NEW MEXICO OIL CONSERVATION COMMISSION

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			NEW	MEALUO	JIL CONS.		COMAIDDI			T 0.10	
						•• U.C	33 CFF10	E OCC		Form C-12	
			MULTI	-POINT B.	ACK PRES	SUN957766	FOR GAS	WELLS	1	Revised 12-1-5	
00]	Jalmat G	as Pool	MULTI	'ormation	Yates	& Seven	' 23 PH Rivers	Sound 7	Lea		
										25 thru 2/1/57	
			Company								
										line Company	
asing_	7** W	t	I.D	5.336 _{Se}	t at 36	57' Pe:	rf*	<u> </u>	To		
ubing_	2-7/8" W	t. 6.5	I.D		t at <u>34</u>	88 Per	rf. 346	8	To3	471	
as Pay	r: From_	3058	ro 3530	_L 3	468 _x	G_0.660		289	Bar.Pre	ss. <u>13.2</u>	
	····8 -··· -·	ion. 10	0-21-54	Pooko	. 2987-	Sin,	gle-Brade	nhead-G.	G. or G	.0. Dual	
100 01	Compret	1011:								······································	
					OBSERV	ED DATA					
ested	Through	RELEASE	r) (Chana)	(Meter)				Type Tap	os	l pe	
	REENER)		w Data K) Press	Diff.	Temp.	Tubing	Data Temp.	Casing I Press.	ata Temp	Duration	
.	(Line)	(Orifi	ce)				· ·		°F.	of Flow	
	Size	Siz	e psig	s h _w	°F•	psig 764	-F.	psig Pkr.	-r.	Hr. 72 Hr. S.L.	
	• 11	1.750		2.65	102	746		11		24 hr.	
	1 11	1.750		9.90	96	722	**	11		<u>24 hr</u>	
	111 111	1.750	587	16.53 142.32	94 89	703 649	**	11		24 hr.	
.	Coefficient (24-Hour)		/hwpf	psia	Fac F	Temp. tor t	Gravity Factor ^F g	Compre Facto ^F pv	or	Rate of Flow Q-MCFPD @ 15.025 psia	
• I	21.69		41.03 635.2 77.40 605.2		0.9618		0.9535	1.051		858 1629	
	21.69		77.40 605.2 99.61 600.2		0.9671		0.9535	1.05		2097	
。	21.69 156.74		580.5 0.9732			0.9535	1.052		3319		
				PR	ESSURE C	ALCULATI	ons				
s Liqu	uid Hydro	carbon	Ratio Dr y	Gas	cf/bbl.					irator Gas	
avity	of Liqui	id Hydro	carbons(1-e ^{-s} /		deg.			Specific Gravity Flowing Fluid PP_2P_2604.0			
<u> </u>	2.000	·	(1-e ⁻⁵	0.14	0	-	^r c		C	007.0	
P,	.t		T	T				2 0			
>• 	_	P_t^2	F _c Q	$(F_cQ)^2$	(F	$\left[\frac{c^{Q}}{c^{e-s}} \right]^{2}$	P _w 2	$P_c^2 - P_w^2$	Ca	P_{W}	
	t (psia)	576.4	5.033	25.33	· ·	-e 0) 7	580.1	23.9	761	77	
	759.2 735.2	540.5	9.556	91.32			553.8	50.2	744		
the second s	716.2	512.9	12.301	151.31			535.0	69.0	731	4 94.1	
	662.2	438.5	19.469	379.04			493.8	110.2	702.	7 90.4	
		1.7	1r ere					L			
Absolute Potential: 15,250 MCFPD; n 0.895974 COMPANY The Ohio Oil Company											
	9	P. O. Bo	× 2107. H	obbs. New	Nexico						
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* 7"	0.D. csg	, perfs	as follo							1172	
	3058-31	143', 31	58-3221',	3240-326	61, 3322	1-3344",				US A CINAL	
	3362-33	500', 34	26-34561,	÷ 3474-3	. 05 6				Ę	LNS A. UTIL AN FRANKLE	
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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
- Pw² 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.
- FgI Gravity correction factor.
- F_t 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 .