					F.	9900
MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS

Poo	l Jalmat	Formation Yetes County Loa 13							14				
					Special XX								
Unit J Sec. 36 Twp. 23 Rge. 36 Purchaser R Pasc Natural Gas Company													
Casing 7 ⁿ Wt. 23.0 # I.D. Set at 3400 Perf. To													
Tubing 2" Wt. 4.7# I.D. Set at 34261 Perf. To													
Gas Pay: From 2885: To 30401 L 2900 xG 0.655 GL 1900 Bar. Press. 13.2													
Producing Thru: Casing XX Tubing Type Well G. O. Dual Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 9-1-1948 Packer 3126 Reservoir Temp.													
							ED DAT.			• -			
Test	ted Through	(AP) (AP)	verx)x x(x	inoke)	(Meter)		ED DAT	n.		Type Tar	os		
			Flow Da	ita		Tubing Data			Casing Data				
No.	Prover (Line)	xxxCh (Ori	oke fice)	Press.	Diff.	Temp.	Pres	s.	Temp.	Press.		II.	Duration of Flow
	Size		ize	psig	hw	° _F .	psi	g	o _F .	psig	[⊃] F∙		Hr.
SI l.		3 00		40#	0) 50					360			2
2.	+	1.000			20.70 33.64	92				<u> </u>	 	3	
3.		1.00			50./1	9 <u>1</u> 88		-+		<u> 780 </u>	<u> </u>	2/	
4.	1.	1.00			75.69	83				<u>753</u>	 	2/	
4. 5.		1		110	17.07			\dashv		720	 -	21	
No.	FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow												
	(24-Hou	ır)	√ h _w p				tor Factor F _g		Factor F _{pv}		@ 15.025 psia		
1. 2. 3. 4.	6,135		130.1	3	0.970				1,072		790		
2.	6.135		163.1			0.9715			571	1.069		994	
3.	6.135		196.1			0.97/1		0.9571		1.070		201	
4.	6.135		234.9			0.97/1		0.9577		1.064		1.430	
Gas L Gravi	iquid Hydro ty of Liqui 0.740	d Hydr	ocarbo			essure carefolder cf/bbl.		'IONS	Speci:	fic Gravi fic Gravi 73.2	ty_Flow	ing F	Gas <u>0.655</u> luid
	$P_{\mathbf{w}}$						2			2 0			
No.	Pt (psia)	Pt	Fc	7	$(F_cQ)^2$	(F ₀	$(F_cQ)^2$ $(1-e^{-s})$		P _w 2	$P_c^2 - P_w^2$	Ca P	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
1. 2.	819.2	671.			0.35	0.0	0.043		1.1	22.4			
۷٠	793.2	627.			0.55	0.0	68	629.3		133.2 175.3			
2.1	_765.2	587			0.79	0.0	97		7.2		 		
3. 4. 5.	733.2	537.	6-1-6	16	1.12		38	_53	7.7	234.8	 		
Abso COMP ADDRI AGEN	lute Potent: ANY Skelly ESS Box 38 T and TITLE	Oil	Company	r	10	MCFPD;	n_ Q.	679					
M T T.I/I	ESSED												

DEMVDRG

COMPANY

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.
- Pc 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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 $P_{\rm t}$.