

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)

Duff Gas Unit
(Lease)

Well No. 1, in NW $\frac{1}{4}$ of NW $\frac{1}{4}$, of Sec. 34, T. 30-N, R. 12-W, NMPM.
Basin Dakota Pool, San Juan County.

Well is 790 feet from North line and 1015 feet from West line
of Section 34. If State Land the Oil and Gas Lease No. is _____

Drilling Commenced January 30, 1962. Drilling was Completed February 14, 1962

Name of Drilling Contractor Brammon and Murray Drilling Company

Address P. O. Box 672, Coleman, Texas

Elevation above sea level at Top of Tubing Head 5621' The information given is to be kept confidential until
Not Confidential, 19____

No. 1, from.....6274.....to.....6300.....No. 4, from.....to.....
No. 2, from.....6311.....to.....6331.....No. 5, from.....to.....
No. 3, from.....to.....No. 6, from.....to.....

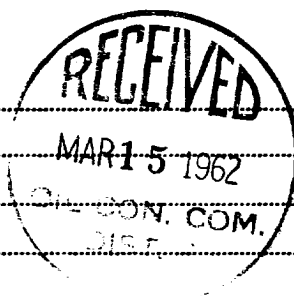
Include data on rate of water inflow and elevation to which water rose in hole.

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"	32.7#	New	341	Guide			Surface
4 1/2"	10.5#	New	6459	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"	354	250	Halliburton 2 Plug		
7 7/8"	4 1/2"	6425	1200	Halliburton 2 Plug		

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

Perforated Dakota zone 6275-81 and 6313-19 with 6 shots per foot. Fracked these perforations with 70,800 gallons water containing 1% calcium chloride, 20 pounds WAC-8 per 1000 gallons and 60,000 pounds sand. Staged with 40 ball sealers. Breakdown pressures 1200 psi. Average injection rate 31 BPM.

Result of Production Stimulation. Preliminary Potential test March 7, 1962. Flow 3 hours on 3/4" choke. Gauged 1865 MCF per day.

..Depth Cleaned Out.....6390!.....

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 6425 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
Field Well.

PRODUCTION

Put to Producing March 7, 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 1865 M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure 1875 lbs.

Length of Time Shut in 43 1/2 hours

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

Southeastern New Mexico

T. Anhy.
T. Salt.
B. Salt.
T. Yates.
T. 7 Rivers.
T. Queen.
T. Grayburg.
T. San Andres.
T. Glorieta.
T. Drinkard.
T. Tubbs.
T. Abo.
T. Penn.
T. Miss.

T. Devonian.
T. Silurian.
T. Montoya.
T. Simpson.
T. McKee.
T. Ellenburger.
T. Gr. Wash.
T. Granite.
T.
T.
T.
T.
T.

Northwestern New Mexico

T. Ojo Alamo 355
T. Kirtland-Fruitland 395
T. Farmington
T. Pictured Cliffs 1,725
T. Menefee 3,460
T. Point Lookout 4,110
T. Mancos 4,435
T. Dakota 6,204
T. Morrison
T. Penn.
T.
T.
T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
Surf	1725	1725	Undifferentiated surface sands, shales, and coals.				
1725	1900	175	Pictured Cliff sands				
1900	3308	1408	Lewis shale				
3308	4435	1127	Mesaverde sands, shales and coals.				
4435	5375	940	Upper Mancos shale				
5375	5884	509	Gallup sands and shales				
5884	6204	320	Lower Mancos shale				
6204	6425	221	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 12, 1962
(Date)

Company or Operator Pan American Petroleum Corporation Address P. O. Box 480, Farmington, New Mexico

Name Position Title Senior Petroleum Engineer