NEW MEXICO OIL CONSERVATION COMMISSION

			MUL	TI-POINT	BACK PRE	SSURE TES	ST FOR GA	S WELLS		Revised 12-1-55	
Pool	Eumont			_FormationQueen				County	Lea		
										5-3 to 5-10-63	
				<u> </u>							
										ss Company	
Casing 7" Wt. 20.04 I.D.				6.456 Set at 3741		<u>41 Pe</u>	Perf. 3075		То	3555	
				. .441 Se							
				5 <u>L</u> 3							
Producing Thru: Casing											
						ED DATA	*Oil zo	ne tempor	arily at	pandoned.	
Tested Th	rough	(Prosteries	r) (Chalo) (Meter)				Two Tan	s 171.00		
Tested Through (Property) (Reter) Flow Data Tubing I							Type Taps Fige.				
		(Ohnin) Pres	s. Diff.	Temp.		Temp.			Duration	
	ine) ize	(Orifi Size	ce) e psi	h.	° _F .	psig	° _F .	psig	. म ^c	of Flow Hr.	
SI								646	···	72	
1. 4		1.000		4.41	70			513		24	
2. <u>4</u> 3. <u>4</u>		1.00						496		24	
		_1.000			72			473	L	24	
4. 4 5. 4		1.000	428	44.89	73		<u> </u>	435	┼───┤	24	
No. (2	Coefficient (24-Hour)		/ hwpf	P ress ure psia	psia Fact		S Gravity Factor Fg	Compre Facto Fpv	r	Rate of Flow Q-MCFPD @ 15.025 psia	
	<u>6.135</u> 6.135		19.41	352.2	.9905	and the second se	.9470	1,03			
	6.135		3.66	367.2	367.2					319.3	
+• 6	6.135		0.73	441.2	.9877		.9470	1.03		<u>534.0</u> 842.3	
	Liquid	Hydroc	arbons	Dry			Speci Speci	fic Gravi fic Gravi 659.2	ty_Flowi	rator Gas <u>.669</u> ing Fluid <u>None</u> 434.5	
No. Pt (p		Pt ²	F _c Q	(F _c Q) ²		$\left(\frac{c^{Q}}{e^{-s}}\right)^{2}$	P _w 2	P _c ² -P _w ²	Cal P		
1. 526. 2. 509		276.9	.1926	.0371		049	276.9	157.6	526.2	79.8	
3. 486		236.4	4389	.1926		<u>091</u> 254	253.3 236.4	<u>175.2</u> 198.1	509.7 486.2		
+• 448		200.9	.6924	.4794		633	201.0	233.5	448.3		
JOMPANY	Potentia	Bbe	11 011 C				000				
ADDRESS P. O. Box 1358, Roswell, New Mexico AGENT and TITLE A. L. Ellerd - Gas Tester (J. J. Ellerd)											
VITNESSED		1	1. 40 TIL	-1- <i>51</i> -1-1		(lles				
COMPANY	·		Page Mat	ural Coo f	10000 0000		<u> </u>				
COMPANY El Paro Natural Cas Company REMARKS											

Slope greater than 1.000, a slope of 1.000 drawn through highest rate of flow.

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 60° F.
- PcI 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

Pf Meter pressure, psia.

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hw Differential meter pressure, inches water.

Fg_ Gravity correction factor.

 F_t Flowing temperature correction factor.

F_{DV} Supercompressability factor.

n I Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .