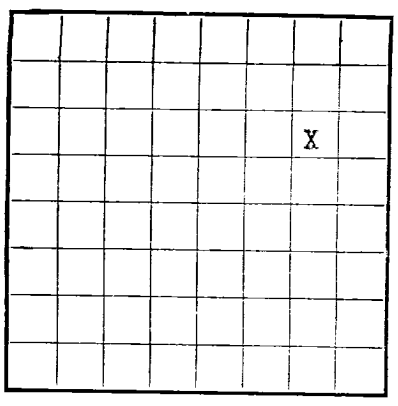
NMOCC

Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 01138
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 487, Farmington, New Mexico
Lessor or Tract Fred Phillips "C" Field Tapacito-Pictured Cliffs State New Mexico
Well No. 1 Sec. 15 T. 25N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 1650 ft. {N./S.} of N Line and 990 ft. {E./W.} of E Line of Section 15 Elevation 7367 (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 L. O. Speer, Jr.

Date October 1, 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 10, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3818 to 3840 (G) 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 none 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"	22.7	Slip Joint	Armco	205	Guide				Surface
5-1/2"	14	8RT-STRC	National	3913	Guide				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"	212	150 sacks	Halliburton 2 plug		
5-1/2"	3899	165 sacks	Halliburton 2 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 3900' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

September 10, 1957 Put to producing Shut in, 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 8,400,000 Gallons gasoline per 1,000 cu. ft. of gas
Preliminary test 8400 MCFPD

EMPLOYEES

Fred Simonton, Driller F. J. Buck, Driller
E. E. Estes, Driller Carlton Gipson, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3602	3602	Undifferentiated sands & shales.
3602	3814	212	Kirtland-Fruitland
3814	3900	86	Pictured Cliffs sands.

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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.

This well was spudded on August 28, 1957, and on August 29, 1957, 8-5/8" casing was set at 212' with 190 sacks of cement, and after waiting on cement for 24 hours, casing and water shut off were tested with 500 pounds pressure for 30 minutes with no drop in pressure.

5-1/2" casing was set at 3899' with 165 sacks of cement, and after waiting on cement, casing and water shut off were tested with 2700 pounds pressure (special test) with no drop in pressure.

This well was perforated with four shots per foot 3818-3848, and then sand-water fracked with 30,000 gallons water and 40,000 pounds sand, this was preceded by 100 gallons acid. Formation broke at 1000 pounds pressure. Average injection rate 55 barrels per minute. Preliminary test September 10, 1957 8400 MCFPD.

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