

Santa Fe, New Mexico

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LAND OFFICE	
TRANSPORTER	OIL GAS
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WELL RECORD

							X	

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)

Gallegos Canyon Unit-Dakota

(L-250)

Well No. 169, in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, of Sec. 35, T. -29-N, R. -12-W, NMPM.

Basin Dakota

Pool..... San Juan

..County.

Well is 2360 feet from South line and 1115 feet from East line

of Section 35 If State Land the Oil and Gas Lease No. is

Drilling Commenced August 27, 19 64 Drilling was Completed September 6, 19 64

Name of Drilling Contractor..... **Brinkerhoff Drilling Co., Inc.**

Address..... 870 Denver Club Bldg., Denver, Colorado

Elevation above sea level at Top of Tubing Head.....5389 (RDB)..... The information given is to be kept confidential until
Not Confidential..... 19.....

OIL SANDS OR ZONES

No. 1, from 5852 to 5924 (Gas) No. 4, from _____ to _____

No. 2, from 5924 to 5975 (Gas) No. 3, 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	327	Guide			Surface
4-1/2"	10.5#	New	6062	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
12-1/4"	8-5/8"	335	250	Halliburton 1 Plug		
7-7/8"	4-1/2"	6033	1500	Halliburton 2 Stage		

RECEIVED

RECORD OF PRODUCTION AND STIMULATION

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

Perforated 5924-54 and 5966-72 with 2 shots per foot. Fractured these perforations with 42,840 gallons water containing 1% calcium chloride and 7 pounds J-2 per 1000 gallons and 50,000 pounds sand. Breakdown pressure 1400 psi. Treating 2900 psi. Average injection rate 49.5 BPM. Bridge plug set at 5920 and tested with 3500 psi. Test OK. Perforated 5854-66 with 4 shots per foot. Well communicated, did not frac.

2-3/8" tubing was set at 5873 and well completed September 22, 1964 as Basin Dakota Field Development Well. Preliminary test 6800 MCFD.

Result of Production Stimulation.

..Depth Cleaned Out.....5996

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 6033 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 September 22, 1964.

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

GAS WELL: The production during the first 24 hours was 6800 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	1350	1350	Surface Sand and Shale				
1350	1510	160	Pictured Cliffs				
1510	3040	1530	Lewis Shale				
3040	4090	1050	Mesaverde				
4090	4984	894	Mancos				
4984	5344	360	Gallup				
5344	5750	406	Base Gallup				
5750	5814	64	Greenhorn				
5814	5852	38	Graneros Shale				
5852	5924	72	Graneros Dakota				
5924	6033	109	Main Dakota				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

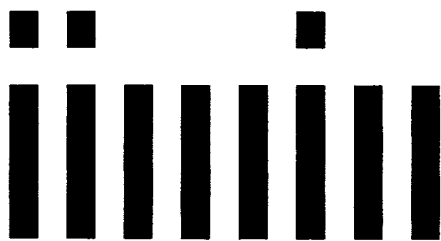
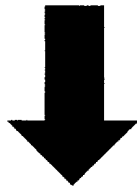
I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Farmington, New Mexico September 30, 1964
Company or Operator PAN AMERICAN PETROLEUM CORP. Address P. O. Box 480, Farmington, New Mexico
F. H. ROLLINGSWORTH District Engineer
Name Position or Title

Job separation sheet



LTR



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR ~~INDEX~~ - (GAS) ALLOWABLE

New Well
~~RECEIVED~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farlington, New Mexico September 30, 1964
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

PAN AMERICAN PETROLEUM CORPORATION Unit-Dakota, Well No. 169, in NE $\frac{1}{4}$ SE $\frac{1}{4}$,
(Company or Operator) (Lease)

I, Sec. 35, T. -29-N, R. -12-W, NMPM., Basin Dakota Pool
Unit Letter

San Juan

Please indicate location:

D	G	B	A
E	F	G	H
L	K	J	I
M	N	O	P

2360 FSL and 1115 FEL

Tubing, Casing and Cementing Record

Size	Feet	Sax
<u>8-5/8"</u>	<u>335</u>	<u>250</u>
<u>4-1/2"</u>	<u>6033</u>	<u>1500</u>
<u>2-3/8"</u>	<u>5873</u>	

County. Date Spudded 8-27-64 Date Drilling Completed 9-6-64
Elevation 5389 (RDB) Total Depth 6033 PBD 5996

Top XX/Gas Pay 5854 Name of Prod. Form. Dakota

PRODUCING INTERVAL - 5934-54 and 5966-72 with 2 shots per foot.

Perforations 5854-66 with 4 shots per foot.

Open Hole None Depth 6033 Casing Shoe 5873 Depth 5873 Tubing

OIL WELL TEST -

Natural Prod. Test: _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Size _____ Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Size _____ Choke

GAS WELL TEST -

Natural Prod. Test: _____ MCF/Day; Hours flowed _____ Choke Size _____

Method of Testing (pitot, back pressure, etc.): _____

Test After Acid or Fracture Treatment: 6800 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Pitot Tube

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and

sand): 42,840 gallons water and 50,000 pounds sand

Casing 1125 Tubing 550 Date first new Shot In
Press. 1125 Press. 550 oil run to tanks

Oil Transporter Plateau, Inc.

Gas Transporter El Paso Natural Gas Company

Remarks: Well completed September 22, 1964, as Basin Dakota Field Development Well. Copies of Deviation Survey are attached.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved OCT 5 1964, 19____

OIL CONSERVATION COMMISSION

By: Original Signed Emery C. Arnold

Title Supervisor Dist. # 3

PAN AMERICAN PETROLEUM CORPORATION

(Company or Operator)

ORIGINAL SIGNED BY

By: L. R. Turner
(Signature)

Title Administrative Clerk

Send Communications regarding well to:

Name L. O. Speer, Jr.

Address Box 480, Farmington, New Mexico

STATE OF NEW MEXICO		
OIL CONSERVATION COMMISSION		
ALBUQUERQUE DISTRICT OFFICE		
NUMBER OF COPIES RECEIVED		
5		
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TRANSPORTER	OIL	
	GAS	
PRODUCTION OFFICE		
OPERATOR		

TABULATION OF DEVIATION TESTS
PAN AMERICAN PETROLEUM CORPORATION
GALLEGOS CANYON UNIT-DAKOTA NO. 169

<u>DEPTH</u>	<u>DEVIATION</u>
1240'	3/4°
2200'	1/2°
2594'	3/4°
3710'	1
4252'	3/4°
4801'	1
5855'	1

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on PAN AMERICAN PETROLEUM CORPORATION'S **Gallegos Canyon Unit-Dakota No. 169, Basin Dakota Field, located in the NE/4 SE/4 of Section 35, T-29-N, R-12-W, San Juan County, New Mexico.**

Signed F. H. Hollingsworth
Petroleum Engineer

THE STATE OF NEW MEXICO) }
COUNTY OF SAN JUAN) SS.

BEFORE ME, the undersigned authority, on this day personally appeared F. H. Hollingsworth known to me to be Petroleum Engineer for Pan American Petroleum Corporation and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 30th day of September, 1964.

C. K. Nitz
Notary Public