N. M. O. C. C. COPY

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

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

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OCT 21 1960
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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OCT 24
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ARTESIA, OFF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 68, Hobbs, New Mexico
Lessor or Tract USA Malco Refineries G Field Empire Abo State New Mexico
Well No. 12 Sec. 10 T. 18S R. 27E Meridian NMPM County Eddy
Location 986.04 ft. [N.] of S Line and 330 ft. [E.] of W Line of 10 Elevation 3473 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 [illegible]
Date October 14, 1960 Title Area Superintendent

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

Commenced drilling September 1, 1960 Finished drilling September 22, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5749 to 5769 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 From—	Perforated To—	Purpose
8-5/8"	24#	[illegible]	[illegible]	1503	Guide				Surface
5-1/2"	14#	8R	[illegible]	5952	Guide		5749	5769	Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	507	800 sx.	Pump Plug		
5-1/2"	5958	850 sx.	Pump Plug		

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 5958 TD feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Completed 10-13, 1960 Put to producing 10-10, 1960

The production for the first 24 hours was 416 barrels of fluid of which 17 % was oil; % emulsion; 83 % water; and % sediment. Gravity, °Bé. 43°

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. J. Sterling, Driller R. E. Mills, Jr., Driller
E. B. Allen, Driller W. W. Allen, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	95		Caliche
95	357		Red Bed
357	767		Anhy & Gyp
767	1303		Anhy & Sand
1303	1439		Anhy & Gyp
1439	1455		Anhy
1455	1606		Anhy & Lime
1606	4808		Lime & Sand
4808	4912		Lime & Dolo
4912	5017		Lime & Sand
5017	5108		Lime & Dolo
5108	5193		Lime & Sand
5193	5790		Lime & Dolo
5790	5958 TD		Lime

TOPS	
Abo	5749
San Andres	1625
Queen	775

[OVER]

15—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

Drilled to TD 5958. Perf 5860-5896 and 2 SPF and acd w/4000 gal. Recovered no oil. BP set at 5833 and squeeze perf w/150 sx slo set. Perf 5790-5820 x 2 SPF and acd w/4000 gal. Recovered no oil. Set retainer at 5780 and squeeze perf w/200 sx slo set. Perf 5740-5760 w/2 SPF and acd w/2000 gal. On PT well flowed and pumped 70 BO and 346 BW in 24 hours. CPF-0, TPF-175, 16/64" ch. GOR 1855. Grav. 43°.