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NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

FOR P.A.D.

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.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Leonard Oil Company

State B-7717

Company or Operator

Lease

Well No. 4 in NE 1/4 of Sec. 1, T. 19 South

R. 29 East, N. M. P. M., East Turkey Track Field, Bddy County.

Well is 3630 feet south of the North line and 1650 feet west of the East line of Section 1

If State land the oil and gas lease is No. B-7717 Assignment No. 3

If patented land the owner is , Address

If Government land the permittee is , Address

The Lessee is Leonard Oil Company, Address Box 708 - Roswell, New Mexico

Drilling commenced January 23, 1952 Drilling was completed April 26, 1952

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

Elevation above sea level at top of casing 3403 L & S feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 2533 to 2538 No. 4, from to

No. 2, from 2720 to 2725 No. 5, from to

No. 3, from 3770 to 3782 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 265 to 285 feet. 30

No. 2, from 1945 to 1955 feet. Sulphur Water 10'

No. 3, from 3270 to 3273 feet. 2

No. 4, from 3527 to 3532 feet. 8

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
8-5/8"	23 1/2	8 Rd	How	330	Inside			Surface
7"	20 1/2			3668	Flange Collar			Prod. String
2-3/8"	4 7/8			3690	Flange Shoe			Tubing
					Tubing			

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"	8-5/8"	330'	80	Denton		30 Sacks Aquajel
3"	7"	3532'	50	Denton		2 Sacks Fibrotex

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
Dowell Sand Pac				4-22-52	3732'	

Results of shooting or chemical treatment Tested 33 Gals. Oil and 7 Gals. Water per Hour.

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 4371 feet, and from feet to feet.

PRODUCTION

Put to producing 19

The production of the first 24 hours was 23 barrels of fluid of which 83 % was oil; %

emulsion; 11 % 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.

EMPLOYEES

Howell, Driller Pratt, Driller

Burrows, Driller Richardson, Driller

Inman, Driller Monroe

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 13th

Roswell, New Mexico

May 13, 1952

Place

Date

Name

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	50	50	Caliche & Sand
50	100	50	Gypsum
100	150	50	Gyp & Anhydrite
150	165	15	Anhydrite
165	170	5	Blue Shale
170	180	10	Crevices
180	215	35	Anhydrite
215	265	15	Red Shale
265	285	20	Red Rock
285	320	35	Anhydrite & Gyp
320	325	5	Anhydrite
325	950	625	Salt
950	1010	60	Salt & Gyp
1010	1070	60	Potash
1070	1195	125	Salt
1195	1250	55	Anhydrite
1250	1260	10	Red Rock
1260	1372	112	Anhydrite
1372	1382	10	Lime
1382	1390	8	Blue Shale
1390	1413	23	Anhydrite
1413	1430	17	Red Shale
1430	1460	30	Anhydrite
1460	1465	5	Red Shale
1465	1545	80	Anhydrite & Red Shale
1545	1575	30	Red Rock
1575	1585	10	Anhydrite
1585	1625	40	Anhydrite & Red Shale
1625	1665	40	Broken Anhydrite
1665	1705	40	Anhydrite & Red Rock
1705	1740	35	Anhydrite
1740	1750	10	Lime
1750	1770	20	Anhydrite & Red shale
1770	1785	15	Gray Sand & Anhydrite
1785	1815	30	Anhydrite
1815	1825	10	Gray Shale
1825	1860	35	Broken Anhydrite & Blue Shale
1860	1872	12	Gray Lime
1872	1880	8	Pink Lime
1880	1935	55	Lime
1935	1955	20	Broken Lime
1955	2035	80	Lime
2035	2090	55	Gray Lime
2090	2112	22	Lime
2112	2127	15	Brown Lime
2127	2141	14	Pink Lime
2141	2156	15	Brown Lime
2156	2161	5	Lime
2161	2173	12	Sandy Lime
2173	2177	4	Pink Lime
2177	2196	19	Gray Lime
2196	2215	19	Sand
2215	2223	108	Pink Lime
2223	2233	10	Sand
2233	2245	12	Pink Lime
2245	2305	60	Lime
2305	2309	4	Sand
2309	2364	55	Lime
2364	2371	7	Sandy Lime - O.S.
2371	2422	51	Sand
2422	2545	123	Lime
2545	2557	12	Sand
2557	2637	80	Lime
2637	2649	12	Sandy Lime
2649	2702	53	Lime
2702	2730	28	Sandy Lime
2730	2863	132	Lime
2863	2880	17	Brown Lime
2880	2885	5	Sandy Lime
2885	2940	55	Lime
2940	2953	13	Brown Lime
2953	3135	182	Lime
3135	3140	5	Brown Lime
3140	3155	15	Gray Sand
3155	3170	15	Sandy Lime
3170	3210	40	Lime
3210	3225	15	Gray Lime
3225	3245	20	Lime
3245	3270	25	Brown Lime
3270	3275	5	Sand
3275	3280	5	Gray Lime
3280	3302	22	Brown Lime
3302	3320	18	Gray Lime
3320	3330	10	Brown Lime
3330	3573	243	Lime
3573	3580	7	Sand
3580	3632	52	Lime
3632	3650	18	Sand
3650	3655	5	Lime, 3655 - 3668 S.L.M.
3668	3679	11	Lime
3679	3685	6	Brown Lime
3685	3693	8	Gray Lime
3693	3700	10	Lime
3700	3725	22	Sand
3725	3750	25	Lime & Sand
3750	3786	36	Sand
3786	3792	6	Lime
3792	3798	6	Brown Lime
3798	3806	8	Black Lime
3806	3811	5	Lime
3811	3835	24	Sand
3835	3913	78	Sandy Lime
3913	3945	32	Sand
3945	3950	5	Lime
3950	3991	41	Black Lime, S.L.M. 3957 - 3960
3991	3995	4	Brown Lime
3995	4000	5	Lime
4000	4371	371	Sand - T.D.