

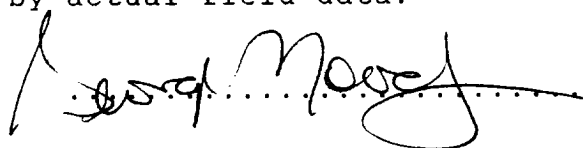
SCIENTIFIC DRILLING INTERNATIONAL

MIDLAND, TEXAS

MARALO, INC.

Well Name : MARALO/BONDS WELL #1
Location : LEA COUNTY, NEW MEXICO
:
:
Date Surveyed : 3-21-1993
Job Number : 32M0393076
Surveyor : RICK EATON

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

 COMPANY REPRESENTATIVE

SCIENTIFIC DRILLING INTERNATIONAL

Company : MARALO, INC.
Well Name : MARALO/BONDS WELL #1
Location : LEA COUNTY, NEW MEXICO

Page 1 of 1
Date 3-21-1993
Filename : BONDS#1

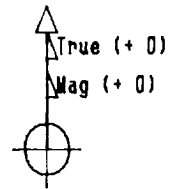
No Interpolation

MD ft	INC deg	DIR deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	D'LEG °/100
9600.0	0.75	S78.00°W	9599.42	26.00	23.40	-30.42	0.0
9720.0	2.77	N75.90°W	9719.36	26.54	19.82	-27.19	1.8
9813.0	5.77	N88.97°W	9812.09	27.17	12.96	-20.89	3.4
9906.0	6.81	S88.33°W	9904.53	27.10	2.78	-11.20	1.2
9999.0	7.99	N86.91°W	9996.76	27.29	-9.19	0.00	1.4
10091.0	9.33	N88.38°W	10087.71	27.84	-23.03	13.05	1.5
10184.0	9.33	S87.43°W	10179.48	27.72	-38.10	27.38	0.7
10277.0	9.68	S59.79°W	10271.25	23.44	-52.39	42.29	4.9
10369.0	10.27	S53.57°W	10361.86	14.68	-65.67	57.66	1.3
10462.0	9.61	S56.65°W	10453.46	5.49	-78.83	73.05	0.9
10555.0	8.97	S59.35°W	10545.24	-2.48	-91.55	87.64	0.8
10648.0	7.92	S63.85°W	10637.23	-9.00	-103.54	101.07	1.3
10740.0	6.91	S66.99°W	10728.46	-13.95	-114.32	112.87	1.2
10833.0	6.71	S65.35°W	10820.81	-18.40	-124.41	123.85	0.3
10926.0	6.79	S65.17°W	10913.16	-22.98	-134.34	134.71	0.1
11019.0	6.87	S69.67°W	11005.50	-27.22	-144.54	145.74	0.6
11111.0	6.81	S71.48°W	11096.85	-30.87	-154.88	156.69	0.2
11204.0	6.89	S76.50°W	11189.19	-33.92	-165.53	167.76	0.6
11297.0	6.61	S75.81°W	11281.54	-36.53	-176.14	178.66	0.3
11390.0	6.91	S78.29°W	11373.89	-38.98	-186.81	189.55	0.5
11482.0	6.12	S74.31°W	11465.30	-41.43	-196.95	199.95	1.0
11575.0	5.14	S72.24°W	11557.85	-44.04	-205.69	209.06	1.1
11678.0	3.83	S74.03°W	11660.53	-46.40	-213.39	217.11	1.3
11760.0	4.35	S57.36°W	11742.33	-48.83	-218.64	222.87	1.6
11853.0	7.36	S58.73°W	11834.83	-53.82	-226.71	232.09	3.2
11946.0	8.46	S67.98°W	11926.95	-59.48	-238.14	244.73	1.8
12039.0	8.26	S71.31°W	12018.96	-64.18	-250.81	258.24	0.6
12131.0	8.49	S72.34°W	12109.98	-68.36	-263.54	271.64	0.3
12224.0	9.55	S76.40°W	12201.83	-72.26	-277.58	286.19	1.3
12317.0	10.14	S78.58°W	12293.46	-75.69	-293.11	302.00	0.8
12410.0	10.50	S80.05°W	12384.96	-78.78	-309.48	318.51	0.5
12502.0	10.99	S82.10°W	12475.34	-81.43	-326.42	335.42	0.7
12595.0	10.13	S84.01°W	12566.77	-83.51	-343.34	352.13	1.0
12650.0	10.13	S84.01°W	12620.91	-84.52	-352.96	361.57	0.0

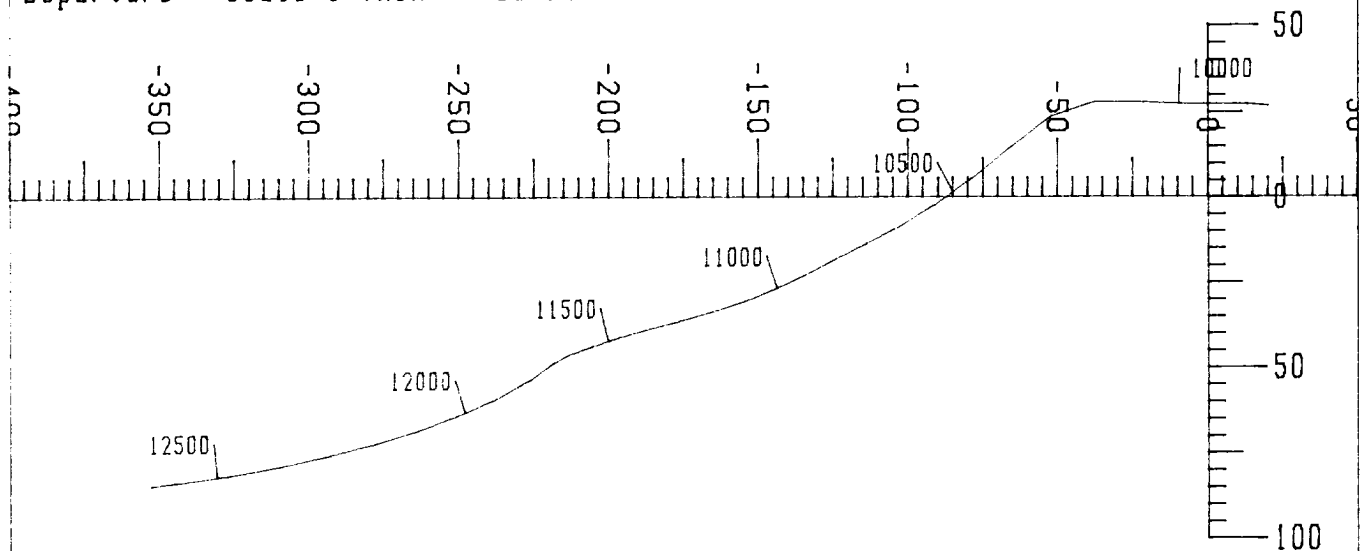
Origin of Bottom Hole Closure PLATFORM CENTRE
Bottom Hole Closure 363 ft S76.53°W



SCIENTIFIC DRILLING INTERNATIONAL
FOR
MARALO, INC.
BOND #1-R
IN
LEA COUNTY, NEW MEXICO



Departure Scale 1 inch = 50 ft



PLANE OF VERT SECTn S71 34W