



LOCATE WELL CORRECTLY

LITTLE LUCKY LAKE UNIT

HOBBS OFFICE LEASE OFFICE NM-0338-A

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

SEP 22 AM 9:49
UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **TEXACO Inc.** Address **P. O. Box 352, Midland, Texas**
 Lessor or Tract **Peery - Federal** Field **Little Lucky Lake State New Mexico**
 Well No. **3** Sec. **29** T15-S R30-E Meridian **NMPM (Devonian)** County **Chaves**
 Location **1820** ft. ^[N] of **S** Line and **2140** ft. ^[E] of **W** Line of **Sec. 29** Elevation **3953'**
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *[Signature]*

Date **September 17, 1959**

Title **Assistant District Superintendent**

The summary on this page is for the condition of the well at above date.

Commenced drilling **June 30**, 1959 Finished drilling **September 7**, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **11,056** to **11,136** No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

Drilled with rotary tools and ~~no water sands tested~~

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
13 3/8	48.00	8R	H-40	440	Howco	None	none	none	Surface
9 5/8	36.00	8R	H-40	2916	Howco	None	none	none	Production
5 1/2	17.00	8R	N-80	11236	Howco	None	See above		Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 5/8	458	600	Howco		
9 5/8	2930	1700	Howco		
5 1/2	11250	250	Howco		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to **11,250** feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

September 17, 1959 Put to producing **September 11**, 1959

The production for the first 24 hours was **780** barrels of fluid of which **100**% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours **None** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W. A. Barfield, Driller **B. H. Sparkman**, Driller
A. A. Ferguson, Driller **O. M. McKnight**, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION	
0	90	90	Caliche	TD 11,250'
90	1130	1040	Red Bed	PBD-11,248'
1130	1500	370	Anhy & Salt	
1500	2482	982	Anhy	
2482	2614	132	Anhy & Gyp	
2614	2720	106-	Anhy	
2720	2807	87	Anhy & Lime	
2807	3866	1059	Lime	
3866	4017	151	Lime & Sand	425 Anhy
4017	6298	2281	Lime	735 top of salt
6298	6718	420	Lime & Shale	1288 btm of salt
6718	8051	1333	Lime	1453 Yates
8051	8829	778	Lime & Shale	2202 Queens
8829	9938	1109	Lime	2582 Grayburg
9938	10137	199	Lime & Shale	2894 San Andres
10137	10291	154	Lime & Chert	4344 Glorieta
10291	10530	239	Lime & Shale	5666 Tubb
10530	10946	416	Lime & Chert	6412 Abo
10946	11053	107	Lime & Shale	7726 Wolfcamp XX
11053	11200	147	Lime	10184 Upper Mississippi
11200	11250	50	Lime & Chert	10440 Lower Mississippi
				11047 Devonian

All measurements from rotary table or 12' above ground level.
 Estimate No. 8854

4 - Federal, 1 - NMOCC, 1 - Div., 1 - File, 1 - Field, 1 - Mrs. Rhea

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET—	FORMATION
		1062	
		1364	
		1454	
		1590	
		1721	
		1901	
		2025	
		2201	
		2343	
		2651	
		2825	
		2925	
		3146	
		3292	
		3650	
		3866	
		4028	
		4218	
		4390	
		4529	
		4639	
		4769	
		5164	
		5515	
		5631	
		5823	
		5997	
		6153	
		6334	
		6507	
		6782	
		6892	
		6984	
		7090	
		7203	
		7228	
		7875	
		8023	
		8545	
		9085	
		9469	
		9702	
		10220	
		10642	
		11250	
1	1/2		1062
1	3/4		1364
2	1/2		1590
1	3/4		1721
1	1/2		1901
1	1/2		2025
1	1/2		2201
1	3/4		2343
1	1/2		2651
1	1/2		2825
1	1/2		2925
1	1/2		3146
1	3/4		3292
1	1/2		3650
1	1/2		3866
1	1/2		4028
1	1/2		4218
1	3/4		4390
1	1/2		4529
1	1/2		4639
1	1/2		4769
1	1/2		5164
1	1/2		5515
1	1/2		5631
1	3/4		5823
1	1/2		5997
1	1/2		6153
1	1/2		6334
1	3/4		6507
1	1/2		6782
1	1/2		6892
1	1/2		6984
1	1/2		7090
1	1/2		7203
1	1/2		7228
1	3/4		7875
1	1/2		8023
1	1/2		8545
1	1/2		9085
1	3/4		9469
1	1/2		9702
1	1/2		10220
1	3/4		10642
1	1/2		11250

OIL CONSERVATION COMMISSION
DISTRICT OFFICE

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. Spudded 1 7/8" hole 10:00 AM, June 30, 1959. Ran 440' of 13 3/8" OD casing and cemented at 450' with 600 ex. regular cement. Tested before and after drilling plug for 30 minutes with 600 PSI. Tested OK. Job completed 6:00 PM 7/3/59. Ran 2916' of 9 5/8" OD casing and cemented at 2930' with 500 ex. 4 1/2 gal and 200 ex. neat cement. Cement circulated. Tested before and after drilling plug for 30 minutes with 1000 PSI. Tested OK. Job completed 5:30 PM 7/9/59. DST No. 1 from 2876' to 2925'. Tool open 30 min. with slight blow and died in 5 minutes. Recovered 90' drlg. mud. No SI press taken. IF 110# FF 110#. No PSI press taken. HI 1680# HO 1670#. Complete 1:30 PM 7/1/59. DST No. 2 from 11,038' Miss run. (to 11,125) DST No. 3 from 11,015' to 11,125 Miss run. DST No. 4 from 11,060 to 11,125 tool open 2 hours GTS in 12 minutes and continued throughout test. Gas flow 337 MCF per day. No fluid to surface. Rev. out 12 BO and no water. 30 MISI-4380 IF 85 FF 600 30MISI-4380 HI 5421. I-150°. Complete 7:00 PM 9/2/59. DST No. 5 11,150 to 11,200. Tool open 1 1/2 hours with few weak air bubbles and died. Left open 30 min. Reset tool with no results. Left open 1 hour. Rec. 10' DMNS 30MISI-55 IF 55 FF 55 30 MFSI-55 HI 510 HO 510 F-144°. Comp. 10:50 AM 9/5/59. DST No. 6 11,200' to 11,250' tool open 2 hours with good blow air decreased to weak blow at the end of test. Received 20' VSGDM. NS oil or water. 30 MISI-970 IF-60 FF 60 30MFSI-820 HI 570 HO 570. Completed 11:30 AM 9/8/59. Ran 11,236' of 5 1/2" OD casing and cemented at 11,250' with 240 ex. 4 1/2 gal. Plug at 11,212 Top of cement by temp. survey 9913'. Tested before and after drilling plug for 30 minutes with 1500 PSI. Tested OK. Job complete 6:30 PM 9/10/59. LITTLE LUCKY LAKE (Devonian) (O11) Perforate 5 1/2" OD casing 11,056' to 11,136' with 4 jet shots per foot. Ran 11,128' of tubing with packer set at 11,024'. Acidize perforations with 500 gal regular 15% acid at 3BPM. Job complete 9:20 AM 9/12/59. TEST: LITTLE LUCKY LAKE (Devonian) (O11) Zone On 8 hr RT Devonian Oil Zone flowed 260 BO and no water through 25/64" choke. Completed 6:30 PM, September 12, 1959.

Gravity 56.0
GOR 1800
Top of Pay 11,056
Btm of Pay 11,136
NMOC Date 9-7-59
TEXACO Inc. Date 9-12-59