

NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

				MULTI	-POINT B	ACK PRES	SURE TEST	r FOR GAS	WELLS		Revised 1	2 -1- 97	
Pool	Panent			F	ormation	COT EU	es .		_County_1	Les			
								Date of Test 7-25 to 8-1-56					
Comp	any Oct	r 011	Cerpa	retion		Lease_	anda, J.	7. 190	Wel	1 No	1		
Unit	_ J s	ec 31	Tw	p. 21 8	Rg	e. 36 5	Purcl	naser	erretan Be	pin M.	Co.		
Casi	ng 5.5 W	t. <u>17</u>	I	.D. b.	872 Se	t at 377	7 Per	rf. 323	6	To	94		
Tubi	ng 2.375 W	t. 4. 7	<u> </u>	.D. 1.	995 Se	t at 33	? Per	rf		То			
	Pay: From_												
Date	of Complet	ion:	6-27	- L C	Packe	Tubing Single-Brace Packer Reserve				enhead-G. G. or G.O. Dual oir Temp.			
5	Perf 4					OBSERV		-				_	
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	(FICTOR)		low D	Press	. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Dura	tion	
No.	(Line) Size	(Orif	ice) ze	psig	h.	$\circ_{\mathtt{F}}$	psig	o _F .	psig	oF.	of Hr	Flow	
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2. 3.	<u></u>	2.0		374.5	87.0	10	503.7		70bell 760ell	 	2h		
3.		2.0		151.		- 65	36.8		129,9		25		
4. 5.													
		<u> </u>		•		FI.OW CAL	CULATION	S					
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No.	io.					Fac	tor	Factor	Factor		Q-MCFPD		
	(24-Hour)		√ h _w p _f		psia		t	Fg	Fpv		@ 15.025 psia		
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2.	27.70 27.70		115.	30	holio ?			- 74.0	1.050		2796 3627		
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3. 4. 5.													
					PR	ESSURE C	CALCULATI	ons	Ceff 0	. 96K			
and T	iauid Hydro	ca rhor	n Rati	^		cf/hhl.		Speci	ific Gravi		arator Gas		
Gas Liquid Hydrocarbon Ratio Gravity of Liquid Hydrocarbons						deg. S			pecific Cravity Flowing Fluid				
				1-e ^{-s})			-	Pc	770-0	_P2	900.4		
—	$P_{\mathbf{w}}$						2		2 2				
No.		P_1^2	F	'cQ	$(F_cQ)^2$	(F	$\left(\frac{cQ}{c-e-s}\right)^2$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	C	Pu Po	ď	
	Pt (psia)					(1	. - e ^{-s})	-711-3	155-1		Pw P		
1.	197-4							-45.1					
13. i	759-6							577.0					
4.	760.2							531.1	24000	·			
5.				6270				0.57	L				
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REMARKS

COMPANY

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.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- Ft Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.