NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool allard Formation Pictured Cliffs County [illegible] Arriba

Initial X Annual Special Date of Test [illegible]

Company Arizona [illegible], Inc. Lease Jicarilla P Well No. 2

Unit P Sec. [illegible] Twp. 23 Rge. 5W Purchaser [illegible] Paso Natural Gas Co.

Casing [illegible] 5/[illegible] Wt. 2[illegible] I.D. Set at 23[illegible] Perf. 2270 To 22[illegible]

Tubing 2 3/[illegible] Wt. 4.7 I.D. Set at 224[illegible] Perf. 224[illegible] To

Gas Pay: From 227[illegible] To 22[illegible] L 224[illegible] xG 0.65 -GL 14[illegible] Bar.Press. 12.[illegible]

Producing Thru: Casing Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: Packer Reservoir Temp.

OBSERVED DATA

Tested Through ~~(Prover)~~ (Choke) ~~(Meter)~~ Type Taps

	Flow Data					Tubing Data		Casing Data		
No.	~~(Prover)~~ (Line) Size	(Choke) ~~(Orifice)~~ Size	Press. psig	Diff. h_w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	Duration of Flow Hr.
SI						706		706		SI
1.										
2.										
3.	2	3/4	[illegible]		52			334		3 hrs.
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.							
2.							
3.	12.3[illegible]		[illegible]	1.00[illegible]	0.[illegible]	1.0[illegible]	15[illegible]
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.
Gravity of Liquid Hydrocarbons deg.
F_c [illegible] $(1-e^{-s})$ [illegible]

Specific Gravity Separator Gas
Specific Gravity Flowing Fluid
P_c 71[illegible] P_c^2 515.524

No.	P_w P_t (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$\frac{(F_cQ)^2}{(1-e^{-s})}$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.									
2.									
3.	[illegible]	[illegible]	14.[illegible]	222.[illegible]	22.512	[illegible]	42[illegible]	-	1.205
4.									
5.									

Absolute Potential: [illegible] MCFPD; n [illegible]
COMPANY [illegible], Inc.
ADDRESS [illegible], Texas
AGENT and TITLE [illegible], Consulting Engineer M. B. JONES
WITNESSED [illegible]
COMPANY Arizona Explorations, Inc.

REMARKS

RECEIVED
OCT 21 1960
OIL CON. COM.
DIST. 3

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.