Form C-122 Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	South He	pe Stra	m Gas	_Format	ion	Cisc	.0		Count	у	Eddy	<del></del>	
Init	ialX		Amnuel_			Spec	ial		Date	of Tes	t_March	23. 2h. 190	
_						E	lope Un	it N.M.				23. 24. 19	
Comp	any Sunray	DX 011 (	Company		Lea	ase <b>S</b>	tate "	AQ"		Well N	lo	1	
	ng <b>5}" OD</b> W	14,19	5.5,	5.012,4	.950				200	VOLUEC	· vara		
Casi	ng 54" OD W	/t. <u>17.0</u>	I.D	4.892	_Set a	at 74	81	Perf <b>58</b>	370	To_	601	0	
Tubi	ng 22 3/8"W	it. 4.70	I.D.	1.995	_Set a	at <b>712</b>	2	Perf. 710	)3	To_	710h		
Gas	Pay: From_	5870	ro 604	<b>5</b> _L	The state of the s	X	:G			Bar	.Press.	13.2	
	ucing Thru:												
Date	of Complet	.ion • 3-21	ı-6lı	Pak	ker I	aker	S <b>Model</b>	ingle-Bra <b>D</b> Recer	idenhead-	G. G. m. 120	or G.O.	Dual	
,,,,,	or compres	1011.		i Cl. (	-RC /	9	7122	w/Tubing	Plug 0	71101.			
					(	DBSERV	ED DAT	A Baker	Model "H	* Pkr	<b>●</b> 5834		
l'e <b>st</b> e	ed Through	(PKKK)	A TERRE	er inco	Ţ,				Type	Taps	Flange		
		Flo	w Data				Tuhi	ng Data	Caeir	a Data	<del></del>		
$\top$	(Prover)			ss. Dii	f.	Cemp.	Pres	s. Temp		g Data • Te		Duration	
No.	(Line)	(Orific	ce)		1			1		1	`	of Flow	
	Size	Size	ps	ig h	v	°F.			psig		F.	Hr.	
SI	3*	1 250		A			1360		P			hr S.I.	
-• -	3*	1.750	27	00 21 75 29		5	1250		A C			br.	
	3**	1.750	39			5	890		K			hr.	
	3"	1.750	14			3	640		T.			hr.	
5.									1				
					हा <i>(</i>	MAT CAT	ርሚፕ ለመግ	^NC					
T	Coefficient (24-Hour) $\sqrt{\mathrm{h_{W}p_{f}}}$					CULATIONS Temp. Gravity		у Соп	Compress. Rat		e of Flow		
10.			/			Factor		Facto	r Fa	Factor		Q-MCFPD	
			hwpf	psia		$\mathtt{F_t}$		$F_{\mathbf{g}}$	F	$\mathbf{F}_{\mathbf{p}\mathbf{v}}$		@ 15.025 psia	
	2015	_   4	8.7	113.2		0.9952		0.9758		1.010		962	
2.	20.15		1.2	288.2		9952		0.9758		025	182		
c	20.15		25.1	403.2		.9952		0.9758		036		2536	
c	20,15		54.9	463.2	- 0.	9952		0.9758		042	315	3	
avit	iquid Hydro ty of Liquio	d Hydroc	arbons	Cas	cf	SURE C. bbl. deg.	ALCULAT	Spe Spe	cific Gr cific Gr <b>1373.2</b>	avity	Flowing	or Gas <u>o.631</u> Fluid	
<del></del>			<sub></sub>			<del></del>							
0.	P <sub>w</sub> Pt (psia)	$P_{\mathbf{t}}^{2}$	F <sub>c</sub> Q	(F <sub>c</sub> Q	:) <sup>2</sup>	(F (1	c <sup>Q)<sup>2</sup> -e<sup>-s</sup>)</sup>	P <sub>w</sub> 2	P <sub>c</sub> -	Pw	Cal.	₽ <b>₩</b> ₽ <b>c</b>	
	1263.2							1595.7	290.0		w_		
-	1083.2			<del>- </del>				1173-3	712.4				
•	903.2			<del>- </del>		<u> </u>		815.8	1069				
•	653.2		<del> </del>	+		<b></b>		1,26.7	11.59	-			
	Lute Potent:	ial	2800		14	י ממשט	<u>-</u>		<del></del>				
OMPA			3000 X 011 Co	MARTIN		CFPD;	11	0.74	<del></del>				
DDRE	ESS P.O.	Box 12	B. Hobbs	Nav M	exies		717	) n-					
	and TITLE	V.R.	Mayabb				11	Mari	abb		<del></del>		
TIME	ESSED	Carl R	obinsen					- uag				- 1079	
OMPA	NY	Sunra	y DX Oil	Company							<u></u>	V 5. 12	
						REM	ARKS	<del></del>	<del> </del>	RE	<del>O ·</del>	1084	

## 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
- 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.
- $F_{g}$  Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}$  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  $P_{\mathbf{t}}$ .