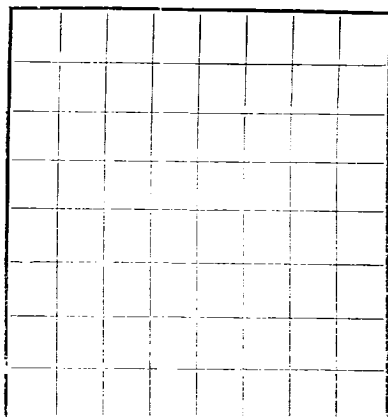


Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 0569
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 703 - ROSWELL, NEW MEXICO
Lessor or Tract FEDERAL-GINSBERG Field Undesignated State New Mexico
Well No. 9 Sec. 31 T. 25S R. 38E Meridian N.M.P.M. County Lea
Location 330 ft. N of N Line and 330 ft. E of W Line of Sec. 31 Elevation 3059

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 _____

Date May 31, 1960Title General Manager

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

Commenced drilling April 13, 1960 Finished drilling May 16 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6932 to TD 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	
13 3/8 48		8	Republic	367	Tex. Pattern				Surface
9 5/8 36		8	"	2265	Guide				Intermediate
7 23		8	CP&I	6957	Guide		6934	38)	
							6941	46)	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	367	350 SX	Plug		
9 5/8	2265	800 SX	"		
7	6957	415 SX	"		

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 6958 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ 19____ Put to producing May 27 1960The production for the first 24 hours was 9 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

Rowell _____, Driller Rushin _____, Driller
Bates _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	105	105	Sand & gravel
105	875	770	Red Beds
875	1120	245	Anhy
1120	2210	1090	Salt & anhy
2210	2400	190	Lime & Anhy
2400	2610	210	Sand & lime
2610	3160	550	Anhy & Lime
3160	3370	210	Sand & Lime
3370	4050	680	Lime & Dolo w/sand stringers
4050	4660	610	Dolomite
4660	4880	220	Dolomite w/sand streaks
4880	5000	120	Dolomite
5000	5560	560	Sandy dolomite
5560	5790	230	Dolomite
5790	5900	110	Silty dolomite w/sand streaks
5900	6235	335	Dolomite
6235	6670	435	Lime & dolomite
6670	6800	130	Dolomite, lime & shale
6800	6910	110	Dolomite
6910	6930	20	Chert & dolomite
6930	6950	20	Dolomite w/chert streaks
6950	6958	8	Depth correction
6958	TD		

TOPS: YATES - 2402
QUEEN - 3015
PENROSE - 3180

SAN ANDRES - 3605

GLORIETA - 4710
BLINBRY - 5055
TUBBS - 5780
DRINKARD - 5990

(OVER)

FORMATION RECORD—Continued

[illegible]

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.