3 - N.M.O.C.C.
1 - Fowler - E.P.N.GNEW MEXICO OIL CONSERVATION COMMISSION
1 - Galloway - E.P.N.G. - Farm.
1 - Cutler

Form C-122

	1 - File	9	M	MULTI-	-POINT B	ACK PRES	SURE TES	T FOR GAS	WELLS		Revised 12-1-55
Poo!	l Blanc	<b>&gt;</b> 0	ç <u>i</u>	Fc	rmation	Dal	cota		_County	Rio A	rriba
Ini	tialX	X.	Annual			Spec	ial		_Date of '	Test	6-22-59
Company Pacific Northwest Pipeline Lease San Juan 28-5 Well No. 33-17											
Unit L Sec. 17 Twp. 28N Rge. 5W Purchaser Not Connected 5" T.D. 8165											
Cas	5" T.) ing 5   1	0. 8165 Wt. <u>15</u>	#_I.D	4	<i>5</i> Se	t at 81	L <b>65</b> Pe	rf789	95	Го	8041
Tubing 2 3/8 Wt. 4.7# I.D. 1.995 Set at 7925 Perf. 7922 To 7925											
Gas Pay: From 7895 To 8041 L 7895 xG .650est -GL 5132 Bar. Press. 12.0											
Froducing Thru: Casing Tubing Dakota Type Well Dual - G.G.											
Date of Completion: 6-9-59 Packer 7545 Reservoir Temp.											
OBSERVED DATA											
Tested Through (Choke) (Choke) (Choke) Type Taps											
Flow Data Tubing Data Casing Data											T
$\overline{}$	(Prover)	(Chok	e) F		Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration
No.	(Line) Size	(Orifi Siz		psig	h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	<sup>⊃</sup> F•	of Flow Hr.
SI		<del> </del>			· · · · ·		2699		1076 M.		
1. 2. 3.		3/4 43		438	8 7.		438		-		3 Hours
3.		+									
<u>4.</u> 5.								<del> </del>			
2•!					L			ــــــــــــــــــــــــــــــــــــــ	L	L	<u> </u>
	Coeffic	ent		T <sub>P</sub>		FLOW CAL		S Gravity	Compre	55.	Rate of Flow
No.	_		/ hwpf			Factor F <sub>t</sub>		Factor Fg	Factor		
1.	12.3650		, W. I	450				.96 <b>0</b> 8	1.043 55		5518
1. 2. 3. 4.											
<del>2</del> :				_							
5.											
					PR	ESSURE C	ALCU ATI	ONS			
las I	Liquid Hydro	oca rbon	Ratio			cf/bbl.		Speci	fic Gravi	ty Sepa	arator Gas
Gravi	ity of Liqu	id Hydro	carbon	ıs_		deg.		Speci	fic Gravi	ty Flow	ving Fluid
Fc 9.402 (1-e <sup>-s</sup> ) 311 Pc 2711 Pc 7349.52											
			_ <del>_</del>			<del></del> -	<del></del>		Υ	<del></del>	
No.	$P_{\mathbf{W}}$	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q		$(F_cQ)^2$	(F	$(cQ)^2$	$P_w^2$	$P_c^2 - P_w^2$	Ca	al. Pw
	Pt (psia)	- t				(T	-e J			I	Pw Pc
1.	450	202.500	51.88		2692	837		039.5	6310	<del> </del>	1.1647
3.											
<u>4.</u> 5.		ļ	<del> </del>							<del></del>	
	olute Poten		618	<del></del>		MCEDD.	n •	75/1.12	13		
COM	PANY	Pacific	Nor	thwe	st Pipe	line Co	orporat	ion			
ADDRESS 418 West Broadway - Farmington, New Mexico											
AGENT and TITLE C. R. Wagner - Well Test Engineer WITNESSED Fred Cook - W. B. Smith - S. V. Roberts											
COM	PANY	N.M.O.	C.C.	-Ph	illips	P	<b>E.P.N.C</b> ARKS	t <u> </u>	18	بنبه	
	Dak	ota Te	3 <b>6</b>			LUM			/01	1.1.5	
									1,5	$t_{z}$ .	
										اسدگد.	
									(A)	11 - X	

## 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<sub>w</sub>). 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
- $P_{t-}$  Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\small I}$  Differential meter pressure, inches water.
- FgI Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_{+}$ .

Cyclic Six A