



April 12, 1993

VIA FEDERAL EXPRESS

Mr. Michael E. Stogner
Chief Hearing Officer/Engineer
State of New Mexico
Energy, Minerals and Natural
Resources Department
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504

RE: Application for Exception to Division
General Rule 111. Bonds Well No. 1;
H-20-T9S-R35E, Lea County, New Mexico

Dear Mr. Stogner:

As requested in your letter dated April 5, 1993, attached please find one copy of the directional survey performed by Scientific Drilling International, Midland, Texas, with diagram.

Should additional information be required, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Dorothea Owens".

Dorothea Owens
Regulatory

cc w/attach.: ✓ Oil Conservation Division - Hobbs
William J. LeMay - Director
William F. Carr - Santa Fe
Richard A. Gill - Division Engineer, Midland

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

Paul -
Could you please
calculate the
BHL.

$$\begin{array}{r} 1050 \\ + 84.52 \\ \hline 1734.52 \text{ FN} \\ \\ 330 \\ + 352.96 \\ \hline 682.96 \text{ FE} \end{array}$$

is survey is correct to the best of my
d is supported by actual field data.

[Signature]

COMPANY REPRESENTATIVE

BHL: 1734.52/N + 682.96/E
by PK

SCI TIFIC 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

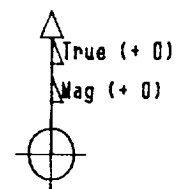
Interpolation

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

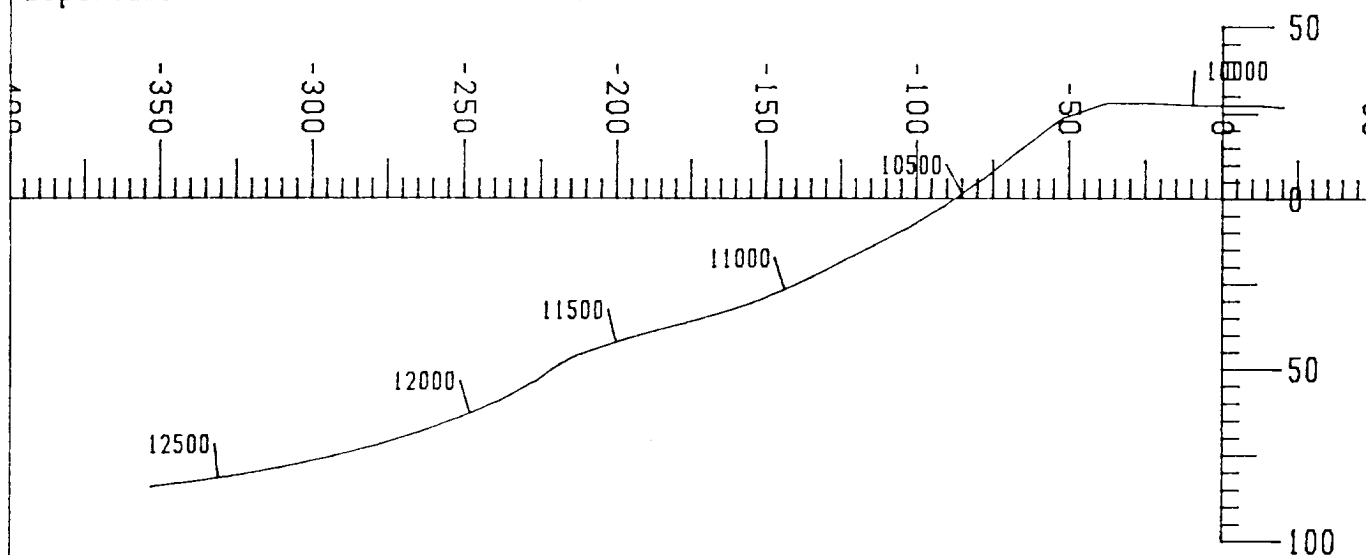
Origin of Bottom Hole Closure PLATFORM CENTRE
 Bottom Hole Closure 363 ft S76.53°W



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