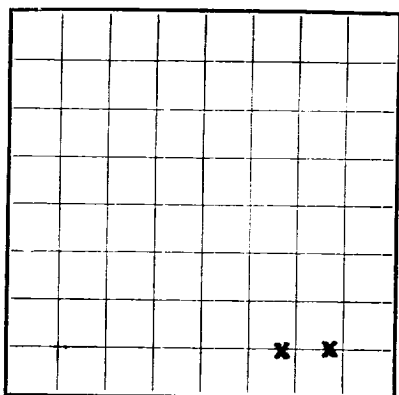


U. S. LAND OFFICE **Reswell, N. M.**  
SERIAL NUMBER **L.C. 682233-b**  
LEASE OR PERMIT TO PROSPECT **Lee.**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company C. H. Sweet Address Box 1115, Hobbs, New Mexico  
 Lessor or Tract Federal Bowers Field Hobbs State New Mexico  
 Well No. 3-A Sec. 20 T. 18S R. 36E Meridian N.M.P.M. County Lea  
 Location 330 ft. N. of S Line and 700 ft. E. of E Line of Sec. 20 Elevation 3647

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.

Date **March 4, 1954** Signed *[Signature]* Title *[Signature]* Operator

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

Commenced drilling 2-7- 1954 Finished drilling 2-28- 1954

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <b>4138</b> to <b>4180</b>	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		Purpose
							From—	To—	
10 3/4	40*	8	Used	258*	Texas Pattern				
7"	26*	8	New	4136*	Float collar & guide shoe				

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	258°	150 sacks circulated to surface			
7"	4138°	600 sacks cemented from 4138° to above top of			
	Sweet Formation Packer set at 4180°.				

## 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 0 feet to 4230 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

-----, 19----- Put to producing **March 1,** 19**54**

The production for the first 24 hours was 48 barrels of fluid of which 94 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. 33.5

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

EMPLOYEES	
<b>N. J. Botkin</b> .....	Driller
<b>J. J. Scarborough</b> .....	Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	185	185	Surface Sand & Caliche
185	262	77	Shells & sand
262	1600	1338	Redbed
1600	1702	102	Anhydrite
1702	2735	1033	Anhydrite & Salt
2735	3359	624	Anhydrite & Gyp
3359	3668	309	Lime & Gyp
3668	4050	382	Lime
4050	4160	110	Lime & Sand
4160	4230 T.D.	70	Lime

## FORMATION RECORD—Continued

[illegible]

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### 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.

This well was drilled to a depth of 4170'. Acidized with 250 gallons of 20% acid. 2500' injection. No results. Dry.

Drilled from 4170-4180'. Swabbed down. Showed 1/4 barrel per hour.  
Acidized with 250 gallons. Swabbed for 8 hours - 1/2 bbl. per hour. No water.  
Acidized with 750 gallons 15% low tension acid. Swabbed for 12 hours 1/2 bbl.  
per hour. Injection at 1180' pressure.

Acidized with 5000 gallons 15% acid - 2200\* injection pressure. Swabbed  
3 1/2 barrels per hour - 2 barrels oil - 1 1/2 bbl. water.

Acidized with 8000 gallons 20% low tension followed by 2500 gallons of water. Swabbed at the rate of 6 bbls. per hour - 50% acid water. Got down to 1 barrel per hour - all oil.

Deepened to 4230'. Set packer - Sweet formation packer -- at 4207'.  
Treated with 100 gallons 4207-4230' and recovered 100% water. Set packer  
at 4180'. Producing from 4138' to 4180' at the rate of 2 barrels per hour, cutting  
6%.