

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

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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
STATE WELL CORRECTLY.Pan American Petroleum Corporation
(Company or Operator)Gallegos Canyon Unit-Dakota
(Lease)Well No. 190, in SW $\frac{1}{4}$ of SW $\frac{1}{4}$, of Sec. 22, T. -29-N, R. -12-W, NMPM.

Basin Dakota

Pool, San Juan

County.

Well is 800 feet from South line and 790 feet from West line
of Section 22. If State Land the Oil and Gas Lease No. is ---Drilling Commenced March 26, 19 64 Drilling was Completed April 2, 19 64Name of Drilling Contractor Brinkerhoff Drilling CompanyAddress 670 Denver Club Building Denver, ColoradoElevation above sea level at Top of Tubing Head 5443 (POB) The information given is to be kept confidential until
Not Confidential, 19 ---

OIL SANDS OR ZONES

No. 1, from <u>5902</u> to <u>5980 (G)</u>	No. 4, from <u>---</u> to <u>---</u>
No. 2, from <u>5980</u> to <u>6030 (G)</u>	No. 5, from <u>---</u> to <u>---</u>
No. 3, from <u>---</u> to <u>---</u>	No. 6, from <u>---</u> to <u>---</u>

IMPORTANT WATER SANDS

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

No. 1, from <u>---</u> to <u>---</u> feet.
No. 2, from <u>---</u> to <u>---</u> feet.
No. 3, from <u>---</u> to <u>---</u> feet.
No. 4, from <u>---</u> to <u>---</u> feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SMOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8"	24.5	New	353	Galda			Surface
6 1/2"	10.5	New	614	Galda			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"	362	225	HALLIDAYTON 1 Plug		
7 7/8"	6 1/2"	613	1600	HALLIDAYTON 2 Stags		

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 5984-6008 with 2 shots per foot. Fracked these perforations with 46,200 gallons water containing 1% calcium chloride and 7 pounds J-2 per 1000 gallons and 10,000 pounds sand. Breakdown pressure 1900, treating 3290, average injection rate 42 BPM. Bridge plug set at 5980 and tested with 3200 psi. Test ok. Perforated 5984-6008 with 4 shots per foot. Fracked these perforations with 34,272 gallons water treated as above and 30,000 pounds sand. Breakdown pressure 2700, treating 3325, average injection rate 41 barrels per minute.

2-3/8" tubing landed at 5906 and well completed April 14, 1964 as Basin Dakota Fluid Develop-
Result of Production Stimulation. None well. Preliminary test 4000 MCF per day.

Depth Cleaned Out

6076

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

PRODUCTION

Put to Producing April 14, 1964

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

GAS WELL: The production during the first 24 hours was 4000 M.C.F. plus barrels of liquid Hydrocarbon. Shut in Pressure. 2050 lbs. Length of Time Shut in 14 Hours

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

T. Anhy.	T. Devonian.	T. Ojo Alamo.
T. Salt.	T. Silurian.	T. Kirtland-Fruitland
T. 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
0	1405	1405	Sand and shale
1405	1565	160	Pictured Cliffs
1565	2955	1390	Limestone
2955	4130	1175	Marls shale
4130	5042	912	Marls shale
5042	5400	358	Gallup
5400	5796	396	Base Gallup
5796	5860	64	Greenhorn
5860	5902	42	Greenhorn shale
5902	5980	78	Greenhorn shale
5980	5980	133	Marls 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.

Well No. 1405, Farmington, New Mexico
Company or Operator: P. O. Box 450, Farmington, New Mexico
Name: L. H. McMillan
Position or Title: Driller
Date: April 14, 1964