

## 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**

## Gallegos Canyon Unit

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(Company or Operator)

(Lease)

Well No. 93 in SW  $\frac{1}{4}$  of NW  $\frac{1}{4}$ , of Sec. 36, T. 29N, R. 12W, NMPM.

## Basin Dakota

## San Juan

**County.**

Well is 1750' feet from North line and 890' feet from West line

of Section 36 If State Land the Oil and Gas Lease No. is E-5462

Drilling Commenced..... August 6, 1961 ..... Drilling was Completed..... September 5, 1961 .....

Name of Drilling Contractor..... **Brinkerhoff Drilling Company**

Address..... 870 Denver Club Building, Denver 2, Colorado

Elevation above sea level at Top of Tubing Head 5375' (GL)..... The information given is to be kept confidential until  
 Not confidential

No. 1, from 5940 to 5946 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 5956 to 5960 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 5975 to 5977 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  
SEP 14 1961  
SON. COM.  
DIST. 3

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8-5/8"	22.7#	New	357'	Guide			Surface
4-1/2"	9.5#	New	6058'	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"	367'	300	Halliburton 1 plug.		
7-7/8"	4-1/2"	6043'	800	Halliburton 2 plug.		

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

Perforated Dakota with 4 shots per foot 5940-5946', 5956-5960' and 5975-5977'. Sand water fracked with 41,200 gallons water containing 1 percent Calcium Chloride and 5 pounds J-98 per 1000 gallons and 40,000 pounds sand. Breakdown pressure 1200-900 psi, average treating pressure 3100 psi. Average injection rate 35 barrels per minute. Perforated Graneros 6 shots per foot 5862-5870'. Sand water fracked with 20,600 gallons water containing 1 percent Calcium Chloride and 5 pounds J-98 per 1000 gallons and 20,000 pounds sand. Breakdown pressure 3200-3000 psi, average treating pressure 2900 psi. Average injection rate 34 barrels per minute.

minute. Preliminary test September 4, 1961- 21 hours-shut in tubing pressure  
Result of Production Stimulation. 1860 psi, shut in casing pressure 1950 psi flowed 3 hours and gauged 5496 MCF per day with  
tubing pressure flowing 375 psi and casing pressure flowing 875. TPay Dakota 5862' Elevation  
GL 5375'. Completed as shut in Basin Dakota Field Gas Well  
September 5, 1961. Rotary drive bushing 5386'. Depth Cleaned Out 6010'

TOOLS USED

Rotary tools were used from 0 feet to 6045 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Shut in waiting on pipeline connection.

Put to Producing, 19.

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 5496 M.C.F. plus barrels of  
liquid Hydrocarbon. Shut in Pressure 1950 lbs.

Length of Time Shut in 21 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. 1320
T. 7 Rivers.	T. McKee.	T. Menefee. 2895
T. Queen.	T. Ellenburger.	T. Point Lookout. 3340
T. Grayburg.	T. Gr. Wash.	T. Mancos. 4108
T. San Andres.	T. Granite.	T. Dakota. 5860
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	1320	1320	Surface sands and shales.				
1320	1532	212	Pictured Cliffs sands and shales.				
1532	2895	1363	Lewis shale.				
2895	4108	1213	Mesaverde sands, shales, and coals.				
4108	5000	892	Mancos shale.				
5000	5400	400	Gallup sands and shales.				
5400	5755	355	Sanastoe sands and shales.				
5755	5820	65	Greenhorn shale.				
5820	5860	40	Graneros shale.				
5860	6045	185	Dakota sands and shales.				

STATE OF NEW MEXICO  
OIL COMMISSION  
APPROVED  
NUMBER OF LOGS 6  
SANTA FE  
FILE  
DATE  
L.D.  
TRANSPORTER  
PREPARED BY  
CHECKED BY

(Tops from "E" Log)

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 11, 1961

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