



Survey

MD	Inclination	Azimuth	Tie-In	TVD	NS	EW	HD	VS@29.1°	DL	BR	TR	TFO	Comments
0.0	0.00	29.10	1	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
100.0	0.00	29.10	0	100.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	29.10	0	200.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	29.10	0	300.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	29.10	0	400.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	29.10	0	500.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	29.10	0	600.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
700.0	0.00	29.10	0	700.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	29.10	0	800.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
900.0	0.00	29.10	0	900.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	29.10	0	1,000.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	29.10	0	1,100.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,200.0	0.00	29.10	0	1,200.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,300.0	0.00	29.10	0	1,300.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	0.00	29.10	0	1,400.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	29.10	0	1,500.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,560.5	0.00	29.10	0	1,560.5	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	KOP
1,600.0	2.86	29.10	0	1,600.0	0.9	0.5	1.0	1.0	7.24	7.24	0.00	0.00	
1,700.0	10.11	29.10	0	1,699.3	10.7	6.0	12.3	12.3	7.25	7.25	0.00	0.00	
1,800.0	17.36	29.10	0	1,796.4	31.5	17.5	36.0	36.0	7.25	7.25	0.00	0.00	
1,900.0	24.61	29.10	0	1,889.7	62.7	34.9	71.8	71.8	7.25	7.25	0.00	0.00	
2,000.0	31.86	29.10	0	1,977.7	104.0	57.9	119.1	119.1	7.25	7.25	0.00	0.00	
2,100.0	39.11	29.10	0	2,059.1	154.7	86.1	177.1	177.1	7.25	7.25	0.00	0.00	
2,200.0	46.36	29.10	0	2,132.5	214.0	119.1	244.9	244.9	7.25	7.25	0.00	0.00	
2,300.0	53.61	29.10	0	2,196.7	280.9	156.3	321.4	321.4	7.25	7.25	0.00	0.00	
2,400.0	60.86	29.10	0	2,250.8	354.3	197.2	405.5	405.5	7.25	7.25	0.00	0.00	
2,500.0	68.11	29.10	0	2,293.9	433.1	241.1	495.6	495.6	7.25	7.25	0.00	0.00	
2,600.0	75.36	29.10	0	2,325.2	516.0	287.2	590.5	590.5	7.25	7.25	0.00	0.00	
2,700.0	82.61	29.10	0	2,344.3	601.7	334.9	688.6	688.6	7.25	7.25	0.00	0.00	
2,800.0	89.86	29.10	0	2,350.8	688.8	383.4	788.4	788.4	7.25	7.25	0.00	0.00	
2,812.3	90.75	29.10	0	2,350.8	699.6	389.4	800.7	800.7	7.24	7.24	0.00	0.00	EOB
2,900.0	90.75	29.10	0	2,349.6	776.2	432.0	888.3	888.3	0.00	0.00	0.00	0.00	
3,000.0	90.75	29.10	0	2,348.3	863.6	480.7	988.3	988.3	0.00	0.00	0.00	0.00	
3,100.0	90.75	29.10	0	2,347.0	951.0	529.3	1,088.3	1,088.3	0.00	0.00	0.00	0.00	
3,200.0	90.75	29.10	0	2,345.7	1,038.3	577.9	1,188.3	1,188.3	0.00	0.00	0.00	0.00	
3,300.0	90.75	29.10	0	2,344.4	1,125.7	626.6	1,288.3	1,288.3	0.00	0.00	0.00	0.00	
3,400.0	90.75	29.10	0	2,343.1	1,213.1	675.2	1,388.3	1,388.3	0.00	0.00	0.00	0.00	
3,500.0	90.75	29.10	0	2,341.8	1,300.4	723.8	1,488.3	1,488.3	0.00	0.00	0.00	0.00	
3,600.0	90.75	29.10	0	2,340.5	1,387.8	772.4	1,588.3	1,588.3	0.00	0.00	0.00	0.00	
3,700.0	90.75	29.10	0	2,339.2	1,475.2	821.1	1,688.3	1,688.3	0.00	0.00	0.00	0.00	
3,800.0	90.75	29.10	0	2,337.8	1,562.5	869.7	1,788.3	1,788.3	0.00	0.00	0.00	0.00	
3,900.0	90.75	29.10	0	2,336.5	1,649.9	918.3	1,888.3	1,888.3	0.00	0.00	0.00	0.00	
4,000.0	90.75	29.10	0	2,335.2	1,737.3	967.0	1,988.3	1,988.3	0.00	0.00	0.00	0.00	
4,100.0	90.75	29.10	0	2,333.9	1,824.7	1,015.6	2,088.2	2,088.2	0.00	0.00	0.00	0.00	
4,200.0	90.75	29.10	0	2,332.6	1,912.0	1,064.2	2,188.2	2,188.2	0.00	0.00	0.00	0.00	
4,300.0	90.75	29.10	0	2,331.3	1,999.4	1,112.8	2,288.2	2,288.2	0.00	0.00	0.00	0.00	
4,400.0	90.75	29.10	0	2,330.0	2,086.8	1,161.5	2,388.2	2,388.2	0.00	0.00	0.00	0.00	
4,500.0	90.75	29.10	0	2,328.7	2,174.1	1,210.1	2,488.2	2,488.2	0.00	0.00	0.00	0.00	
4,600.0	90.75	29.10	0	2,327.4	2,261.5	1,258.7	2,588.2	2,588.2	0.00	0.00	0.00	0.00	
4,700.0	90.75	29.10	0	2,326.1	2,348.9	1,307.4	2,688.2	2,688.2	0.00	0.00	0.00	0.00	
4,800.0	90.75	29.10	0	2,324.8	2,436.2	1,356.0	2,788.2	2,788.2	0.00	0.00	0.00	0.00	
4,900.0	90.75	29.10	0	2,323.4	2,523.6	1,404.6	2,888.2	2,888.2	0.00	0.00	0.00	0.00	
5,000.0	90.75	29.10	0	2,322.1	2,611.0	1,453.3	2,988.2	2,988.2	0.00	0.00	0.00	0.00	
5,100.0	90.75	29.10	0	2,320.8	2,698.3	1,501.9	3,088.2	3,088.2	0.00	0.00	0.00	0.00	
5,162.4	90.75	29.10	0	2,320.0	2,752.9	1,532.2	3,150.6	3,150.6	0.00	0.00	0.00	0.00	TD