## NEW MEXICO OIL CONSERVATION COM GESTON

HORBS OFFICE OCC

Form C-122

Revised 12-1-55

			М	ULTI-PO	ITNI	BACK PRE	SSURE T	E <b>ST</b> PFOR G	AS WHILLS  AM 9:50		Revised 12-1-5	
Poo!	lBene	<u> </u>		Form	nation	n0	MOOR		Count5	Jee		
Ini	Initial Annual Annual			<del></del>	Special				Date of	Test	ty 31, 1956 me 8, 1966	
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	ing <b>4 1/2</b>											
	ing 2 3/8											
Ua.s	ray: From	3422	_10		LJA	2 <b>2</b> x	cG	<b>61</b>	2246	_Bar.Pre	ess13.2	
Prod	lucing Thru	: Cas	ing		Tυ	lbi.ng	S	Type Ningle-Brace	Well Des	G. or (	G. Dual	
Date	e of Comple	tion:_1	-29-55		Packe	r_383	6	Reser	voir Temp.			
602	1.71\$	H,	1.61%			OBSERV	ED DATA	4				
	ed Through				eter)	_			Type Tap	s Pip	•	
<del></del>			low Data				Tubir	ng Data	Casing I	)ata		
No.	(Preven) (Line)	(Orif	ice) Pr	ess.	Diff.	Temp.	Press	Temp.	Press.		Duration of Flow	
SI	Size	Si	ze p	sig	h <sub>w</sub>	° <sub>F</sub> .	ps <b>i</b> g	o <sub>F</sub> ,	psig	°F.	Hr.	
1.		2.0	00 4	5.0	4.7				9:0.0		724	
2 <b>.</b> 3 <b>.</b>		2.	10	1.5 1	5.5	_0_			<b>601.7</b>		24	
4.		2.0		0.9 2	13	13			672.9		234	
20!		<u> </u>					<del></del>					
$\neg \top$	Coefficient			Pressure		FLOW CALCULATION Flow Temp.		NS Gravity	Compre	ss.	Rate of Flow	
No.	(24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	psi	а	Fact F <sub>1</sub>	tor	Factor	Facto	r	Q-MCFPD	
1.	29.92		63.42	164		97		F <sub>g</sub>	Fpv		@ 15.025 psia	
2 <b>.</b> 3.	29.92 29.92		111.6	166	7				1.04	3	2,433	
4.	29.92		119.4	443	2	.97		-9403	1.04	7	3,200	
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					PRI	ESSURE CA	ALCULAT	IONS				
las Li Fravit	iquid Hydro cy of Liaui	carbon d Hvdro	Ratio			cf/bbl. deg.			ific Gravi			
ravity of Liquid Hydrocarbons (1-e <sup>-5</sup> )									pecific Gravity Flowing Fluid			
<del></del> -	<del></del>	·	·	<del></del>								
No.	$P_{\mathbf{W}}$	$P_{\mathbf{t}}^2$	F <sub>C</sub> Q	(F	$(Q)^2$	(F	$(Q)^2$	$P_{\mathbf{w}}^{2}$	$P_c^2 - P_w^2$	Ca	l. P	
	Pt (psia)	744.9	7 9		1 64	(1-	€-S)	~	-	P	P <sub>C</sub>	
1. 2. 3.	ALL.	M.I	9.5		ā.Li	J.		695:3	20.5	423.0	.91	
4.	12:3	170.7	12.5		5-4			549.1 197.4	378.7	771.0	-75	
5.					<del></del>			<del></del>	4,10,2	793.4	-73	
Absol COMPA	ute Potent: NY	ial:	5.490	OOMP A	Y.V	_MCFPD;	n	<u> </u>				
ADDRE	CSS	- ioi	1270,	MBLA	in,	TEXAS			262			
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COMPA	NY		IIAN BA			LINE GO						

## 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
- 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.
- hwl Differential meter pressure, inches water.
- $F_{g}$  Gravity correction factor.
- Ft : Flowing temperature correction factor.
- $F_{pv}$  Supercompressability factor.
- n \_ 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  $P_{\rm t}$ .