

SCIENTIFIC DRILLING INTERNATIONAL

Client : PHILLIPS PETROLEUM
 Well : PHILLIPS LIVINGSTON RIDGE #3
 Location : LOCATION

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 Date 12-08-90
 Filename : PHILR3GY

No Interpolation

MD	INC	DIR	TVD	+N/-S	+E/-W	VS D'LEG	
ft	deg	deg	ft	ft	ft	ft °/100	
0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100	0.15	S71.95°E	100.00	-0.04	0.12	0.00	0.1
200	0.32	N58.26°W	200.00	0.07	0.01	0.00	0.5
300	0.07	S73.21°E	300.00	0.20	-0.17	-0.20	0.4
400	0.53	N 9.30°W	400.00	0.63	-0.18	-0.63	0.6
500	0.28	N88.35°W	500.00	1.10	-0.50	-1.10	0.6
600	0.64	N13.84°W	599.99	1.65	-0.88	-1.65	0.6
700	0.19	N41.55°W	699.99	2.31	-1.12	-2.31	0.5
800	0.84	N13.30°W	799.99	3.15	-1.40	-3.15	0.7
900	0.41	N37.64°W	899.98	4.15	-1.79	-4.15	0.5
1000	0.79	N22.16°E	999.97	5.07	-1.75	-5.07	0.7
1100	0.50	N 7.66°W	1099.97	6.14	-1.55	-6.14	0.4
1200	0.30	S86.30°E	1199.97	6.56	-1.34	-6.56	0.6
1300	0.98	N84.40°E	1299.96	6.62	-0.23	-6.62	0.7
1400	1.14	S56.94°E	1399.94	6.16	1.45	-6.16	0.7
1500	1.38	S72.66°E	1499.92	5.26	3.44	-5.26	0.4
1600	1.69	S56.22°E	1599.89	4.08	5.81	-4.08	0.5
1700	0.66	S53.20°E	1699.86	2.92	7.50	-2.92	1.0
1800	0.95	S37.48°E	1799.85	1.91	8.46	-1.91	0.4
1900	1.06	S32.18°E	1899.84	0.47	9.46	-0.47	0.1
2000	0.53	S63.18°E	1999.83	-0.52	10.37	0.52	0.7
2100	0.30	S14.44°E	2099.82	-0.98	10.84	0.98	0.4
2200	0.37	S24.78°E	2199.82	-1.53	11.05	1.53	0.1
2300	0.27	S 5.14°E	2299.82	-2.05	11.20	2.05	0.1
2400	0.68	S79.69°W	2399.82	-2.40	10.64	2.40	0.7
2500	0.94	S86.82°W	2499.81	-2.55	9.24	2.55	0.3
2600	0.60	N86.82°W	2599.80	-2.56	7.89	2.56	0.3
2700	1.00	N31.37°W	2699.79	-1.79	6.92	1.79	0.8
2800	0.36	N39.70°E	2799.78	-0.80	6.66	0.80	0.9
2900	1.47	N86.61°E	2899.77	-0.49	8.15	0.48	1.3
3000	2.14	N72.09°E	2999.72	0.17	11.20	-0.17	0.8
3100	2.10	N59.96°E	3099.65	1.66	14.56	-1.66	0.4
3200	3.03	N75.28°E	3199.55	3.25	18.71	-3.25	1.1
3300	3.77	N76.77°E	3299.38	4.67	24.46	-4.67	0.7
3400	2.82	N89.13°E	3399.21	5.46	30.12	-5.46	1.2
3500	2.16	N77.18°E	3499.12	5.91	34.42	-5.91	0.8
3600	1.47	N72.96°E	3599.07	6.71	37.49	-6.71	0.7
3700	0.90	N73.58°E	3699.04	7.31	39.46	-7.31	0.6
3800	1.05	N79.88°E	3799.03	7.69	41.12	-7.69	0.2
3900	0.30	N84.07°E	3899.02	7.88	42.28	-7.88	0.8

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MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
4000	0.43	S81.87°E	3999.02	7.85	42.91	-7.85	0.2
4100	0.49	N67.40°E	4099.02	7.96	43.68	-7.96	0.3
4200	0.67	N71.62°E	4199.01	8.31	44.63	-8.31	0.2
4300	0.25	S56.50°W	4299.01	8.38	45.00	-8.38	0.9
4400	0.50	S79.00°W	4399.01	8.17	44.39	-8.17	0.3
4500	0.07	S40.34°E	4499.01	8.04	44.00	-8.04	0.5
4600	0.65	S69.23°W	4599.01	7.79	43.51	-7.79	0.7
4700	0.78	N72.90°W	4699.00	7.79	42.33	-7.79	0.5
4800	0.91	N85.06°W	4798.99	8.06	40.89	-8.06	0.2
4900	0.95	N78.78°W	4898.98	8.29	39.29	-8.29	0.1
4980	1.06	N74.45°W	4978.96	8.62	37.92	-8.62	0.2
5060	2.76	S61.48°W	5058.92	7.90	35.52	-7.90	2.7
5122	4.78	S50.77°W	5120.78	5.55	32.20	-5.55	3.4
5184	6.33	S29.97°W	5182.50	0.96	28.50	-0.96	4.1
5246	7.61	S 9.97°W	5244.04	-6.05	26.08	6.05	4.4
5308	8.13	S 3.50°W	5305.46	-14.47	25.10	14.47	1.7
5370	8.61	S 0.86°W	5366.80	-23.49	24.76	23.49	1.0
5432	9.02	S 1.23°E	5428.07	-32.99	24.80	32.99	0.8
5494	9.57	S 3.14°E	5489.25	-42.99	25.18	42.99	1.0
5556	10.02	S 4.72°E	5550.35	-53.51	25.91	53.51	0.8
5618	9.95	S 4.54°E	5611.41	-64.23	26.78	64.23	0.1
5680	9.98	S 5.62°E	5672.48	-74.91	27.73	74.91	0.3
5742	10.04	S 6.57°E	5733.53	-85.63	28.87	85.63	0.3
5804	10.49	S 9.78°E	5794.54	-96.56	30.45	96.56	1.2
5866	10.77	S11.33°E	5855.48	-107.80	32.55	107.80	0.6
5928	10.98	S15.96°E	5916.37	-119.16	35.31	119.16	1.4
5990	11.50	S18.61°E	5977.18	-130.69	38.90	130.69	1.2
6052	11.78	S19.52°E	6037.90	-142.52	42.99	142.52	0.5
6114	11.78	S19.92°E	6098.60	-154.43	47.26	154.43	0.1
6176	12.23	S22.10°E	6159.24	-166.47	51.89	166.47	1.0
6238	12.21	S15.13°E	6219.84	-178.88	56.07	178.88	2.4
6300	11.34	S 5.66°E	6280.54	-191.28	58.38	191.28	3.4
6362	10.97	S 4.36°W	6341.37	-203.23	58.54	203.23	3.2
6424	11.00	S 9.80°W	6402.24	-214.94	57.08	214.94	1.7
6486	11.92	S10.41°W	6463.00	-227.06	54.92	227.06	1.5
6548	12.60	S 8.03°W	6523.59	-240.06	52.81	240.06	1.4
6610	13.26	S 5.27°W	6584.02	-253.83	51.22	253.83	1.5
6672	13.36	S 4.46°W	6644.35	-268.06	50.01	268.06	0.3
6734	13.72	S 2.74°W	6704.63	-282.54	49.10	282.54	0.9
6796	14.60	S 0.44°E	6764.75	-297.70	48.81	297.70	1.9