

Santa Fe, New Mexico

WELL RECORD

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
(Company or Operator)

Roberts Gas Unit "B"
.....
(Lease)

Well No. 1, in NE $\frac{1}{4}$ of NE $\frac{1}{4}$, of Sec. 14, T-29-N, R-13-W, NMPM.
Basin Dakota Pool, San Juan County.

Well is 1190 feet from North line and 820 feet from East line
of Section 14. If State Land the Oil and Gas Lease No. is _____

Drilling Commenced January 28, 1962 Drilling was Completed January 16, 1962

Name of Drilling Contractor.....**Brannon and Murray Drilling Company**

Address..... P. O. Box 672, Coleman, Texas

Elevation above sea level at Top of Tubing Head 5365 (RDB)..... The information given is to be kept confidential until Not Confidential..... 19.....

No. 1, from 5890 to 5923 No. 4, from _____ to _____
No. 2, from _____ to _____ 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.

RECEIVED
MAR 16 1962
OIL & GAS

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8"	22.7#	New	302	Guide			Surface
4 1/2"	10.5#	New	6037	Guide			Oil String

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/4"	8 5/8"	353	225	Halliburton 2 Plug.		
7 7/8"	4 1/2"	6005	775	2 Stage		

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

Perforated Dakota zone 5912-5918 with 8 shots per foot. Fracked these perforations with 50,500 gallons water containing 1% calcium chloride, 7 pounds J-2 and 20 pounds F-4 per 1000 gallons and 40,000 pounds sand. Pressures were: Breakdown 2600, Average treating 3100, Maximum treating 3400. Average injection rate 37 BPM.

Result of Production Stimulation... Preliminary potential test flowed 3 hours on 3/4" choke and gauged 1746 MCFD.

..Depth Cleaned Out.....5962

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 6005 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

Completed as shut in Basin Dakota PRODUCTION
Field Well
Put to Producing March 13, 1962

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity

GAS WELL: The production during the first 24 hours was 1746 M.C.F. plus 0 barrels of
liquid Hydrocarbon. Shut in Pressure 2000 lbs.

Length of Time Shut in 44 hours

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.
T. Salt.	T. Silurian	T. Kirtland-Fruitland.
B. Salt.	T. Montoya	T. Farmington.
T. Yates.	T. Simpson	T. Pictured Cliffs. 1225
T. 7 Rivers.	T. McKee	T. Menefee. 2915
T. Queen.	T. Ellenburger	T. Point Lookout. 3660
T. Grayburg	T. Gr. Wash.	T. Mancos. 4010
T. San Andres.	T. Granite	T. Dakota. 5805
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
Surf.	1225	1225	Undifferentiated surface sands, shales and coals.				
1225	1454	229	Pictured Cliff sands, shales and coals.				
1454	2787	1333	Lewis shale				
2787	4010	1223	Mesaverde sands, shales, and coals.				
4010	4940	930	Upper Mancos shale				
4940	5467	527	Gallup sands and shales				
5467	5805	338	Lower Mancos shale				
5805	6007	202	Dakota sands and shales				

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.

Farmington, New Mexico March 13, 1962

Company or Operator Pan American Petroleum Corporation Box 480, Farmington, New Mexico
Name Position Title Senior Petroleum Engineer