

# **BISON OIL & GAS II, LLC**

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

**NW NE SEC. 27 T9N R60 W 6th P.M.**

**BASHOR 9-60 27B-34-4**

**ORIGINAL WELLBORE**

**03 July, 2017**

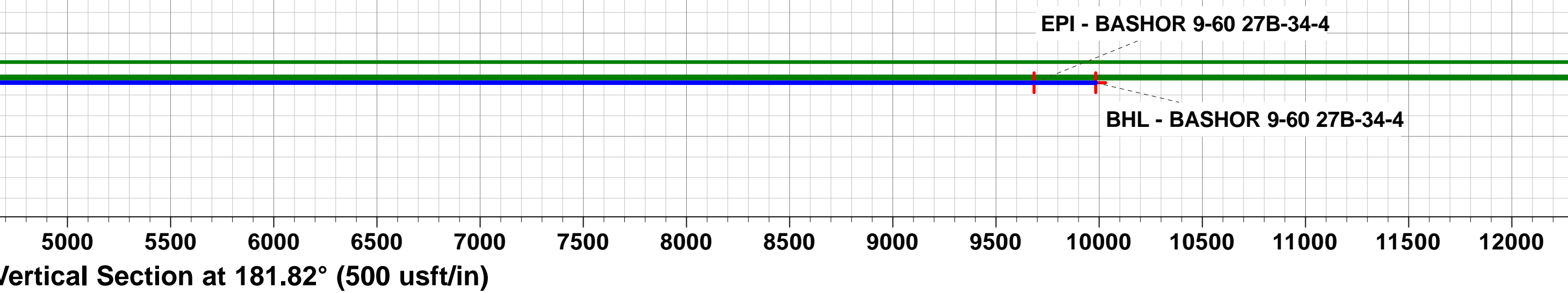
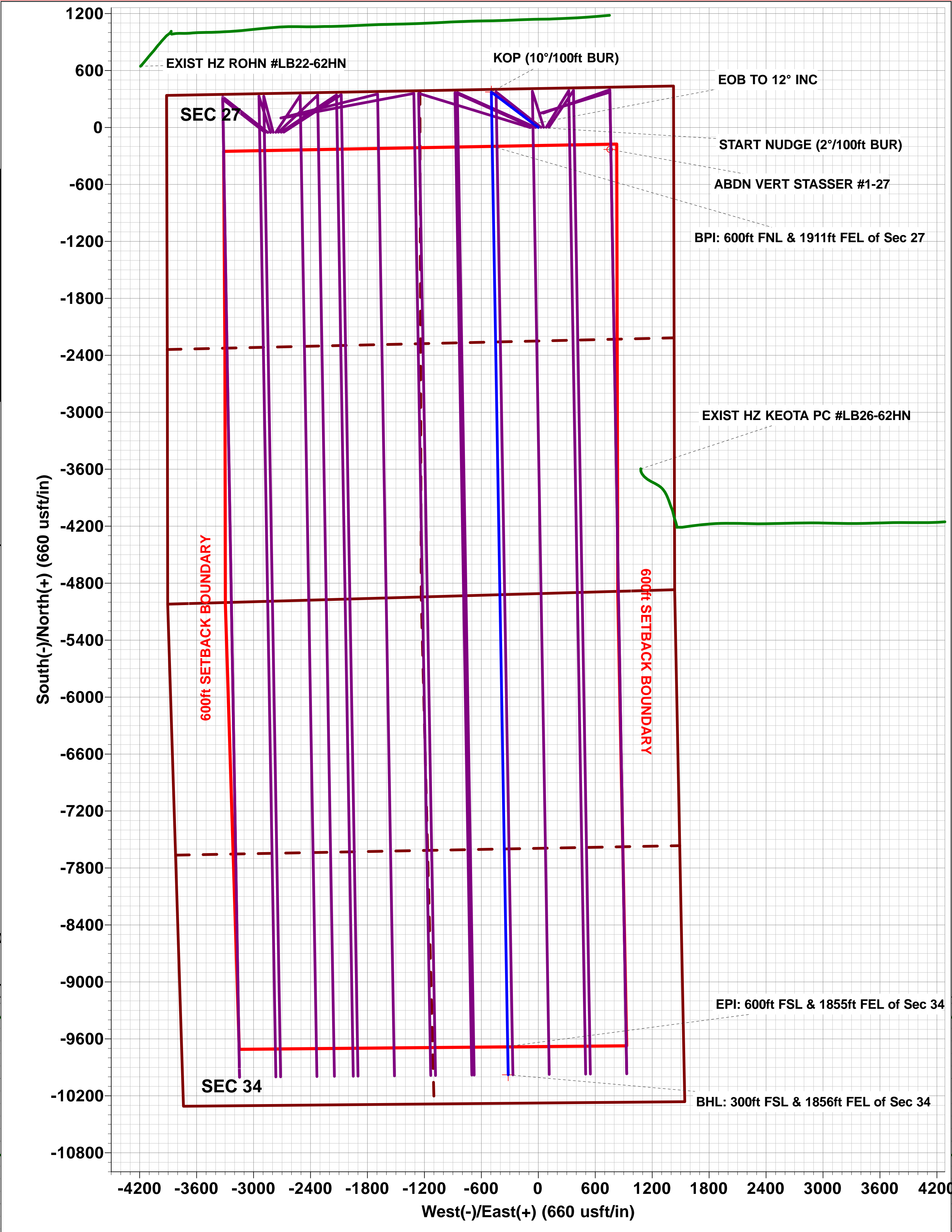
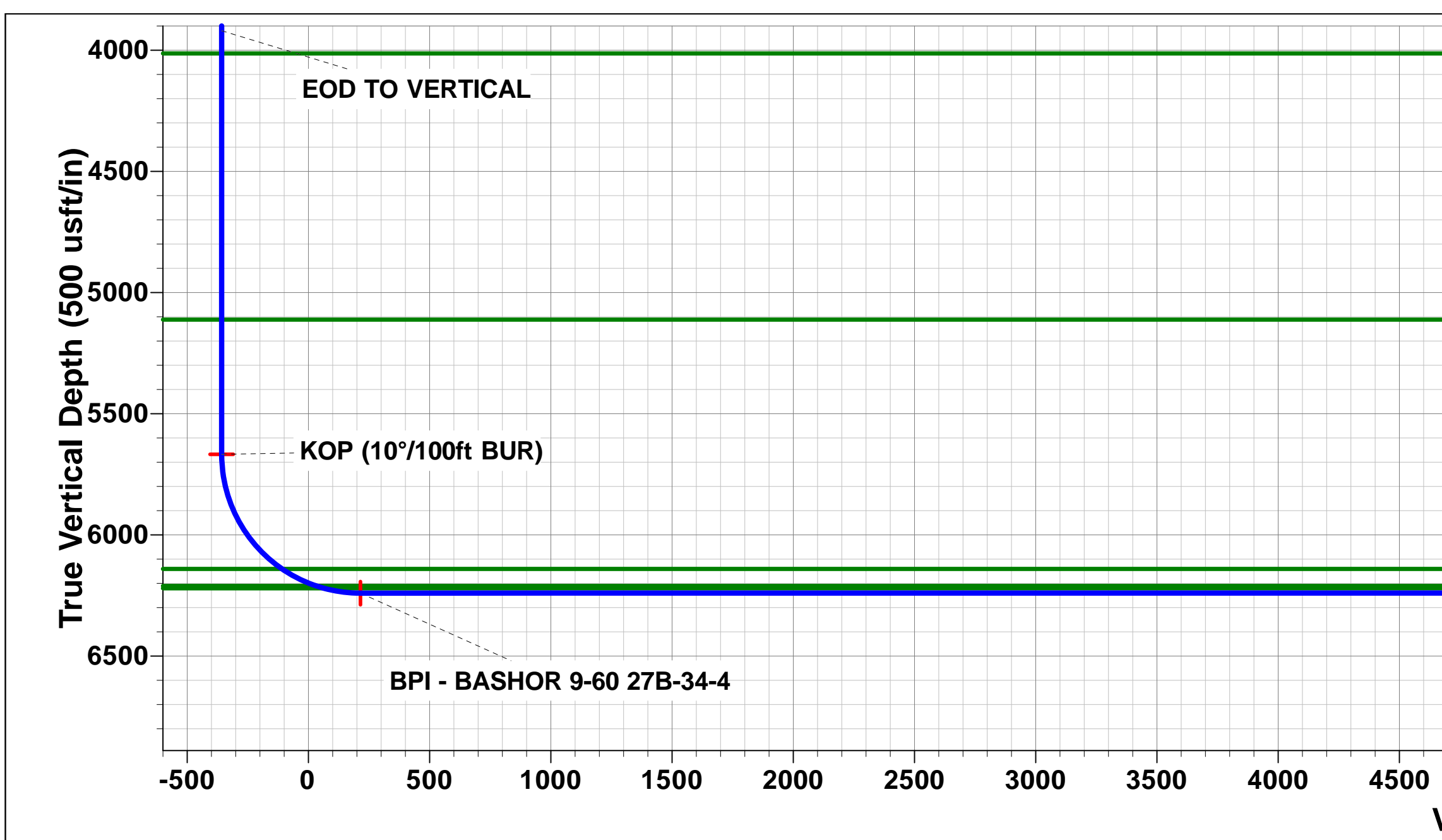
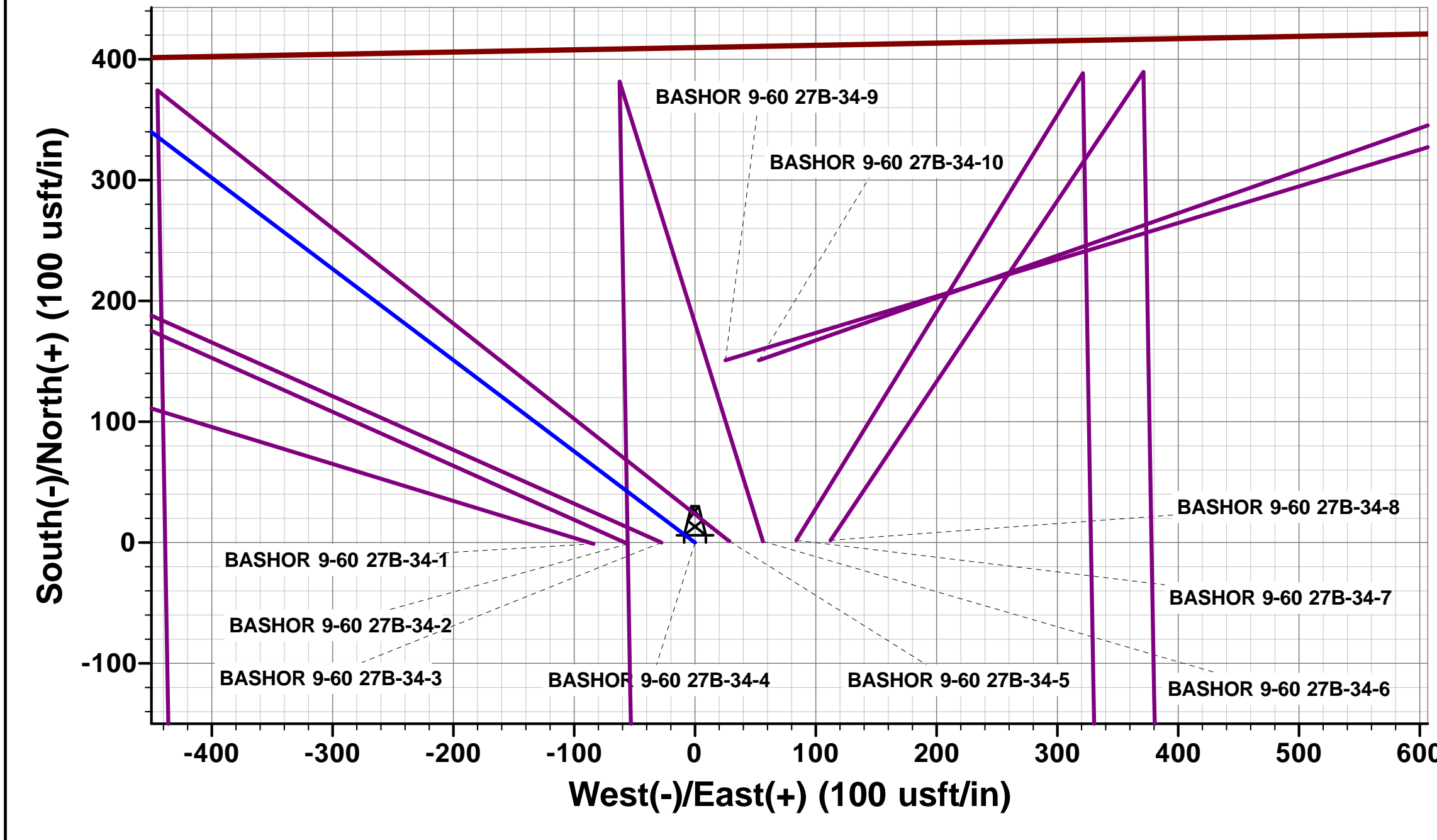
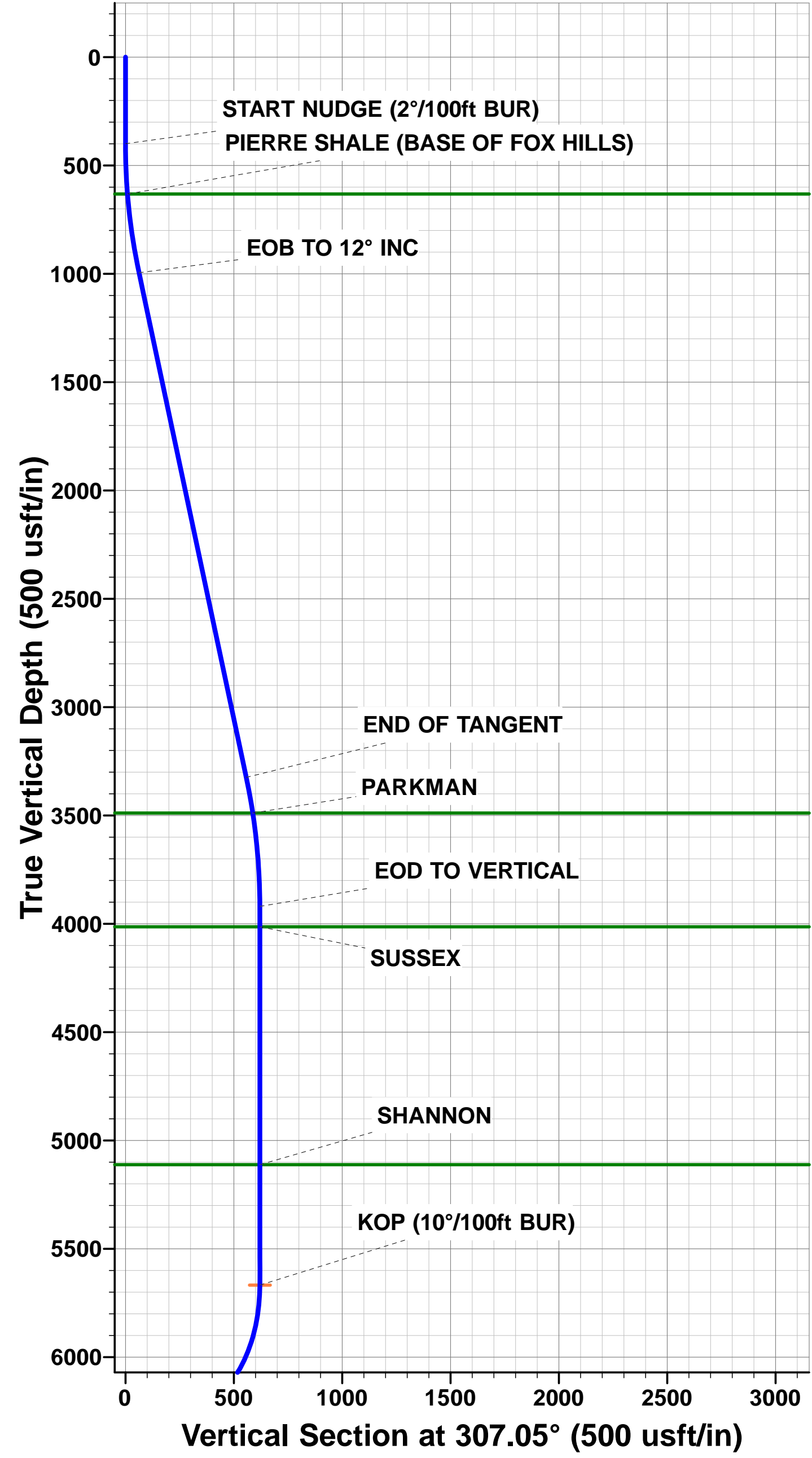
**Plan: PROPOSAL #1**





Project: WELD COUNTY, COLORADO (NAD 83)  
Site: NW NE SEC. 27 T9N R60 W 6th P.M.  
Well: BASHOR 9-60 27B-34-4  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #1

ANNOTATIONS										PROPOSED LOCAL COORDINATES:  SHL: 410ft FNL & 1425ft FEL Sec 27  BPI: 600ft FNL & 1911ft FEL Sec 27  EPI: 600ft FSL & 1855ft FEL Sec 34  BHL: 300ft FSL & 1856ft FEL of Sec 34
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation		
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	SHL: 410ft FNL & 1425ft FEL of Sec 27		
400.0	400.0	0.00	0.00	0.0	0.0	0.0	0.0	START NUDGE (2°/100ft BUR)		
995.5	999.9	12.00	307.05	37.7	-49.9	-36.1	62.6	EOB TO 12° INC		
3324.1	3380.5	12.00	307.05	335.9	-444.9	-321.6	557.4	END OF TANGENT		
3919.6	3980.3	0.00	0.00	373.6	-494.8	-357.7	620.0	EOD TO VERTICAL		
5667.6	5728.3	0.00	0.00	373.6	-494.8	-357.7	620.0	KOP (10°/100ft BUR)		
6240.5	6628.3	90.00	179.02	-199.3	-485.0	214.6	1193.0	BPI: 600ft FNL & 1911ft FEL of Sec 27		
6240.5	16109.6	90.00	179.01	-9679.1	-322.8	9684.5	10674.2	EPI: 600ft FSL & 1855ft FEL of Sec 34		
6240.5	16409.1	90.00	178.97	-9978.6	-317.5	9983.7	10973.7	BHL: 300ft FSL & 1856ft FEL of Sec 34		
WELLBORE TARGET DETAILS (LAT/LONG)										
Name					TVD	+N/-S	+E/-W	Latitude	Longitude	
KOP - BASHOR 9-60 27B-34-4					5667.6	373.6	-494.8	40.728264	-104.075682	
BHL - BASHOR 9-60 27B-34-4					6240.5	-9978.6	-317.5	40.699850	-104.075042	
BPI - BASHOR 9-60 27B-34-4					6240.5	-199.3	-485.0	40.726692	-104.075647	
EPI - BASHOR 9-60 27B-34-4					6240.5	-9679.1	-322.8	40.700672	-104.075061	



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BASHOR 9-60 27B-34-4
<b>Company:</b>	BISON OIL & GAS II, LLC	<b>TVD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Site:</b>	NW NE SEC. 27 T9N R60 W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	BASHOR 9-60 27B-34-4	<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>	NW NE SEC. 27 T9N R60 W 6th P.M.		
<b>Site Position:</b>		<b>Northing:</b>	1,510,953.37 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,395,166.17 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	1.10000ft
		<b>Latitude:</b>	40.727236
		<b>Longitude:</b>	-104.074200
		<b>Grid Convergence:</b>	0.92 °

<b>Well</b>	BASHOR 9-60 27B-34-4		
<b>Well Position</b>	<b>+N/-S</b>	1.1 usft	<b>Northing:</b>
	<b>+E/-W</b>	84.0 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	03/07/2017	7.86	67.22	52,625

<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>
	6,240.5	0.0	0.0	181.82

<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	-5,016.5	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	-4,616.5	0.0	0.0	0.00	0.00	0.00	0.00	
999.9	12.00	307.05	995.5	-4,021.0	37.7	-49.9	2.00	2.00	0.00	307.05	
3,380.5	12.00	307.05	3,324.1	-1,692.4	335.9	-444.9	0.00	0.00	0.00	0.00	
3,980.3	0.00	0.00	3,919.6	-1,096.9	373.6	-494.8	2.00	-2.00	0.00	180.00	
5,728.3	0.00	0.00	5,667.6	651.1	373.6	-494.8	0.00	0.00	0.00	0.00	KOP - BASHOR 9-60
6,628.3	90.00	179.02	6,240.5	1,224.0	-199.3	-485.0	10.00	10.00	19.89	179.02	BPI - BASHOR 9-60
16,109.6	90.00	179.01	6,240.5	1,224.0	-9,679.1	-322.8	0.00	0.00	0.00	-130.56	EPI - BASHOR 9-60
16,409.1	90.00	178.97	6,240.5	1,224.0	-9,978.6	-317.5	0.01	0.00	-0.01	-76.93	BHL - BASHOR 9-60

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BASHOR 9-60 27B-34-4
<b>Company:</b>	BISON OIL & GAS II, LLC	<b>TVD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Site:</b>	NW NE SEC. 27 T9N R60 W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	BASHOR 9-60 27B-34-4	<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)
<b>SHL: 410ft FNL &amp; 1425ft FEL of Sec 27</b>										
0.0	0.00	0.00	0.0	5,016.50	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	4,916.50	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	4,816.50	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	4,716.50	0.0	0.0	0.0	0.00	0.00	0.00
<b>START NUDGE (2°/100ft BUR)</b>										
400.0	0.00	0.00	400.0	4,616.50	0.0	0.0	0.0	0.00	0.00	0.00
500.0	2.00	307.05	500.0	4,516.52	1.1	-1.4	-1.0	2.00	2.00	0.00
600.0	4.00	307.05	599.8	4,416.66	4.2	-5.6	-4.0	2.00	2.00	0.00
<b>PIERRE SHALE (BASE OF FOX HILLS)</b>										
631.8	4.64	307.05	631.5	4,385.00	5.6	-7.5	-5.4	2.00	2.00	0.00
700.0	6.00	307.05	699.5	4,317.05	9.5	-12.5	-9.1	2.00	2.00	0.00
800.0	8.00	307.05	798.7	4,217.80	16.8	-22.2	-16.1	2.00	2.00	0.00
900.0	10.00	307.05	897.5	4,119.03	26.2	-34.7	-25.1	2.00	2.00	0.00
<b>EOB TO 12° INC</b>										
999.9	12.00	307.05	995.5	4,021.00	37.7	-49.9	-36.1	2.00	2.00	0.00
1,000.0	12.00	307.05	995.6	4,020.88	37.7	-50.0	-36.1	0.00	0.00	0.00
1,100.0	12.00	307.05	1,093.4	3,923.06	50.2	-66.5	-48.1	0.00	0.00	0.00
1,200.0	12.00	307.05	1,191.3	3,825.25	62.8	-83.1	-60.1	0.00	0.00	0.00
1,300.0	12.00	307.05	1,289.1	3,727.43	75.3	-99.7	-72.1	0.00	0.00	0.00
1,400.0	12.00	307.05	1,386.9	3,629.61	87.8	-116.3	-84.1	0.00	0.00	0.00
1,500.0	12.00	307.05	1,484.7	3,531.80	100.4	-132.9	-96.1	0.00	0.00	0.00
1,600.0	12.00	307.05	1,582.5	3,433.98	112.9	-149.5	-108.1	0.00	0.00	0.00
1,700.0	12.00	307.05	1,680.3	3,336.17	125.4	-166.1	-120.1	0.00	0.00	0.00
1,800.0	12.00	307.05	1,778.1	3,238.35	137.9	-182.7	-132.0	0.00	0.00	0.00
1,900.0	12.00	307.05	1,876.0	3,140.54	150.5	-199.3	-144.0	0.00	0.00	0.00
2,000.0	12.00	307.05	1,973.8	3,042.72	163.0	-215.9	-156.0	0.00	0.00	0.00
2,100.0	12.00	307.05	2,071.6	2,944.90	175.5	-232.4	-168.0	0.00	0.00	0.00
2,200.0	12.00	307.05	2,169.4	2,847.09	188.0	-249.0	-180.0	0.00	0.00	0.00
2,300.0	12.00	307.05	2,267.2	2,749.27	200.6	-265.6	-192.0	0.00	0.00	0.00
2,400.0	12.00	307.05	2,365.0	2,651.46	213.1	-282.2	-204.0	0.00	0.00	0.00
2,500.0	12.00	307.05	2,462.9	2,553.64	225.6	-298.8	-216.0	0.00	0.00	0.00
2,600.0	12.00	307.05	2,560.7	2,455.83	238.1	-315.4	-228.0	0.00	0.00	0.00
2,700.0	12.00	307.05	2,658.5	2,358.01	250.7	-332.0	-240.0	0.00	0.00	0.00
2,800.0	12.00	307.05	2,756.3	2,260.19	263.2	-348.6	-252.0	0.00	0.00	0.00
2,900.0	12.00	307.05	2,854.1	2,162.38	275.7	-365.2	-264.0	0.00	0.00	0.00
3,000.0	12.00	307.05	2,951.9	2,064.56	288.2	-381.7	-276.0	0.00	0.00	0.00
3,100.0	12.00	307.05	3,049.8	1,966.75	300.8	-398.3	-287.9	0.00	0.00	0.00
3,200.0	12.00	307.05	3,147.6	1,868.93	313.3	-414.9	-299.9	0.00	0.00	0.00
3,300.0	12.00	307.05	3,245.4	1,771.12	325.8	-431.5	-311.9	0.00	0.00	0.00
<b>END OF TANGENT</b>										
3,380.5	12.00	307.05	3,324.1	1,692.40	335.9	-444.9	-321.6	0.00	0.00	0.00
3,400.0	11.61	307.05	3,343.2	1,673.29	338.3	-448.0	-323.9	2.00	-2.00	0.00
3,500.0	9.61	307.05	3,441.5	1,575.00	349.4	-462.7	-334.5	2.00	-2.00	0.00
<b>PARKMAN</b>										
3,547.6	8.65	307.05	3,488.5	1,528.00	353.9	-468.8	-338.9	2.00	-2.00	0.00
3,600.0	7.61	307.05	3,540.4	1,476.13	358.4	-474.7	-343.1	2.00	-2.00	0.00
3,700.0	5.61	307.05	3,639.7	1,376.80	365.3	-483.9	-349.8	2.00	-2.00	0.00
3,800.0	3.61	307.05	3,739.4	1,277.13	370.2	-490.3	-354.4	2.00	-2.00	0.00
3,900.0	1.61	307.05	3,839.3	1,177.24	372.9	-493.9	-357.0	2.00	-2.00	0.00
<b>EOD TO VERTICAL</b>										
3,980.3	0.00	0.00	3,919.6	1,096.90	373.6	-494.8	-357.7	2.00	-2.00	0.00
4,000.0	0.00	0.00	3,939.3	1,077.25	373.6	-494.8	-357.7	0.00	0.00	0.00



# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BASHOR 9-60 27B-34-4
<b>Company:</b>	BISON OIL & GAS II, LLC	<b>TVD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Site:</b>	NW NE SEC. 27 T9N R60 W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	BASHOR 9-60 27B-34-4	<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)
<b>SUSSEX</b>										
4,074.2	0.00	0.00	4,013.5	1,003.00	373.6	-494.8	-357.7	0.00	0.00	0.00
4,100.0	0.00	0.00	4,039.3	977.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,200.0	0.00	0.00	4,139.3	877.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,300.0	0.00	0.00	4,239.3	777.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,400.0	0.00	0.00	4,339.3	677.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,500.0	0.00	0.00	4,439.3	577.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,600.0	0.00	0.00	4,539.3	477.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,700.0	0.00	0.00	4,639.3	377.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,800.0	0.00	0.00	4,739.3	277.25	373.6	-494.8	-357.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,839.3	177.25	373.6	-494.8	-357.7	0.00	0.00	0.00
5,000.0	0.00	0.00	4,939.3	77.25	373.6	-494.8	-357.7	0.00	0.00	0.00
5,100.0	0.00	0.00	5,039.3	-22.75	373.6	-494.8	-357.7	0.00	0.00	0.00
<b>SHANNON</b>										
5,172.2	0.00	0.00	5,111.5	-95.00	373.6	-494.8	-357.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,139.3	-122.75	373.6	-494.8	-357.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,239.3	-222.75	373.6	-494.8	-357.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,339.3	-322.75	373.6	-494.8	-357.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,439.3	-422.75	373.6	-494.8	-357.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,539.3	-522.75	373.6	-494.8	-357.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,639.3	-622.75	373.6	-494.8	-357.7	0.00	0.00	0.00
<b>KOP (10°/100ft BUR)</b>										
5,728.3	0.00	0.00	5,667.6	-651.10	373.6	-494.8	-357.7	0.00	0.00	0.00
5,800.0	7.17	179.02	5,739.1	-722.57	369.1	-494.7	-353.2	10.00	10.00	0.00
5,900.0	17.17	179.02	5,836.7	-820.20	348.1	-494.4	-332.2	10.00	10.00	0.00
6,000.0	27.17	179.02	5,929.2	-912.69	310.4	-493.7	-294.5	10.00	10.00	0.00
6,100.0	37.17	179.02	6,013.7	-997.23	257.2	-492.8	-241.4	10.00	10.00	0.00
6,200.0	47.17	179.02	6,087.7	-1,071.25	190.2	-491.7	-174.5	10.00	10.00	0.00
<b>SHARON SPRINGS SHALE</b>										
6,284.6	55.63	179.02	6,140.5	-1,124.00	124.1	-490.6	-108.5	10.00	10.00	0.00
6,300.0	57.17	179.02	6,149.0	-1,132.50	111.3	-490.3	-95.7	10.00	10.00	0.00
6,400.0	67.17	179.02	6,195.6	-1,179.13	23.0	-488.8	-7.5	10.00	10.00	0.00
<b>NIORARA FORMATION</b>										
6,442.0	71.38	179.02	6,210.5	-1,194.00	-16.3	-488.2	31.8	10.00	10.00	0.00
<b>NIORARA A CHALK</b>										
6,476.4	74.82	179.02	6,220.5	-1,204.00	-49.2	-487.6	64.7	10.00	10.00	0.00
6,500.0	77.17	179.02	6,226.2	-1,209.70	-72.0	-487.2	87.5	10.00	10.00	0.00
6,600.0	87.17	179.02	6,239.8	-1,223.30	-171.0	-485.5	186.3	10.00	10.00	0.00
<b>BPI: 600ft FNL &amp; 1911ft FEL of Sec 27</b>										
6,628.3	90.00	179.02	6,240.5	-1,224.00	-199.3	-485.0	214.6	10.00	10.00	0.00
6,700.0	90.00	179.02	6,240.5	-1,223.99	-270.9	-483.8	286.2	0.00	0.00	0.00
6,800.0	90.00	179.02	6,240.5	-1,223.99	-370.9	-482.1	386.1	0.00	0.00	0.00
6,900.0	90.00	179.02	6,240.5	-1,223.98	-470.9	-480.4	486.0	0.00	0.00	0.00
7,000.0	90.00	179.02	6,240.5	-1,223.97	-570.9	-478.7	585.8	0.00	0.00	0.00
7,100.0	90.00	179.02	6,240.5	-1,223.96	-670.9	-477.0	685.7	0.00	0.00	0.00
7,200.0	90.00	179.02	6,240.5	-1,223.96	-770.9	-475.3	785.6	0.00	0.00	0.00
7,300.0	90.00	179.02	6,240.4	-1,223.95	-870.9	-473.6	885.5	0.00	0.00	0.00
7,400.0	90.00	179.02	6,240.4	-1,223.94	-970.8	-471.9	985.4	0.00	0.00	0.00
7,500.0	90.00	179.02	6,240.4	-1,223.93	-1,070.8	-470.2	1,085.2	0.00	0.00	0.00
7,600.0	90.00	179.02	6,240.4	-1,223.93	-1,170.8	-468.5	1,185.1	0.00	0.00	0.00
7,700.0	90.00	179.02	6,240.4	-1,223.92	-1,270.8	-466.8	1,285.0	0.00	0.00	0.00
7,800.0	90.00	179.02	6,240.4	-1,223.91	-1,370.8	-465.1	1,384.9	0.00	0.00	0.00
7,900.0	90.00	179.02	6,240.4	-1,223.91	-1,470.8	-463.4	1,484.8	0.00	0.00	0.00

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BASHOR 9-60 27B-34-4
<b>Company:</b>	BISON OIL & GAS II, LLC	<b>TVD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Site:</b>	NW NE SEC. 27 T9N R60 W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	BASHOR 9-60 27B-34-4	<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)
8,000.0	90.00	179.02	6,240.4	-1,223.90	-1,570.8	-461.7	1,584.6	0.00	0.00	0.00
8,100.0	90.00	179.02	6,240.4	-1,223.90	-1,670.7	-460.0	1,684.5	0.00	0.00	0.00
8,200.0	90.00	179.02	6,240.4	-1,223.89	-1,770.7	-458.3	1,784.4	0.00	0.00	0.00
8,300.0	90.00	179.02	6,240.4	-1,223.88	-1,870.7	-456.6	1,884.3	0.00	0.00	0.00
8,400.0	90.00	179.02	6,240.4	-1,223.88	-1,970.7	-454.9	1,984.2	0.00	0.00	0.00
8,500.0	90.00	179.02	6,240.4	-1,223.87	-2,070.7	-453.2	2,084.1	0.00	0.00	0.00
8,600.0	90.00	179.02	6,240.4	-1,223.87	-2,170.7	-451.5	2,183.9	0.00	0.00	0.00
8,700.0	90.00	179.02	6,240.4	-1,223.86	-2,270.7	-449.7	2,283.8	0.00	0.00	0.00
8,800.0	90.00	179.02	6,240.4	-1,223.86	-2,370.6	-448.0	2,383.7	0.00	0.00	0.00
8,900.0	90.00	179.02	6,240.4	-1,223.86	-2,470.6	-446.3	2,483.6	0.00	0.00	0.00
9,000.0	90.00	179.02	6,240.4	-1,223.85	-2,570.6	-444.6	2,583.5	0.00	0.00	0.00
9,100.0	90.00	179.02	6,240.3	-1,223.85	-2,670.6	-442.9	2,683.3	0.00	0.00	0.00
9,200.0	90.00	179.02	6,240.3	-1,223.84	-2,770.6	-441.2	2,783.2	0.00	0.00	0.00
9,300.0	90.00	179.02	6,240.3	-1,223.84	-2,870.6	-439.5	2,883.1	0.00	0.00	0.00
9,400.0	90.00	179.02	6,240.3	-1,223.84	-2,970.6	-437.8	2,983.0	0.00	0.00	0.00
9,500.0	90.00	179.02	6,240.3	-1,223.83	-3,070.5	-436.1	3,082.9	0.00	0.00	0.00
9,600.0	90.00	179.02	6,240.3	-1,223.83	-3,170.5	-434.4	3,182.7	0.00	0.00	0.00
9,700.0	90.00	179.02	6,240.3	-1,223.83	-3,270.5	-432.7	3,282.6	0.00	0.00	0.00
9,800.0	90.00	179.02	6,240.3	-1,223.82	-3,370.5	-431.0	3,382.5	0.00	0.00	0.00
9,900.0	90.00	179.02	6,240.3	-1,223.82	-3,470.5	-429.3	3,482.4	0.00	0.00	0.00
10,000.0	90.00	179.02	6,240.3	-1,223.82	-3,570.5	-427.5	3,582.3	0.00	0.00	0.00
10,100.0	90.00	179.02	6,240.3	-1,223.82	-3,670.5	-425.8	3,682.1	0.00	0.00	0.00
10,200.0	90.00	179.02	6,240.3	-1,223.81	-3,770.4	-424.1	3,782.0	0.00	0.00	0.00
10,300.0	90.00	179.02	6,240.3	-1,223.81	-3,870.4	-422.4	3,881.9	0.00	0.00	0.00
10,400.0	90.00	179.02	6,240.3	-1,223.81	-3,970.4	-420.7	3,981.8	0.00	0.00	0.00
10,500.0	90.00	179.02	6,240.3	-1,223.81	-4,070.4	-419.0	4,081.7	0.00	0.00	0.00
10,600.0	90.00	179.02	6,240.3	-1,223.81	-4,170.4	-417.3	4,181.5	0.00	0.00	0.00
10,700.0	90.00	179.02	6,240.3	-1,223.81	-4,270.4	-415.6	4,281.4	0.00	0.00	0.00
10,800.0	90.00	179.02	6,240.3	-1,223.80	-4,370.4	-413.9	4,381.3	0.00	0.00	0.00
10,900.0	90.00	179.02	6,240.3	-1,223.80	-4,470.3	-412.2	4,481.2	0.00	0.00	0.00
11,000.0	90.00	179.02	6,240.3	-1,223.80	-4,570.3	-410.4	4,581.1	0.00	0.00	0.00
11,100.0	90.00	179.02	6,240.3	-1,223.80	-4,670.3	-408.7	4,680.9	0.00	0.00	0.00
11,200.0	90.00	179.02	6,240.3	-1,223.80	-4,770.3	-407.0	4,780.8	0.00	0.00	0.00
11,300.0	90.00	179.02	6,240.3	-1,223.80	-4,870.3	-405.3	4,880.7	0.00	0.00	0.00
11,400.0	90.00	179.02	6,240.3	-1,223.80	-4,970.3	-403.6	4,980.6	0.00	0.00	0.00
11,500.0	90.00	179.02	6,240.3	-1,223.80	-5,070.2	-401.9	5,080.5	0.00	0.00	0.00
11,600.0	90.00	179.02	6,240.3	-1,223.80	-5,170.2	-400.2	5,180.3	0.00	0.00	0.00
11,700.0	90.00	179.02	6,240.3	-1,223.80	-5,270.2	-398.5	5,280.2	0.00	0.00	0.00
11,800.0	90.00	179.02	6,240.3	-1,223.80	-5,370.2	-396.8	5,380.1	0.00	0.00	0.00
11,900.0	90.00	179.02	6,240.3	-1,223.80	-5,470.2	-395.0	5,480.0	0.00	0.00	0.00
12,000.0	90.00	179.02	6,240.3	-1,223.81	-5,570.2	-393.3	5,579.9	0.00	0.00	0.00
12,100.0	90.00	179.02	6,240.3	-1,223.81	-5,670.2	-391.6	5,679.7	0.00	0.00	0.00
12,200.0	90.00	179.02	6,240.3	-1,223.81	-5,770.1	-389.9	5,779.6	0.00	0.00	0.00
12,300.0	90.00	179.02	6,240.3	-1,223.81	-5,870.1	-388.2	5,879.5	0.00	0.00	0.00
12,400.0	90.00	179.02	6,240.3	-1,223.81	-5,970.1	-386.5	5,979.4	0.00	0.00	0.00
12,500.0	90.00	179.02	6,240.3	-1,223.81	-6,070.1	-384.8	6,079.3	0.00	0.00	0.00
12,600.0	90.00	179.02	6,240.3	-1,223.81	-6,170.1	-383.0	6,179.1	0.00	0.00	0.00
12,700.0	90.00	179.02	6,240.3	-1,223.82	-6,270.1	-381.3	6,279.0	0.00	0.00	0.00
12,800.0	90.00	179.02	6,240.3	-1,223.82	-6,370.1	-379.6	6,378.9	0.00	0.00	0.00
12,900.0	90.00	179.02	6,240.3	-1,223.82	-6,470.0	-377.9	6,478.8	0.00	0.00	0.00
13,000.0	90.00	179.02	6,240.3	-1,223.83	-6,570.0	-376.2	6,578.7	0.00	0.00	0.00
13,100.0	90.00	179.02	6,240.3	-1,223.83	-6,670.0	-374.5	6,678.5	0.00	0.00	0.00
13,200.0	90.00	179.02	6,240.3	-1,223.83	-6,770.0	-372.8	6,778.4	0.00	0.00	0.00
13,300.0	90.00	179.02	6,240.3	-1,223.83	-6,870.0	-371.0	6,878.3	0.00	0.00	0.00

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BASHOR 9-60 27B-34-4
<b>Company:</b>	BISON OIL & GAS II, LLC	<b>TVD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Site:</b>	NW NE SEC. 27 T9N R60 W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	BASHOR 9-60 27B-34-4	<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)
13,400.0	90.00	179.02	6,240.3	-1,223.84	-6,970.0	-369.3	6,978.2	0.00	0.00	0.00
13,500.0	90.00	179.02	6,240.3	-1,223.84	-7,070.0	-367.6	7,078.1	0.00	0.00	0.00
13,600.0	90.00	179.02	6,240.3	-1,223.85	-7,169.9	-365.9	7,178.0	0.00	0.00	0.00
13,700.0	90.00	179.02	6,240.3	-1,223.85	-7,269.9	-364.2	7,277.8	0.00	0.00	0.00
13,800.0	90.00	179.02	6,240.4	-1,223.85	-7,369.9	-362.5	7,377.7	0.00	0.00	0.00
13,900.0	90.00	179.02	6,240.4	-1,223.86	-7,469.9	-360.7	7,477.6	0.00	0.00	0.00
14,000.0	90.00	179.02	6,240.4	-1,223.86	-7,569.9	-359.0	7,577.5	0.00	0.00	0.00
14,100.0	90.00	179.02	6,240.4	-1,223.87	-7,669.9	-357.3	7,677.4	0.00	0.00	0.00
14,200.0	90.00	179.02	6,240.4	-1,223.87	-7,769.9	-355.6	7,777.2	0.00	0.00	0.00
14,300.0	90.00	179.02	6,240.4	-1,223.88	-7,869.8	-353.9	7,877.1	0.00	0.00	0.00
14,400.0	90.00	179.02	6,240.4	-1,223.88	-7,969.8	-352.2	7,977.0	0.00	0.00	0.00
14,500.0	90.00	179.02	6,240.4	-1,223.89	-8,069.8	-350.4	8,076.9	0.00	0.00	0.00
14,600.0	90.00	179.02	6,240.4	-1,223.89	-8,169.8	-348.7	8,176.8	0.00	0.00	0.00
14,700.0	90.00	179.02	6,240.4	-1,223.90	-8,269.8	-347.0	8,276.6	0.00	0.00	0.00
14,800.0	90.00	179.02	6,240.4	-1,223.91	-8,369.8	-345.3	8,376.5	0.00	0.00	0.00
14,900.0	90.00	179.02	6,240.4	-1,223.91	-8,469.7	-343.6	8,476.4	0.00	0.00	0.00
15,000.0	90.00	179.01	6,240.4	-1,223.92	-8,569.7	-341.8	8,576.3	0.00	0.00	0.00
15,100.0	90.00	179.01	6,240.4	-1,223.92	-8,669.7	-340.1	8,676.2	0.00	0.00	0.00
15,200.0	90.00	179.01	6,240.4	-1,223.93	-8,769.7	-338.4	8,776.0	0.00	0.00	0.00
15,300.0	90.00	179.01	6,240.4	-1,223.94	-8,869.7	-336.7	8,875.9	0.00	0.00	0.00
15,400.0	90.00	179.01	6,240.4	-1,223.95	-8,969.7	-335.0	8,975.8	0.00	0.00	0.00
15,500.0	90.00	179.01	6,240.5	-1,223.95	-9,069.7	-333.2	9,075.7	0.00	0.00	0.00
15,600.0	90.00	179.01	6,240.5	-1,223.96	-9,169.6	-331.5	9,175.6	0.00	0.00	0.00
15,700.0	90.00	179.01	6,240.5	-1,223.97	-9,269.6	-329.8	9,275.4	0.00	0.00	0.00
15,800.0	90.00	179.01	6,240.5	-1,223.97	-9,369.6	-328.1	9,375.3	0.00	0.00	0.00
15,900.0	90.00	179.01	6,240.5	-1,223.98	-9,469.6	-326.4	9,475.2	0.00	0.00	0.00
16,000.0	90.00	179.01	6,240.5	-1,223.99	-9,569.6	-324.6	9,575.1	0.00	0.00	0.00
16,100.0	90.00	179.01	6,240.5	-1,224.00	-9,669.6	-322.9	9,675.0	0.00	0.00	0.00
<b>EPI: 600ft FSL &amp; 1855ft FEL of Sec 34</b>										
<b>16,109.6</b>	<b>90.00</b>	<b>179.01</b>	<b>6,240.5</b>	<b>-1,224.00</b>	<b>-9,679.1</b>	<b>-322.8</b>	<b>9,684.5</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
16,200.0	90.00	179.00	6,240.5	-1,224.01	-9,769.6	-321.2	9,774.8	0.01	0.00	-0.01
16,300.0	90.00	178.99	6,240.5	-1,224.01	-9,869.5	-319.4	9,874.7	0.01	0.00	-0.01
16,400.0	90.00	178.97	6,240.5	-1,224.00	-9,969.5	-317.6	9,974.6	0.01	0.00	-0.01
<b>BHL: 300ft FSL &amp; 1856ft FEL of Sec 34</b>										
<b>16,409.1</b>	<b>90.00</b>	<b>178.97</b>	<b>6,240.5</b>	<b>-1,224.00</b>	<b>-9,978.6</b>	<b>-317.5</b>	<b>9,983.7</b>	<b>0.01</b>	<b>0.00</b>	<b>-0.01</b>

Formations						
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
631.8	631.5	PIERRE SHALE (BASE OF FOX HI				
3,547.6	3,488.5	PARKMAN				
4,074.2	4,013.5	SUSSEX				
5,172.2	5,111.5	SHANNON				
6,284.6	6,140.5	SHARON SPRINGS SHALE				
6,442.0	6,210.5	NIOBRARA FORMATION				
6,476.4	6,220.5	NIOBRARA A CHALK				

# Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BASHOR 9-60 27B-34-4
<b>Company:</b>	BISON OIL & GAS II, LLC	<b>TVD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>MD Reference:</b>	KB-EST @ 5016.5usft (Original Well Elev)
<b>Site:</b>	NW NE SEC. 27 T9N R60 W 6th P.M.	<b>North Reference:</b>	True
<b>Well:</b>	BASHOR 9-60 27B-34-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	ORIGINAL WELLBORE		
<b>Design:</b>	PROPOSAL #1		

## Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.0	0.0	0.0	0.0	SHL: 410ft FNL & 1425ft FEL of Sec 27
400.0	400.0	0.0	0.0	START NUDGE (2°/100ft BUR)
999.9	995.5	37.7	-49.9	EOB TO 12° INC
3,380.5	3,324.1	335.9	-444.9	END OF TANGENT
3,980.3	3,919.6	373.6	-494.8	EOD TO VERTICAL
5,728.3	5,667.6	373.6	-494.8	KOP (10°/100ft BUR)
6,628.3	6,240.5	-199.3	-485.0	BPI: 600ft FNL & 1911ft FEL of Sec 27
16,109.6	6,240.5	-9,679.1	-322.8	EPI: 600ft FSL & 1855ft FEL of Sec 34
16,409.1	6,240.5	-9,978.6	-317.5	BHL: 300ft FSL & 1856ft FEL of Sec 34