CORRECTED COPT NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

			MULT	I-POINT	BACK PRE	SSURE TE	ST FOR GA	s wells		Revised 12-1-5
Pool Undesignated Form								County		Æ
Init	Initial X Annual		nnual	Special				Date of Test_		10-23-64
Comp	any Sincl	air 011 &	Gas Uni	.t	Lease_	out invest	Jal Unit	We]		
Unit	G	Sec. 4	Two	265 R	ze. 35	78 Pure	chaser	None		
	ng 42 v								To 1	3202
	ng 2 3/8" W									
						•				
	Pay: From_								-	
Produ	ucing Thru:	: Casing	S	Tu	ıbi.ng	X Sir	Type We ngle-Brade	ell Sin enhe ad-G.	gle w/F G. or (S.O. Dual
Date	of Complet	ion: 9	-29-64	Packe	r <u>128</u>	47	Reservo	oir Temp.	1419	<u> </u>
					OBSERV	ED DATA				
Test	ed Through	(Present)	(KIDEP	(Meter)	<u>)</u>			Туре Тар	s Pla	ng e
		Flow		·		Tubine	Data	Casing I	ata	
No.	(Line)	(Chore) (Orifice	Press	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
	Size	Size	psi	g h _w	°F.	psig	<u> </u>	psig	°F.	Hr.
SI 1.	2*	1.50W	34.8	14.0	71	3661 261	71	Picr.	_	l Mr.
2. 3.	2"	1.50"	26,0	11.5	72	314	72	*		1 hr.
4.	2"	1.50*			77	365	77	-		l hr.
5.										
					FLOW CAL	CULATION	IS			
No.	Coefficient		Pressure Flow Temp Factor			Gravity Compress. Factor Factor			Rate of Flow Q-MCFPD	
	(24-Hou	$\mathbf{r})$ $\sqrt{}$	h _w p _f	psia						15.025 psia
2.	16.47		5.92	48.0 0.989		0.9645				407.5
3.	16.47 16.47		0.38	39.2 39.2	0.984	0	0.9645	1.0		333.4
4. 5.	16.47	1	9.38/ 7.33	39.2 31.0	0.98	Ø	0.9645	1.0		270.8
								5.885		
				PR	ESSURE C	alcui ati	ons /	2.0		
	quid Hydro				cf/bbl.					rator Gas 0.645
	eavity of Liquid Hydrocarbons 48 deg. Specific Gravity Florence (1-e-s) 9.700 Sco P _C 3674.2 P _C								ty Flow	ring Fluid 0.927
C		'	_ _ 2		1000	•	- c		_· c _ ≃	///0080
	P _w	2				.2		2 2	 	
No.	Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F	$\frac{c^{Q}}{e^{-s}}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		P _w
	274.2	75.18	3.313	16.39	II.	19.18	56,658%	36 13613	274	2 0.0000
	327.2 378.2	143.03	3.166	10.98	7.	01 (//	150.04/48		387	
+•	456.2	208,11	2.691	7.24	1 5	07 4,05	23.13/2	16 13451	461.	
5		43	0 × 07 / 0						4	
COMPA	ute Potent:	ial: 41 nolair 01	1 & Cas	Company	MCFPD;	n (CAI	C. Tess A	nan Ull)	Thereit) 1.000
ADDRE	SS P.	O. Box 1	920. Bot	be. for	Kezzi ee					
	and TITLE SSED D.		IGNED FIG	ed Burns	Fred	Burns, B	derice :	superinten	denc	
	NY SE		l & Gas	Company						
-					REM	ARKS PAR	4863 Pas	(0 10,13	6)	
					9.1		84.36	13,1154	290.	4 -0110
	Orig. & 2		-Santa I , GAC, I	M 9	61	1	12.21	13 386.7		0916
	C/I	1110	,	نــ ـ			4864	13351.4	385,5	1049
				4	1 4.0	1 2	1216	13 287.8	1/66	11254

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 60° 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.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fnv 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_+ .