

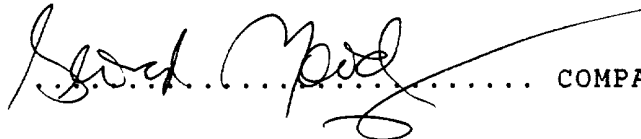
SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

FINA OIL & CHEMICAL

Well Name : FINA OIL & CHEMICAL/GENESIS #1
Location : LEA COUNTY, NEW MEXICO
:
:
Date Surveyed : 6/1/91
Job No. : 32M0591114
: RICK EATON/GARRY HENDRIX

This survey is correct to the best of my knowledge
and is supported by actual field data.

 COMPANY REPRESENTATIVE

SCIENTIFIC DRILLING INTERNATIONAL

Well Name : FINA OIL & CHEMICAL
 : FINA OIL & CHEMICAL/GENESIS #1
 Location : LEA COUNTY, NEW MEXICO

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 Date 6/1/91
 Filename : GENESIS1

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	0.20	N89.60°W	100.00	0.00	-0.17	-0.11	0.2
200	0.25	S75.14°W	200.00	-0.05	-0.56	-0.30	0.1
300	0.60	S34.34°W	300.00	-0.54	-1.07	-0.23	0.4
400	0.30	S56.10°W	399.99	-1.12	-1.58	0.00	0.3
500	0.22	S22.47°W	499.99	-1.44	-1.87	0.00	0.2
600	0.50	S32.15°W	599.99	-1.99	-2.18	0.22	0.3
700	0.31	S55.94°W	699.99	-2.51	-2.63	0.35	0.3
800	0.28	S63.61°W	799.99	-2.77	-3.07	0.28	0.0
900	0.35	S48.00°W	899.98	-3.08	-3.52	0.25	0.1
1000	0.34	S20.77°W	999.98	-3.57	-3.85	0.42	0.2
1100	0.39	S52.53°W	1099.98	-4.05	-4.23	0.57	0.2
1200	0.36	S71.30°W	1199.98	-4.36	-4.80	0.47	0.1
1300	0.40	S65.42°W	1299.98	-4.60	-5.41	0.28	0.1
1400	0.33	S53.80°W	1399.97	-4.92	-5.96	0.19	0.1
1500	0.18	S85.00°W	1499.97	-5.10	-6.35	0.00	0.2
1600	0.40	S69.82°W	1599.97	-5.24	-6.83	-0.10	0.2
1700	0.34	S36.98°W	1699.97	-5.59	-7.34	-0.13	0.2
1800	0.26	S78.14°W	1799.97	-5.88	-7.74	-0.16	0.2
1900	0.11	S55.61°W	1899.97	-5.98	-8.04	-0.26	0.2
2000	0.14	N81.75°E	1999.97	-6.02	-8.00	-0.21	0.2
2100	0.16	N 3.15°E	2099.97	-5.86	-7.87	-0.25	0.2
2200	0.38	N53.24°W	2199.97	-5.52	-8.13	-0.68	0.3
2300	0.40	N45.22°W	2299.97	-5.08	-8.64	-1.35	0.1
2400	0.32	N78.30°W	2399.96	-4.77	-9.16	-1.91	0.2
2500	0.21	N30.17°W	2499.96	-4.56	-9.53	-2.30	0.2
2600	0.20	N 3.27°E	2599.96	-4.23	-9.61	-2.61	0.1
2700	0.17	S82.61°E	2699.96	-4.07	-9.45	-2.64	0.3
2800	0.30	N14.37°E	2799.96	-3.84	-9.24	-2.69	0.3
2900	0.32	N 5.15°W	2899.96	-3.31	-9.20	-3.09	0.1
3000	0.56	N 1.41°E	2999.96	-2.54	-9.22	-3.70	0.2
3100	0.63	N41.65°E	3099.95	-1.64	-8.84	-4.17	0.4
3200	0.96	N44.61°E	3199.94	-0.63	-7.88	-4.37	0.3
3300	0.97	N48.00°E	3299.93	0.53	-6.67	-4.54	0.1
3400	0.87	N51.20°E	3399.92	1.57	-5.45	-4.60	0.1
3500	0.77	N51.74°E	3499.90	2.46	-4.33	-4.61	0.1
3600	1.11	N50.63°E	3599.89	3.49	-3.05	-4.63	0.3
3700	1.18	N51.68°E	3699.87	4.75	-1.49	-4.66	0.1
3800	1.13	N33.07°E	3799.85	6.21	-0.15	-4.98	0.4
3900	1.09	N36.16°E	3899.83	7.81	0.95	-5.55	0.1

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SCIENTIFIC DRILLING INTERNATIONAL

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 : LEA COUNTY, NEW MEXICO
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 Date 6/1/91
 Filename : GENESIS1

No Interpolation

MD	INC	DIR	TVD	+N/-S	+E/-W	VS	D'LEG
ft	deg	deg	ft	ft	ft	ft	°/100
4000	1.19	N17.46°E	3999.81	9.57	1.82	-6.40	0.4
4100	0.94	N12.09°E	4099.79	11.36	2.31	-7.51	0.3
4200	0.98	N11.20°E	4199.78	13.00	2.65	-8.59	0.0
4308	0.69	N 9.73°E	4307.77	14.55	2.93	-9.63	0.3
4401	0.77	N 8.26°E	4400.76	15.72	3.12	-10.43	0.1
4494	0.95	N 8.15°W	4493.75	17.10	3.10	-11.53	0.3
4587	1.21	N 5.20°W	4586.73	18.84	2.90	-13.02	0.3
4680	1.41	N 3.63°W	4679.71	20.96	2.74	-14.79	0.2
4773	1.36	N 5.19°W	4772.68	23.20	2.57	-16.66	0.1
4866	1.74	N 4.62°W	4865.65	25.71	2.35	-18.76	0.4
4959	1.85	N 2.36°W	4958.60	28.61	2.18	-21.16	0.1
5052	1.90	N 0.51°W	5051.55	31.65	2.10	-23.59	0.1
5144	2.05	N 5.67°W	5143.50	34.82	1.93	-26.19	0.3
5237	2.09	N 3.39°W	5236.44	38.17	1.66	-28.99	0.1
5330	2.14	N 2.87°W	5329.38	41.59	1.47	-31.80	0.1
5423	2.32	N10.18°W	5422.31	45.18	1.06	-34.88	0.4
5516	2.41	N13.86°W	5515.23	48.93	0.25	-38.32	0.2
5609	2.50	N10.08°W	5608.14	52.83	-0.57	-41.89	0.2
5702	2.60	N 8.32°W	5701.05	56.91	-1.23	-45.51	0.1
5795	2.76	N 6.20°W	5793.95	61.22	-1.78	-49.24	0.2
5888	2.91	N 8.09°W	5886.83	65.79	-2.35	-53.19	0.2
5981	2.89	N 6.27°W	5979.71	70.45	-2.94	-57.22	0.1
6074	3.01	N 9.20°W	6072.59	75.19	-3.59	-61.35	0.2
6167	2.92	N12.60°W	6165.47	79.92	-4.49	-65.62	0.2
6260	2.93	N16.20°W	6258.35	84.51	-5.67	-69.96	0.2
6353	2.83	N14.19°W	6351.23	89.02	-6.90	-74.27	0.2
6384	3.38	N22.02°E	6382.19	90.61	-6.74	-75.42	6.4
6570	4.99	N75.02°E	6567.75	97.79	3.13	-74.96	2.2
6663	5.53	S51.42°E	6660.41	96.04	10.55	-69.01	5.1
6756	6.44	S18.10°E	6752.93	88.28	15.67	-59.74	3.8
6849	7.64	S20.89°E	6845.22	77.55	19.50	-48.94	1.3
6942	8.34	S23.83°E	6937.32	65.60	24.43	-36.50	0.9
7035	8.60	S28.01°E	7029.31	53.29	30.42	-23.12	0.7
7128	9.19	S36.39°E	7121.19	41.18	38.09	-8.85	1.5
7221	10.04	S39.66°E	7212.88	28.96	47.67	6.67	1.1
7314	10.80	S44.65°E	7304.35	16.52	58.97	23.44	1.3
7407	11.98	S48.96°E	7395.52	3.98	72.37	41.57	1.6
7500	11.50	S33.19°E	7486.60	-10.12	84.73	60.30	3.5
7593	12.56	S16.07°E	7577.58	-27.60	92.60	78.91	4.0
7686	13.90	S16.87°E	7668.11	-48.01	98.65	98.69	1.5

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 Location : LEA COUNTY, NEW MEXICO

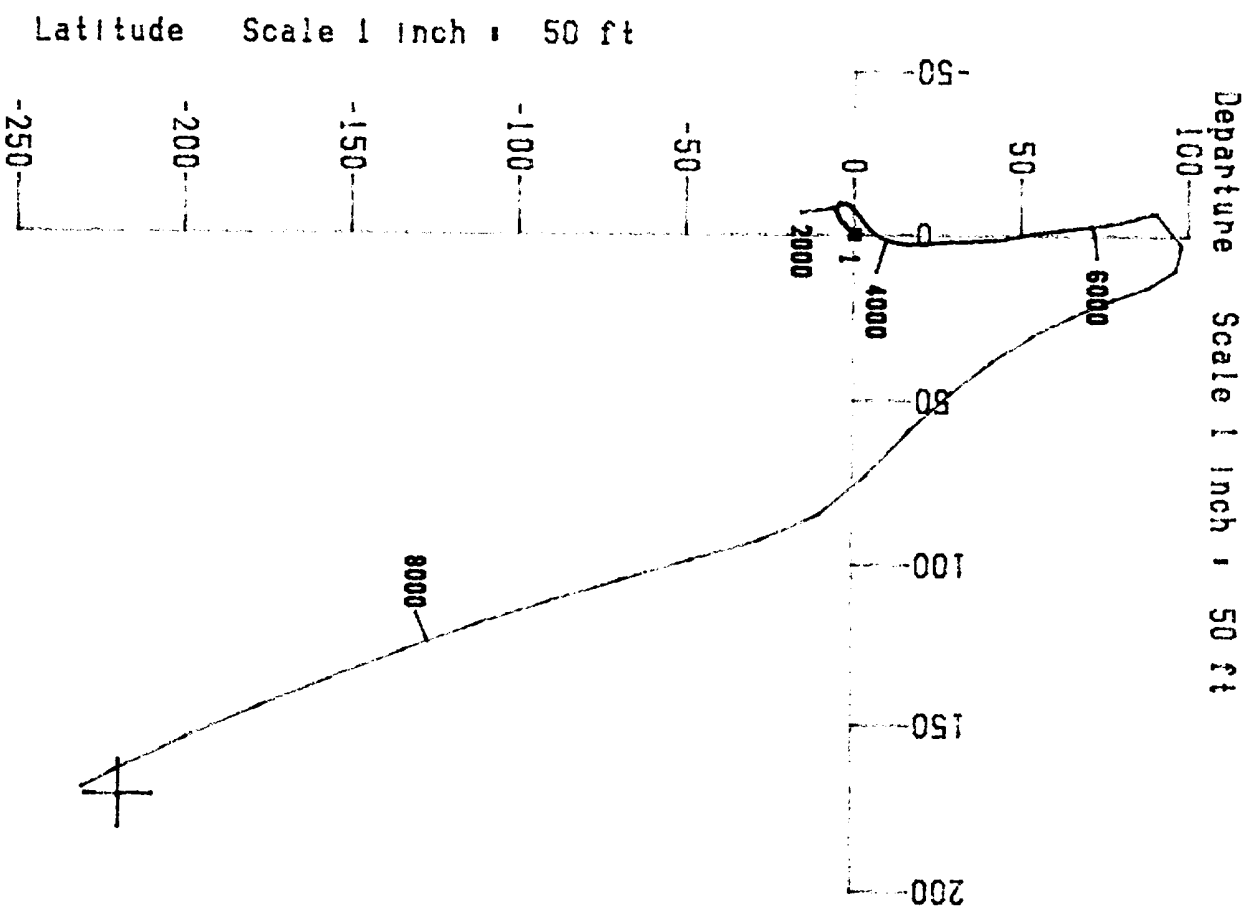
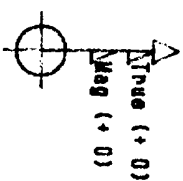
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 Date 6/1/91
 Filename : GENESIS1

No Interpolation

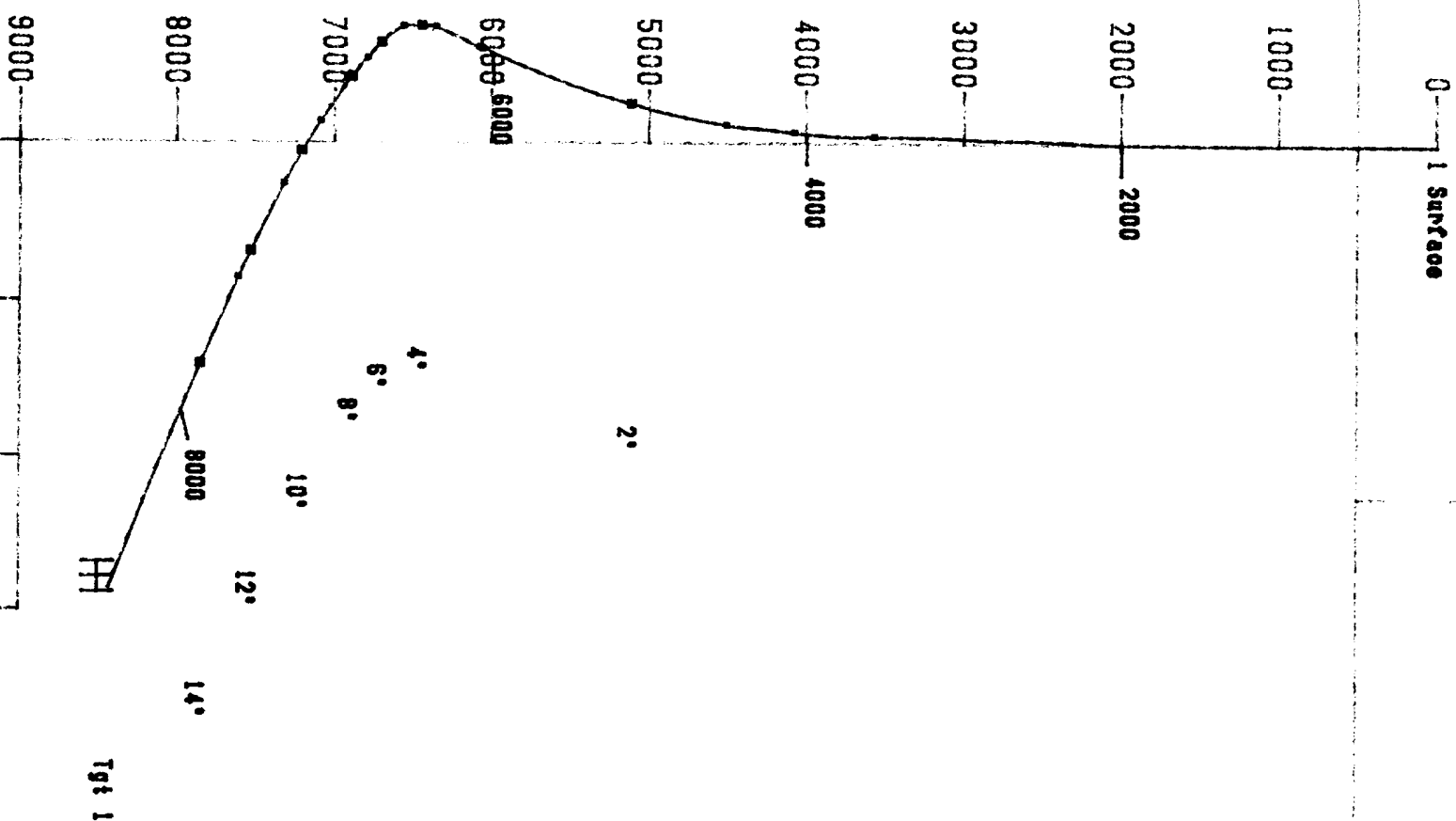
MD	INC	DIR	TVD	+N/-S	+E/-W	VS	D'LEG
ft	deg	deg	ft	ft	ft	ft	°/100
7779	13.96	S16.98°E	7758.38	-69.43	105.16	119.56	0.1
7872	14.00	S17.87°E	7848.63	-90.86	111.89	140.57	0.2
7965	14.14	S19.99°E	7938.83	-112.24	119.23	161.92	0.6
8058	14.52	S21.98°E	8028.94	-133.73	127.47	183.91	0.7
8151	14.53	S22.36°E	8118.97	-155.33	136.28	206.33	0.1
8244	14.81	S22.88°E	8208.94	-177.07	145.33	229.02	0.3
8337	14.92	S24.80°E	8298.83	-198.89	154.98	252.14	0.5
8430	14.93	S26.62°E	8388.69	-220.47	165.37	275.53	0.5
8471	14.85	S27.94°E	8428.31	-229.83	170.20	285.87	0.8

Origin of Bottom Hole Closure PLATFORM CENTRE
 Bottom Hole Closure 286 ft S36.52°E

SMITH INTERNATIONAL
FOR
FINA OIL AND CHEMICAL
GENESIS #1
IN
LEA COUNTY, NEW MEXICO



True Vertical Depth Scale 1 inch = 1000 ft



PLANE OF VERT SECT No 338809E