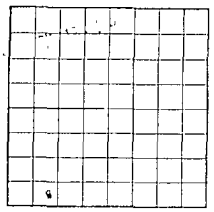
Budget Bureau No. 42-R355.4
Approval Expires 11-30-60

Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 063559
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Buffalo Oil Company Address Artesia, New Mexico
Lessor or Tract Thos. S. Cox Field Young State New Mexico
Well No 4 Sec. 17 T 18 R 32 Meridian NMPM County Lea
Location 460 ft. {N/S} XX of S Line and 990 ft. {E/W} XX of W Line of Sec. 17 Elevation (Derrick floor relative to sea level) 3747 DF

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 Ralph L Gray

Date August 26, 1955 Title Dist. Supt.

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

Commenced drilling January 18, 19 55 Finished drilling Feb 1 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No 1, from Dry Hole to No 4, from to
No 2, from to No 5, from to
No 3, from to 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 From—	Perforated To—	Purpose
8 5/8	24	8rd	J-55	348					Surface
5 1/2	15.5#	8rd	J-55	3810			3738	3760	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	348	250			
5 1/2	3810	350 sx. 8% gel			
		+ 100 sx neat			

FOLD MARK

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
		See History				

TOOLS USED

Rotary tools were used from Surface feet to 3813 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
Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	457		Surface sand & red bed
457	1115		Anhy & Red bed
1115	1592		Salt
1592	2145		Salt & Anhy
2145	3735		Lime and anhy
3735	3813		Lime and sand

(OVER)

16—43094-2

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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, size, 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.

On Feb. 7, 1955, Ran 2 1/2" tubing with packer set at 3651. Fractured perforations 3738-60 with 15,000 gallons sand-oil ~~mix~~ plus 15,000# sand. Injection rate 8.5 BBLS/Min. Pressure 3600 psi Swabbed but did not recover all load oil. Ran radioactive tracer survey. Showed fluid to be entering perforations. Shot casing with Wilex "bear" gun at 3749 and 3758'. Pumped in 20 gallons Dowell "free flow" mixed with 2000 gallons oil. Put well on pump. Unable to recover all of load oil. Well is dry. Preparing to plug and abandon.