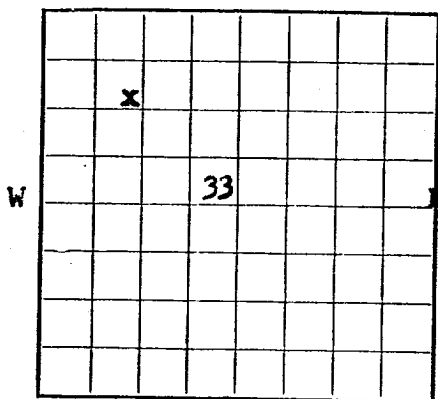


Santa Fe
U. S. LAND OFFICE
N.M. 05140
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
LOG OF OIL OR GAS WELL

Company **J. R. Lockhart** Address **Box 101, Truth or Consequences, N. Mex.**
Lessor or Tract _____ Field **Wildcat** State **New Mexico**
Well No. **2** Sec. **33** T. **4** R. **6** Meridian **N.M.N.** County **Socorro**
Location **660** ft. **N.** of _____ Line and **660** ft. **W.** of _____ Line of **Sec. 33** Elevation **5693**
(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 **J. R. Lockhart** Title **Owner**
Date **December 10, 1954**

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

Commenced drilling **February 20**, 19**54** Finished drilling **July 3**, 19**54**Taken from
Schlamberger picture**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from **630** to **690** No. 4, from _____ to _____
No. 2, from **1364** to **1390** No. 5, from _____ to _____
No. 3, from **2530** to **2540** No. 6, from _____ to _____

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—	
10.58	30	8	Seamless	238	Set Shoe	None	Surface	Pipe	
5" O.D.	15	8	55 J	2747	Float Shoe				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5" O.D.	2647	275 Cement	Pumped down	40	
Run Schlumberger picture to 3037 with log			Circulated from top to bottom		
Run Micro Log to 2700					

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

MARK
FOLD

Run Schlumberger picture to 3037 with log
Run Micro Log to 2700

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
1 1/2	5002					
1 1/2	1 1/2					
1 1/2	1 1/2					

TOOLS USED

Rotary tools were used from _____ Start _____ feet to 3037 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. _____ Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Frank Bolton _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Lockhart #2 Lockhart -	660 N. 660 W.	Sec 33, T. 4S., R. 6E. Socorro County	
250	275		Light red sand
275	280		Dark gray shale
280	335		Light red sand with some thin beds of light gray lime
335	345		Medium gray lime
345	425		Light tan and light red sand
425	455		Light red sand
455	470		Dark gray shale and light gray sand
470	1025		Dark red shale mottled green
1025	1030		Granite wash
1030	1125		Dark purplish, red & dark red shale with thin beds of granite wash
1125	1150		Light gray lime
1150	1160		Granite wash
1160	1385		Alternating light gray lime & dark purplish red shale - Granite wash at 1180, 1210, 1230, & 1285
1385	1410		Light gray to dark gray lime
1410	1420		Granite wash
1420	1440		Medium gray lime
1440	1455		Granite wash with some thin red shales
1455	1475		Light gray lime
1475	1500		Granite wash & red shale

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION	10-4394-3
1500	1555		Light to medium gray lime	
1555	1600		Fine granite wash	
1600	1615		Dark gray shale	
1615	1640		Light gray lime	
1640	1650		Dark gray shale	
1650	1660		Fine granite wash	
1660	1710		Light to medium gray lime, thin beds of dark gray & green shale	
1710	1725		Dark gray & green shale, with thin beds of light gray sand	
1725	2205		Mostly light gray lime; few thin beds of dark gray to black shale & very fine granite wash	
2205	2315		Dark gray to black shale with some granite wash	
2315	2325		Light gray lime	
2325	2595		Dark gray shale; few beds of lime	
2595	2605		Red shale	
2605	2620		Dark gray shale	
2620	2635		Lime, light gray to brown, some pyrite	
2635	2676		Hard lime	
2676	2686		Lime and shale	
2686	2690		Quartz	
2690	2715		Lime and shale	
2715	2740		Lime and shale	
2740	2745		Lime and shale	
2745	2752		Sandy and lime	
2752	2769		Sandy lime and shale	
2769	2790		Lime and andyrite	
2790	2803		Gray lime and shale	
2803	2829		Hard sand and shale, streak of lime	
2829	2832		Lime and sandy shale	
2832	2851		Quartz hard lime	
2851	2864		Dense hard lime	
2864	2870		Blue shale	
2870	2900		Lime and shale	
2900	2926		Lime and shale	
2926	2960		Lime and shale	
2960	2972		Lime and quartz	
2972	2986		Hard lime quartz and shale	
2986	3037		Hard shale, with quartz	
			GEOLOGIC TOP	
			Yes	
			Bursum	
			Arkosic lime member of Pennsylvanian	
			Lower Madera	
			Upper Sandia	

6-20-1954

ENCLOSURE RECORD

Run Drill Stem Test to Depth of 2649 to 2769.	
No Fluid and very weak blow.	
No Recovery.	
A copy of report from Johnson Testing Company attached hereto.	