NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool So Blanco				Fo	Formation Pictured Cliffs				CountySan Juan			
Initial XX Annual					Special							
					Corp. Lease San Juan 27-8							
Unit I Sec. 14 Twp. 27N Rge. 8W Purchaser Not connected												
Casin	ng 5" V	Wt1	1.5 I.	.D.,	Se	t at 30	53 Pe	rf	2913	To2	974	
Tubin	ng 1 k" V	Wt	2.3 I.	.D.,	Se	t at 293	4.68 Pe	rf		То		
Gas Pay: From 2913 To 2974 L xG .650 -GL Bar.Press. 12												
Produ	cing Thru	: Cas	sing		Tu	bing	X	Type We	ell Sing	gle		
Date	of Complet	tion:_	7-16-	57	Packe	r No	Sin	gle-Brade Reservo	enhead-G. oir Temp	G. or 0	.0. Dual	
							ED DATA					
Teste	d Through	Pro	er) (c	Choke)	(Meler?)	SI 7 da	ıy s		Type Tap	s		
		F	low Da	ta		T	Tubing	Data	Casing D	ata	1	
No.	(Prover) (Line)			Press.	Diff.	Temp.			Press.	Temp.	of Flow	
	Size	II .		psig	h _w	°F•	psig	°F.		°F•	Hr.	
SI		 					866	50	866		SI 3 hrs	
1. 2.		 	3/4	153		50	153	30	710		3 HEB	
3.		†										
4. 5.												
<u> </u>		 							<u> </u>		<u> </u>	
	Coeffici	ent		Da		FLOW CALC			Company		Rate of Flow	
No.	$(24-Hour)$ $\sqrt{h_w p_f}$				Fact	Flow Temp. Factor		Factor				
			$\sqrt{h_{w}p_{f}}$						Fpv			
1.	12.3650		1		65	1.0098		.9608	1.016		2011	
2 . 3.								···-	- / - '	1		
4. 5.									1.3.	7		
5.									-		<u></u>	
	quid Hydro					essure ca	ALCU ATIO	Speci	fic Grave		rator Gas	
ravity of Liquid Hydrocarbons_ c(1-e ^{-S}				_e _s	deg. Sr			Speci P_ 8	ecific Gravity Flowing Fluid			
C								- c—		c		
No.	P _w	$P_{\mathbf{t}}^{2}$	Fc	Q	$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P _w 2	P _c -P _w ²	Ca	1. Pw Fc	
								521.3	249.6		3.09	
1. 2.												
4.												
5.												
	ute Potent	ial:_		246		MCFPD;	n85/	2.6089				
COMPANY Pacific Northwest Pipeline Corp. ADDRESS 4954 W. Broadway, Farmington, N.M.												
AGENT	and TITLE	C. R.	Wagn	er, Wel	1 Test	Ingineer						
WITNE:												
COMPA	IA T					REMA	RKS					
						- 	-					

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c 2 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}^-$ 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.
- $h_{\mathbf{W}^{\perp}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\rm t}$.

DRILLING DEPARTMENT

			COMPANY	Northwest Production Corp.					
					V-8 WELL NO.				
SHUT IN PRESSURE SIZE BLOW NIPPLE		G 866 CASING _		TEST					
			WORKING PRE	SSURES FROM	Casing				
TIME HOURS MINUTES	CHOKE PRESSURE	Q (MCFD) 15.025 PSIA & 60°F	WELLHEA PRESSUR	D WORKING E (PSIG)	ТЕМР				
34.5 41.5 50	160 160 163			747 743 739	48 48 48				
	159 158			735 731	48 49 49				
	157 157			728 725	49				
<u>2</u> <u>5</u> <u>30</u>	<u>156</u>			723 714	<u>49</u> 50				
3 0	<u>153</u>			710	50				
START AT:	10:25 AM	E	END TEST AT	1:25 PM	-				
		H ₂ 0 throughout tes				N			

			Дестер ру.	C. R. Wagne	ar				
			WITNESS:						