

Santa Fe, New Mexico

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE**. If State Land submit 6 Copies

Pan American Petroleum Corporation

State "CAN"

(Company or Operator)

(LAW)

Well No. 1, in NW ¼ of SW ¼, of Sec. 16, T. 28N, R. 13W, NMPM.
Cha Cha Gallup Pool. San Juan County

Well is 1980 feet from South line and 660 feet from West line
of Section 16 If State Land the Oil and Gas Lease No. is OG-215

Drilling Commenced November 11 19 60 Drilling was Completed November 23 19 60

Name of Drilling Contractor Brinkerhoff Drilling Company

Address 870 Denver Club Building, Denver 2, Colorado

Elevation above sea level at Top of Tubing Head..... **6068 (RDB)**..... The information given is to be kept confidential until
Not confidential..... 19.....

No. 1, from 3681 to 3691 No. 4, from _____ to _____
 No. 2, from 3727 to 3749 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	24	New	206	Guide			Surface
4-1/2"	9.5	New	5879	Guide			Oil string

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4"	8-5/8"	214	175	Halliburton 1 plug		
7-7/8"	4-1/2"	5856	225	Halliburton 2 plug		

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Perforated Lower Gallup 5734-5746 with 4 shots per foot, sand oil fracked with 20,000 gallons oil and 20,000 pounds sand. Breakdown pressure 2400 psi, average treating pressure 2750 psi, average injection rate 27 barrels per minute. Perforated Upper Gallup 5683-90 with 6 shots per foot, sand oil fracked with 20,000 gallons oil and 18,000 pounds sand. Breakdown pressure 2100 psi, average treating pressure 2750 psi, average injection rate 28 barrels per minute.

Result of Production Stimulation.....Completed as flowing oil well Cha Cha Gallup Field December 8, 1960.
Potential test December 8, 1960, flowed 169 barrels oil per day.

..Depth Cleaned Out.....5821

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 5060 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing December 7, 1960 (Date first new oil produced.)
OIL WELL: The production during the first 24 hours was 169 barrels of liquid of which 99.7% was oil; % was emulsion; % water; and .3% was sediment. A.P.I. Gravity 43.7° API
Flowing oil well 21/64" choke.
GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure lbs.
Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy.			T. Devonian.		T. Ojo Alamo. 218
T. Salt.			T. Silurian.		T. Kirtland-Fruitland 338
B. Salt.			T. Montoya.		T. Farmington. —
T. Yates.			T. Simpson.		T. Pictured Cliffs. 1645
T. 7 Rivers.			T. McKee.		T. Menefee. 2626
T. Queen.			T. Ellenburger.		T. Point Lookout. 4152
T. Grayburg.			T. Gr. Wash.		T. Mancos. 4452
T. San Andres.			T. Granite.		T. Dakota. —
T. Glorieta.			T.		T. Morrison. —
T. Drinkard.			T.		T. Penn. —
T. Tubbs.			T.		T.
T. Abo.			T.		T.
T. Penn.			T.		T.
T. Miss.			T.		T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	218	218	Surface sand and shale.				
218	338	120	Ojo Alamo sand and shale.				
338	1645	1307	Kirtland-Fruitland sands, shales and coals.				
1645	1840	195	Pictured Cliffs sand and shale.				
1840	2580	740	Lewis sand and shale.				
2580	2626	46	Cliffhouse sand and shale.				
2626	4152	1526	Menefee sand and shale.				
4152	4452	300	Point Lookout sand and shale.				
4452	5322	870	Mancos sand and shale.				
5322	5681	359	Gallup sand and shale.				
5681	5860	179	Gallup sands.				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.
December 8, 1960
Company or Operator Pan American Petroleum Corporation, Box 480, Farmington, New Mexico
ORIGINAL SIGNED BY Address
Name R. M. Bauer, Jr. Position Title Area Engineer