

DEVIATION CHART


The Atlantic Refining Company's State "AY" #1 WELLS OFF IN O. & G.
Section 27, T-16-S, R-33-E, Lea County, New Mexico

SEP 14 8 35 AM '64

<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>
250'	1	5,215'	1-1/4
415'	1-1/4	5,520'	3/4
750'	1/4	5,860'	1
1,350'	1	6,260'	1
1,650'	2	6,520'	1
2,050'	3	6,800'	1-1/4
2,240'	3	7,050'	1
2,355'	1-1/2	7,120'	1
2,670'	2	7,480'	1
2,962'	2	7,610'	3/4
3,290'	3	7,770'	1/4
3,330'	3	8,050'	1-1/2
3,525'	3-1/2	8,390'	3/4
3,580'	4	8,605'	1
3,650'	4	9,260'	1-1/4
3,695'	4	9,490'	2
3,725'	3	10,075'	1
3,750'	3	10,356'	1
3,850'	2	10,485'	1/4
3,910'	2-1/2	10,600'	3/4
4,000'	1-1/4	10,739'	1
4,030'	3/4	10,850'	1/2
4,175'	1-1/2	10,940'	3/4
4,285'	1/4	11,060'	1/4
4,450'	3/4	11,284'	3/4
4,581'	3/4	11,430'	1-1/4
4,831'	1	11,640'	1

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

NOBLE DRILLING CORPORATION


E. P. Rosser, Division Manager

STATE OF TEXAS
COUNTY OF MIDLAND

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared E. P. Rosser known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 2nd day of September, 1964.

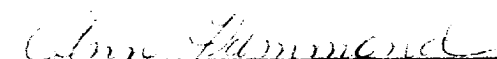

Notary Public in and for
Midland County, Texas.

EXHIBIT A

This exhibit is a true and correct copy of the original as shown to the undersigned by the person who produced it.

<u>Page</u>	<u>Amount</u>	<u>Particulars</u>	<u>Page</u>
1	11,400	11,400	1
2	11,400	11,400	2
3	11,400	11,400	3
4	11,400	11,400	4
5	11,400	11,400	5
6	11,400	11,400	6
7	11,400	11,400	7
8	11,400	11,400	8
9	11,400	11,400	9
10	11,400	11,400	10
11	11,400	11,400	11
12	11,400	11,400	12
13	11,400	11,400	13
14	11,400	11,400	14
15	11,400	11,400	15
16	11,400	11,400	16
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96	11,400	11,400	96
97	11,400	11,400	97
98	11,400	11,400	98
99	11,400	11,400	99
100	11,400	11,400	100

I hereby certify that I have personally examined the original and compared it with this copy and find that such information given as true and complete.

NOTARY PUBLIC

[Signature]
 Notary Public

STATE OF TEXAS
 COUNTY OF MICHIGAN

Before me, the undersigned, a Notary Public in and for the State of Texas, on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Witness my hand and seal of office this day of September, 1901.

NOTARY PUBLIC
 My Comm. Expires _____