



#	MD	Inc	Azi	TVD	+N/-S	+E/-W	DL	TFO	VS	Comments	Company:	PRO&G
1	0.0	0.00	146.34	0.0	0.0	0.0	0.00	0.00	0.0		Project:	Lake 34-29_Ver 3
2	2000.0	0.00	146.34	2000.0	0.0	0.0	0.00	0.00	0.0	Start ki	Well:	
3	3167.8	40.87	146.34	3071.2	-332.2	221.2	3.50	0.00	399.2	End of	By:	Moe Felman
4	3580.0	40.87	146.34	3382.9	-556.7	370.7	0.00	0.00	668.9		Date:	5/27/2010
											Vertical section azimuth:	146.34°
											Survey calculation method:	Minimum Curvature
											Units:	Length - ft, Dogleg - °/100ft



Survey

MD	Inclination	Azimuth	Tie-In	TVD	NS	EW	HD	VS@146.3°	DL	BR	TR	TFO	Comments
0.0	0.00	146.34	1	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	146.34	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	146.34	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	146.34	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	146.34	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	146.34	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	146.34	0	1,500.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,600.0	0.00	146.34	0	1,600.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.0	0.00	146.34	0	1,700.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	0.00	146.34	0	1,800.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	0.00	146.34	0	1,900.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	146.34	0	2,000.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	Start kick
2,100.0	3.50	146.34	0	2,099.9	-2.5	1.7	3.1	3.1	3.50	3.50	0.00	0.00	
2,200.0	7.00	146.34	0	2,199.5	-10.2	6.8	12.2	12.2	3.50	3.50	0.00	0.00	
2,300.0	10.50	146.34	0	2,298.3	-22.8	15.2	27.4	27.4	3.50	3.50	0.00	0.00	
2,400.0	14.00	146.34	0	2,396.0	-40.5	27.0	48.6	48.6	3.50	3.50	0.00	0.00	
2,500.0	17.50	146.34	0	2,492.3	-63.1	42.0	75.8	75.8	3.50	3.50	0.00	0.00	
2,600.0	21.00	146.34	0	2,586.7	-90.5	60.3	108.7	108.7	3.50	3.50	0.00	0.00	
2,700.0	24.50	146.34	0	2,678.9	-122.7	81.7	147.4	147.4	3.50	3.50	0.00	0.00	
2,800.0	28.00	146.34	0	2,768.5	-159.5	106.2	191.6	191.6	3.50	3.50	0.00	0.00	
2,900.0	31.50	146.34	0	2,855.3	-200.8	133.7	241.2	241.2	3.50	3.50	0.00	0.00	
3,000.0	35.00	146.34	0	2,939.0	-246.4	164.1	296.1	296.1	3.50	3.50	0.00	0.00	
3,100.0	38.50	146.34	0	3,019.1	-296.2	197.2	355.9	355.9	3.50	3.50	0.00	0.00	
3,167.8	40.87	146.34	0	3,071.2	-332.2	221.2	399.2	399.2	3.50	3.50	0.00	0.00	End of borehole
3,200.0	40.87	146.34	0	3,095.6	-349.8	232.9	420.2	420.2	0.00	0.00	0.00	0.00	
3,300.0	40.87	146.34	0	3,171.2	-404.2	269.2	485.7	485.7	0.00	0.00	0.00	0.00	
3,400.0	40.87	146.34	0	3,246.8	-458.7	305.5	551.1	551.1	0.00	0.00	0.00	0.00	
3,500.0	40.87	146.34	0	3,322.5	-513.2	341.7	616.5	616.5	0.00	0.00	0.00	0.00	
3,503.4	40.87	146.34	0	3,325.0	-515.0	343.0	618.8	618.8	0.00	0.00	0.00	0.00	
3,580.0	40.87	146.34	0	3,382.9	-556.7	370.7	668.9	668.9	0.00	0.00	0.00	0.00	