

SEP 21 1959

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pan American Petroleum Corporation Address P. O. Box 68, Hobbs, New Mexico
Lessor or Tract Malco Refineries "F" Field Empire Abo State New Mexico
Well No. 8 Sec. 1 -18-S R-27-E Meridian NMPM County Eddy
Location 660 ft. N of N Line and 1980 ft. E of W Line of Section 1 Elevation 3623 RDS
(Derrick floor relative to base of hole)

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 September 16, 1959 Title Area Superintendent

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

Commenced drilling July 14, 1959 Finished drilling September 5, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G.)

No. 1, from <u>5600</u> to <u>6173</u>	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. 2, from _____ to _____

No. 3, 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	1519	Guide				
4-1/2"	9.5	8	J-45	6190	Guide		5900	5970	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1517	Circulated	Pump		
4-1/2"	6173	850	Pump		

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
8-5/8"	1517					

TOOLS USED

Rotary tools were used from ----- feet to 6173 TD feet, and from ----- feet to ----- feet

Cable tools were used from ----- feet to ----- feet, and from ----- feet to ----- feet

DATES

September 16, 1959 Put to producing September 8, 1959

The production for the first 24 hours was 69 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

L. N. Arnold -----, Driller **Joe Henry** -----, Driller
B. D. Bran -----, Driller **P. F. Huffman** -----, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	356	356	Surface Sand & Red bed
356	556	200	Red bed, Anhy. & Gyp
556	1522	966	(No Returns)
1522	4842	3320	Lime
4842	4906	64	Lime & Chert
4906	4958	52	Lime, Chert & Dolomite
4958	5314	356	Lime & Chert
5314	6173 TD	859	Lime

Tops:
 San Andres-1590
 Glorieta -3250
 Abo Reef -5607

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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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.

TD-6173. Completed 9-9-59 as a flowing oil well. On PT well flowed 69 BO. 12 MCF Gas in 24 hours on 9/64" choke. TPF-525, CPF-Pkr. GOR 179, acidized, 2000 gal 15%.

On August 10, 1959 4-1/2" casing was run and set at 6173' 700 sx casing parted while bumping plug. Casing was cut and pulled from 3010' leaving 3010-6173' in hole. Set 50 sx cement plug from 3010' to 2868'. Set whipstock 2868' and drilled to new TD-6173'.

127 BROAD ST.
NEW YORK 2, N.Y.

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GEOLOGICAL SURVEY

THESE RESEARCHES ARE THE PROPERTY OF
FACULTY OF ENGINEERING AND ARCHITECTURE
UNIVERSITY OF SAO PAULO

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