NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

			М	ЛТI-	POINT BA	ACK PRES	sure Tes	runor ccas	MELLS E	M	Revised 12-1-55	
Pool		Europt										
Init	ial	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_Annual			Spec	ial X		_Date of	Test_6-	9/6-13, 1958	
Compa	any	Shell 0	il Comp	MY.		Lease	evenian	State	We]	1 No	1	
											s Company	
											3620	
	ng 2 1/2											
											ss. <u>13.2</u>	
Producing Thru: Casing X Tubing Type Well G.O. Duml Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion: 9-2-53					Packe	r 3710	Sin	Single-Bradenhead-G Reservoir Temp		G. or G.O. Dual		
2400	01 00mp=-		· · · · · · · · · · · · · · · · · · ·						ne tempor			
most.	ed Through		ers) (22	Kee )	(Meter)						lge.	
rest	ed Inrough				(Medel)		Tubing	Doto	Casing			
	(interi	(5%)	low Dat	ress.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
No.	`(Line) Size								psig			
SI					10.24				946/948/9 378	*6	24/48/72	
1. 2.		1.750				72			350		3	
3.	4"		0		31.36	75			326	<del> </del>	3	
4. 5.	4	1.75	0	<u>539</u>	43.56	68		<del> </del>	304		24	
	0884			T <sub>D</sub> ,	ressure		CULATION Temp.	IS Gravity	.   Compr	ess.	Rate of Flow	
No.	Coefficient (24-Hour)		√ h <sub>w</sub> pf			Fac	tor	Factor F <sub>g</sub>		or	Q-MCFPD @ 15.025 psia	
<del></del>	19.27		76.27		psia 65.2	0.9990		0.9571		>56	1464	
2.	19.27			109.54		0.9007		0.9571		)57	2111	
3。	19.27		132.9	9 :	64.2	0.9909		0.9571		257	2569	
1. 2. 3. 4.	19.27		155.0	7   2	<b>52.2</b>	0.9924	·	0.9571		755	2994	
Gas I	iquid Hydi ty of Liqu	rocarbor uid Hydi	n Ratio_ rocarbon (1-	is e=s)(	JKJ.	cf/bbl.deg.		Snec	ific Grav ific Grav <b>961.2</b>	ity Sepa ity Flov p2	arator Gas <u>.655</u> wing Fluid <b>923.9</b>	
No.	$P_{W}$	P	F <sub>c</sub> Q		(F <sub>c</sub> Q) <sup>2</sup>	2 (1	$(c_0)^2$	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	Ca	al. Pw	
	Pt (psia	)		- 1	1.61	1 (-	1-e-s)	794.4	129.5	891.	P. P	
1. 2.	963.2	749.			3.35		43	745.5	173.4	363		
3.	839.2	704	3 2.2		4.93	0.	.64	704.9	219.0	839.	6 87.3	
4.	817.2	667.8	2.5	9	6.71	0.	.87	663.7	255.2	817.	7 05.1	
5.					<del></del>							
	olute Pote	ntial:	9.77	000	<del></del>	MCFPD	; n	-97	<del></del>			
ADDE	PANY	Box 8	US. NO.		. IN A	<b>2100</b>						
ACEN	RESS	LE A. L	ELLET	- 0	is thete	ar .						
WITM	VESSED	K. A.										
COM	PANY	ELR		TO.	JAA Comp		MARKS					

ILLEGIBLE

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 600 F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- Pw 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.
- $F_t$  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  $P_{\mathbf{t}}$ .