

OIL CONSERVATION COMMISSION
1000 Rio Brazos Rd.
Aztec, New Mexico

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE Nov 30, 1959

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓

Gentlemen:

I have examined the application dated Nov 25, 1959
for the Pan American Trujillo GU #1 - 21-29N-10W
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

OIL CONSERVATION COMMISSION

A. R. Kendrick

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Astec-Pictured Cliffs		County San Juan	Date November 25, 1959
Operator Pan American Petroleum Corporation		Lease Trujillo Gas Unit	Well No. 1
Location of Well	Unit N	Section 21	Township 29N
		Range 10W	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO

2. If answer is yes, identify one such instance: Order No. **DC-733**; Operator, Lease, and Well No.: **Southern Union Gas Co., Armenta No. 1, SE/4 NE/4 Section 27, T-29-N, R-10-W**

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Undesignated Farmington	Pictured Cliffs
b. Top and Bottom of Pay Section (Perforations)	1050-1070	1764-1786
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

Yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*

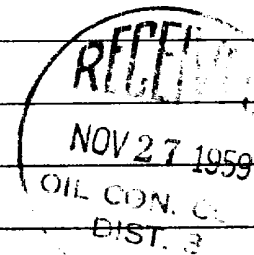
Yes d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

El Paso Natural Gas Company, Box 997, Farmington, New Mexico

Petro-Atlas, Inc., 729 E. Main, Farmington, New Mexico

Horace McKay, 800 Loma Linda, Albuquerque, New Mexico



6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO _____. If answer is yes, give date of such notification **Registered Letter 11-25-59**

CERTIFICATE: I, the undersigned, state that I am the **Area Superintendent** of the **Pan American Petroleum Corporation** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

L. O. Spear, Jr. Signature

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard perforation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

PAN AMERICAN PETROLEUM CORPORATION

Box 487, Farmington, New Mexico
November 25, 1959

File: B-2378-400.1

Subject: Application for Dual Completion
Trujillo Gas Unit No. 1
Aztec-Pictured Cliffs and
Undesignated Farmington Fields
San Juan County, New Mexico

Mr. A. L. Porter (2)
New Mexico Oil Conservation Commission
P. O. Box 1901
Santa Fe, New Mexico

Dear Sir:

In accordance with the provisions of Rule No. 112-A, Multiple Completions, as amended by Order No. R-1214, dated July 3, 1958, Pan American Petroleum Corporation respectfully requests administrative approval to dually complete the Trujillo Gas Unit No. 1 in the Pictured Cliffs and Undesignated Farmington gas zones. Trujillo Gas Unit No. 1 is located in Unit M, Section 21, T-29-N, R-10-W, and is approximately two miles northwest of Southern Union Gas Company's Armenta No. 1 which was approved for dual completion in the same zones by Order No. DC-733 dated March 2, 1959.

As specified in Rule 112-A, we are submitting in quadruplicate an Application for Dual Completion, a Diagrammatic Sketch of Dual Completion, a plat showing the location of the Trujillo Gas Unit No. 1 with respect to offsetting wells, including the names and addresses of offset operators. Also submitted is one copy of the electric log which has been posted with the required completion data.

Also being submitted in quadruplicate is a Packer Leakage Test which was completed successfully on November 23, 1959. Included with the Packer Leakage Test is the required packer setting affidavit.

By registered letter, offset operators are being furnished a copy of this letter and a copy of the Dual Completion Application.

Very truly yours,

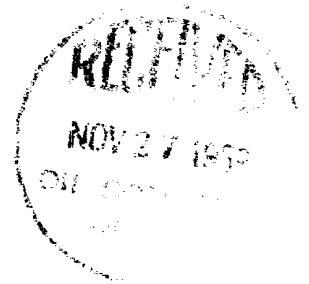
PAN AMERICAN PETROLEUM CORPORATION

Original signed by
L. O. SPEER, JR.
L. O. Speer, Jr.
Area Superintendent

REB:hh

cc: Mr. E. J. Arnold (2)
El Paso Natural Gas Co., Farmington, N. M.
Horas McKay, Albuquerque, N. M.
Petroleum, Inc., Farmington, N. M.

COPY



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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

Reference Point RDB, Elevation 5493

13'

Ground Level Elevation 5480

8-5/8" 23# surface casing set at 213'

Cement circulated to surface

Farmington Perforations:
4 JSPF 1050-1070

1-1/4" 2.3# tubing set at 1052
(Farmington siphon string)

Baker Model "D" Permanent Production
Packer set at 1725.

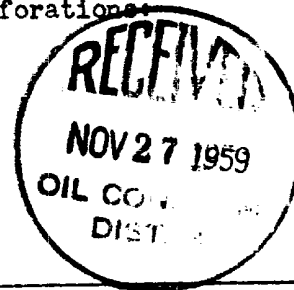
Pictured Cliffs Perforations:
2 JSPF 1764-1786

1-1/2" 2.9# tubing set at 1728'

5-1/2" 14# casing set at 1860
w/450 sx

PBD = 1800'

TD = 1860'



PAN AMERICAN PETROLEUM CORPORATION

SCALE:

RBB 11-25-59

DRG.
NO.

Trujillo Gas Unit No. 1 - Diagrammatic Sketch of Dual Completion

EQU MET

1/3/52

R-10-W

12 Ac.

10 Ac.

82 Ac.

42

138 Ac.

78 Ac.

10.65 Ac.

1.42

9.65 Ac.

10.00 Ac.

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10.00 Ac.

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Henry
F.L. HARVEY

El Paso Natural Gas Co.
Box 997
Farmington, N. Mex.

Petro-Atlas, Inc.
729 E. Main
Farmington, N.M.

EL PASO
Operator

Tex. Pos. GU
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State
F.A. SCHULTZ
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2052 T.P.
8407 C.A.O.F.
9/27/56

5636 D.F.
2055 T.D.
1938 T.P.
5936 C.A.O.F.
11/20/56

5482 D.F.
1860 T.D.
1800 P.B.
784 T.P.
5011 M.C.I.
12/19/57

5826 D.F.
2262 T.D.
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814 B.O.P.D.
1/10/58

5825 D.F.
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12/31/57

5825 D.F.
2057 T.D.
3738 C.A.O.F.
12/31/57

5825 D.F.
2057 T.D.
3738 C.A.O.F.
12/31/57

5825 D.F.
2057 T.D.
3738 C.A.O.F.
12/31/57

5825 D.F.
2057 T.D.
3738 C.A.O.F.
12/31/57

LOCATION PLAT
TRUJILLO GAS UNIT NO. 1
UNIT 1, SECTION 21, T-29-N,
R-10-W, SAN JUAN CO., N. MEX.

RBE

11-25-59

RECEIVED

NOV 27 1959

33 OIL CON. COM.
DIST. 3

Horace McKay
800 Loma Linda
Albuquerque, N. Mex.

5771 D.F.

2028 T.D.

3138 M.C.I.

7/23/58

5772 D.F.

1981 T.D.

4744 M.C.I.

6/17/58

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Pan American Petroleum Corporation Lease Trijillo Gas Unit Well No. 1

Location of Well: Unit N Sec. 21 Twp. 29N Rge. 10W County San Juan

of Well: Unit _____ Sec. _____ Twp. _____ Rge. _____ County _____				
	Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. or Csg.)
Upper Completion	Undesignated Farmington	Gas	Flowing	Casing
Lower Completion	Astee-Pictured Cliffs	Gas	Flowing	Tubing

PRE-FLOW SHUT-IN PRESSURE DATA

PRE-FLOW SHUT-IN PRESSURE DATA							
Upper Compl	Hour, date	10:30 a.m. 11-12-59	Length of time shut-in	7 days	SI press. psig	300	Stabilized? (Yes or No) Yes
Lower Compl	Hour, date	10:30 a.m. 11-12-59	Length of time shut-in	7 days	SI press. psig	517	Stabilized? (Yes or No) Yes

FLOW TEST NO. 1

Commenced at (hour, date)*		Pressure		Prod. Zone	Remarks
Time (hour, date)	Lapsed time since*	Upper Compl.	Lower Compl.	Temp.	
10:30 a.m. 11-19-99	0 min.	300	517	60° (est)	Test Started
10:45 a.m.	15 min.	75	517	"	
11:00 a.m.	30 min.	69	517	"	
11:15 a.m.	45 min.	65	517	"	
11:30 a.m.	60 min.	64	517	"	
12:00 noon	90 min.	63	517	"	
12:30 p.m.	120 min.	61	517	"	
1:00 p.m.	150 min.	60	517	"	
1:30 p.m. 11-19-99	180 min.	59	517	"	Test Completed

Production rate during test	
-----------------------------	--

Production rate during test

Oil:	BOPD based on	Bbls. in	Hrs.	Grav.	GOR
Gas: <u>772</u>	<u>MCFPD</u>	<u>Tested thru (Orifice or Meter):</u>	<u>1 1/4" stroke after 3 hours</u>		

MID-TEST SHUT-IN PRESSURE DATA

MID-TEST SHUT-IN PRESSURE DATA								
Upper	Hour, date	1:30 p.m. 11-19-59	Length of time shut-in	4 days	SI press. psig	300	Stabilized? (Yes or No)	Yes
Lower	Hour, date	10:30 p.m. 11-12-59	Length of time shut-in	11 days	SI press. psig	327	Stabilized? (Yes or No)	Yes

FLOW TEST NO. 2

Commenced at (hour, date)**		Pressure		Prod. Zone	Remarks
Time (hour, date)	Lapsed time since **	Upper Compl.	Lower Compl.	Temp.	
11:15 a.m.					
11-23-59	0 min.	300	527	60° (est.)	Test Started
11:30 a.m.	15 min.	300	116	"	
11:45 a.m.	30 min.	300	113	"	
12:00 noon	45 min.	300	110	"	
12:15 p.m.	60 min.	300	107	"	
12:45 p.m.	90 min.	300	101	"	
1:15 p.m.	120 min.	300	96	"	
1:45 p.m.	150 min.	300	94	"	
2:15 p.m.					
11-23-59	180 min.	300	94	"	Test Completed

Production rate during test	Production rate during test
100%	100%
90%	90%
80%	80%
70%	70%
60%	60%
50%	50%
40%	40%
30%	30%
20%	20%
10%	10%
0%	0%

Production rate during test
Oil: 1227 BOPD based on Bbls. in Hrs. Grav. GOR
Gas: MCFPD; Tested thru (Orifice or Meter): 3/4" choke after 3 hours

REMARKS:

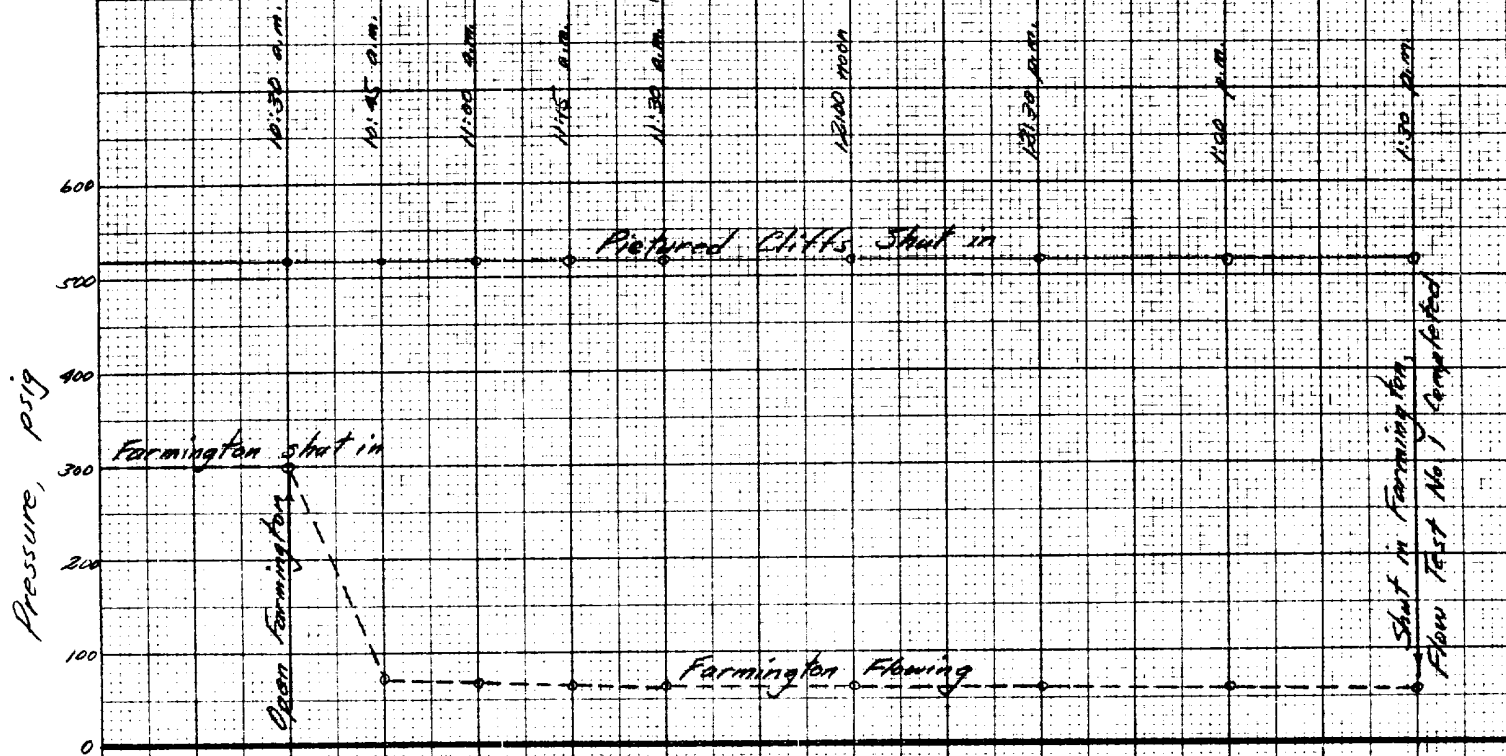
I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved: 11-27 1957
New Mexico Oil Conservation Commission

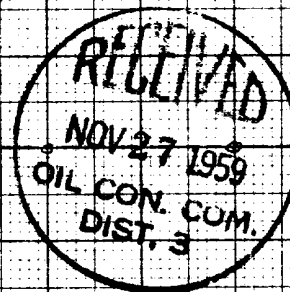
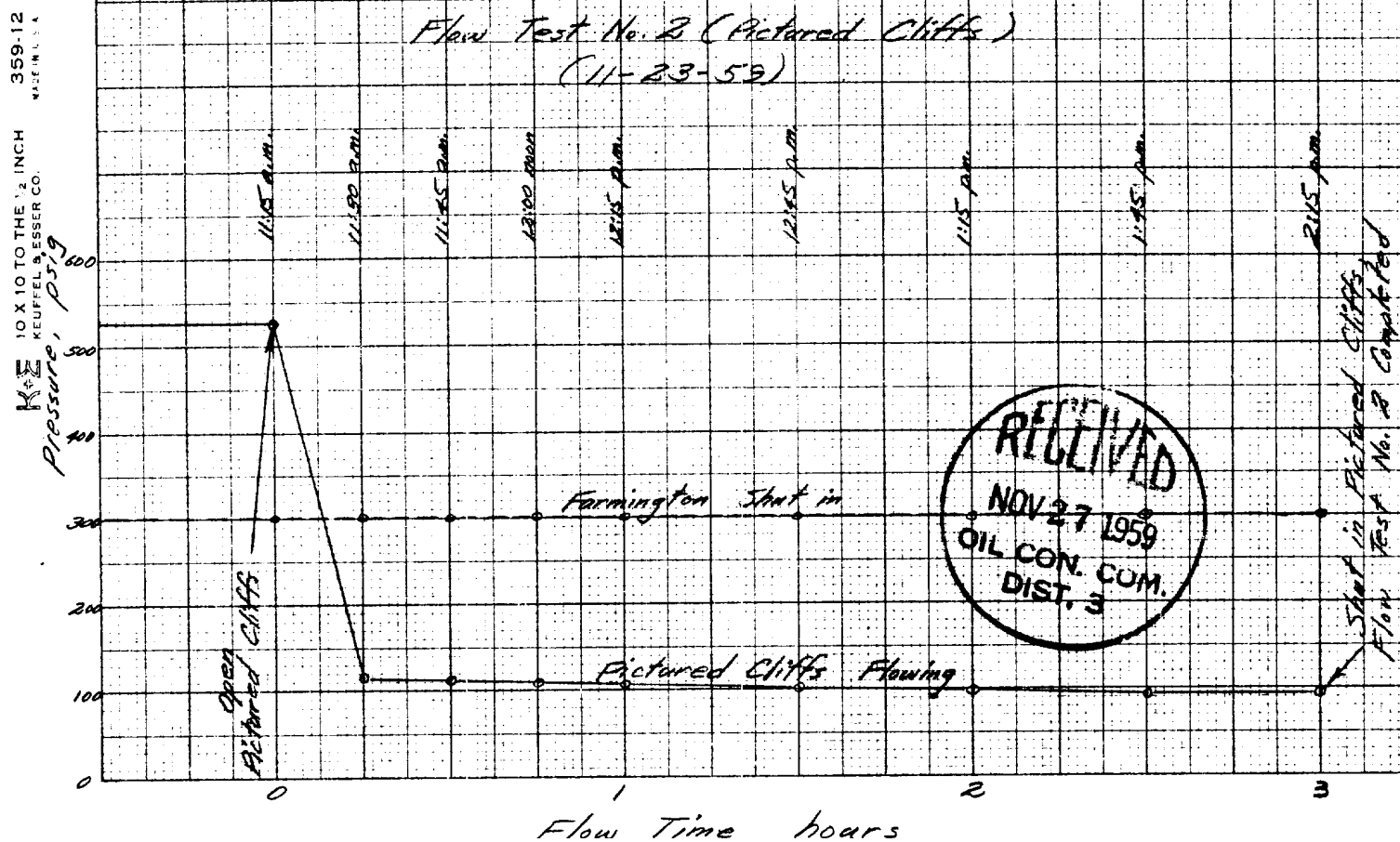
By W. K. Gendron
Title Finance Director #3

Operator Pan American Petroleum Corporation
By R. M. Bauer, Jr. RMBauer
Title Area Engineer
Date November 25, 1959

Packer Leakage Test - Trujillo Gas Unit No. 1 Flow Test No. 1 (Farmington) (11-19-59)



Flow Test No. 2 (Pictured Cliffs) (11-23-59)



STATE OF NEW MEXICO)
)
COUNTY OF SAN JUAN)

I, Mack Mahaffey, being first duly sworn upon my oath depose and says as follows:

I am an employee of Baker Oil Tools, Inc., and that on November 10, 1959, I was called to the location of the Pan American Petroleum Corporation's Trujillo Gas Unit No. 1, Well located in the Unit M of Section 21, Township 29N, Range 10W, N. M. P. M. for the purpose of installing a production packer. Under my direct supervision a Baker Model D production packer was set at 1725 feet. The production packer was properly set in accordance with the usual practices and customs of the industry.

Mack Mahaffey

Baker Oil Tools, Inc.

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 2nd day of November, 1959.

Douglas Holt
Notary Public in and for San Juan
County, New Mexico

My Commission expires October 29, 1962.

