

**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

AREA 640 ACRES  
LOCATE WELL CORRECTLY

**Pan American Petroleum Corporation**  
.....  
(Company or Operator)

**Johnson Gas Unit #2**

(1999)

Well No. 1 in SW  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of Sec. 13, T. 30N, R. 12W, NMPM.

## Results

Pool San Juan

...County.

Well is 1600 feet from North line and 1650 feet from East line

of Section 15 If State Land the Oil and Gas Lease No. is .....

Drilling Commenced..... **August 12** ..... 19 **61** Drilling was Completed..... **August 25** ..... 19 **61**

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

Address P. O. Box 672, Coleman, Texas

Elevation above sea level at Top of Tubing Head..... **5404' (203)**..... The information given is to be kept confidential until  
**Not confidential**..... 19.....

### OIL SANDS OR ZONES

No. 1, from 657 to 657 No. 4, from 657 to 657

No. 2, from.....to..... No. 5, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

## IMPORTANT WATER SANDS

**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.

## CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-1/8"	22.74	New	249	Outside			Surface
4-1/2"	9.54	New	665	Outside			Oil String

## MUDDING AND CEMENTING RECORD

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"	940'	250	Halliburton 1 plug		
9-7/8"	6-1/2"	662'	925	Halliburton 2 plug		

### RECORD OF PRODUCTION AND STIMULATION

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

**Total depth 6661' plug back depth 6630'. Perforated Dakota with 6 shots per foot 6517'-6527'.**

\_\_\_\_\_ sand water fracked with 40,000 gallons water containing 1 percent Calcium Chloride and 7 pounds

**J-2 additive per 1000 gallons and 10,000 pounds sand. Breakdown pressure 1100 psi. Average**

treating pressure 2600 psi, average injection rate 3 1/2 barrels per minute,

Result of Production Stimulation. Completed September 19, 1961, as shut in Basin Dakota Field Development well. Preliminary test September 11, 1961, 23 hour shut in tubing pressure 1735 psi and shut in casing pressure 1775 psi and flowed 3 hours and gaged 2345 MCF per day with tubing pressure flowing 140 psi and casing pressure flowing 175 psi. Top pay. Depth Cleaned Out 6630'. Dakota 6905', elevation ground level 5673', and rotary drive bushing 5624'.

# 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 6661 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

Shut in for pipeline connection.

## PRODUCTION

Put to Producing September 19, 19 41

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

Preliminary test

GAS WELL: The production during the first 24 hours was 2326 M.C.F. plus barrels of  
liquid Hydrocarbon. Shut in Pressure 1735 lbs. (SITP) Potential test will be reported on  
Length of Time Shut in 23 hours Sundry Notice when available,

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. 550
B. Salt.	T. Montoya.	T. Farmington.
T. Yates.	T. Simpson.	T. Pictured Cliffs. 1944
T. 7 Rivers.	T. McKee.	T. Menefee. 3710
T. Queen.	T. Ellenburger.	T. Point Lookout. 4210
T. Grayburg.	T. Gr. Wash.	T. Mancos. 4575
T. San Andres.	T. Granite.	T. Dakota. 6455
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	360	360	Surface sand and shale.	6455	6661	206	Dakota sand and shale.
360	550	190	Anima sand and shale.				
550	1690	1140	Kirtland-Farmington sand and shale.				
1690	1944	254	Fruitland sand, shale, and coal.				
1944	2060	116	Pictured Cliffs sand and shale.				
2060	3521	1461	Lewis shale.				
3521	3710	189	Cliffhouse sand.				
3710	4210	500	Menefee sand, shale and coal.				
4210	4575	365	Point Lookout sand and shale.				
4575	5565	990	Mancos shale.				
5565	6320	755	Gallup sands and shales.				
6320	6385	65	Greenhorn sand and shale.				(Top from "E" log)
6385	6455	70	Graneros shale.				

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.

September 28, 1961

Company or Operator Pan American Petroleum Corporation Address Box 480, Farmington, New Mexico  
Name R. M. Bauer, Jr. Position Senior Petroleum Engineer