Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Tapacito Pi	otured (	nicte	Formation_	Piet:	wed Cliff	<u>te</u>	County Ri	o Arri	ba
Init	ial 🕱	A1	nnual		Spec	ial		Date of T	est_9-	26-64
Comp	any Souther	n Union	Product:	ion Co. I	.ease	Jicarille	<u> </u>	Well	No	8-0
Unit	K Se	ec. <u>32</u>	Twp. 26	Rge	. <u>3-8</u>	Purch	aser_Sou	thern Uni	on Ges	Company
Casi	ng 4-1/2" W	9.50	_I.D4	.090 Set	at 397	Per	1. 3912		ro_394	<u> </u>
	ng <b>1-1/2</b> W						,			
										88. 12.0
										.O. Dual
Date	of Complet	ion: 9	-19-64	Packe	r	Sing	le-Brade: _Reservo:	nhe <b>sd-</b> G. ( ir <b>Tem</b> p	i. or G	.0. Mai
<b>540</b> 0				<del></del>	;	ED DATA	_			
m+	ad Mhmanah	/EEREKE	) (Choke	BULLINE (				Туре Тар	<b>S</b>	
Tested Through (Phoke) (Choke) Flow Data						I Muhiya Data   Casing			Deta	
$\overline{}$		(Choke	) Pres	s. Diff.	Temp.			Press.	Temp.	Duration of Flow
No.	(Line) Size	(Orific Size		g h <sub>w</sub>	o <sub>F</sub> .	p <b>sig</b>	o <sub>F</sub> .		°F.	Hr.
SI	7*	3/1/=	78		57	775 78	57	1775		7 days
1. 2.		3/4					1.		- 77 - 23	
3. 4.										
4. 5.		L				<b></b>				
FLOW CALCULATIONS  Coefficient Pressure Flow Temp. Gravity Co.									press. Rate of Flow	
No.					Factor F <sub>t</sub>		Factor   Fact		or Q-MCFPD • 15.025 psia	
1.	(24-Hour)		h <sub>w</sub> p <sub>f</sub>	90	1,0029		.9608	pv		10/2
2 <b>.</b> 3.										
4. 5.					` .					
Grav	Liquid Hydro ity of Liqui	id Hydro	carbons_			Calcuiati • • –	Speci	ific Gravi	ity Sepaity Flog	arator Gas wing Fluid
.,	$P_{\mathbf{w}}$	P <sub>t</sub> <sup>2</sup>	E O	(F <sub>c</sub> Q)	2 (	F <sub>c</sub> Q) <sup>2</sup>	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	С	al. Pw
No.	Pt (psia)	rt	F <sub>c</sub> Q	(1°C4)		1-6 -1	253009	366360		Pw Pc
1. 2.							<i></i>			
3. 4.										O HAN
5.			- (2-			. n .8	<u> </u>	<u> </u>		
COM ADI AGE WIT COM	PRESS PENT and TITLE TRESSED PANY (3) - New	outhern O. Box E Vern Mexico	608 - F Rockho	ervation	New Managineer	oriso		Griginal Signed VERNE ROCK	HOLD	SEP 0 .34
00 00 00 00 00	o: (1) Mr. o: Mr. Bob o: (1) Mr. B o: Mr. Rudy	Paul Clo McGrarry ob Corli Motto - Hickman	ce - Prod. - Prod. ss - Gas Gas Co - Gas Co	. Go Da	llas Llas					

## 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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- 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  $P_{\mathbf{t}}$ .