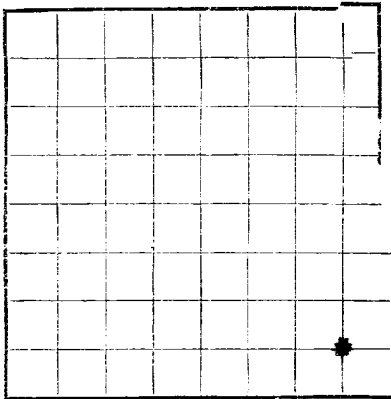


N. M. O. C. C. CO²

U. S. LAND OFFICE Las Cruces-----

SERIAL NUMBER LC-064150-A-----

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 USA John H. Trigg Field Empire Abo State New Mexico
Well No. 1 Sec. 34 T. 17-S R. 27-E Meridian NMPH County Eddy
Location 330 ft. N. of S Line and 330 ft. E of E Line of Section 34 Elevation 3625 RDB
(Derrick floor relative to base of well)

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.

Date March 28, 1960 Title Area Superintendent

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

Commenced drilling 2-11------, 1960 Finished drilling 3-7-60-----, 19-----

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5498 to 5600 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 —	
3 5/8" 24	82	J-55	1495	Galda					Surface
4 1/2" 9.5	82	J-55	3656	Galda			5550	5590	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"	1496	Circulated	Pump - Plug		
4 1/2"	5638	Circulated	Pump - Plug		

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 0 feet to 5638 (TD) feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Completed	Put to producing
March 16, 1960	March 9, 1960
The production for the first 22 hours was 109 barrels of fluid of which 100% was oil;	
emulsion; % water; and % sediment.	
If gas well, cu. ft. per 24 hours	Gravity, °Bé. 44 degrees
Rock pressure, lbs. per sq. in.	Gallons gasoline per 1,000 cu. ft. of gas

EMPLOYEES

-----	Driller	-----	Driller
L. W. Lamb		C. L. Davis	
-----	Driller	-----	Driller
L. N. Arnold		C. H. Davis	

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>TOPS</u>
0	425	425	Surface
425	1495	1070	No Returns
1495	1960	465	Lime
1960	2057	97	Lime & Anhy.
2057	5638	3581	Lime
			Queen - 900'
			San Andres - 1608'
			Glorieta - 2975'
			Abo Pay - 5498'

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

TD 5638', BBD 5611', 3625' RDB, Acidized with 4000 gal 15% regular acid thru perforations 5550 - 5590. Well flowed 101 BO, 5 BLM, in 24 hours thru 12/64" choke. GPF - 0 (PKR.), TPF 1300, GOR 4790, CRG - 47 degrees. Due to high GOR the above perforations were squeezed with 100 sk. cement.

Re-perforated interval 5592-5600 with 4 shots per foot. Cleaned hole with 1500 Gallons mud out acid and followed with 1000 gallons 15% regular acid. On poten test well flowed 109 BO, No water in 22 hours thru 10/64" choke. TPF 360. GPF (PKR.), BOR 858, 47 degrees GOR.

Re-perforated interval 5592-5600 with 4 shots per foot. Cleaned hole with 1500 Gallons mud out and followed with 1000 gallons 15% regular acid. On potential test well flowed 109 BO, No water in 22 hours thru 10/64" choke. TDF 360. CPF - 0 (Pkr.), BOH 858, 47 degrees CGR.