NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Blas	100		Fc	rmation	Mei	everde		County_	San	Juan	
Init	ial		Annu	ei		Spec	cial		Date of	Test_	5-6-58	
Compa	any Actor	011 (Gas C	anyany		Lease_	yejhobbe	r-Martin	We	11 No.	8	
											he Company	
Casir	ng 34"	Wt. 1	ı,	.D. 5.0 1	Se	t at_ N	399 P	erf.	1h	То	4696	
Tubir	ng 2 3/8	Wt.	76 1.	.D. <u>1.5</u>	95 Se	t at_	691 P	erf.	50			
Gas F	Pay: From	4634	_To	4696	L	x	:G	_GL		Bar.Pr	ess.	
						Tubing X Tyn Single-H Packer Res						
Date	of Comple	tion:_	5- 4-	30-58	Packe	r Mos	Si	ngle-Brade Reservo	enhead-G.	G. or	G.O. Dual	
		_			-		ED DATA		,			
Teste	ed Through	(Rec) (0	Choke)	(Maham)				Type Tap	26		
			Flow Data				Tubin	g Data	···			
No.	(Prover) (Line)	(Che	oke) fice)	Press.	Diff.	Temp.	Press	Temp.	Casing I			
	Size	-		psig	h _w	o _F .	psig	°F.	psig	o _F .	of Flow Hr.	
SI l.		A *					1060	60	1032	i	7 days	
2.		0.7					173	60	474	60	3 hours	
3.												
4. 5.		 						 				
								<u> </u>			<u> </u>	
	Coeffic	ient		Pre	FLOW CALCULATIONS Pressure Flow Temp. Gravity				Compre		Pata of Flour	
vo.						tor	Factor	Facto	r	Q-MCFPD		
			$\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$		osia	F ₁		Fg	Fpv		@ 15.025 psia	
L	12.36	i			185	1.00	30	0.961	1.00	•	224.9	
3。												
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	quid Hydro y of Liqui					CSSURE CA	ALCU ATI	Speci			rator Gas	
	9.408			-e ^{-s})	0.19	_		Pc		P ²	114918	
	$P_{\mathbf{w}}$	1			· · · · · · · · · · · · · · · · · · ·							
10.	Pt (psia)	Pt2	Fc	Q	$(\mathbf{F_cQ})^2$	(F	,Q) ²	P _w 2	$P_c^2 - P_w^2$	Ca	P _W	
	185	yb.25	5 21	.070	111.12	`_	-e ^{-s})	191.757	1007.4	27 3	W 1	
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	and TITLE	ORICINAL SIGNED BY L. M. STEVENS					District Regisser			100	200	
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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.
- Pc= 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.
- Fpv 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} .

OIL CONSERVATION COMMISSION

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