MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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		Form C-122				
	Rev	ised 12-1-55				
		an				
est	9-	9_58				
No		5-B				
·	2	176				
)	2	152				
ır.Pre	r.Press					
or (or G.O. Dual					
emp.	t	Duration				
°F∙		of Flow Hr.				
	_	\$ days				
	<u> </u>					
	Rate	e of Flow				
	Q-1	MCFPD 5.025 psia				
	9 1,					
		2,931				
Sepa	rate	or Gas				
כי	_	Fluid				
c 2	429					
		.05				
Cal.		Pw				
F	w	.1539				
	-+					

Poc	ol Ba	llard	<u> </u>	Fc	rmation		Metured	Cliffs	_County_	Sar	Juan
Ini	tial	K	_Annua	1		Spec	ial		_Date of	Test	9_9_58
Con	ipany so	isti ka l	MION .	GAS CO	MPANY	Lease	MENSO	<u> </u>	Wel	.1 No	5-B
Unit Sec											
Cas	ing 51" I	Nt15	<i>51</i> 1.	D	Se	t at	235' Pe	rf	96	То	2176
Tub	ing 1	Wt	7#_I.	D .	Se	t at	1 52 Pe	rf. 2]	.32	То	2152
Gas	Pay: From	2096	To	2176	L	x	.G			Bar.Pre	·ss12.0
Pro	ducing Thru	: Casi	.ng		Tu	bing	X	Type We	11 Sin e	le - Ge	18
Dat	e of Complet	tion: An	rust 2	5, 195	8 Packe	r <u>Yo</u>	Sin	gle-Brade Reservo	nhead-G. ir Temp	G. or G	.0. Dual
							ED DATA				
Tes	ted Through	(Durana	(C)	noke)	(Material)				Туре Тар	s	
			ow Dat				Tubing	Data	Casing D		
No.	(Prover) (Line)	(Chok	e)]		Diff.	Temp.		Temp.	Press.		Duration of Flow
	Size	Siz	' 1	psig	h _w	o _F .	psig	°F.	psig	°F∙	Hr.
SI		3/)		234		680	6h3		6113		- A days
1. 2. 3. 4.							243		23h		3 hours
<i>3</i> • 4•											
5.											
 7	Coeffici	ont 1					CULATION				Data of Elec-
No.			/ 	_	Fa		Temp. Gravity Factor		Factor		Q-MCFPD
-	(24-Hou	r) 7	/ h _w p _f		psia	F.		Fg	Fpv		@ 15.025 psia
1. 2. 3. 4.	12,3650				16	0,9921		0.9463	1.01	-	2,931
30 40											
5.											
					PRI	ESSURE C	ALCUIATI	ONS			
	Liquid Hydro					cf/bbl.					rator Gas
	ity of Liqui	-	carbor (1-	ns -e ^{-s})		deg.		Speci Pc		ty Flow P2	ing Fluid 129.02
									257	P _c	66.05
Mo	$P_{\mathbf{w}}$	P _t .	T _E O		(B 0)2	(P	0)2	ъ о	P _c -P _w ²	0.0	
No.	Pt (psia)	Pt	F _c Q	'	$(F_cQ)^2$	(1	$\begin{pmatrix} cQ \end{pmatrix}^2 \\ -e^{-s} \end{pmatrix}$	P _w 2	Pc-Pw	Ca. P.	$\frac{P_W}{P_C}$
1. 2. 3. 4.								66.05	362.97		.1539
3.											
4. 5.			+							 	
	olute Potent	ial:	•	278		MCFPD:	n	0 85	,		
COMPANY SOUTHERN WELCH GAS GOMPANY											
AGE	NT and TITLE	Dame.		arming	ton, Re	ir Mercies er					
MI:I,I	NESSED PANY										
		·				REM	ARKS				
									(EPFI)	10	
									///////////////////////////////////////	Arn,	1

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 \equiv 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
- PwI 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.
- F_t Flowing temperature correction factor.
- Fpv 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_{+} .

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