NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo.	Elanco-M	esaverd		Fo	rmation	Mess:	verde		County	Rio	rriba	
Initial Annual				Special				_Date of	Test_]	0/15/57		
Com	pany Magno	lia Pet	roleum C	ompa	ny :	Lease	icarilla	В	Wel	1 No	<u> </u>	
Uni	t <u>x</u>	Sec. <u>19</u>	Twp	26 m	Rg	∍• <u>3₩</u>	Purc	haser Pa	cific Nor	threat		
Cas	ing 5 1/2"	Wt. <u>14</u>	I.D.		5.012 Set	t at <u>621</u>	7 P∈	erf <u>550</u>)2	То	61.30	
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Gas	Pay: From	5502	_To61_	3 0	L	5454 x	G_0.68		3709	Bar.Pro	ess. <u>12 paia</u>	
Prod	ducing Thru	: Cas	ing		Tul	oing	x	Type We	ell_singl	0.228		
Date	e of Complet	tion:	10-7-57		Packer	<u> </u>	Sin	ngle-Brade Reservo	enhead-G. oir Temp	G. or (G.O. Dual	
							ED DATA					
Test	ed Through	Page	ce) (Chol	<u>(e)</u>	(Meter)				Type Tap	s		
			low Data				Tubing	Data	Casing D	ąta]	
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No.	(Line) Size	(Orif		sig	h _w	\circ_{F} .	psig	°F.	psig	o _F .	of Flow Hr.	
SI							1108					
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4.								 		 		
5.								<u> </u>				
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	Coefficient Pressu				essure	FLOW CALCULATIONS re Flow Temp. Gravit			y Compress. Rate of Flow			
No.						Factor		Factor	Factor		Q-MCFPD	
	(24 – Hot	(24-Hour) √		1	psia	Ft	t l	$\mathbb{F}_{oldsymbol{g}}$	${}^{ extsf{F}}_{ ext{p} extbf{v}}$		@ 15.025 psia	
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4.				 								
5.	-											
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	ty of Liqui			.81		deg.					ring Fluid	
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No.	Pt (psia)	Pt ²	F _c Q		$(F_cQ)^2$	(F ₀	$\left(\frac{Q}{e^{-s}}\right)^2$	P_{W}^{2}	$P_c^2 - P_w^2$	1	P _W	
Į.	187	34.9	20.03		401.2			129.6	1334.4	36	<u> </u>	
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4.				+						 -	<u> </u>	
5.												
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AGENT and TITLE D.J. J. Awler Has Engineer. WITNESSED												
COMP						<u> </u>			<i>f</i>	-MLL	HVCO\	
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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
- 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.
- Ft Flowing temperature correction factor.
- F_{DV} 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_{+} .

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