# NEW MEXICO OIL CONSERVATION COMMISSION

# MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

Pool	L	1 miles		_Formation	Pic Pic	ctured Cl	itts	County_	io apri	ba.	
Initial Annual S		Spec	pecialD			Date of Test 12-20-57					
Comp	any <b>Worth</b>	est Produ	etion C	eorp.	Lease	'X'		Wel	1 No. 1	1-7	
Unit	, <u>D</u> s	ec7_	Twp. 20	Rg Rg	ge <b>4</b>	Purcl	haser	Not come	cted		
	ng <b>5-1/3</b> W									1	
	ng1-1/4 W										
										ess.	
Data	lucing Thru:	12-1	5 1 <b>3-6</b> 7	On also	. Io	Sing	gle-Brade	enhead-G.	G. or C	.O. Dual	
Date	e of Combrer	10n:		Packe			neservo	orr lemb.			
						ED DATA					
Test	ed Through	<b>Elektry</b>	) (Choke	) ( <b>30001</b> )				Type Tap	) S		
	(Prover)		w Data	ss. Diff.	Temp.	Tubing	Data Temp.	Casing D		Duration	
No.	(Line)	CPECEU	•)							of Flow	
	Size	Size	ps	ig h <sub>w</sub>	°F.	psig	°F.	psig	F.	<del></del>	
SI 1.	<del></del>	<u> </u>	<del> </del>			1032		1033	<del> </del>	81	
2.											
3.		3/4				41	51	397	<del>                                     </del>	3 hrs	
<u>4.</u> 5.					ļ			<del> </del>	<del> </del>	<del> </del>	
<u> </u>		L			EL ON CAL	CUT A STONE	<u> </u>	<del></del>			
	Coeffici	ent.		Pressure		CULATIONS Temp.		Compre	ss.	Rate of Flow	
No.	00011101		,				Factor	Facto	or	Q-MCFPD	
	(24-Hou	r)   $$	$h_{\mathbf{W}} p_{\mathbf{f}}$	psia	F	t	Fg	Fpv		@ 15.025 psia	
1.											
2. 3.	12,3650			53	1.00	18	,9606	1.0	11	642	
4.											
5.											
	,			PR	RESSURE C	ALCUIATIO	ONS				
	iquid Hydro				cf/bbl.					arator Gas	
	ty of Liqui	-		31	deg.		Spec	ific Gravi <b>1045</b>	ty Flov P2	ving Fluid <b>1092.6</b>	
c			( <sub>T</sub> -e			-	' c——		· c		
	$P_{\mathbf{W}}$	2	<del></del>	T	,	.2		2 2			
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	$^{ extsf{F}_{ extbf{c}} extsf{Q}}$	$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$	$P_c^2 - P_w^2$	Ca	Pw Pc	
1.+	It (psia)							<del> </del>	+	W C	
1. 2.											
3.	409						167.3	984,7	<del></del>	1.161	
<u>4.</u> 5.				+					<del>                                     </del>		
	lute Potent	ial:	739	<del></del>	MCFPD;	n	ARRACTES.	ER .85/1.	15183		
	PANY	thwest Fr	reductio	n Corpora	tios						
ADDR	ESS IT and TITLE	AOFEA VI	Gilber	FRYMING TO	Drie. En	CARGO					
	rr and title IESSED			· • · · · · · · · · · · · · · · · · · ·						<u> </u>	
	PANY										
					REM	ARKS		160	President	51	

### 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 600 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize }$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $F_{t}$  Flowing temperature correction factor.
- $F_{DV}$  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  $P_{\mathbf{t}}$ .

p 1871 at 1

### DRILLING DEPARTMENT

			COMPANY	Northwest Pr	oduction Corp	·
			LEASE _	" N"	WELL NO	). <u>11-7</u>
			DATE OF	TEST Dec.	20, 1957	
SHUT IN PRESSURE	E (PSIG): TUBING	G 1032 CAS				DAY
SIZE BLOW NIPPLE	E					
FLOW THROUGH	3/4" T.C. Cho	ake	WORKING PR	ESSURES FROM _	Casing	
TIME HOURS MINUTES	<b>CK</b> PRESSURE	Q (MCFD) 15.025 PSIA &	WELLHE	AD WORKING RE (PSIG)	<u>TEMP</u>	
3 0	41			397	51	
					<del></del>	
					<del></del>	
START AT:	11:10 AM		END TEST AT	2:10 PM		
REMARKS:						
	*					
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			MITNESS.			-

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