NEW MEXICO OIL CONSERVATION COMMISSION

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		NEW ME	XICO OIL CONSER	VATION COMMISSI		177
			HOBB	S OFFICE OCC	ELVIS A.	EFR Form C-122
		MULTI-PO	NINT BACK PRESSU	RE TEST FOR GAS	WELLS	Revised 12-1-55
Pool Eu	mont	Form	_1956 00T	B PM 2:22 Seven River	County Lea	
Initial_		Annual	Specia	1	_Date of Test_	6-29-56 7-6-56
Company_	he Texas G	опрану	Lease J.	(. Rester	Well No.	3
Unit 🤳	Sec30	Twp 21-8	Rge. 36-E	Purchaser	Pase Nature	l Gas Co.
Casing 7	Wt24	I.D. 6.456		Perf	To_ _37	00
Tubing	Wt. 6.5	I.D. <u>2.44</u> 2		Perf	To	
Gas Pay:	From 3520	То 3700	L 3735 xG	670GL	502 Bar.P	ress. 13.2
Producing	Thru: Casi	ng	Tubing 🖉	Type We	11_Single	
Date of Co	ompletion:	10-7-48	Packer	Single-Brade	oir Temp	G.O. Dual

OBSERVED DATA

Tested Through (Bacues) (Cheke) (Meter)

Flow Data					Tubing Data		Casing Data			
No.	(Prever) (Line)	(Chohe) (Orifice)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
	Size	Size	psig	h _w	°F•	psig	°F.	psig	^o F.	Hr.
SI		<u> </u>				765	•			72
1.	4	1.50	739	12.25	76	739				24
2.	6	1.50	732	16.00	75	732				24
3.		1.50	716	25.00	76	718				
4.		1.50	676	19.00	76	678				24
5.										

			F	LOW CALCULATIC	ONS			
No.	Coefficient		Pressure	Flow Temp. Factor	Gravity Factor	Compress. Factor	Rate of Flow Q-MCFPD	
	(24-Hour)	$\sqrt{h_w p_f}$	psia	Ft	Fg_	Fpv	@ 15.025 psia	
1.	13.99	95.99	752.2	9864	9163	1.000	1.356	
2.	13.99	109.2	715.2	0250	9163	1.073	1.529	
3.	13.99	135.2	731.2	9450	61.63	1.073	1.892	
4.	13.99	164.0	691.2	9464	9463	1.071	2.576	
5.								

PRESSURE CALCULATIONS

Gas Liquid	Hydrocarbon Rat	io	cf/bbl.
Gravity of	Liquid Hydrocar	bons	deg.
Fc5.66	<u> </u>	(1-e ⁻⁵) 0.158	

Specific Gravity Separator Gas_____ Specific Gravity Flowing Fluid____ P_c___**778.2**____P_c^2_**605.6**_____

Type Taps Flange

No.	P _w Pt (psia)	P_t^2	F _c Q	(F _c Q) ²	$\frac{(F_cQ)^2}{(1-e^{-s})}$	P _w 2	$P_c^2 - P_w^2$	Cal. Pw	P _W P _C
1.	752.2	\$65.8	7.943	63.09	9.968	\$75.8	29.8	758.8	.97
2.	768.2	655.3	2.040	MO.N.	12.71		37.6	753.7	
3.	71.3	536.7	11.10	123.2	19.17	564.2		7.	94
4.	691.2	177.4	15.10	228.0	36.92	513.4	91.8	716.8	
5.									
Abso	olute Porent	ial:	7.679	. 1	CFPD; n 5				
	PANY		Texas 6						
ADDF	RESS		1270.1		Faxos		11		
AGEN	NT and TITLE		I. Balter	. Mannet	it Gan Man		1 Ba	ken	
WITN	VESSED	24	and Party						
COM	PANY	EL	Page In	San Ban	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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f Meter pressure, psia.

hw= Differential meter pressure, inches water.

 F_g : Gravity correction factor.

· · ·	*	*	*	•	*
Ft Flowing temperature	correction factor.	*	-	٠	•
€ •	•	•	•	•	•
FpvI Supercompressabili	ty 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 .