NEV	M MEXICO OIL CONSERVATION COMM	ISSION
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MULT	I-POINT BACK PRESSURE TEST FOR	GAS WELLS Revised 12-1-55
Pool Undesignated I	Formation San Andres	County Lea
Initial X Annual	Special	Date of Test10/19/64
Company TEXAS PACIFIC OIL C	COMPANY Lease T. P. State	Well No1
Unit	D-S_Rge. 37-E_Purchaser	Vented
Casing 4 1/2"Wt. 9.5# I.D.		870 To <u>4919</u>
Tubing 2 3/8"Wt. 4.74 I.D.	Set atSetPerf	905 To 4920
Gas Pay: From <u>4870</u> To <u>4919</u>	L4894xG0.60GI	
Producing Thru: Casing	Tubing X Type	Well
Date of Completion:	PackerRese	radenhead-G. G. or G.O. Dual ervoir Temp

OBSERVED DATA

	· · · · · · · · · · · · · · · · · · ·	Flow D	ata	·····	1	Tubing	Data	Casing	Data	
No.	(Prover) (Line)	(Choke) (Orifice)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
	Size	Size	XXXX	h _w	° _F .	psig	°F.	psig	^{>} F•	Hr.
SI	2"				20.22	1378	48	1373		110
1.	2"	3/4"	56"			1253	50	1256		2.0
2.	2"	1 1/4"	13"			1101	56	1016		2.0
3.	2"	1 1/4"	25"			783	62	819		1.5
4.	2"	1 1/4"	4413			310	69	513		2.0
5.										

_	· ·	•	٩	LOW CALCULATIC	ONS		
	Coefficient		Pressure	Flow Temp.	Gravity	Compress.	Rate of Flow
No.	(24-Hour)	$\sqrt{h_w p_f}$	psia	Factor ^F t	Factor ^F g	Factor F _{pv}	Q-MCFPD @ 15.025 psia
1.			57"Hg		<u> </u>		497
2.			13"				622
3。			25"				903
4.			43"				1289
5.							

PRESSURE CALCULATIONS

<u></u>
208
467
817

Another test will be run on this well when a pipeline connection is made.

Type Taps_

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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- h_w Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv}- Supercompressability factor.
- n I 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 .