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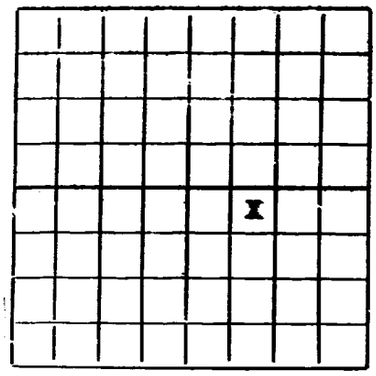
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD



AREA 640 ACRES
LOCATE WELL CORRECTLY

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) Gallegos Canyon Unit-Dakota (Lease)

Well No. 188, in NW ¼ of SE ¼, of Sec. 30, T. -29-N, R. -12-W, NMPM.

Basin Dakota Pool, San Juan County.

Well is 2150 feet from South line and 1580 feet from East line of Section 30. If State Land the Oil and Gas Lease No. is

Drilling Commenced November 27, 1964 Drilling was Completed December 6, 1964

Name of Drilling Contractor Brinkerhoff Drilling Co.

Address 870 Denver Club Bldg., Denver, Colorado

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

OIL SANDS OR ZONES

No. 1, from 5730 to 5802 (Gas) No. 4, from to

No. 2, from 5802 to 5846 (Gas) 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
8-5/8"	24#	New	356	Guide			Surface
4-1/2"	10.5#	New	5901	Guide			Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12-3/4"	8-5/8"	356	250	Halliburton 1 Plug		
7-7/8"	4-1/2"	5901	1500	Halliburton 2 Stage		

RECORD OF PRODUCTION AND STIMULATION

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

Perforated Main Dakota 5810-20, 5834-43 with 2 shots per foot. Fracked these perforations with 42,400 gallons water containing 0.8% potassium chloride and 2 pounds FR-8 per 1000 gallons and 35,000 pounds sand, 6,000 pounds HCF-2 and 1/2 gallon surfactant per 1000 gallons. Breakdown pressure 2200 psi, average treating 3300 psi, average injection rate 50 BPM. Bridge plug set at 5790 and tested 3500 psi. Test OK. Perforated Graneros 5732-44 with 4 shots per foot. Fracked these perforations with 31,900 gallons water treated as above and containing 25,000 pounds sand, 4,000 pounds HCF-2 and 1/2 gallon surfactant per 1000 gallons. Breakdown pressure 1900 psi, average treating pressure 3500 psi, average injection rate 34 BPM.

Result of Production Stimulation 2-3/8" tubing landed at 5749 and well completed 12-20-64 as Basin Dakota Field Development Well. Preliminary test 3000 MCFD.

RECEIVED
JAN 1 1965

Depth Cleaned Out 5866

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 5901 feet, and from ..... feet to ..... feet.

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

PRODUCTION

Put to Producing Shut In December 20, 19 64

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 3000 M.C.F. plus — barrels of liquid Hydrocarbon. Shut in Pressure 1975 lbs.

Length of Time Shut in 20 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	
T. 7 Rivers	T. McKee	T. Menefee	
T. Queen	T. Ellenburger	T. Point Lookout	
T. Grayburg	T. Gr. Wash	T. Mancos	
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	1180	1180	Surface Sand and Shale				
1180	1330	150	Pictured Cliffs				
1330	2950	1620	Lewis Shale				
2950	3955	1005	Mesaverde				
3955	4866	911	Mancos				
4866	5236	370	Gallup				
5236	5634	398	Base Gallup				
5634	5690	56	Greenhorn				
5690	5730	40	Graneros Shale				
5730	5802	72	Graneros Dakota				
5802	5901	99	Main Dakota				

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 12-31-64
(Date)

Company or Operator PAN AMERICAN PETROLEUM CORP Address P. O. Box 480, Farmington, New Mexico

Name Fred L. Nabors, District Engineer Position or Title .....

FILMED BY