Form 9-330

Bureau No. 42-R355.1.
Approval expires 11-30-49.

U. S. Land Office Las Cruces
Serial Number 065108
Lease or Permit to Prospect

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company S.P. Yates Address Carper Bldg., Artesia, N.M.

Lessor or Tract Leonard Field ~~Loco Hills~~ Grayburg-Jackson State N.M.

Well No. 3 Sec. 34 T. 17S R. 29E Meridian N.M.P.M. County Eddy

Location 2 310 ft. {N. / S.} of S Line and 990 ft. {E. / W.} of W Line of Sec. 34 Elevation (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 S. P. Yates

Date April 7, 1947 Title Owner

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

Commenced drilling 9-16-1946, 19 Finished drilling 2-6-1947, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3097 to 3190 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	28#	8	S.H.	400'	Texas				Salt String
7"	20#	8	J&L	3040'	Guide				Production Stri

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	400'	50	Halliburton		
7"	3040'	50	"		10 sax aquagel

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 feet, and from feet to feet

Cable tools were used from 0 feet to 3212 feet, and from feet to feet

DATES

, 19 Put to producing 2-6-1947, 19

The production for the first 24 hours was 15 barrels of fluid of which 100 % 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	125		Red Bed
12 5	190		Gypsum
190	388		Gypsum & Red Bed
388	770		Salt
770	1978		Anhydrite
1978	2005		Red Sand
2005	2330		Anhydrite
2330	2595		Lime - Gray
2 595	2 610		Sandy lime
2610	2645		Lime - Gray
2645	2675		Lime - Pink
2675	2685		Lime - Sandy
2685	2740		Lime - Gray
2740	2770		Lime - Brown
2770	2795		Lime
2795	2810		Sandy Lime - Show of oil
2810	2835		Lime
2835	2840		Lime - White
2840	2965		Lime
2965	2980		Lime Broken
2980	3086		Lime
3086	3090		Lime - S how of oil
3090	3212		Lime
3212	TD		

(OVER)

16—43094-2

FOLD

MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

Acid Record

On Nov. 19, 1946 we acidized well with 1000 gallons 20% acid from 3042' to 3047' using pilot (Dowell method), increasing production from trace to one barrel per day. Nov. 21, 1946 we acidized with 1500 gallons using pilot - acid controlled below 3060'. Well produced 5 barrels per day after treatment. Feb. 6, 1947 we acidized with 3000 gallons 20% acid using pilot - acid controlled below 3060'. Production was increased to 15 barrels per day.

HISTORY OF OIL OR GAS WELL

16—43094-1 U. S. GOVERNMENT PRINTING OFFICE

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.