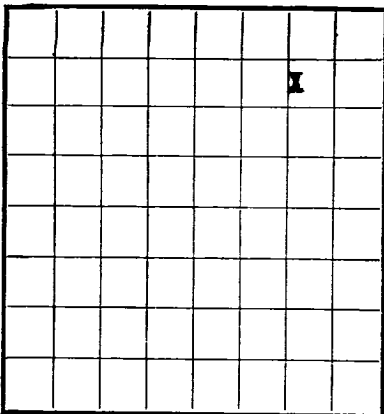


U. S. LAND OFFICE New MexicoSERIAL NUMBER NM-021127

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES **RECEIVED**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO
OCT 9 1957

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract U.S.A. Stanolind "A" Field Blanco-Mesaverde State New Mexico
Well No. 1 Sec. 29 T31N R12W Meridian N.M.P.M. County San Juan
Location 990 ft. S of N Line and 990 ft. W of E Line of Section 29 Elevation 6014 (GL)
(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.

ORIGINAL SIGNED BY

Signed L. O. Speer, Jr.Date October 8, 1957 Title Field Superintendent

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

Commenced drilling August 28, 1957 Finished drilling September 16, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4714 to 4915 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—	
9-5/8"	32.3	8PT	National	270'	Guide				Surface
7"	26	8PT	National	445'	Guide				Intermediate
5-1/2"	15.8	8PT	National	1425'	1425'				Casing String
HOLE IN CASE OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	279'	170 sacks	Halliburton 2 Plug		
7"	4625'	175 sacks	Halliburton 2 Plug		
5-1/2"	5000'	50 sacks	Halliburton 2 plug		

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 5000 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed as Blanco-Mesaverde Field Put to producing Shut in, 19____
Dev. Gas Well 9/27/57, 19____

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

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

Preliminary Test 9/26/57 3,500 MCFPD

EMPLOYEES

E. L. Martin, Driller Ray Jeter, Driller
W. D. Hall, Driller Bobby Warren, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	891	891	Surface sand & rocks.
891	950	59	Sand (Ojo Alamo)
950	2000	1050	Sand & shale.
2000	2237	237	Sand & shale (Kirtland-Fruitland)
2237	2300	63	Sand (Pictured Cliffs)
2300	3998	1698	Sand (Lewis)
3998	4135	137	Sand (Cliffhouse)
4135	4712	577	Shale & sand (Menefee)
4712	4930	218	Sand (Point Lookout)
4930	4957	27	Shale (Mancos)

[OVER]

16-43094-4

FORMATION RECORD—CONTINUED

There is present to Project

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are small dark marks or smudges near the top left corner of the grid.[illegible]

A 5" liner was set at 4523-5000' with 50 sacks of cement. After setting on cement casing was tested with 1500 pounds pressure, which held with no drop in pressure.

4. casting was tested at 2500 pounds pressure, followed by 30 shocks of cement. Casting was tested with 2500 pounds pressure for 30 minutes (weight loss) to

36 hours, casting and water shut-off were tested in 800 pounds pressure for thirty minutes with no drop in pressure.

Size casing per foot	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From - To -	Purpose

The above well was cased on August 28, 1957, and on August 29, 1957, 9-5/8" casing was set at 170 feet. After casing on cement for

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 the size and location. If the well has been dynamited, give date, size, position, and number of shots. If dings or bridges were put in to test for water, state kind of material used, position, and results of pumping or dinging.

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
4000	4000	0	Shale (brown)
4100	4000	100	Shale (brown)
4200	4100	100	Shale (brown)
4300	4200	100	Shale (brown)
4400	4300	100	Shale (brown)
4500	4400	100	Shale (brown)
4600	4500	100	Shale (brown)
4700	4600	100	Shale (brown)
4800	4700	100	Shale (brown)
4900	4800	100	Shale (brown)
5000	4900	100	Shale (brown)
5100	5000	100	Shale (brown)
5200	5100	100	Shale (brown)
5300	5200	100	Shale (brown)
5400	5300	100	Shale (brown)
5500	5400	100	Shale (brown)
5600	5500	100	Shale (brown)
5700	5600	100	Shale (brown)
5800	5700	100	Shale (brown)
5900	5800	100	Shale (brown)
6000	5900	100	Shale (brown)
6100	6000	100	Shale (brown)
6200	6100	100	Shale (brown)
6300	6200	100	Shale (brown)
6400	6300	100	Shale (brown)
6500	6400	100	Shale (brown)
6600	6500	100	Shale (brown)
6700	6600	100	Shale (brown)
6800	6700	100	Shale (brown)
6900	6800	100	Shale (brown)
7000	6900	100	Shale (brown)
7100	7000	100	Shale (brown)
7200	7100	100	Shale (brown)
7300	7200	100	Shale (brown)
7400	7300	100	Shale (brown)
7500	7400	100	Shale (brown)
7600	7500	100	Shale (brown)
7700	7600	100	Shale (brown)
7800	7700	100	Shale (brown)
7900	7800	100	Shale (brown)
8000	7900	100	Shale (brown)
8100	8000	100	Shale (brown)
8200	8100	100	Shale (brown)
8300	8200	100	Shale (brown)
8400	8300	100	Shale (brown)
8500	8400	100	Shale (brown)
8600	8500	100	Shale (brown)
8700	8600	100	Shale (brown)
8800	8700	100	Shale (brown)
8900	8800	100	Shale (brown)
9000	8900	100	Shale (brown)
9100	9000	100	Shale (brown)
9200	9100	100	Shale (brown)
9300	9200	100	Shale (brown)
9400	9300	100	Shale (brown)
9500	9400	100	Shale (brown)
9600	9500	100	Shale (brown)
9700	9600	100	Shale (brown)
9800	9700	100	Shale (brown)
9900	9800	100	Shale (brown)
10000	9900	100	Shale (brown)