

**Santa Fe, New Mexico**

100 MAR 23 PM 3:01

X Section 25

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**Buckley B**

.....  
(Company or Operator)

(Large)

Well No. 4, in SE  $\frac{1}{4}$  of NW  $\frac{1}{4}$ , of Sec. 25, T-14-S, R-37-E, NMPM.

Don't be

Pool.....Lee

...County.

Well is 2310 feet from North line and 1650 feet from West line.

of Section 25 If State Land the Oil and Gas Lease No. is \_\_\_\_\_

Drilling Commenced December 18, 1954 Drilling was Completed March 9, 1955

Name of Drilling Contractor..... **Loffland Bros.**

Address V & J Tower, Room 306, Midland, Texas

Elevation above sea level at Top of Tubing Head.....3809..... The information given is to be kept confidential until

Not confidential..... 19.....

No. 1. from 12,196 to 12,550 No. 4. from \_\_\_\_\_ to \_\_\_\_\_

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

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

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from ..... to ..... feet. ....

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	40#	new	356				Surface String
8 5/8"	32#	new	4,723				Salt String
5 1/2"	17# & 20#	new	12,395				Oil String

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/4"	13 3/8"	340	350	Pump & Plug	Cemented to Surface	
11"	8 5/8"	4,734	2900	Pump & Plug	Cemented to Surface	
7 7/8"	5 1/2"	12,405	850	Pump & Plug		

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Treated open hole interval 12,396' - 12,550' w/1000 gallons mda acid.

Treated open hole interval w/1500 gallons mud cleanup agent.

Result of Production Stimulation..... On 24 hours GPT flowed 287 BO, out 0.1% BS, no water, thru 22/64"

choke. PEP 300 psi. of 450 psi.

...Depth Cleaned Out.....**12,350'**

# RECORD OF DRILL-SHEET AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

## TOOLS USED

Rotary tools were used from 0 feet to 12,550 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

## PRODUCTION

Put to Producing March 24, 1955

OIL WELL: The production during the first 24 hours was 287 barrels of liquid of which 99.9% was oil; % was emulsion; % water; and 0.1% was sediment. A.P.I. Gravity 47.1 deg. COR 938

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy.		T. Devonian	12,396' (-8577')
T. Salt.		T. Silurian	
B. Salt.		T. Montoya	
T. Yates.		T. Simpson	
T. 7 Rivers.		T. McKee	
T. Queen.		T. Ellenburger	
T. Grayburg.		T. Gr. Wash.	
T. San Andres.		T. Granite	
T. Glorieta.	6217' (-2398')	T. Wolfcamp	9310' (-5491')
T. Drinkard.	5114 7357' (-3538')	T.	
T. Tubbs.		T.	
T. Abo.	8065' (-4246')	T.	
T. Penn.		T.	
T. Miss.	11,526' (-7707')	T.	

## FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	9200	9200	No samples taken	DST # 1:	9330' - 9420'	(90'	Wolfcamp dolomite & limestone). Tool open 2 hours thru 5/8" NC & 1" TO on 4 1/2" DS. Immediate weak blow gradually increasing to fair throughout test. Mud falling slowly in annulus. Blow ceased after 1 hour & 35 minutes. Mud in annulus stopped falling, indicating leak. By-passed packers. Weak blow immediately after reopening tool indicating leak below main valve. Recovered: 495' drilling mud. No signs of hydrocarbons. FBHP 60 - 310 psi. 30 minutes SBHP 2530 psi. NMB 4355 - 4305 psi. Test considered conclusive. (Negative)
9200	12270	3070	Dolomite				
12270	12550	280	Lime				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

March 28, 1955

(Date)

Company or Operator Shell Oil Company  
Name J. R. Christian For: B. Nevill

Address Box 1957, Hobbs, New Mexico  
Position or Title Division Exploitation Engineer