

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

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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

X

AREA 4-A
DATE WELL 10-12-64PAN AMERICAN PETROLEUM CORPORATION
(Company or Operator)

Keys Gas Unit "D"

(Lease)

Well No. 1, in SE $\frac{1}{4}$ of SW $\frac{1}{4}$, of Sec. 29, T. -29-N, R. -10-W, NMPM.
Basin Dakota Pool, San Juan County.
Well is 1170 feet from South line and 1590 feet from West line
of Section 29. If State Land the Oil and Gas Lease No. is _____
Drilling Commenced October 5, 1964. Drilling was Completed October 12, 1964.
Name of Drilling Contractor Brinkerhoff Drlg. Co.
Address 870 Denver Club Bldg., Denver, Colorado
Elevation above sea level at Top of Tubing Head 5557 (RDE). The information is _____ until
Not Confidential, 19____.

OIL SANDS OR ZONES

No. 1, from 6198 to 6266 (Gas) No. 4, from _____
No. 2, from 6266 to 6320 (Gas) No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

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	LOSS
8-5/8"	24#	New	799	Guide	None		Surface
4-1/2"	10.5#	New	6432	Guide	None		Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF CEMENT	DATE
12-1/4"	8-5/8"	806	600	B. J. 1 Plug			
7-7/8"	4-1/2"	6402	1500	Howco 2 Stage			

RECORD OF PRODUCTION AND STIMULATION

Record the Process used, No. of Qts. or Gals. used, interval treated or test.

Perforated Main Dakota 6272-82, 6292-6304 with 2 shots per foot. Fractured these perforations with 42,420 gallons water containing 0.8% potassium chloride, 2 pounds FR-8 per 1000 gallons and 40,000 pounds sand. No breakdown pressure. Average treating 3050 psi. Average injection rate 53.5 BPM. Bridge plug set at 6260 and tested with 3500 psi. Test OK. Perforated Graneros 6202-12 with 4 shots per foot. Fracked these perforations with 27,440 gallons water treated as above and containing 27,000 pounds sand. Breakdown pressure 1700. Average treating 3150 psi. Average injection rate 37.5 BPM. Sanded off with 3000 pounds 10-20 sand in formation. Bled well back and completed flush. Drilled out bridge plug and cleaned well up.

Result of Production Stimulation 2-3/8" tubing landed at 6222 and well completed October 27, 1964 as Basin Dakota Field Development Well. Preliminary test 6250 MCFD.

Length Drilled Out 6374

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 6405 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 October 27, 1964

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 6250 M.C.F. plus 0 barrels of
 liquid Hydrocarbon. Shut in Pressure 2050 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.
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	1785	1785	Sand and Shale				
1785	1860	75	Pictured Cliffs				
1860	3350	1490	Lewis Shale				
3350	4330	980	Mesaverde				
4330	5314	984	Mancos				
5314	5654	340	Gallup				
5654	6080	426	Base Gallup				
6080	6152	72	Greenhorn				
6152	6198	46	Graneros Shale				
6198	6266	68	Graneros Dakota				
6266	6405	139	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.

Company or Operator PAN AMERICAN PETROLEUM CORP.
 Fred L. Nabors, District Engineer
 Name F. H. HOLLINGSWORTH
 Farmington, New Mexico October 30, 1964
 Address P. O. Box 480, Farmington, New Mexico
 Position or Title