

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY Pan American Petroleum Corporation Box 487 Farmington, New Mexico
(Address)

LEASE Trajillo Gas Unit WELL NO. 1 UNIT N S 21 T -29-N R -10-W
DATE WORK PERFORMED 11/15/57 POOL Astee-Pictured Cliffs

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☐ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

Trajillo Gas Unit, Well No. 1, was spudded on October 29, 1957. On October 30, 1957, 8-5/8" casing was set at 213' with 225 sacks of cement. After waiting on cement for 24 hours, casing and water shut-off were tested with 400 pounds pressure for 30 minutes, which held with no drop in pressure.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE AFTER

Date of Test _____

Oil Production, bbls. per day _____

Gas Production, Mcf per day _____

Water Production, bbls. per day _____

Gas-Oil Ratio, cu. ft. per bbl. _____

Gas Well Potential, Mcf per day _____

Witnessed by _____



(Company)

OIL CONSERVATION COMMISSION

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

Name Original Signed Emery C. Arnold
Title Supervisor Dist. # 3
Date NOV 18 1957

ORIGINAL SIGNED BY
Name D. J. SCOTT
Position Field Clerk
Company Pan American Petroleum Corporation
Box 487, Farmington, New Mexico

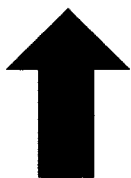
OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISPOSITION

DATE	BY	REMARKS
Received	/	
By	/	
By		



LTR



Job separation sheet

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Astec-Pictured Cliffs Formation Pictured Cliffs County San Juan
(dual with Undesignated Farmington)
Initial _____ Annual _____ Special X Date of Test 11-23-59
Company Pan American Petroleum Corp. Lease Trajillo Gas Unit Well No. 1
Unit M Sec. 21 Twp. 29S Rge. 10W Purchaser K1 Pace Natural Gas Company
Casing 5-1/2 Wt. 14 I.D. 5.012 Set at 1860 Perf. 1764 To 1786
Tubing 1-1/2 Wt. 2.9 I.D. 1.610 Set at 1728 Perf. open ended; no perforations To _____
Gas Pay: From 1764 To 1786 L 1728 xG 0.645 -GL 1113 Bar.Press. 12
Producing Thru: Casing _____ Tubing X Type Well Gas-Gas Dual
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 11-23-59 Packer 1725 Reservoir Temp. 90° F

OBSERVED DATA

Tested Through (none) (Choke) (none)

Type Taps _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Line) Size	(Choke) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	Shut in 11 days					527				
1.	2"	3/4"	90		60° (est.)	94		—		3 hours
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-MCFPD @ 15.025 psia
1.	12.365		184	1.000	0.9445	1.009	1227
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c 16.46 (1-e^{-S}) 0.078

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 529 P_c² 280,121

No.	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	P _w /P _c
1.	286	11,236	28,196	407,878	31,814	43,090	267,471	286	
2.									
3.									
4.									
5.									

Absolute Potential: 1406 MCFPD; n 0.85COMPANY Pan American Petroleum CorporationADDRESS Box 487, Farmington, New MexicoAGENT and TITLE H. H. Bauer, Jr., Area Engineer

WITNESSED _____

COMPANY _____

REMARKS _____



INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w - Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} - Supercompressability factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

[illegible]