

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL		Log on well since I have no Form C-105	X

Oklahoma City, Oklahoma

March 25, 1948

Date

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____

Murphree and Bond Drilling Co. Berkshire Bros. Well No. 1 in the _____
Company or Operator Lease
NW 1/4 of Sec. 19, T. 6 N, R. 9 W, N. M. P. M.,
Wildcat Field, Torrance County.

The dates of this work were as follows: November 8, 1947 to March 26, 1948

Notice of intention to do the work was (was ~~not~~ submitted on Form C-102 on _____ 19____
and approval of the proposed plan was (was ~~not~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

To Submit Log

Witnessed by _____

Name	Company	Title
Subscribed and sworn before me this _____ day of _____ 19____	I hereby swear or affirm that the information given above is true and correct.	
<u>Virgil J. Frankl</u>	Name <u>B. J. Murphree</u>	
Notary Public	Position <u>Partner</u>	
	Representing <u>Murphree & Bond</u>	
	Company or Operator	

My Commission Expires Nov. 16, 1948

My commission expires _____ Address _____

Remarks:

APPROVED

APR 1 2 1948

Name

Title

WELL RECORD

Murphree and Bond Drilling Co.
Berkshire Bros. No. 1 (Privately-owned land)
NW NE NW Section 19, T 6 N, R 9 E
Torrance County, New Mexico.

Commenced Drilling ----- November 8, 1948⁴⁷

Plugged ----- March 26, 1948

Elevation ----- 6101'

Total Depth 3268'

No oil sands.

Plugged back with 20 sacks of cement
to 2690'

Treated with 2000 gals of 15 % HCL acid from
2519' to 2587'.

DRILL STEM TESTS.

1. 11-26-47 Drillstem test, 1352' to 1445'; open 50 minutes, recovered 80' of mud.
2. 12-22-47 Drillstem test, 2988' to 3046', open 30 minutes, slight blow thru test. Recovered 120' mud.
3. 12-22-47 Drillstem test, 2486' to 3046', open 1 hr. 55 minutes, good good blow thru test, recovered 800' mud and 910' oil and gas cut mud.
4. 1-4-48 Drillstem test, 3052' to 3068', open 2 hrs, 5 minutes, recovered 140' mud.
5. 1-4-48 Drillstem test, 2488' to 2719', open 1 hr, 30 minutes, good blow for 56 minutes, recovered 640' of oil and gas cut mud.

DEVIATION SURVEYS.

Deviation surveys were run every 500', and all were less than 1 degree from vertical.

ROTARY TOOLS WERE USED

Log

Depth	Formation	Depth	Formation
0-158	Sand and Shale	1796-1836	Lime
158-385	Sand shale and Lime	1836-1875	Red bed and shell
385-425	Lime	1875-1905	Lime
425-480	Lime	1905-1974	Red bed
480-499	Shale	1974-2813	Lime
499-606	Red bed	2813-2828	Shale
606-770	Red bed	2813-3046	Broken Lime and shale
770-795	Lime	3046-3089	Lime
795-835	Lime	3089-3268	Schist (Top of Pre-Cambrian 3090')
835-1170	Red bed		
1170-1178	Lime		
1178-1235	Red bed		
1235-1258	Lime		
1258-1295	Red bed		
1295-1302	Lime		
1302-1408	Red bed		
1408-1413	Lime		
1413-1474	Red bed and shell		
1474-1495	Lime		
1495-1603	Red bed and shell		
1603-1658	Lime		
1658-1710	Red bed and shell		
1710-1735	Lime		
1735-1786	Red bed and Gyp		

Total Depth 3268'

CASING

16" set at 362' (not pulled)
Cemented from top to bottom
7" set 2515' With 30 sacks
cement. About 2300' pulled.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is shown that the function $f(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{2}$ as $x \rightarrow \infty$ and a vertical asymptote at $x = 0$ as $y \rightarrow \infty$.

2. The second part of the paper is devoted to the study of the properties of the function $g(x)$ defined by the equation

$$g(x) = \int_0^x \frac{1}{1+t^4} dt$$

It is shown that the function $g(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{4}$ as $x \rightarrow \infty$ and a vertical asymptote at $x = 0$ as $y \rightarrow \infty$.

3. The third part of the paper is devoted to the study of the properties of the function $h(x)$ defined by the equation

$$h(x) = \int_0^x \frac{1}{1+t^6} dt$$

It is shown that the function $h(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{6}$ as $x \rightarrow \infty$ and a vertical asymptote at $x = 0$ as $y \rightarrow \infty$.

4. The fourth part of the paper is devoted to the study of the properties of the function $k(x)$ defined by the equation

$$k(x) = \int_0^x \frac{1}{1+t^8} dt$$

It is shown that the function $k(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{8}$ as $x \rightarrow \infty$ and a vertical asymptote at $x = 0$ as $y \rightarrow \infty$.

5. The fifth part of the paper is devoted to the study of the properties of the function $l(x)$ defined by the equation

$$l(x) = \int_0^x \frac{1}{1+t^{10}} dt$$

It is shown that the function $l(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{10}$ as $x \rightarrow \infty$ and a vertical asymptote at $x = 0$ as $y \rightarrow \infty$.