NEW MEXICO OIL CONSERVATION COMMISSION

	l and	Tomas Commence	S. M. L.			HOS	183 0271	1.000		Form C-122	
				-POINT BA	ACK PRES					Revised 12-1-55	
Poo]	Jalmat	- [] 3		ormation	Upper :	Yates Sa		0 41 County	Les		
Init	cial	Ar	nual	•••	Spec	ial	,	Date of	Test_1	1-5-57	
Comr	CLARA T	. SCOTT AN	D FIRST N.	ATIONAL BA	ANK Tase De	niel Ven	dm 13-3	— Wel	l No.	1	
	7 5										
	ing 7 W										
	ing 2-1/2 W										
	Pay: From_										
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 1-24-37 Packer Reservoir Temp.											
Date	e or compter	lon:		Packer			neservo	orr temb.			
		<i>(</i> –)	(· · · · · · · · · · · · · · · · ·	()	OBSERV	TED DATA					
Test	ed Through			(Mator)				Type Tap			
	(Prover)	Flow (Example)	Data Press	Diff	Temp.	Tubing Press.	Data Temp.	Casing D		Duration	
No.	(maten)	(Orifice)		o _F .		1		o _F .	of Flow Hr.	
SI	Size	Size	psig	h _w	r.	psig 798	F 4	Packer		72	
1.	2	.125	77	****	600	791	-	*		3	
2.	<u> </u>	.250	717		630	719				3	
3.		.500	344		630	\$00 346		9	900		
4. 5.	2	.500	10		4	112				21.	
FLOW CALCULATIONS											
	Coeffici	ent P		ressure Flow		Temp. Gravit		Compress.		Rate of Flow	
No.	(24-Hou	r) 5/	h _w p _f	psia		tor t	Factor F _g	Facto F _{pv}	r	Q-MCFPD @ 15.025 psia	
1.	0.3418	- V	M ₁ T	80k.2		.0000	0.946		-093	284	
1. 2.	1.4030			730.2	0	.9971	0.946	3	.085	1,01	
3.	3.0691 5.5233			509.2		.9971	0.946		.037	1,557	
3 c 4 c 5 c	5.5233			357.2 323.2		.9962	0.946		.035	1.762	
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid 670 For 5.866 (1-e-5) 130 Por 511.2 P2 658.0											
Fc	5.866		_(1-e ^{-s})_	.130		-	Pc	811.8	_, c	658.0	
	P _w					2		2 2	1		
No.	Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F	$(c^{Q})^{2}$ L- e^{-s})	P_w^2	$P_c^2 - P_w^2$		$P_{\mathbf{W}}$ $P_{\mathbf{C}}$	
1.	804.2	646.7	2.7	2.		517.4	647.1	10,9			
2. 3.	722.2	536.1 263.4	9.1		<u> </u>	10.8	540.9 274.2	117.1 363.8	_		
4.	357.2	129.0	11.3	16.		16.6	115.6	512.4	 		
5.	325.2	105.8	10.2	104,0		15.5	13.9.3	538.7			
	olute Potent	ial: 26	50 and Fire	la til en	MCFPD;			• V-V- 0 Pe	ml P.	Soott	
ADDRESS P.O. Box 6031, Dallas 22, Texas											
AGEN Wight	NT and TITLE NESSED 🗯	O. G. Ela	S. May, I	A Seed of	i Ingine	- W	Ja-Kale C) N. W.	4	-	
	PANY as abo										

REMARKS

* That taken by Mr. Mikel and Mr. Dyer with Kl Paso Natural Gas Company
Copy attached.

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 I Actual rate of flow at end of flow period at W. H. working pressure (P_w) . MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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. --
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n T Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.