NEW MEXICO OIL CONSERVATION COMMISSION

HOSSS OFFICE OCC

Form C-122

	Eumont											
											9-3-56	
ıpaı	ny Amera d	a Petro	leum	Corpo	ration	Lease	Byrd Gas	Unit	Wel	1 No	1	
t		ec. <u>12</u>	qwT_	<u> 20-</u> 9	Rg	e. <u>36-</u> 1	Purc	haser Pe	rmian Bas	in Pipe	Line Compan	
in	g 5-1/2" W	t. 15.5	I.	D.4.73	6" Se	t at	260 Pe	erf		То		
in	g 2-3/8" W	t 4.7 #	<u> </u>	D .1.9 9	5" _Se	t at 3 _	362 P€	erf. 336	1'	To	33621	
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du	cing Thru:	Casir	1g		Tu	bing	x U	Type We	ll Sing	10 /		
	of Complet:						ידנ	iRTe-Drame	illicad-d•	u. Ui u	TO Date	
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Te	d Through				(Mecer)		T m.)	D.1.	<u> </u>			
	(Prover)	(Choke			Diff.	Temp.	Tubing Press		Casing D	Temp.	Duratio	
	(Line) Size	(Orific	ce) =	psig	h _u	o _F .	psig	o _F .	psig	o _F .	of Flo	
							895.6				72-3/4 Hrs.	
1	#	2.25			15.3		738.4				23-3/4 Hrs.	
	H	2.25		464.6		66	617.7				23-3/4 Hrs.	
	*	2.25	N .	474.4	25.1	67	594.4	 	ļ	 	24 Hrs.	
	(24-Hour)				psia	_	ctor Ft	Factor F _g 0.9535 0.9535	Factor F _{pv} 1.043		Q_MCFPD @ 15.025 ps: 2791 3400	
-	40.53 40.53		84.76 08.60		469.6 477.8	0.994	3	0.9535	1.0/		4357	
	40.53		110.60		487.6	0.9933		0.9535	1.04		4437	
rit	.quid Hydro y of Liqui).936 CO₂ = 2.	d Hydro	carbo (]	ons L-e ^{-s}	y	_cf/bbl deg		Spec: Spec:	ific Gravi ific Gravi	ity Flow	arator Gas, wing Fluid, 825.9	
T	$P_{\mathbf{w}}$	P _t ²	F		(F _c Q) ²	2 ((F _c Q) ² (1-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	Pw Pc	
	Pt (psia)				769.0	((1-e-s)	777.7	18.2	881	W	
1	317.6 751.6	668.5 564.9	33.	.73 .78	1141.1	1	2.0	726.9	99.0	852	0.94	
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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 600 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.
- Fg Gravity correction factor.
- FtI 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 $P_{\mathbf{t}}$.