## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT PACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Eumont		Formation Queen						CountyLea			
Initial Annual Special Date of Test8-26/8-30-5										6/8-30-57		
company Continental Oil (			Oil Com	ompany Lease State J-2				Well No9				
										as Company		
asin	1g5 1/2 V	vt. 17	_I.D.4.8	<b>92</b> Se	t at	<b>712</b> Pe:	rf. 343	2	ro <u>37</u>	745		
	1g <b>2 3/8</b> V							/				
										ss. 13.2		
ate	cing Thru: of Complet	ion: <b>2</b> -	-23-57	Packe	r 3650	Śin	gle-Brade Reservo	nhead-G. (	3. or G.	O. Dual		
				and the same		ED DATA						
est e	d Through	(2Dan	à (Bheire)	(Matan)		DD DAIR		Time Tan	. 103			
Tested Through (Choke) (Meter)  Type Taps Flange  Flow Data  Tubing Data  Casing Data										ige		
Т	(KREEK)	(Risorbe	) Press	. Diff.	Temp.			Casing Da		Duration		
۰.	(Line) Size	(Orific Size	- 1	h <sub>w</sub>	Op	psig	o <sub>r</sub>		°F.	of Flow Hr.		
$\frac{1}{1}$	pize	PIZE	bsig	W	Γ•	barg			F.	<del></del>		
.	411	1.250	565	9.6	88			1244 1196		72 24		
$\cdot \sqcap$	411	1.250	576	14.44	84			1176		24		
•	4"	1.250	582	26.0				1133		24		
	7 <sub>H</sub>	1.250	584	34.8	77			1087		24		
					FLOW CAL	CULATIONS	5					
	Coeffici	cient			Flow '			Compress. R				
0.	Flg.	(r)	h na	nsia	Fact	tor	Factor F	Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia		
. (			53	P 2 ± 3	.9741		9325	1.057		690		
$\cdot$			.22		9777		9325	1.058		857		
. 6			.40		.9822		9325	1.064		1170		
. (	144.16		16	9840			.9325 1.06		4 1360			
s Li	quid Hydro				cf/bbl.	ALCULATIO	Speci			rator Gas <u>.690</u>		
	y of Liqui <b>1.812</b> _	d nydroca	(1-e <sup>-5</sup> )	0.150	deg.			ific Gravity Flowing Fluid 57.2 Pc_1580.6				
			(				- C#22	<u>/</u>	C			
0.	P <sub>w</sub>	Pt <sup>2</sup>	F <sub>c</sub> Q	$(F_cQ)^2$	(F <sub>1</sub>	cQ) <sup>2</sup> -e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal P <sub>w</sub>	P <sub>W</sub> P <sub>C</sub>		
	209.2	1462.2	1.25	1.56			462.4	118.2	1209.3	96.18		
	189.2 146.2	1414.2 1313.8	1.55 2.12	2.40	- 36		414.6	166.0 266.1	1189.4			
. 1	00.2	1210.4	2.50	4.50	- 70	i	$\frac{314.5}{211.3}$	369.3	1100.6			
•	00.2											
	ute Porent				MCFPD;	n61	7	<u> </u>				
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GENT	and TITLE	181	and a	COALUU								
ITNE	SSED	7										
OMPA	NY				DESC	ADVC						
					KEM	ARKS						

## 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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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
- $P_{f}$  Meter pressure, psia.
- $h_{\mbox{w}}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_{t}$  Flowing temperature correction factor.
- $F_{pv}$  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  $P_{\rm t}$ .