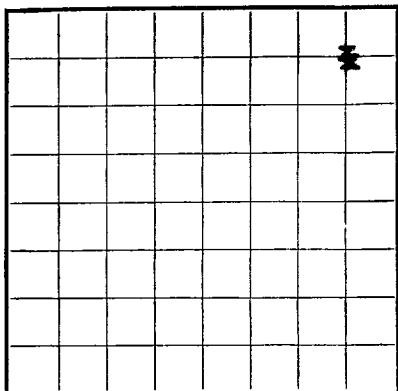


Form 9-330

U. S. LAND OFFICE
 SERIAL NUMBER **NM-025604**
 LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 68 - Hobbs, New Mexico**
 Lessor or Tract **Maleo Refineries "C"** Field **Empire Abo** State **New Mexico**
 Well No. **3** Sec. **9** T. **18S** R. **27E** Meridian **NMPM** County **Eddy**
 Location **660** ft. **N** of **N** Line and **660** ft. **E** of **E** Line of **Section 9** Elevation **3538** **RDB**
(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 **J. W. BROWN**

Date **5-1-59** Title **Area Superintendent**

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

Commenced drilling **3-29**, 19 **59** Finished drilling **4-28**, 19 **59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5652** to **5688** 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—	
8-5/8"	24	8	J-55	1485	Float				Surface
5-1/2"	14	8	J-55	5797	Float		5652	5688	Oil String
							w/2 shots per foot		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1491	750	Howeo		
5-1/2"	5797	700	Howeo		

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 **Surface** feet to **5797** feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed **4-28-59**, 19 _____ Put to producing **4-27-59**, 19 _____

The production for the first 24 hours was **95** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **42°**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. H. Hoffman, Driller **R. E. Palmour**, Driller
E. A. Hall, Driller **R. C. Sneed**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	558	558	Red Bed
558	768	210	Red Bed & Gyp. TOPS
768	888	120	Anhy.
888	1113	225	Anhy & Gyp. San Andres 1555
1113	1268	155	Anhy. - Lm. & Gyp. Glorieta 3020
1268	1375	107	Anhy.-Lm. Abo Reef 5188
1375	1437	62	Lime
1437	1561	124	Anhy-Lm.
1561	1630	69	Lime
1630	1748	118	Lime-Anhy.
1748	3979	2231	Lime
* 3979	4023	44	Lime-Chert
4416	4483	67	Dolomite-Chert
4483	4534	51	Dolomite-Lime
4534	5119	585	Dolomite-Chert
5119	5150	31	Dolomite
5150	5227	77	Shale-Lime
5227	5718	491	Lime
5718	5738	20	Lime-Dolomite
5738	5774	36	Dolomite
5774	5797	23	Lime-Dolomite
*4023	4416	393	Lime-Dolomite

[OVER]

16-43094-4

FORMATION RECORD--Continued

[illegible]

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.

HISTORY OF OIL OR GAS WELL

Well was drilled to a TD of 5797' and perforated 5652-5688 with 2 shots per foot and acidized with 2500 gallons 15% regular. On test well flowed 95 BO, no water, 86 MCFG, in 24 hours on 12/64" choke. TFL 810, GOR 907.