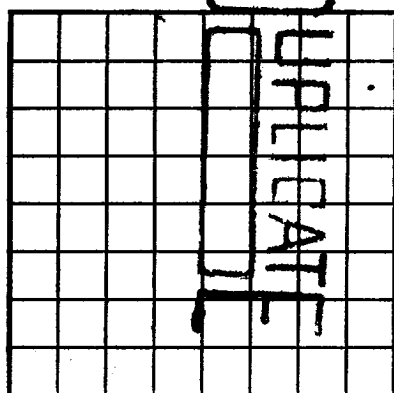


COPY

Form 9-380



LOCATE WELL CORRECTLY



Budget B No. 42-R355.
Approval es 11-30-46.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 068824(d)
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company LEONARD OIL COMPANY Address Box 872 - Roswell, New Mexico
Lessor or Tract Field South Leonard State New Mexico
Well No. 1 Sec. 23 T. 26S R. 37E Meridian N.M.P.M. County Lea
Location 4290 ft. {N.} of S. Line and 4950 ft. {E.} of W. Line of Section 23 Elevation 2988 L&S
(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/ Emmett D. White

Date April 15, 1951 Title Vice President

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

Commenced drilling February 5, 1951 Finished drilling April 6, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3398 to 3400 G. No. 4, from to
No. 2, from 3403 to 3408 O. No. 5, from to
No. 3, from 3425 to 3431 O. No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 265 to 285 No. 3, from to
No. 2, from 1106 to 1112 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"	16.2	8	Halliburton	11.1	Tex-Rat	11.1			Surface
8-5/8"	16.2	8	Halliburton	11.1	Tex-Rat	11.1			Prod. String
7"	16.2	8	Halliburton	11.1	Tex-Rat	11.1			Prod. String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	200'	75 sks	Halliburton		
8-5/8"	1146'	325 sks	Halliburton		15 sks Aquagel & 25 sks fiber (tex)
7"	3254'	75 sks	Halliburton		10 sks 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 0 feet to 3428 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing April 6, 1951

The production for the first 24 hours was 75 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

C. F. Yost, Driller L. A. Ash, Driller
H. Rickman, Driller Jack K. Smith, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Caliche
20	130	110	Sand
130	185	55	Red Sand
185	240	55	Red Rock
240	265	25	Red Sand
265	285	20	Water Sand - 5 Bailers Water Per Hour
285	355	70	Sand
355	365	10	Blue Shale
365	430	65	Sand
430	455	25	Red Rock
455	515	60	Red Sand
515	767	252	Red Rock
767	780	13	Anhydrite
780	805	25	Red Rock & Anhydrite
805	828	23	Anhydrite
828	845	17	Red Rock & Anhydrite
845	975	130	Red Rock
975	1088	113	Anhydrite
1088	1090	2	Blue Shale
1090	1121	31	Anhydrite - Water 1106 to 1112
1121	1126	5	Red Rock
1126	1130	4	Black Sand
1130	1137	7	Anhydrite

FORMATION RECORD—Continued

16-43094-1

LOCATE WELL CORRECTLY

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

LOG OF OIL OR GAS WELL

(b) (5) ACP, and

IMPORTANT WATER SANDS

CASING RECORD

HISTORY OF OIL OR GAS WELL

MIDDLETOWN AND CEMENTING RECORD

FORMATION RECORD—Continued (OVER)