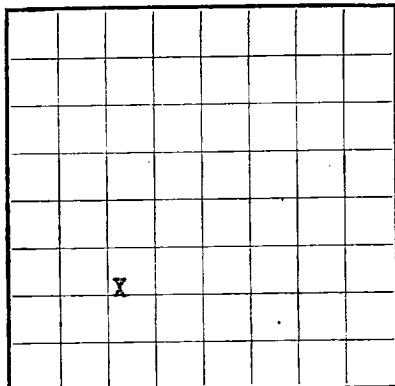


LITTLE LUCKY LAKE UNIT

U. S. LAND OFFICE NM-0338-A

HOBBS OFFICE OCC

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES 10 10
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ANALYSIS

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 T 15-S R 30-E Meridian NMPM (Devonian) County Chaves
Location 1820 ft. ^N of S Line and 210 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

IMPORTANT WATER SANDS

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	18.00	82	H-40	440	Howco	None	none	none	Surface Production
9 5/8	36.00	82	H-40	2916	Howco	None	none	none	
5 1/2	17.00	82	V-80	11236	Howco	None	See above	See above	

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 775 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. M. Sparrman, Driller

A. A. Ferguson, Driller G. 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 6422 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 - NMOC, 1 - Div., 1 - File, 1 - Field, 1 - Mrs. Rhea

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
		1364	1 3/4
		1754	2
		1590	2 1/2
		1721	1 3/4
		1901	1 1/2
		2025	1 1/2
		2201	1
		2343	3/4
		2651	1/2
		2825	1/2
		2925	1
		3146	1/2
		3292	3/4
		3650	1/2
		3866	1/2
		4028	1/2
		4218	1/2
		4390	3/4
		4529	1/2
		4639	3/4
		4769	1
		5264	1/2
		5515	1
		5631	0
		5823	3/4
		5997	1/2
		6153	1 1/2
		6334	1
		6507	3/4
		6762	1 1/2
		6892	1 1/2
		6924	3/2
		7090	1 1/4
		7203	3/4
		7384	1 1/2
		7720	3/4
		7875	3/4
		8023	1 1/2
		8545	1 3/4
		9085	1 1/2
		9469	1 3/4
		9702	1 1/2
		10220	2 1/4
		10642	3
		11250	4 1/2

Depth (feet)

FORMATION RECORD

Degrees Off

HISTORY OF OIL OR GAS WELL

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 balling. Spudded 1 7/8" hole 10:00 AM, June 30, 1959. Ran 440' of 13 3/8" OD casing and cemented at 456' 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 gel 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 flow FF flow. No PSI press taken. HI 1680' NO 1670'. Complete 1:30 PM 7/7/59. 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 B0 and no water. 30 MISI-4380 IF 85 FF 600 30MISI-4380 HI 5421. 1-150'. 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' DMS 30MISI-55 IF 55 FF 55 30 MSSI-55 HI 5513 HO 5510 1-144'. 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' VASGDM. NS oil or water. 30 MISI-970 IF-60 FF 60 30MSSI-820 HI 5570 HO 5510. 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 gel. Plug at 11,212 Top of cement by temp. survey 9943'. Tested before and after drilling plug for 30 minutes with 1500 PSI. Tested OK. Job complete 6:30 PM 9/10/59. Little Luck Lake (Devonian) (OIL) Perforate 5 1/2" OD casing 11,056' to 11,136' with 7 jet shots per foot. Ran 11,128' of tubing with packer set at 11,024'. Acidize perforations with 500 gal regular 15% acid at 3PM. Job complete 9:20 AM 9/12/59. FIRST: LITTLE LUCK LAKE (Devonian) (OIL) Zone On 8 hr PT Devonian Oil Zone flowed 260 B0 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
NMOG Date 9-7-59
TEXACO Inc. Date 9-12-59