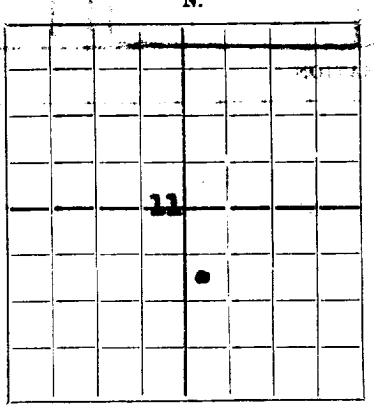
FORM C-105

PUBAT

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED
JUN 29 1948
HOBBS OFFICE

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

Leonard Oil Company (Company or Operator) — Las Cruces Ser. No. 057159 (Lease)

Leonard Federal Well No. 1-J in NW¼SE¼ of Sec. 11, T. 26S

R. 37E, N. M. P. M., Wildcat Field, Lea County.

Well is 1650 feet N of the South line and 2310 feet west of the East line of Section 11

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is _____, Address _____

If Government land the permittee is _____, Address _____

The Lessee is _____, Address _____

Drilling commenced March 23 19 48. Drilling was completed June 16 19 48

Name of drilling contractor Roach and Shepard, Address Artesia, New Mexico

Elevation above sea level at top of casing 3,004 feet.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3400' to 3436' No. 4, from _____ to _____

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

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

IMPORTANT WATER SANDS

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

No. 1, from 40' to 130 feet. _____

No. 2, from _____ to _____ feet. _____

No. 2, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
10-3/4"	40#			169	Tex. Pat.				Surf. String
5-1/2"	14#	8 rd.		2891	" "				Prod. String
8-5/8"	32#	8 rd.		522	" "	Pulled prior to cementing 5½"			
7"	20#	8 rd.		1065	" "	" "	"	"	"

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	10-3/4"	169'	75 sacks	Halliburton		
	5-1/2"	2891	350 sacks	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		Glycerine	40 qts.	6/15	3400-3416'	

Results of shooting or chemical treatment _____

RECORD OF DRILL-STEM 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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from -0- feet to 3511 feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing June 16, 19 48

The production of the first 24 hours was after shot 100 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____

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

Rock pressure, lbs. per sq. in. 1100#

EMPLOYEES

O. B. Roach, Driller C. F. Bowers, Driller

H Rickman, Driller Chapman, Driller

FORMATION RECORD ON OTHER SIDE

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.

Subscribed and sworn to before me this 25th day of June, 19 48

Marita Lanier Surgeisomi
Notary Public.

My Commission expires February 26, 1949

Roswell, New Mexico (Place) June 25, 1948 (Date)

Name Emmett G. White

Position Secretary-Treasurer

Representing Leonard Oil Company (Company or Operator)

Address P.O. Box 872, Roswell, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	130	130	Sand
130	175	45	Red Rock - Ran 169' of 10-3/4" casing Cemented with 75 sacks
175	200	25	Sandy Shale (Red)
200	255	55	Red Rock
255	280	25	Sand, Hard
280	350	70	Red Rock
350	385	35	Shale, Light
385	540	155	Red Rock
540	575	35	Red Rock - 7 bailers of water per hr. at 570-575'
575	595	20	Red Shale, Sandy
595	640	45	Red Shale Anhydrite
640	740	100	Red Bed, Shells
740	845	105	Red Rock Anhydrite - Shells
845	910	65	Red Rock
910	938	28	Anhydrite
938	945	7	Red Rock
945	1070	125	Anhydrite - Increase in water 1050-1060'
1070	1076	6	Red Rock
1076	1080	4	Anhydrite
1080	1095	15	Anhydrite - Red Rock
1095	1125	30	Shale, Red
1125	1130	5	Shale, Blue
1130	1155	25	Red Rock
1155	1295	140	Salt & Anhydrite
1295	1310	15	Anhydrite
1310	1330	20	Salt & Anhydrite
1330	1380	50	Red Rock & Salt
1380	1730	350	Anhydrite & Salt SLM - 1565', Hole Correct
1730	1743	13	Hard Gray Sand
1743	1980	237	Anhydrite & Salt
1980	2040	60	Anhydrite
2040	2050	10	Salt
2050	2165	115	Anhydrite
2165	2175	10	Anhydrite, Broken
2175	2200	25	Salt
2200	2245	45	Anhydrite - Salt
2245	2310	65	Anhydrite
2310	2440	130	Salt
2440	2460	20	Anhydrite, Broken
2460	2466	6	Anhydrite
2466	2480	14	Lime, Brown
2480	2630	150	Lime, Gray
2630	2660	30	Lime, Gray, Broken
2660	2680	20	Lime, Gray
2680	2725	45	Anhydrite, Red Rock
2725	2735	10	Anhydrite
2735	2880	145	Anhydrite, Red Rock
2880	2891	11	Anhydrite - Red Rock & Lime
2891	2905	14	Gray Lime
2905	2920	15	Lime
2920	2995	75	Gray Lime
2995	3215	220	Lime
3215	3240	25	Lime (Shale breaks)
3240	3400	160	Lime
3400	3442	42	Sandy Lime - 30 BOPD
3442	3501	59	Sandy Lime - Show water at 3442' Increase water at 3500'
3501	3511	10	SLM - 3501 = 3511'