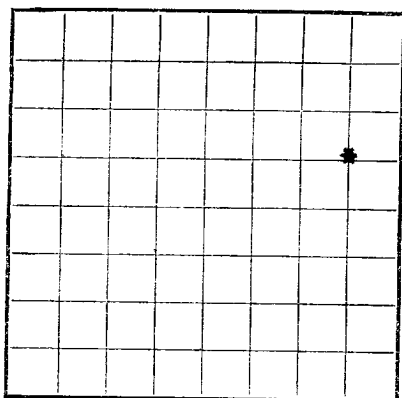


U. S. LAND OFFICE Las CrucesSERIAL NUMBER 065478-B

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

JAN 18 1960

OFFICE

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 68 - Hobbs, N.M.Lessor or Tract Malco Refineries "D" Field Empire Abo State New MexicoWell No. 4 Sec. 10 T18 R.27 Meridian NMPM County EddyLocation 1615.48 ft. N of N Line and 330 ft. E of E Line of Sec. 10 Elevation 3543 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

Date 1-7-60Title Area Superintendent

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

Commenced drilling 11-26-59, 19____ Finished drilling 12-25, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6040 to 6180 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	8	J-55	1467	Outside				Surface
4-1/2	9.58	8	J-55	1467	Inside		6043	6180	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	1471	Circulated	Pump Plug		
4-1/2	6143	135	" "		

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 _____ feet to _____ feet, and from _____ feet to _____ feet

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

DATES

Completed 1-2, 1960 Put to producing 1-1, 1960The production for the first 24 hours was 188 barrels of fluid of which 59 % 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

_____, Driller J. W. Hobaxon _____, Driller R. E. Palmour_____, Driller E. A. Hall _____, Driller O. L. Jamison

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	135	135	Caliche
135	1467	1332	No Returns
1467	2436	969	Lime
2436	2618	182	Lime and Sand
2618	2910	292	Lime
2910	3068	158	Lime and Sand
3068	3633	565	Lime
3633	3780	147	Lime and Sand
3780	3888	108	Lime
3888	4015	127	Lime and Sand
4015	4072	57	Dolomite and Lime
4072	4327	255	Lime and Chert
4327	4416	89	Dolomite and Chert
4416	5608	1192	Lime, Dolomite and Chert
5608	5646	38	Dolomite and Lime
5646	5867	221	Lime
5867	5961	94	Dolomite and Chert
5961	6036	75	Dolomite
6036	6140	104	Lime
	TD		
			TOPs
			Queen 958
			San Andres 1795
			Glorieta 3350
			Abo 6040

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.

TD 6143, PRO 6115, RDB 1545, ELDER 3543 RDB
Completed JANUARY 2, 1960 as an Ardore APO Field Development well.
On 11-1-60 F14 T10 B0, 78 BAR, 36.8 MCMG, 10-1/2 hours, 20/64"
choke, TLF 525 GOR 334. Estimated allowable 66 BOPD. Effective 1-1-60