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H. H. HOBBS, JR.
HABBS, NEW MEX.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Pan American Petroleum Corporation** Address **Post Office Box 68 - Hobbs, New Mex.**
Lessor or Tract **Malco Refineries** Field **Empire Abo** State **New Mexico**
Well No. **1** Sec. **10** T. **18S** R. **27E** Meridian **NMPM** County **Eddy**
Location **660** ft. **N** of **N** Line and **1980** ft. **E** of **W** Line of **Section 10** Elevation **3529** **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 **Ralph H. Pennington**

Date **1-15-59** Title **Field Superintendent**

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

Commenced drilling **11-27**, 19**58** Finished drilling **12-29**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5524** to **5550** 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	1-55	997	Float				Surface
5-1/2	14	8	1-55	6079	1-1/2				0-12-34-38

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1002	675	HOWCO		
5-1/2	6079	150	HOWCO		

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 **6079** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed **12-29**, 19**58** Put to producing **12-29**, 19**58**

The production for the first 24 hours was **96** 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

B. J. Wright, Driller **R. E. Mills, Jr.**, Driller
J. W. Martin, Driller **W. P. Tadlock**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	455	455	Red Bed TOPS
455	917	462	Anhy. T. San Andres - 1650'
917	1460	543	Anhy. Line T. Abo - 4360'
1460	1598	138	Anhy., Red Bed, Lime
1598	2148	550	Lime
2148	2655	507	Lime and Shale
2655	2764	109	Anhy.
2764	3032	268	Lime and Sand
3032	3769	737	Lime and Shale
3769	4796	1027	Lime
4796	4812	16	Lime and Dolomite
4812	4955	143	Lime
4955	4985	30	Lime and Dolomite
4985	5055	70	Lime, Dolomite, Chert
5055	5413	358	Lime and Dolomite
5413	5448	35	Lime and Chert
5448	5480	32	Lime and Dolomite
5480	5598	118	Lime and Chert
5598	5680	82	Lime and Dolomite
5680	6079	399	Lime

(OVER)

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-53084-2

FORMATION RECORD—Continued