

OIL CONSERVATION COMMISSION
3 DISTRICT

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 3-21-66

Re: Proposed NSP _____

Proposed NWU _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓

Gentlemen:

I have examined the application dated 3-18-66
for the Pan American Pet Corp Nat'l. Gas Lease #1 A-24-29N-10W
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approved

Yours very truly,

Emory C. Lewis

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Blanco-Mesaverde and Basin Dakota		County San Juan	Date March 18, 1966
Operator Pan American Petroleum Corporation		Lease Martinez Gas Com. "G"	Well No. 1
Location of Well Unit A	Section 24	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. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Mesaverde	Dakota
b. Top and Bottom of Pay Section (Perforations)	3610' - 4340'	6303' - 6398'
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flow	Flow

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

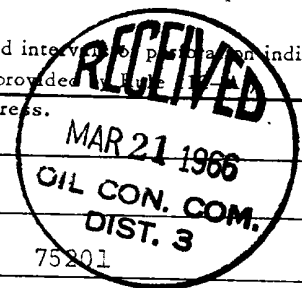
- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- 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 in Item 5.)
5. List all offset operators to the lease on which this well is located together with their correct mailing address.
- Claud E. Aikman, P. O. Box 2090, San Angelo, Texas
- El Paso Natural Gas Company, P. O. Box 1492, El Paso, Texas
- Southern Union Production Company, Fidelity Union Tower, Dallas, Texas 75201
- J. Glenn Turner, Petroleum Club Plaza, Farmington, New Mexico
- Aztec Oil and Gas Company, 2000 First National Bank Building, Dallas, Texas
- Empire States Drilling Corporation, 1020 Simms Building, 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 March 18, 1966

CERTIFICATE: I, the undersigned, state that I am the District 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.

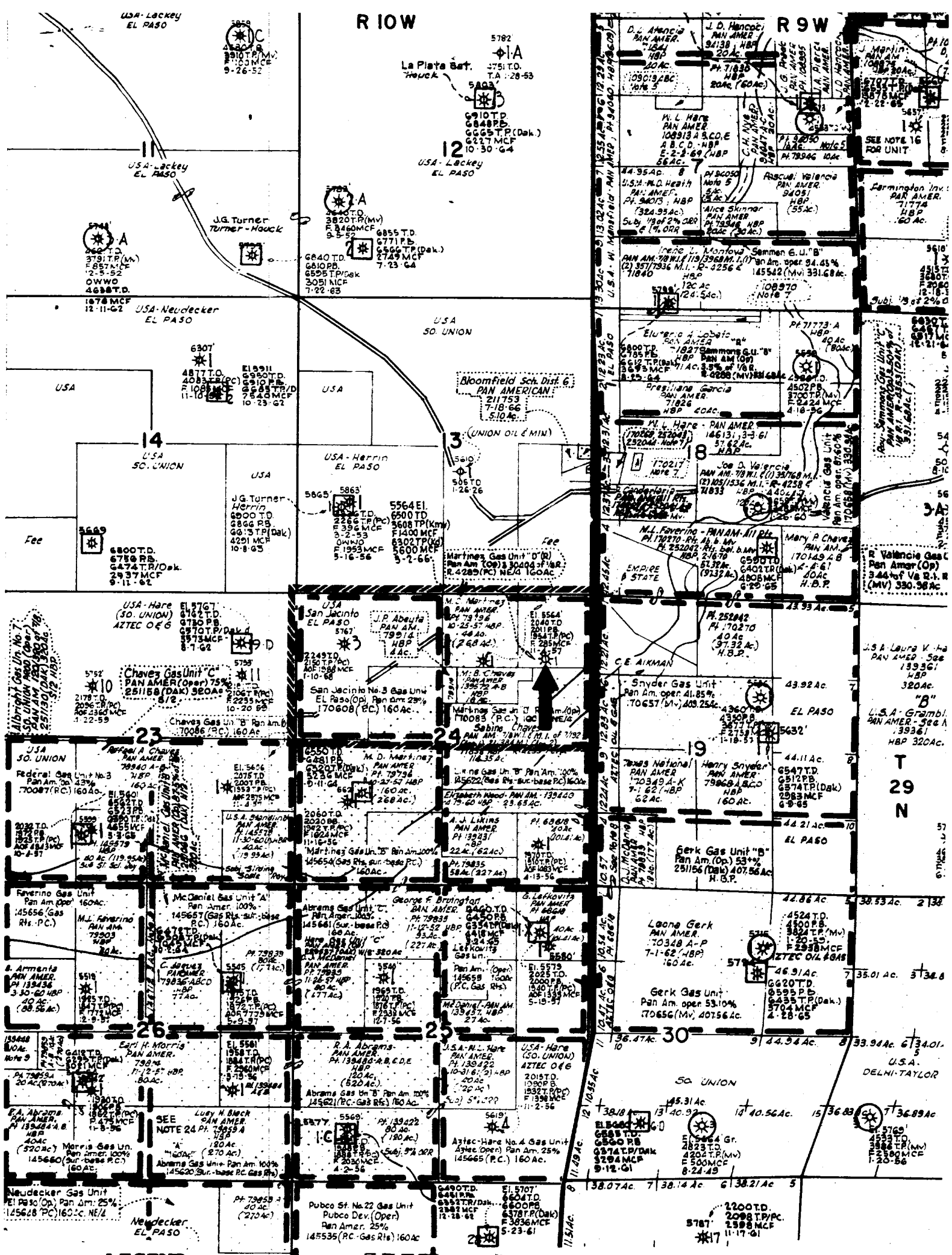
**Offset Operators requested to submit waivers directly to the Commission.

* 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.



[Signature]
Signature



LEGEND



Dual Mesaverde Dakota Completion



Mesaverde Completion



Dakota Completion

Acreage Dedicated to Martinez
"G" Gas Com. Well No. 1

Pan American Petroleum Corporation
Application for Dual Completion
Martinez Gas Com. "G" Well No. 1
Bianco Mesaverde
and
Basin Dakota Pools
San Juan County, New Mexico

Scale: 1"=2000'

March 1966

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin			Formation Dakota			County San Juan				
Initial I		Annual		Special		Date of Test 3-22-66				
Company PAN AMERICAN PETROLEUM CORP.			Lease Martinez Gas Com "G"			Well No. 1				
Unit A	Sec. 24	Twp. 29N	Range 10W		Purchaser El Paso Natural Gas Company					
Casing 5.500	Wt. 15.5	I.D. 4.950	Set at 6499		Perf. 6369-82 6303-6318	To 6388-6398				
Tubing 2"	Wt. 3.4	I.D. 1.670	Set at 6263		Perf. OPEN	To ENDED				
Gas Pay:	From 6303	To 6398	L 6351	G .700	GL 4446	Bar. Press. 12				
Producing Through:		Casing	Tubing I		Type Well - Single - Braden head - G.G. or G.O. Dual Gas-Gas Dual					
Date of Completion 3-13-66		Packer 6252		Reservoir Temp.						
OBSERVED DATA										
Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Taps				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	9 Days					1917				
1.	2 Inch	.750	469			469	60° est.			3 Hr.
2.										
3.										
4.										
5.										
FLOW CALCULATIONS										
No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15.025 psia			
1.	12.3650		481	1.0000	.9258	1.061	5843			
2.										
3.										
4.										
5.										
PRESSURE CALCULATIONS										
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____					
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____					
F _c 14.96 (1-e ^{-S}) 0.276					P _c 1929 P _c ² 3,721,041					
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$	
1.	481	231,361	87.41128	7,640.732	2108.842	2340.203	1,380,838	1175		
2.										
3.										
4.										
5.										

ABSOLUTE POTENTIAL: **12,289** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

ADDRESS **Box 480, Farmington, New Mexico** COMPANY _____

AGENT AND TITLE **G. W. Eaton, Jr., Area Engineer**

