

OPERATOR: Shell Oil Company ADDRESS: P. O. Box 135, Roswell, New Mexico 88201
FIELD: Wildcat LEASE Federal RE WELL NO. 1
LOCATION: 660' FNL & 1650' FWL, Section 4, T-24-S, R-34-E, WPM Survey, Lea County, New Mexico

DEVIATION RECORD

Depth Feet	Deviation deg.	Maximum Horizontal Displacement	Depth Feet	Deviation deg.	Maximum Horizontal Displacement
919	1/8	1.8	11292	1	271.8
1750	1	16.3	11474	1 1/4	275.8
2226	1 1/2	28.8	11684	3/4	278.5
2775	1 3/4	45.5	12385	1/4	281.6
3245	4	78.3	12450	1/4	281.9
3311	4	82.9	12722	3/4	285.5
3403	4 3/4	90.5	12841	1	287.6
3504	5	99.2	12916	1 1/4	289.2
3566	5 1/2	104.9	13104	1 3/4	294.9
3658	4 1/4	111.7	13353	3/4	298.2
3750	3	116.5	13440	3	302.8
3841	3	121.2	13536	3	307.8
3941	2 1/4	125.1	13714	5	323.3
4065	1	127.3	13836	4 3/4	333.4
4816	3	166.4	13959	6	346.3
4878	3	169.6	13985	6	349.0
5011	2 1/2	175.4	14072	6	358.1
5278	1 1/2	182.4	14092	6 1/2	360.4
5904	1	193.4	14542	5	399.6
6450	3/4	200.5	14629	5 1/4	407.6
7086	1 1/4	214.4	14695	5 1/4	413.6
7378	1	219.5	14900	5	431.4
7518	1	222.0	15048	5	444.3
7726	1	225.6	15556	4 3/4	486.3
8043	1/2	228.3	15754	4 1/4	501.0
8220	1	231.4	16332	4 3/4	549.0
8359	3/4	233.2	16838	5	593.1
8565	1/2	235.0	16108	5	616.6
8721	1/2	236.4	17384	4 3/4	639.4
9205	3/4	242.7			
10890	3/4	264.8			

The maximum horizontal displacement assumes all hole deviation remains in the same direction and would, therefore, be the greatest distance that the hole at depth could be displaced from surface location.

It should be noted that the final plugged back depth for this well will be 14,990' and the maximum displacement at this depth is 440' - well within the 660 feet limitation of the lease lines.

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

J. G. Yope
Shell Oil Company

STATE OF NEW MEXICO
COUNTY OF CHAVES

Before me, the undersigned authority, on this day personally appeared
J. G. Yope, known to me to be the person whose name is
subscribed hereto, who, after being duly sworn, on oath states that he is acting
at the direction and on behalf of the operator of the well identified in this
instrument and that such well was not intentionally deviated from the vertical.

Sworn and Subscribed to before me, this the 30th day of July, 19 63.

Loris L. Harrison
Notary Public in and for Chaves County,
New Mexico