

C O P Y

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December 10, 1969

CAYMAN CORPORATION
512 Midland Savings Building
Midland, Texas

Gentlemen:

We submit the following deviation surveys for your information. These surveys were taken on the Cayman Corporation Arco Federal #1 well, in Section 30, T-24-S, R-38-E, Lea County, New Mexico.

Depth (Feet)	Inclination (Degrees)	Displacement (Feet)	Accumulative Displacement (Feet)
190	1/4	.83	.83
945	1/4	3.32	4.15
1370	1/4	1.87	6.02
1665	1/2	2.57	8.59
1930	1/2	2.31	10.90
2000	1	1.22	12.12
2220	1-1/2	5.76	17.88
2310	1-1/4	1.96	19.84
25001	1-3/4	5.80	25.64
2685	1-1/4	4.03	29.67
2930	3/4	3.21	32.88
3280	1/2	3.05	35.93
3548	1/4	1.18	37.11
3790	1/4	1.06	38.17
4095	1/4	1.35	39.52
4720	1/4	2.75	42.27
5142	1/4	1.86	44.13
5455	1/4	1.38	45.51
5735	1/2	2.44	47.95
6090	1/4	1.56	49.51
6555	1/4	2.04	51.55
6625	1/4	.31	51.86
6940	1/2	2.76	54.62
7390	1/4	1.98	56.60
7670	1	4.90	61.50
7970	3/4	3.93	65.43
8570	1-3/4	18.30	83.73
8795	1-3/4	6.86	90.59
9360	1-1/4	12.32	102.91
9810	2	15.70	118.61
10060	2	8.72	127.33
10285	2	7.85	135.18
10400	2	4.01	139.19

TOTAL DISPLACEMENT 139.19

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Cayman Corporation
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Certification of Personal Knowledge Inclination Data:

I hereby certify that I have personal knowledge of
the data and facts on this form and that such information given
above is true and complete.



J. L. Warton, President

WARTON DRILLING COMPANY

Sworn and subscribed to before me this 10th day of December, 1969 .

Marilyn Neatherlin
Notary Public in and for
Ector County _____, Texas