# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pao	ol wil	deat						fs		Rio A	rriba		
	Initial X Annual												
Company Northwest Production Corp. Lease													
Unit B Sec. 31 Two 26N Rge. 4W Purchaser Not connected													
	ing <b>5</b>										3252		
Tubing       1k       Wt. 2.3       I.D.       Set at 3227       Perf.       To         Gas Pay:       From 3206       To       3252       L       xG       .650       -GL       Bar.Press.													
Date	ducing Thru e of Comple	tion•	0,		Packer	·	Sir	ngle-Brade	enhead-G.	G. or (	G.O. Dual		
Day	e or compre	01011;			Facke			neservo	oir remp.		-		
Test	ted Through	<u>[४४४४४</u>	<b>4</b> ) (Cho	ke)	<u>(M4444)</u>		ED DATA		Type Tap	s			
			ow Data				Tubing	Data	Casing D	ata	T		
No.	(Prover) (Line) Size	Laftad)/	ddy	İ	ļ	•		Temp.			Duration of Flow		
SI	SIZE	512	e p	sig	h <sub>w</sub>			°F.	psig	F.			
1.		3/4					1056 186	50	1056 852		SI 3 hra		
2 <b>.</b> 3•													
4.										<u> </u>			
5 <b>.</b> l	······································								<u> </u>	<u></u>			
	Cooffia	iont		Tp		LOW CAL			10		77.1		
No.		Coefficient		Pressure		Flow Temp. Factor		Factor	Factor		Q-MCFPD		
<del>-</del>	(24-Hour)												
1. 2.	12,3650		1		98	1.0098		0.9608	608 1.02		2,423		
3° 4° 5°													
5.													
ravi	Liquid Hydro ty of Liqui			-51		CSSURE CA	ALCULATI	Speci Speci	fic Gravi	ty Flow	rator Gas		
c	<del></del>		(1-e					Pc_10	68	Pc 1140	0.6		
No.	P <sub>w</sub>	Pt <sup>2</sup>	F <sub>c</sub> Q		$(F_cQ)^2$	(F <sub>0</sub>	cQ) <sup>2</sup> -e-s)	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>		P <sub>W</sub> P <sub>C</sub>		
1. 2.								46.5	394.1	-	2.894		
3.										-			
3. 4. 5.										1			
Abso COMF		Pacific	Northwe	at P	inel ine	Corp	n85/	2.467					
	ESST and TITLE	4054 No. 3	Broadwa	y. F	armineto	on. New	Maxico			7.			
MITN	ESSED	- NO NO N				AND THE COLUMN			17				
COMP	'ANY					REMA	ARKS		100	***			
							<del></del>						

#### 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  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- $P_c$  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.
- $F_g$ : Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}$  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  $P_{\mathbf{t}}$ .

### DRILLING DEPARTMENT

				COMPANY	Northwest	Production Corp.		
				LEASE	"C"	WELL N	ю. <u>10-3</u>	
				DATE OF	TEST 8-26-5	57		
SHUT 1	IN PRESSURE	E (PSIG): TUBI	NG 1056 CASING	<b>1056</b> S.	I. PERIOD _	7	DAYS	
SIZE E	LOW NIPPLE	3/4" Cho	ke T - C					
FLOW 1	HROUGH	Tub	ing	WORKING PRES	SSURES FROM	Casing		
	IME MINUTES	CHOKE PRESSURE	Q (MCFD) 15.025 PSIA & 60°F (B.M. Freexing)	WELLHEAI PRESSURI	O WORKING E (PSIG)	<u>TEMP</u>		
	34.5 41.5 50	237 231 231	Change Choke (T-C)	95	33	<u>49</u> 49		
	0 12 26.5			93	12 22 2	<u>47</u> <u>47</u> <u>48</u> 48		
		213 203 190			)6 31			
		186		85		_50_		
START	AT:	11:00 AM	E	ND TEST AT	2:00 PM			
REMARK	S:	Very light for	of H <sub>2</sub> O		····		····	
				TESTED BY:	C. R. Was	m <b>er</b>		
				WITNESS.			_	

OR CARSERVAN COMMISSION

PARTED DISCHALLOFFICE

PARTER Remains

TRAMBOTER .....