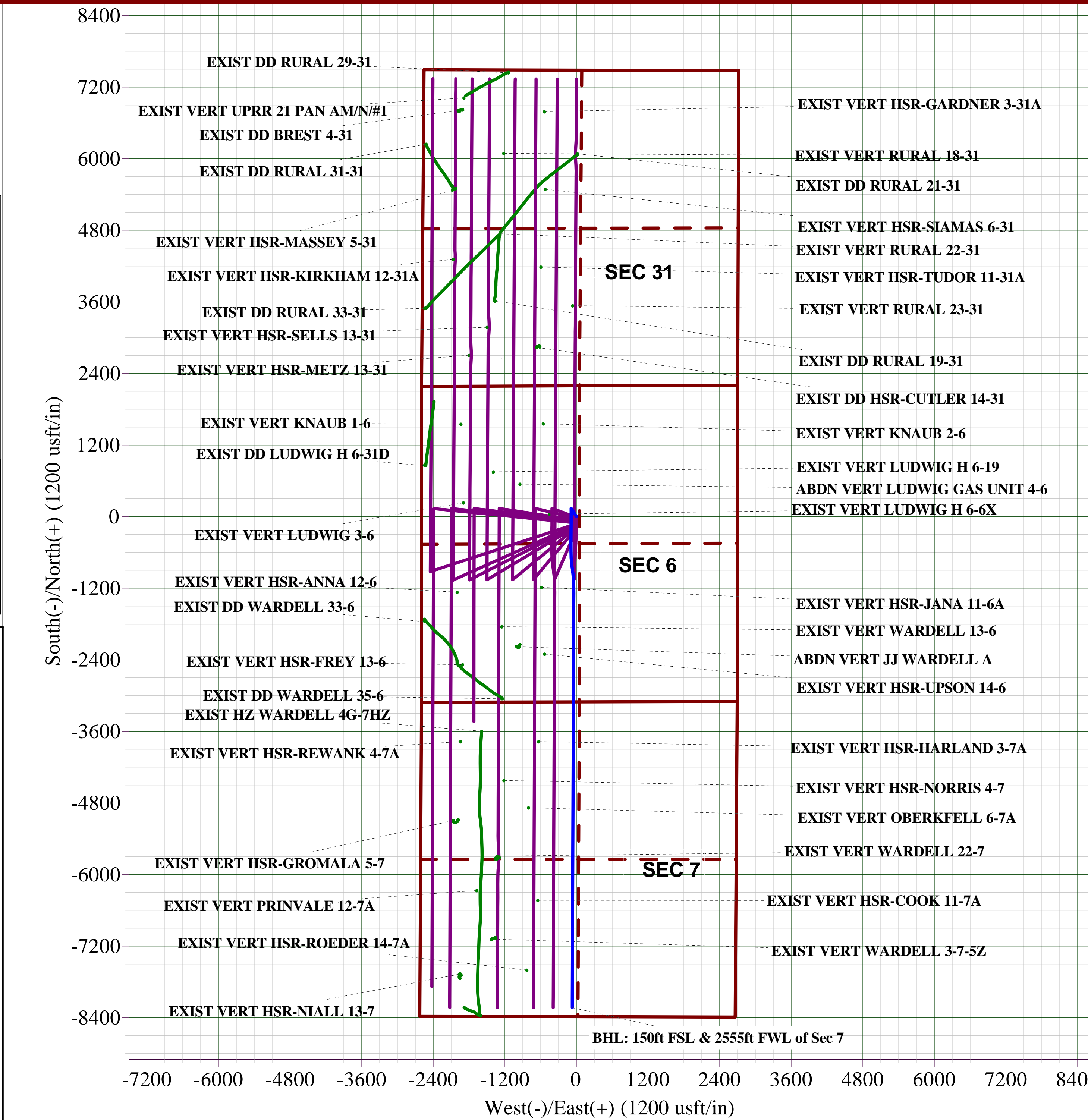
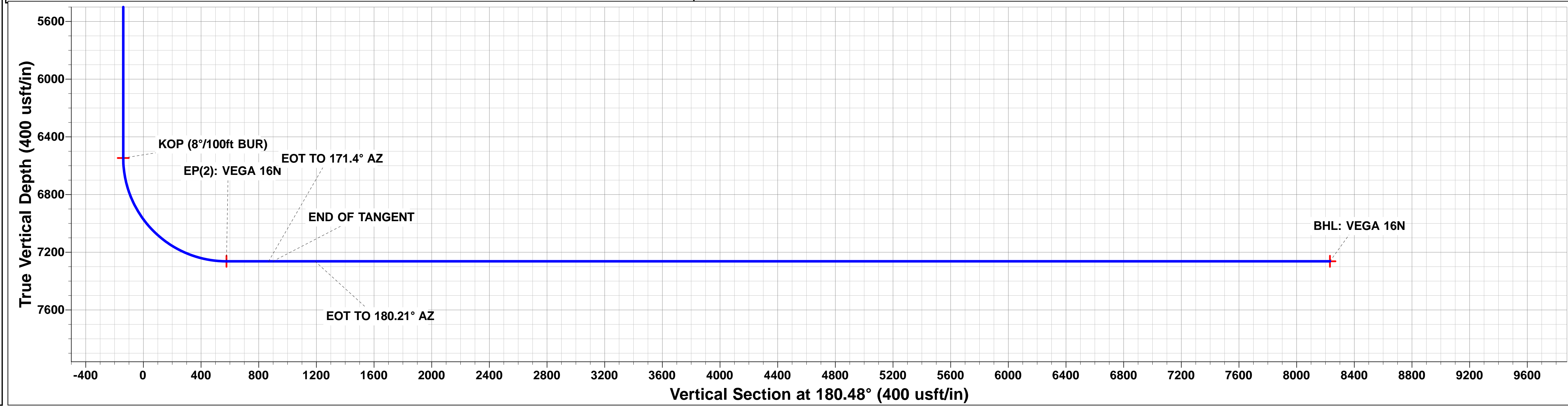
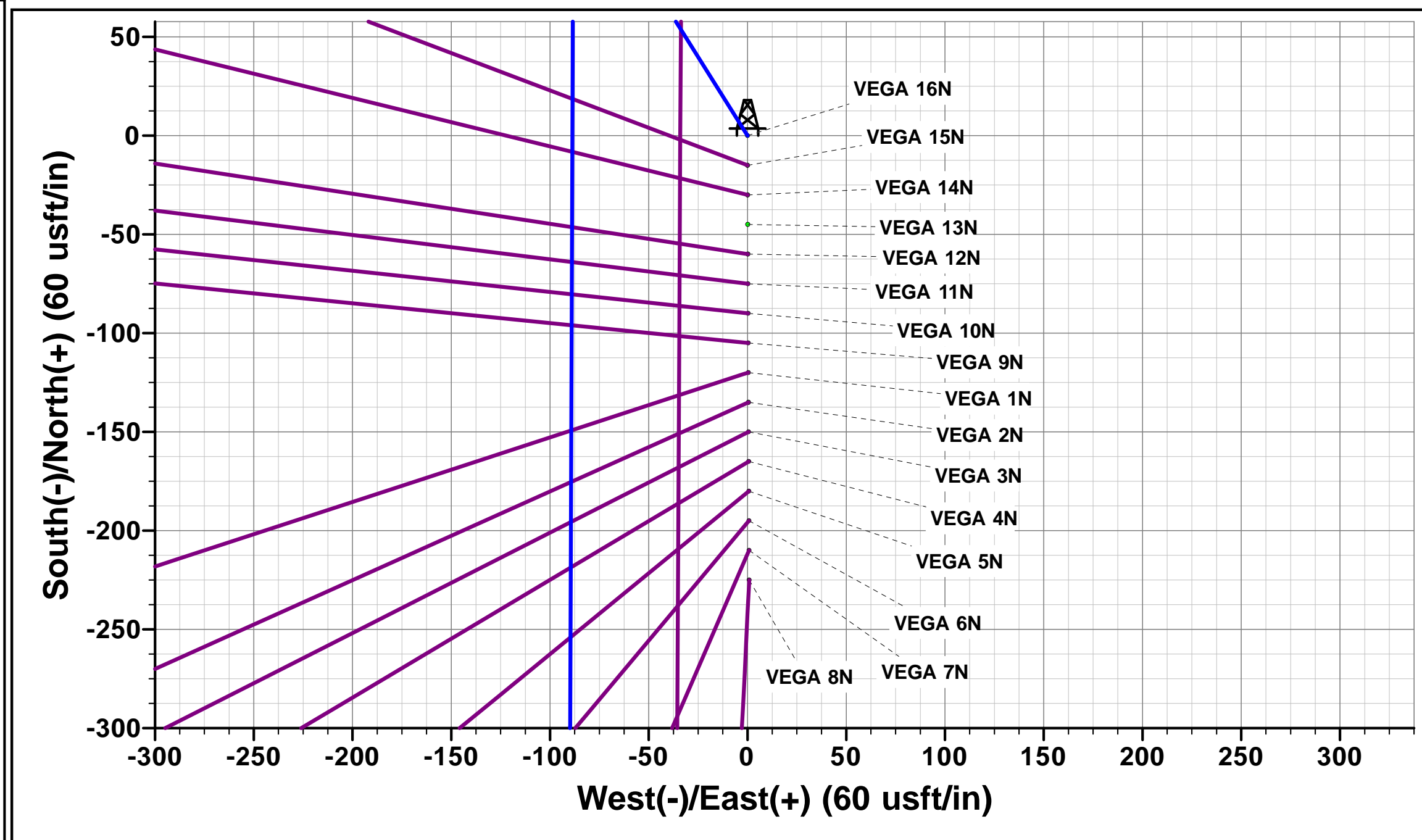
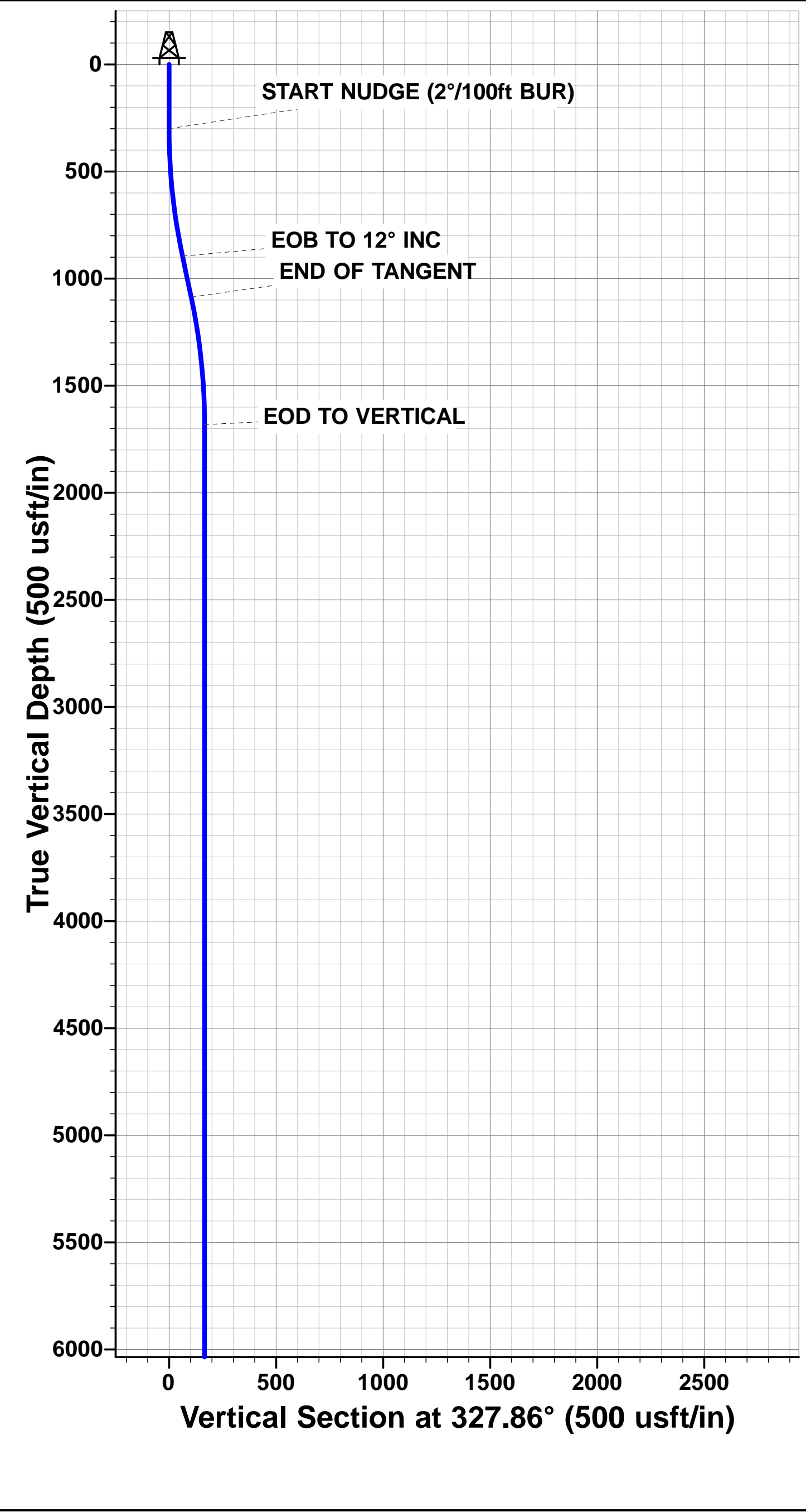




Project: WELD COUNTY, COLORADO
Site: SE NW SEC. 6 T3N R65W 6th P.M.
Well: VEGA 16N
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1

ANNOTATIONS								<div>PROPOSED LOCAL COORDINATES:</div> <div>SHL: 2194ft FNL & 2596ft FWL of Sec 6</div> <div>*NEW*EP: 2530ft FSL & 2555ft FWL of Sec 6</div> <div>BHL: 150ft FSL & 2555ft FWL of Sec 7</div>
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
895.49	899.87	12.00	327.86	52.99	-33.29	-52.70	62.57	
1086.31	1094.94	12.00	327.86	87.32	-54.86	-86.86	103.12	SHL: 2194ft FNL & 2596ft FWL of Sec 6
1681.80	1694.81	0.00	0.00	140.31	-88.15	-139.56	165.70	START NUDGE (2°/100ft BUR)
6546.80	6559.81	0.00	0.00	140.31	-88.15	-139.56	165.70	EOB TO 12° INC
7263.00	7684.81	90.00	180.21	-575.89	-90.78	576.63	881.90	END OF TANGENT
7263.00	7978.49	90.00	171.40	-868.49	-69.32	869.05	1175.58	EOD TO VERTICAL
7263.00	8008.49	90.00	171.40	-898.16	-64.83	898.67	1205.58	KOP (8°/100ft BUR)
7263.00	8302.21	90.00	180.21	-1190.80	-43.37	1191.12	1499.29	*NEW*EP: 2530ft FSL & 2555ft FWL of Sec 6
7263.00	15342.56	90.00	180.21	-8231.10	-69.36	8231.39	8539.65	EOT TO 171.4° AZ
								END OF TANGENT
								EOT TO 180.21° AZ
								BHL: 150ft FSL & 2555ft FWL of Sec 7

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
KOP:VEGA 16N	6546.80	140.31	-88.15	40.256038	-104.706674
EP(2): VEGA 16N	7263.00	-575.89	-90.78	40.254072	-104.706683
BHL: VEGA 16N	7263.00	-8231.10	-69.36	40.233059	-104.706606



PDC ENERGY

**WELD COUNTY, COLORADO
SE NW SEC. 6 T3N R65W 6th P.M.
VEGA 16N**

**ORIGINAL WELLBORE
PROPOSAL #1**

Anticollision Report

24 January, 2018



Company:	PDC ENERGY	Local Co-ordinate Reference:	Well VEGA 16N
Project:	WELD COUNTY, COLORADO	TVD Reference:	WELL @ 4998.00usft (Original Well Elev)
Reference Site:	SE NW SEC. 6 T3N R65W 6th P.M.	MD Reference:	WELL @ 4998.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VEGA 16N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Reference	PROPOSAL #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999.98 usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	22/01/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	15,342.56	PROPOSAL #1 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SE NW SEC. 6 T3N R65W 6th P.M.						
ABDN VERT JJ WARDELL A - Wellbore #1 - Wellbore #1	9,290.83	7,251.07	936.76	891.36	20.633	CC
ABDN VERT JJ WARDELL A - Wellbore #1 - Wellbore #1	9,300.00	7,251.15	936.81	891.24	20.560	ES
ABDN VERT JJ WARDELL A - Wellbore #1 - Wellbore #1	9,600.00	7,253.82	986.46	935.49	19.356	SF
ABDN VERT LUDWIG GAS UNIT 4-6 - Wellbore #1 - De	6,559.81	6,524.80	949.36	920.47	32.855	CC, ES
ABDN VERT LUDWIG GAS UNIT 4-6 - Wellbore #1 - De	6,700.00	6,664.10	955.23	925.90	32.568	SF
EXIST DD BREST 4-31 - Wellbore #1 - Wellbore #1	5,321.59	5,140.57	6,912.38	6,899.31	528.914	CC
EXIST DD BREST 4-31 - Wellbore #1 - Wellbore #1	5,400.00	5,200.00	6,912.50	6,899.24	521.615	ES
EXIST DD BREST 4-31 - Wellbore #1 - Wellbore #1	10,100.00	7,073.32	9,984.83	9,924.23	164.773	SF
EXIST DD HSR-CUTLER 14-31 - Wellbore #1 - Wellbore	1,672.87	1,618.18	2,760.04	2,755.46	603.799	CC
EXIST DD HSR-CUTLER 14-31 - Wellbore #1 - Wellbore	6,561.37	6,533.23	2,760.69	2,744.59	171.467	ES
EXIST DD HSR-CUTLER 14-31 - Wellbore #1 - Wellbore	14,200.00	7,271.01	9,945.76	9,808.30	72.354	SF
EXIST DD LUDWIG H 6-31D - Wellbore #1 - Wellbore #1	4,561.35	4,639.78	2,539.47	2,508.57	82.182	CC
EXIST DD LUDWIG H 6-31D - Wellbore #1 - Wellbore #1	4,600.00	4,664.02	2,539.58	2,508.56	81.875	ES
EXIST DD LUDWIG H 6-31D - Wellbore #1 - Wellbore #1	15,342.56	7,422.93	9,415.57	9,233.96	51.844	SF
EXIST DD RURAL 19-31 - Wellbore #1 - Wellbore #1	6,058.22	6,085.51	3,699.25	3,669.71	125.242	CC
EXIST DD RURAL 19-31 - Wellbore #1 - Wellbore #1	6,300.00	6,313.67	3,699.90	3,669.47	121.602	ES
EXIST DD RURAL 19-31 - Wellbore #1 - Wellbore #1	13,400.00	7,298.43	9,991.21	9,846.33	68.963	SF
EXIST DD RURAL 21-31 - Wellbore #1 - Wellbore #1	1,386.52	779.00	4,851.00	4,846.02	973.630	CC, ES
EXIST DD RURAL 21-31 - Wellbore #1 - Wellbore #1	8,200.00	7,455.15	7,170.63	7,116.42	132.274	SF
EXIST DD RURAL 29-31 - Wellbore #1 - Wellbore #1	1,624.66	1,423.47	7,145.43	7,139.87	1,285.485	CC, ES
EXIST DD RURAL 29-31 - Wellbore #1 - Wellbore #1	9,600.00	7,362.30	9,988.71	9,922.98	151.980	SF
EXIST DD RURAL 31-31 - Wellbore #1 - Wellbore #1	1,665.55	1,573.12	5,751.49	5,746.00	1,048.094	CC, ES
EXIST DD RURAL 31-31 - Wellbore #1 - Wellbore #1	10,500.00	7,268.19	9,941.01	9,856.59	117.753	SF
EXIST DD RURAL 33-31 - Wellbore #1 - Wellbore #1	5,500.00	5,708.66	4,144.25	4,098.81	91.213	CC
EXIST DD RURAL 33-31 - Wellbore #1 - Wellbore #1	6,559.98	6,763.85	4,145.42	4,096.62	84.942	ES
EXIST DD RURAL 33-31 - Wellbore #1 - Wellbore #1	13,300.00	7,503.15	9,993.16	9,846.18	67.987	SF
EXIST DD WARDELL 33-6 - Wellbore #1 - Wellbore #1	8,872.70	7,379.11	2,497.19	2,441.53	44.862	CC
EXIST DD WARDELL 33-6 - Wellbore #1 - Wellbore #1	8,900.00	7,379.74	2,497.34	2,441.21	44.490	ES
EXIST DD WARDELL 33-6 - Wellbore #1 - Wellbore #1	11,000.00	7,448.62	3,279.64	3,185.18	34.718	SF
EXIST DD WARDELL 35-6 - Wellbore #1 - Wellbore #1	10,168.32	7,308.17	1,194.00	1,116.66	15.438	CC
EXIST DD WARDELL 35-6 - Wellbore #1 - Wellbore #1	10,200.00	7,308.13	1,194.42	1,116.49	15.328	ES
EXIST DD WARDELL 35-6 - Wellbore #1 - Wellbore #1	10,500.00	7,307.73	1,239.21	1,155.72	14.843	SF
EXIST HZ WARDELL 4G-7HZ - Wellbore #1 - Wellbore #	15,342.56	7,313.24	1,554.09	1,381.33	8.995	CC, ES, SF
EXIST VERT HSR-ANNA 12-6 - Wellbore #1 - Design #1	8,384.94	7,241.00	1,954.40	1,910.04	44.058	CC
EXIST VERT HSR-ANNA 12-6 - Wellbore #1 - Design #1	8,400.00	7,241.00	1,954.46	1,909.87	43.837	ES
EXIST VERT HSR-ANNA 12-6 - Wellbore #1 - Design #1	10,000.00	7,241.00	2,535.37	2,462.72	34.898	SF
EXIST VERT HSR-COOK 11-7A - Wellbore #1 - Design #	13,543.96	7,241.00	584.22	444.84	4.192	CC, ES

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well VEGA 16N
Project:	WELD COUNTY, COLORADO	TVD Reference:	WELL @ 4998.00usft (Original Well Elev)
Reference Site:	SE NW SEC. 6 T3N R65W 6th P.M.	MD Reference:	WELL @ 4998.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VEGA 16N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SE NW SEC. 6 T3N R65W 6th P.M.						
EXIST VERT HSR-COOK 11-7A - Wellbore #1 - Design #	13,600.00	7,241.00	586.90	446.46	4.179	SF
EXIST VERT HSR-FREY 13-6 - Wellbore #1 - Design #1	9,600.28	7,241.00	1,859.01	1,793.67	28.449	CC, ES
EXIST VERT HSR-FREY 13-6 - Wellbore #1 - Design #1	10,600.00	7,241.00	2,110.78	2,027.01	25.198	SF
EXIST VERT HSR-GARDNER 3-31A - Wellbore #1 - Des	6,559.81	6,524.80	6,664.22	6,635.33	230.630	CC, ES
EXIST VERT HSR-GARDNER 3-31A - Wellbore #1 - Des	10,300.00	7,241.00	9,989.82	9,911.63	127.761	SF
EXIST VERT HSR-GROMALA 5-7 - Wellbore #1 - Wellbo	12,215.11	7,242.42	2,002.10	1,902.32	20.064	CC, ES
EXIST VERT HSR-GROMALA 5-7 - Wellbore #1 - Wellbo	13,000.00	7,233.49	2,150.44	2,035.77	18.754	SF
EXIST VERT HSR-HARLAND 3-7A - Wellbore #1 - Desig	10,885.26	7,241.00	578.61	489.51	6.494	CC
EXIST VERT HSR-HARLAND 3-7A - Wellbore #1 - Desig	10,900.00	7,241.00	578.80	489.42	6.476	ES
EXIST VERT HSR-HARLAND 3-7A - Wellbore #1 - Desig	11,000.00	7,241.00	589.88	498.63	6.465	SF
EXIST VERT HSR-JANA 11-6A - Wellbore #1 - Design #1	8,297.12	7,241.00	543.42	500.37	12.623	CC
EXIST VERT HSR-JANA 11-6A - Wellbore #1 - Design #1	8,302.21	7,241.00	543.44	500.32	12.602	ES
EXIST VERT HSR-JANA 11-6A - Wellbore #1 - Design #1	8,400.00	7,241.00	552.81	508.23	12.399	SF
EXIST VERT HSR-KIRKHAM 12-31A - Wellbore #1 - Des	6,559.81	6,524.80	4,615.72	4,586.89	160.090	CC, ES
EXIST VERT HSR-KIRKHAM 12-31A - Wellbore #1 - Des	12,500.00	7,241.00	9,905.66	9,786.11	82.860	SF
EXIST VERT HSR-MASSEY 5-31 - Wellbore #1 - Wellbo	3,092.35	2,941.54	5,689.26	5,681.57	740.152	CC
EXIST VERT HSR-MASSEY 5-31 - Wellbore #1 - Wellbo	3,600.00	3,439.15	5,689.85	5,680.97	640.358	ES
EXIST VERT HSR-MASSEY 5-31 - Wellbore #1 - Wellbo	11,400.00	7,150.00	9,965.68	9,880.95	117.616	SF
EXIST VERT HSR-METZ 13-31 - Wellbore #1 - Design #	6,559.81	6,524.80	3,081.37	3,052.54	106.898	CC, ES
EXIST VERT HSR-METZ 13-31 - Wellbore #1 - Design #	14,200.00	7,241.00	9,945.82	9,793.95	65.490	SF
EXIST VERT HSR-NIAL 13-7 - Wellbore #1 - Wellbore #	14,788.70	7,241.07	1,895.16	1,746.31	12.732	CC
EXIST VERT HSR-NIAL 13-7 - Wellbore #1 - Wellbore #	14,800.00	7,241.10	1,895.19	1,746.13	12.714	ES
EXIST VERT HSR-NIAL 13-7 - Wellbore #1 - Wellbore #	15,200.00	7,242.33	1,939.28	1,782.58	12.376	SF
EXIST VERT HSR-NORRIS 4-7 - Wellbore #1 - Design #	11,538.02	7,241.00	1,159.40	1,058.04	11.438	CC, ES
EXIST VERT HSR-NORRIS 4-7 - Wellbore #1 - Design #	11,800.00	7,241.00	1,188.63	1,082.32	11.182	SF
EXIST VERT HSR-REWANK 4-7A - Wellbore #1 - Desig	10,890.02	7,241.00	1,887.85	1,798.67	21.167	CC
EXIST VERT HSR-REWANK 4-7A - Wellbore #1 - Desig	10,900.00	7,241.00	1,887.88	1,798.50	21.124	ES
EXIST VERT HSR-REWANK 4-7A - Wellbore #1 - Desig	11,600.00	7,241.00	2,016.94	1,914.41	19.672	SF
EXIST VERT HSR-ROEDER 14-7A - Wellbore #1 - Desig	14,714.76	7,241.00	762.81	601.13	4.718	CC, ES
EXIST VERT HSR-ROEDER 14-7A - Wellbore #1 - Desig	14,800.00	7,241.00	767.56	604.25	4.700	SF
EXIST VERT HSR-SELLS 13-31 - Wellbore #1 - Design	6,559.81	6,524.80	3,346.09	3,317.26	116.052	CC, ES
EXIST VERT HSR-SELLS 13-31 - Wellbore #1 - Design	13,800.00	7,241.00	9,967.66	9,823.41	69.100	SF
EXIST VERT HSR-SIAMAS 6-31 - Wellbore #1 - Design	6,559.81	6,524.80	5,366.17	5,337.28	185.729	CC, ES
EXIST VERT HSR-SIAMAS 6-31 - Wellbore #1 - Design	11,600.00	7,241.00	9,988.36	9,885.83	97.420	SF
EXIST VERT HSR-TUDOR 11-31A - Wellbore #1 - Desig	6,559.81	6,524.80	4,076.01	4,047.13	141.124	CC, ES
EXIST VERT HSR-TUDOR 11-31A - Wellbore #1 - Desig	12,900.00	7,241.00	9,987.56	9,860.42	78.558	SF
EXIST VERT HSR-UPSON 14-6 - Wellbore #1 - Design #	9,416.77	7,241.00	486.29	424.26	7.839	CC, ES
EXIST VERT HSR-UPSON 14-6 - Wellbore #1 - Design #	9,500.00	7,241.00	493.36	429.83	7.766	SF
EXIST VERT KNAUB 1-6 - Wellbore #1 - Design #1	6,559.81	6,524.80	2,323.69	2,294.84	80.537	CC, ES
EXIST VERT KNAUB 1-6 - Wellbore #1 - Design #1	15,342.56	7,241.00	9,958.21	9,784.55	57.344	SF
EXIST VERT KNAUB 2-6 - Wellbore #1 - Design #1	6,559.81	6,524.80	1,492.95	1,464.10	51.755	CC, ES
EXIST VERT KNAUB 2-6 - Wellbore #1 - Design #1	6,600.00	6,564.97	1,494.02	1,465.05	51.574	SF
EXIST VERT LUDWIG 3-6 - Wellbore #1 - Design #1	6,559.81	6,524.80	1,807.18	1,778.18	62.320	CC
EXIST VERT LUDWIG 3-6 - Wellbore #1 - Design #1	6,600.00	6,564.97	1,807.23	1,778.07	61.972	ES
EXIST VERT LUDWIG 3-6 - Wellbore #1 - Design #1	11,700.00	7,241.00	5,158.80	5,054.39	49.407	SF
EXIST VERT LUDWIG H 6-19 - Wellbore #1 - Design #1	6,559.81	6,524.80	1,440.63	1,411.73	49.855	CC, ES
EXIST VERT LUDWIG H 6-19 - Wellbore #1 - Design #1	6,750.00	6,712.76	1,451.38	1,421.94	49.305	SF
EXIST VERT LUDWIG H 6-6X - Wellbore #1 - Design #1	6,942.44	6,889.49	357.29	327.02	11.804	CC, ES
EXIST VERT LUDWIG H 6-6X - Wellbore #1 - Design #1	7,000.00	6,937.80	358.65	328.24	11.791	SF
EXIST VERT OBERKFELL 6-7A - Wellbore #1 - Design #	11,993.35	7,241.00	744.84	634.89	6.774	CC
EXIST VERT OBERKFELL 6-7A - Wellbore #1 - Design #	12,000.00	7,241.00	744.87	634.79	6.767	ES
EXIST VERT OBERKFELL 6-7A - Wellbore #1 - Design #	12,100.00	7,241.00	752.44	640.47	6.720	SF
EXIST VERT PRINVALE 12-7A - Wellbore #1 - Design #	13,384.49	7,241.00	1,608.03	1,471.69	11.794	CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	PDC ENERGY	Local Co-ordinate Reference:	Well VEGA 16N
Project:	WELD COUNTY, COLORADO	TVD Reference:	WELL @ 4998.00usft (Original Well Elev)
Reference Site:	SE NW SEC. 6 T3N R65W 6th P.M.	MD Reference:	WELL @ 4998.00usft (Original Well Elev)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VEGA 16N	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	Database:	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
SE NW SEC. 6 T3N R65W 6th P.M.						
EXIST VERT PRINVALE 12-7A - Wellbore #1 - Design #	13,400.00	7,241.00	1,608.10	1,471.47	11.769	ES
EXIST VERT PRINVALE 12-7A - Wellbore #1 - Design #	13,700.00	7,241.00	1,638.69	1,496.34	11.512	SF
EXIST VERT RURAL 18-31 - Wellbore #1 - Design #1	6,559.81	6,524.80	6,055.88	6,027.02	209.770	CC, ES
EXIST VERT RURAL 18-31 - Wellbore #1 - Design #1	10,900.00	7,241.00	9,946.95	9,857.57	111.297	SF
EXIST VERT RURAL 22-31 - Wellbore #1 - Design #1	6,559.81	6,524.80	4,754.56	4,725.70	164.764	CC, ES
EXIST VERT RURAL 22-31 - Wellbore #1 - Design #1	12,200.00	7,241.00	9,907.36	9,793.50	87.010	SF
EXIST VERT RURAL 23-31 - Wellbore #1 - Design #1	6,559.81	6,524.80	3,396.00	3,367.09	117.451	CC, ES
EXIST VERT RURAL 23-31 - Wellbore #1 - Design #1	13,500.00	7,241.00	9,924.76	9,786.22	71.638	SF
EXIST VERT UPRR 21 PAN AM/N/#1 - Wellbore #1 - De	4,700.00	4,664.99	7,109.30	7,088.76	346.120	CC, ES
EXIST VERT UPRR 21 PAN AM/N/#1 - Wellbore #1 - De	9,500.00	4,686.00	9,919.83	9,880.53	252.423	SF
EXIST VERT WARDELL 13-6 - Wellbore #1 - Design #1	8,960.38	7,241.00	1,205.35	1,151.40	22.341	CC
EXIST VERT WARDELL 13-6 - Wellbore #1 - Design #1	9,000.00	7,241.00	1,206.00	1,151.36	22.072	ES
EXIST VERT WARDELL 13-6 - Wellbore #1 - Design #1	9,400.00	7,241.00	1,283.02	1,221.29	20.785	SF
EXIST VERT WARDELL 22-7 - Wellbore #1 - Wellbore #	12,808.67	7,278.55	1,272.38	1,161.33	11.458	CC, ES
EXIST VERT WARDELL 22-7 - Wellbore #1 - Wellbore #	13,100.00	7,265.05	1,305.24	1,188.65	11.195	SF
EXIST VERT WARDELL 3-7-5Z - Wellbore #1 - Wellbore	14,199.89	7,238.43	1,358.73	1,220.68	9.843	CC
EXIST VERT WARDELL 3-7-5Z - Wellbore #1 - Wellbore	14,200.00	7,238.42	1,358.73	1,220.68	9.843	ES
EXIST VERT WARDELL 3-7-5Z - Wellbore #1 - Wellbore	14,500.00	7,229.53	1,391.45	1,247.69	9.679	SF
VEGA 10N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	89.98	88.91	83.929	CC, ES
VEGA 10N - ORIGINAL WELLBORE - PROPOSAL #1	15,342.56	15,764.59	2,054.55	1,740.55	6.543	SF
VEGA 11N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	75.01	73.94	69.964	CC, ES
VEGA 11N - ORIGINAL WELLBORE - PROPOSAL #1	10,900.00	10,719.09	1,705.59	1,565.64	12.187	SF
VEGA 12N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	59.96	58.89	55.930	CC, ES
VEGA 12N - ORIGINAL WELLBORE - PROPOSAL #1	15,342.56	15,480.47	1,254.73	940.31	3.991	SF
VEGA 14N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	30.02	28.95	27.999	CC, ES
VEGA 14N - ORIGINAL WELLBORE - PROPOSAL #1	15,342.56	15,393.18	649.86	335.17	2.065	SF
VEGA 15N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	15.01	13.94	14.000	CC, ES
VEGA 15N - ORIGINAL WELLBORE - PROPOSAL #1	15,342.56	15,264.10	336.73	34.67	1.115	Level 2, SF
VEGA 1N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	119.97	118.89	111.894	CC, ES
VEGA 1N - ORIGINAL WELLBORE - PROPOSAL #1	1,900.00	1,831.67	335.83	326.41	35.652	SF
VEGA 2N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	135.01	133.94	125.928	CC, ES
VEGA 2N - ORIGINAL WELLBORE - PROPOSAL #1	9,700.00	7,300.00	2,595.07	2,517.60	33.497	SF
VEGA 3N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	149.95	148.88	139.859	CC, ES
VEGA 3N - ORIGINAL WELLBORE - PROPOSAL #1	9,300.00	7,169.10	2,169.39	2,101.09	31.764	SF
VEGA 4N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	164.96	163.89	153.859	CC, ES
VEGA 4N - ORIGINAL WELLBORE - PROPOSAL #1	8,900.00	7,167.99	1,705.44	1,645.07	28.247	SF
VEGA 5N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	180.00	178.93	167.892	CC, ES
VEGA 5N - ORIGINAL WELLBORE - PROPOSAL #1	8,302.21	7,189.43	1,117.23	1,069.16	23.242	SF
VEGA 6N - ORIGINAL PROPOSAL - PROPOSAL #1	300.00	300.00	194.98	193.90	181.858	CC, ES
VEGA 6N - ORIGINAL PROPOSAL - PROPOSAL #1	7,800.00	7,466.80	633.65	593.59	15.817	SF
VEGA 7N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	209.99	208.91	195.857	CC, ES
VEGA 7N - ORIGINAL WELLBORE - PROPOSAL #1	7,400.00	7,729.36	271.36	236.18	7.712	SF
VEGA 8N - ORIGINAL WELLBORE - PROPOSAL #1	7,594.53	7,613.24	53.96	17.54	1.482	Level 3, CC, ES
VEGA 8N - ORIGINAL WELLBORE - PROPOSAL #1	7,600.00	7,608.09	53.99	17.54	1.481	Level 3, SF
VEGA 9N - ORIGINAL WELLBORE - PROPOSAL #1	300.00	300.00	104.99	103.92	97.929	CC, ES
VEGA 9N - ORIGINAL WELLBORE - PROPOSAL #1	15,342.56	15,441.40	2,381.26	2,071.99	7.699	SF