

SCIENTIFIC DRILLING INTERNATIONAL

Client : PHILLIPS PETROLEUM
 WELL NAME : STATE ''35'' #20
 Location : LEA COUNTY, NEW MEXICO
 SHL :
 BHL :
 ACTUAL BHL :

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 Date 16 AUGUST 1996
 Filename : HALE#20

Height Of WELLSITE Datum Above Field Datum 0.00 ft

No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
0.0	0.00	N 0.00°E	0.00	0.00	0.00	0.00	0.0
100.0	0.37	N45.80°W	100.00	0.23	-0.23	0.28	0.4
200.0	0.29	N53.10°W	200.00	0.60	-0.67	0.80	0.1
300.0	0.52	N 6.97°E	300.00	1.20	-0.81	1.10	0.5
400.0	0.57	N 1.22°W	399.99	2.15	-0.77	1.30	0.1
500.0	0.31	N 1.92°E	499.99	2.92	-0.77	1.50	0.3
600.0	0.41	N 6.26°E	599.99	3.55	-0.72	1.62	0.1
700.0	0.13	N67.93°E	699.98	3.94	-0.58	1.59	0.4
800.0	0.27	S11.88°W	799.98	3.76	-0.52	1.48	0.4
900.0	0.07	S84.96°W	899.98	3.52	-0.63	1.53	0.3
1000.0	0.07	N27.20°E	999.98	3.57	-0.66	1.57	0.1
1100.0	0.08	N24.73°W	1099.98	3.69	-0.66	1.60	0.1
1200.0	0.12	S76.62°E	1199.98	3.73	-0.59	1.54	0.2
1300.0	0.34	S 2.78°W	1299.98	3.41	-0.50	1.37	0.3
1400.0	0.45	S 9.54°E	1399.98	2.72	-0.45	1.15	0.1
1500.0	0.72	S 2.30°E	1499.97	1.71	-0.36	0.80	0.3
1600.0	0.71	S17.79°E	1599.97	0.49	-0.15	0.27	0.2
1700.0	0.68	S41.85°E	1699.96	-0.54	0.44	-0.56	0.3
1800.0	0.70	S54.35°E	1799.95	-1.34	1.33	-1.63	0.2
1900.0	0.71	S56.05°E	1899.95	-2.04	2.34	-2.79	0.0
2000.0	0.72	S88.46°E	1999.94	-2.41	3.48	-3.99	0.4
2100.0	0.80	N86.58°E	2099.93	-2.38	4.81	-5.26	0.1
2200.0	0.88	N77.13°E	2199.92	-2.17	6.25	-6.60	0.2
2300.0	1.03	N70.33°E	2299.91	-1.69	7.85	-8.02	0.2
2400.0	1.00	N63.94°E	2399.89	-1.01	9.48	-9.41	0.1
2500.0	1.24	N67.12°E	2499.87	-0.20	11.26	-10.92	0.2
2600.0	1.81	N57.61°E	2599.83	1.06	13.59	-12.84	0.6
2700.0	1.86	N49.46°E	2699.78	2.96	16.15	-14.82	0.3
2800.0	1.66	N57.02°E	2799.74	4.81	18.60	-16.71	0.3
2875.0	1.78	N53.44°E	2874.70	6.09	20.45	-18.16	0.2
2962.0	1.64	N20.77°W	2961.67	8.06	21.09	-18.26	2.4
3024.0	2.87	N32.54°W	3023.63	10.20	19.94	-16.60	2.1
3086.0	2.88	N54.11°W	3085.55	12.42	17.85	-13.99	1.7
3148.0	3.78	N71.51°W	3147.45	13.98	14.65	-10.50	2.2
3210.0	4.80	N78.20°W	3209.27	15.16	10.17	-5.87	1.8
3272.0	6.29	N81.86°W	3270.98	16.17	4.27	0.00	2.5
3334.0	7.82	N81.65°W	3332.51	17.26	-3.27	7.66	2.5
3396.0	8.14	N77.39°W	3393.91	18.84	-11.72	16.23	1.1
3458.0	8.70	N81.78°W	3455.24	20.46	-20.65	25.27	1.4
3520.0	9.84	N82.89°W	3516.43	21.79	-30.55	35.17	1.9