Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo	BASIN DA	AKOTA		_Formation	DAKO	:A		_County	san ju	AN	
Ini	Initial X Annual				Special						
Company Tenneco Oil Company Lease San Juan Gravel Unit Well No. 1											
Unit Sec. 2 / Twp. 29 Rge. 13 Purchaser											
Casing 4.5 Wt. I.D. Set at Perf. 5632 To 5752											
Tubing 2-3/8 Wt. I.D. Set at 5604 Perf. To											
Gas Pay: From To L xG 0.65 -GL Bar.Press.									12.0		
Producing Thru: Casing Tubing X Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual											
Date of Completion: Packer Reservoir Temp. 160											
OBSERVED DATA											
Tested Through (Prever) (Choke) (Meser) Type Taps											
Flow Data					Tubing Data			Casing Data			
	(Prover)			ss. Diff.	Temp.		<u> </u>			Duration	
No.	(Line) Size	(Orifice Size	ps:	ig h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	Į.	of Flow Hr.	
SI		<del> </del>				1210		1204			
1.		3/4				661	85	1165		3 Heurs	
2 <b>.</b>										<del>  _ ·</del>	
4.		<del> </del>									
5.											
FLOW CALCULATIONS											
	Coefficient Pr			Pressure	ressure Flow Temp. Grav						
No.						tor Factor				Q-MCFPD	
			$^{\mathrm{h}_{\mathbf{W}}\mathrm{p}_{\mathbf{f}}}$	psia	Ft		Fg			@ 15.025 psia	
1.	12.3650			673	9.976	×	0.5508	1.09	7	8255	
2 <b>.</b> 3.							<del>,</del>			<del></del>	
4.		<del></del>									
5.											
PRESSURE CALCULATIONS											
	Liquid H <del>y</del> dro				cf/bbl. deg.					arator Gas	
							Speci	fic Gravi	fic Gravity Flowing Fluid 1222 p2 1493264		
$P_{c}$ $P_{c$											
	$P_{\mathbf{w}}$	2			_	.2		2 2			
No.	D ()	P <sub>t</sub> <sup>2</sup>	$F_c^Q$	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_{w}^2$	$P_c^2 - P_w^2$	Ca	al. P.	
1.	Pt (psia)			_		-6 -)	385329	107955	1	The Contract of the Contract o	
2.	**!1						, NJ 12-3	1013))	/	(LU////\)	
3.									1 4	N3 (0)	
4. 5.				<del>- </del>					HOV C	196-	
Absolute Potential: 50,943 MCFPD: n 0.75 (6.1712) COMPANY Tenneco Corp., acting by & thru its managing agent, Tenneco 011 Campany 3											
ADDRESS P. O. Box 1714, Durence Coloredo											
AGENT and TITLE //O//WWWL. B. Plumb, District Petroleum Engineer WITNESSED											
COMPANY											
REMARKS											

## 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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- P<sub>c</sub>= 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .

