Revised 12-1-55

MULTI-POINT	BACK	PRESSURE	ጥድናጥ	FOR	GAS	WELLS
MODIT-LOTHI	DAGE	LUDOOUM	TENT	ron	GND	

Pool	. <u>Basin</u>			F	ormation	Dak	ota		_County	San Ju	ıan	
Init	ial_XXX	<u>-</u> -	_Annua	al		Spec	ial		_Date of	Test_ <u>l</u> :	-12-62	
Comp	any M. B	• Sudn	an		·	Lease	Federa	1	Wel	1 No	21-1	
Unit	s	ec. <u>21</u>	Twp	25	N_Rg	e. <u>9W</u>	Purcl	naser <u>E</u>	Paso Nat	ural Ga	as Comany	
Casi	ng 4-1/2" W	t. <u>10</u> ,	<u>5</u> 1.	.D	Se	t at_ 65	70Per	rf. 6366	<u> </u>	To 63	78	
Tubi	ng 2 ⁿ W	t. <u>4.</u>	<u>7_</u> I	.D	Se	t at 63	50 Per	cf		To		
Gas	Pay: From_	6358	To 6	380	L 63	69x	G0.70		<u>д</u> 58	Bar.Pre	ess. 12 psi	
Prod	ucing Thru:	Cas	ing	·	Tu	bing	YY	Type We	llSingl	le Gas		
Date	of Complet	ion:	استاسا	2	Packe	rMone	Sin	gle-Brade Reservo	nhead-G. ir Temp	G. or 0	F.O. Dual	
			4-1-0	_			ED DATA			·		
Test	ed Through	(Rran	erd (Choke)	(Meten)				Туре Тар	s		
			low Da				Tubing	Data	Casing D	ata	<u> </u>	
No.	(Prover) (Line)	(Cho	•	Press	. Diff.	Temp.	Press.	,	Press.	Temp.	Duration of Flow	
_	Size		ze	psig	h _w	°F•	psig	°F.		°F.	Hr.	
SI	<u></u>						1932		1935			
1.		3/4		205		60	211	60	543	-60	3 hrs	
2.					-					 	<u> </u>	
3.		<u> </u>			 					 -		
4. 5.					 					 	 	
	Coeffici	ent		P	ressure	Flow		Gravity			Rate of Flow	
No.	$(24-Hour)$ $\sqrt{h_W}$		√ h _w F	$\begin{array}{c c} & \text{Fac} \\ \hline p_f & \text{psia} & \end{array}$			tor Factor				Q_MCYPD @ 15.025 psia	
1. 2.	12.365			217		1,000		0 . 9258	1.027		2552	
3.												
4.									_			
<u>5. 1</u>					DD	region c	ALCUIATIO	ONS				
'aa T	iouid Umdmo	aa mham	Poti	_	110	cf/bbl.			fic Crawi	tw Sans	arator Gas	
iravi	iquid Hydro ty of Liqui		ocarbo	ons_		deg.		Speci	fic Gravi	ty Flor	wing Fluid	
'c			(l-e ⁻⁸ ∑	·····		•	^Р с—	1947	_Pc	3790+8	
	P _w								2 0			
No.	Pt (psia)	Pt	F	e ^Q	$(F_cQ)^2$	(F	$(c_e^Q)^2$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
1. 2.			-			- - 		308 _* 0	3482.8	-	0.285	
3.												
4.				1								
5.												
COMF		ial:	C 1 T)		MCFPD;	n0	.75				
ADDE	IT and TKI											
WITM	iessed	ر سنم	عمد	Mes	vuon				es	TITLE	X	
COME	PANY	mino.	etro.		rineer-				/c1	Till	<u> </u>	
	· ·	Amr40 1	J UA U.S.	ux	CA+	REM	IARKS		Lame	n	c.7	
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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 Tactual rate of flow at end of flow period at W. H. working pressure (Pw). 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_{t-} Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n _ 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 $P_{\mathbf{t}}$.