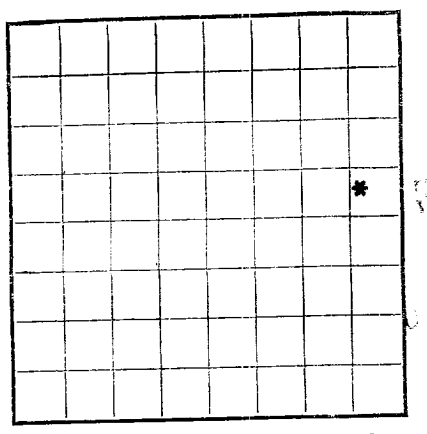
N. M. O. C. COPY

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

Form 9-330

U. S. LAND OFFICE _____
SERIAL NUMBER NM 025530
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

RECEIVED
MAY 12 1960
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAY 1960
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 68, Hobbs, New Mexico

Lessor or Tract USA Malco Refineries "L" Field Empire Abo State New Mexico

Well No. 1 Sec. 4 T. 18S R. 27E Meridian NMPM County Eddy

Location 2193.84 ft. {N. / S.} of N Line and 330 ft. {E. / W.} of E Line of Section 4 Elevation 3675' 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 Original Signed by J. W. BROWN

Date _____ Title Area Superintendent

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

Commenced drilling 3-28-, 1960 Finished drilling 4-17-, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5420 to 5505 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#	8R	J-55	1487	Guide				Surface
4 1/2"	9.5#	8R	J-55	5654	Guide		5470	5505	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"	1485	Circulated	Pump - Plug		
4 1/2"	5637	850 Sx.	Pump - Plug		

FOLD | MARK

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 5637' (TD) feet, and from _____ feet to _____ feet

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

DATES

COMPLETED April 26, 1960 Put to producing April 23, 1960

The production for the first 24 hours was 78 barrels of fluid of which 96 % was oil; _____ % emulsion; 4 % water; and _____ % sediment. Gravity, °Bé. 43 degrees

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. E. Mills, Jr., Driller J. H. Hobsan, Driller

E. E. Foster, Driller F. B. Sims, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	480	480	Redbed
480	685	205	Redbed, Anhy.
685	900	215	Anhy., Gyp.
900	1070	170	Anhy.
1070	1285	215	Anhy., Gyp.
1285	1462	177	Anhy.
1462	5637	4175	Lime

TOTAL DEPTH 5637'

TOPS

Queen	855'
San Andres	1530'
Yeso	2900'
Abo Pay	5465'

16—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.

Completed 4-26-60 as a flowing Empire Abo Pool Oil Well. On potential test well flowed 75 BO, 3 BW in 24 hours thru 10/64" choke. CPF - 0 (Pkr) TPF 200#. GOR 882. Corr. Grav. 43 degrees. TD 5637; PBD 5520'; GL - RDB 11.20', 3675' RDB. PBM 12.80'. Perforated section 5540-558 x 160 shots, acidized with 14000 gallons acid. Swabbed dry. Cast Iron Bridge Plug set at 5520'. Perforated 5470-5505 with 70 shots acidized with 15,000 gallons acid. Completed as above.