NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	l <u>Hla</u>	nco		Formation	ı Me	sa Verde		County	San Ju		
Init	cialx	×/	Annual		Spec	cial		Date of	Test_	1-2-58	
	any PACIFI										
Unit Sec13 Twp32N Rge9W Purchaser Not connected Casing5_3" Wt I.D Set at 6288' Perf 5718' To 6228'											
Tubing 2-3/8" Wt. 4.7 I.D. Set at 6216' Perf. To											
Gas Pay: From 5778' To 6228' L xG .650 -GL Bar. Press. 12											
Producing Thru: Casing Tubing X Type Well Single Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 12-20-57 Packer Reservoir Temp.											
				raone			neserve	ori iemb∙"			
Test	ed Through	Prever	(Chok	e) (Meter)		ED DATA		Type Tap	s		
Tested Through (Choke) (Choke)					Tubing Data			Casing Data			
No.	(Prover) (Line)	(Choke) Pre	ss. Diff.	Temp.		Temp.			Duration	
	Size	(Orific Size	ps	ig h _w	o _F .	psig	o _F .	psig	[⊃] F•	of Flow Hr.	
SI 1.		3/4"	15		63 0	1080		1080			
2.		3/4	1.3	3	0.5*	153	63	462		3 hours	
3. 4.		 									
5.								<u> </u>			
						OUT A STORY		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
$\neg \vdash$	Coeffici	ent		Pressure	FLOW CALCULATION Pressure Flow Temp.			ONS Gravity Compress. Rate of Flow			
No.	(24-Hour) 7/h,p		<i>-</i>		Factor		Factor	Factor		Q-MCFPD	
-		$\sqrt{h_{\rm w}p_{\rm f}}$		psia	F ₁		Fg	Fpv		@ 15.025 psia	
1. 2. 3. 4.	12.3650			165	•997-	<u> </u>	.9608	1.0	15	1984	
<u>3</u> .											
4.											
PRESSURE CALCULATIONS											
as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid											
c(1-e^-s)					deg. Spe			ific Gravity Flowing Fluid			
							(- (<u> </u>	
	$P_{\mathbf{w}}$	2 1	· ·		1		474		1		
No.	Pt (psia)	$P_{\mathbf{t}}^2$	$\mathtt{F_{c}^{Q}}$	$(F_cQ)^2$	(F	$(Q)^2$ (e^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	1 W	
1.	I ((pola)				(1-		24.7	967.8	P.	w Pc 1.23	
2.								70100		1.52	
1. 2. 3. 4.				 					ļ <u></u>		
5.				 -							
Abso]	ute Potenti	ial: 231	 7		MCFPD;	n .7	5/ 1.167	<u> </u>	/		
COMPANY PACIFIC NORTHWEST PIFELINE CORPORATION ADDRESS 405 West Broadway, Farmington, New Mexico											
AGEN'I	and TITLE	C. R. 1	izmer -	. Well The	: Rootne) hr			A COURSE OF THE PARTY OF THE PA	<u> </u>	
MITIME	POOFT LEAD	E M. CLA	CK					, a partie and the	6		
COMPANY R1 Page Natrual Gas Company REMARKS											
					والمرابطين ا					•	

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
- P_{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
- P_f 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 $P_{\rm t}$.

SELVAGER CO**mmis**s Teo order a office