NEW MEXICO CIL CONSERVATION COMMISSION

I	Form C-122 Revised 12-1-55								
n Juan									
5/4/62									
4									
Gas Company									
6154									
	End								
	ss. <u>12.0</u>								
· G	G.O. Dual								
· · · · ·									
•	Duration								
•	of Flow Hr.								
	7 days								
	3 hours								
	Rate of Flow Q-MCFPD 0 15.025 psia								
	Q-MCFPD @ 15.025 psia								
	Q-MCFPD @ 15.025 psia								
	Q-MCFPD @ 15.025 psia								
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				MULTI	-POINT B	BACK PRES	SSURE TE	ST FOR GAS	METTS			
Pool Basin Dakota				Formation Dak					San ,	Juan		
Init	ial X		_Annua	al		Spec	cial		_Date of	Test	5/4/62	
Comp	any South	mest Pr	roduct	ion C	ompany	Lease	Holloway	Federal	wgw Wel	1 No	4	
											Company	
											154	
	•										nd	
	•										ss. <u>12.0</u>	
Proc	lucing Thru:	Cas.	111g		ru	mrug	Si	ngle-Brade	nhead-G.	G. or G	.O. Dual	
Date	e of Complet	ion:	4/2	21/62	Packe	r		Reservo	oir Temp		· · · · · · · · · · · · · · · · · · ·	
						OBSER	VED DATA					
Test	ed Through	(Dreet)	er) (Choke)	(Malacar)				Type Tap	s		
	****	F	low Da	ow Data			Tubin	g Data	Casing Data			
	(Prover)	(Cho	ke)	Press	Diff.	Temp.	Press	. Temp.	Press.	Temp.	Duration of Flow	
No.	(Line) Size	Si		psig	h _w	o _F .	psig	°F.	psig	or.	Hr.	
SI		<u> </u>				†	2021		2042		7 days	
1.		3/4	4"	359		73	359		1487		3 hours	
2.												
3.		<u> </u>	·			ļ				-		
4. 5.		 					 		··	 		
No.	Coefficient (24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		ressure psia	FLOW CALCULATION Flow Temp. Factor Ft		Gravity Factor Fg	Compress. Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia	
1. 2.	12.3650		· <u>·</u>		371	.9877		.9463			4,446	
2.									_			
3 e 4 e 5 e												
4.												
Gravi	Liquid Hydro	d Hydr	ocarb	oonsl_e_s			CALCUIAT • •	Speci Speci	ific Gravi 2054		rator Gas ring Fluid 4218.9 2247.0	
	$P_{\mathbf{W}}$	_2		_	()2	,	- 0,2	D 0	$P_c^2 - P_w^2$	Ca	, p	
No.	Pt (psia)	Pt ²	F	$^{\mathtt{Q}}$	$(F_cQ)^2$	· }	$F_{cQ}^{Q}^{2}$ 1- ϵ^{-s}	$P_{\mathbf{w}}^2$	Pc-Pw	Ga F	P _W P _C	
	17 (hera)				 		/	2247.0	1971.9	, -	.729	
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3.												
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Abso	olute Potent							.75				
	PANY RESS				eduction			w Marias				
	NT and TITLE				ib Plaza, Ffman, Pr			<u>w Mexico</u> er	/ari	111		
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	PANY								Value	11		
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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.
- 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.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{+}}$.