NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo!	Beein 9	<u>akota</u>		_Forma	tion_	- Bal	kota		_County	San	Juan	
Init	Initial Annual			Special					_Date of	Test	6/11/62	
			Go. Lease Fayo-Burdette				mdette	Well No. 1				
Unit	: <u> </u>	ec	Twp 1	D H	Rge	. 11 W	Purch	aser	El Peso	Meture	l Gas (Company
Casi	ing 4 1/2 W	t. 10.5	I.D	4,052	Set	at_ 67	22 Per	f. <u>6</u>	<i>I</i> 73	To	6991	
Tubi	ing 2 3/8 W	t. 4.7	I.D	1,950	Set	at_ 69	91 Per	f	-, <u>-</u>	To	6991	
Gas	Pay: From_	6493	ro 6591	I	691)1	.625		4419	Bar.Pr	88	12.0
Prod	lucing Thru:	Casir	ng		Tub	ing	X	_Type We	11 Sing!	o-tes		
	e of Complet						Sine	rie-Krade	nnead-ti-	Ga OF L	ž∝U∝ Ut	
						OBSER V I	ED DATA					
Test	ed Through		(Chok	e) (1	ant.				Туре Тар	s		
		Flo	ow Data			 1	Tubing	Data	Casing D	ata	<u> </u>	
	(Prover)	(Choke	e) Pre	ss. I	iff.	Temp.	Press.		Press.			uration
No.	(Line) Size	(Orific	· 1	ie	h _w	°F.	p sig	o _P .	psig	op.	1	of Flow Hr.
SI		5120		-8			2032		2050	 	<u> </u>	8 days
$\frac{31}{1.}$		44	74			79	140	77	345			3 hrs.
2.												
3.		 						·		 	 	
4. 5.									<u> </u>	 	 	····
·		L										
				-			CULATIONS			1	Data a	& Plan
No.	Coefficient F			Press	Pressure Flow Temp. Factor			Gravity Compress. Rate of Flow Factor Factor Q-MCFPD				
	(24-Hou	$h_{\mathbf{w}} p_{\mathbf{f}}$	psi	a	Ft		Fg	Fpv		@ 15.025 psia		
1.	12,3650		W- 1	760		.902		.978	1.012		1,927	
2.												
3。									_			
4. 5.		- -			-+	······································						
	·····			<u> </u>								
					PRE	SSURE CA	alcui ati c	ns				
lae T	iquid Hydro	carbon F	Ratio			cf/bbl.		Speci	fic Gravi	tv Sepa	arator	Gas
	ty of Liqui		carbons			deg.		Speci	fic Gravi	ty Flor	ving Fl	uid
`c			(1-e ⁼	⁸)				P _c	2062	_Pg		
								Po		.F	_310.	2
	$P_{\mathbf{w}}$						2		2 0			.
No.	,	$P_{\mathbf{t}}^2$	F _c Q	(I	$(cQ)^2$	(F,	cQ) ² -e-s)	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		1.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$
	Pt (psia)		ļ			(T)	-e-0)	291.8	3941.6	<u> </u>	W	270
1. 2.												
3.				_								
<u>4.</u> 5.			} -							+		
			2,040	 -		MOBER		.75	L			
COME	olute Potent PANY	181:	-		NO.	MCFPD;	**			STP	[1]	
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COLI	4-17 4											
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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 I 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
- 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.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- F_g : 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} .