



## Survey

MD	Inclination	Azimuth	Tie-In	TVD	NS	EW	HD	VS@177.5°	DL	BR	TR	TFO	Comments
0.0	0.00	177.54	1	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	177.54	0	500.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	177.54	0	1,000.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	0.00	177.54	0	1,900.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,904.1	0.00	177.54	0	1,904.1	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	KOP
2,000.0	6.52	177.54	0	1,999.8	-5.4	0.2	5.5	5.5	6.80	6.80	0.00	0.00	
2,100.0	13.32	177.54	0	2,098.2	-22.6	1.0	22.7	22.7	6.80	6.80	0.00	0.00	
2,200.0	20.12	177.54	0	2,194.0	-51.4	2.2	51.4	51.4	6.80	6.80	0.00	0.00	
2,300.0	26.92	177.54	0	2,285.6	-91.2	3.9	91.3	91.3	6.80	6.80	0.00	0.00	
2,400.0	33.72	177.54	0	2,371.9	-141.6	6.1	141.8	141.8	6.80	6.80	0.00	0.00	
2,500.0	40.52	177.54	0	2,451.6	-201.9	8.7	202.1	202.1	6.80	6.80	0.00	0.00	
2,600.0	47.32	177.54	0	2,523.5	-271.1	11.6	271.4	271.4	6.80	6.80	0.00	0.00	
2,700.0	54.12	177.54	0	2,586.8	-348.4	15.0	348.8	348.8	6.80	6.80	0.00	0.00	
2,800.0	60.92	177.54	0	2,640.5	-432.7	18.6	433.1	433.1	6.80	6.80	0.00	0.00	
2,900.0	67.72	177.54	0	2,683.8	-522.7	22.5	523.1	523.1	6.80	6.80	0.00	0.00	
3,000.0	74.52	177.54	0	2,716.1	-617.1	26.5	617.7	617.7	6.80	6.80	0.00	0.00	
3,100.0	81.32	177.54	0	2,737.1	-714.8	30.7	715.4	715.4	6.80	6.80	0.00	0.00	
3,200.0	88.12	177.54	0	2,746.2	-814.2	35.0	814.9	814.9	6.80	6.80	0.00	0.00	
3,239.4	90.80	177.54	0	2,746.6	-853.6	36.7	854.3	854.3	6.80	6.80	0.00	0.00	EOB
3,300.0	90.80	177.54	0	2,745.8	-914.1	39.3	914.9	914.9	0.00	0.00	0.00	0.00	
3,400.0	90.80	177.54	0	2,744.4	-1,014.0	43.6	1,014.9	1,014.9	0.00	0.00	0.00	0.00	
3,500.0	90.80	177.54	0	2,743.0	-1,113.9	47.9	1,114.9	1,114.9	0.00	0.00	0.00	0.00	
3,600.0	90.80	177.54	0	2,741.6	-1,213.8	52.1	1,214.9	1,214.9	0.00	0.00	0.00	0.00	
3,700.0	90.80	177.54	0	2,740.2	-1,313.7	56.4	1,314.9	1,314.9	0.00	0.00	0.00	0.00	
3,800.0	90.80	177.54	0	2,738.8	-1,413.6	60.7	1,414.9	1,414.9	0.00	0.00	0.00	0.00	
3,900.0	90.80	177.54	0	2,737.4	-1,513.5	65.0	1,514.9	1,514.9	0.00	0.00	0.00	0.00	
4,000.0	90.80	177.54	0	2,736.0	-1,613.4	69.3	1,614.9	1,614.9	0.00	0.00	0.00	0.00	
4,100.0	90.80	177.54	0	2,734.6	-1,713.3	73.6	1,714.9	1,714.9	0.00	0.00	0.00	0.00	
4,200.0	90.80	177.54	0	2,733.2	-1,813.2	77.9	1,814.8	1,814.8	0.00	0.00	0.00	0.00	
4,300.0	90.80	177.54	0	2,731.8	-1,913.1	82.2	1,914.8	1,914.8	0.00	0.00	0.00	0.00	
4,400.0	90.80	177.54	0	2,730.4	-2,013.0	86.5	2,014.8	2,014.8	0.00	0.00	0.00	0.00	
4,500.0	90.80	177.54	0	2,729.0	-2,112.9	90.8	2,114.8	2,114.8	0.00	0.00	0.00	0.00	
4,600.0	90.80	177.54	0	2,727.6	-2,212.8	95.1	2,214.8	2,214.8	0.00	0.00	0.00	0.00	
4,700.0	90.80	177.54	0	2,726.2	-2,312.7	99.4	2,314.8	2,314.8	0.00	0.00	0.00	0.00	
4,787.4	90.80	177.54	0	2,725.0	-2,400.0	103.1	2,402.2	2,402.2	0.00	0.00	0.00	0.00	