		NE	W MEXICO			ON COMMISS	ION		
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ol <b>South</b>				nRCA	36	<del></del>			
itialX									
mpany The I	are Oil Co	mpany		Lease	South Va	cuum Unit	We	ell No	2-35
it <u>I</u>	Sec35	Twp _ 18	<b>-8</b> R	ge. <u>35-</u> 1	<u>Pur</u>	chaser_P	hillips I	Petroleu	m Company
CARGE_ 5*	Wt. 17.93	_I.D4	<b>.276</b> Se	et at 138	<b>381</b> P	erf <u>13</u>	620	_To	13823
oing 2	Wt. 4.70	_I.D <u>1</u>	<b>.995</b> Se	et at 130	<b>522</b> P	erf. Open	Ended	_To	
Pay: From	13020 To	13823	L_ <u>13</u> '	721 x	G_0.801	GL 1	1000	Bar.Pre	ss. 30.18 1
ducing Thru	: Casing		Tu	ıbi.ng	X	Type We	377 ell <b>G.</b> (	D. Dual	
e of Comple					Sii	ngle-Brade	enhead_G.	$G \cap \Delta r \cap G$	I O Dual
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ted Through	(December)	(Chales)	(Motom)		ED DATA		m . m .	****	_
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				FLOW CAL		IS			
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(24-Hou	r) $\sqrt{h}$	wpf	psia	F	1	Factor F <sub>g</sub>	Fpv		Q <b>-M</b> CFPD @ 15. <b>0</b> 25 psi:
25.580	20,		10c	1.0157		0,9325	- PV		502.0
25,580	20.		26-39,2	1.0157		0.9325			502.0
25,580 25,580	20. 20.		<b>26</b> 29.人	1.0157		0.9325			502-0
25.580	20.		26 39.2	1.0157		0.9325			502-0 502-0
Liquid Hydro ty of Liqui <b>9.936</b>	d Hydrocar	io <b>22.</b> bons <b>56.</b> (1-e <sup>-8</sup> )	<b>300</b>	ESSURE CA		ONS Speci	fic Gravi	ty Flow: _P <sub>C</sub> 12	rator Gas <u>O.</u> ing Fluid <u>O.</u>
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Pw	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q	$(F_cQ)^2$	(F <sub>c</sub>	Q) <sup>2</sup> e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca]	Pw Pc
P <sub>w</sub> Pt (psia)	- /t   ·	J			, ,			1 Y	
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	25,580		20.8	1 25	39.2	1.0157		0.9325			502.0
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Li	25.580 iquid Hydro ty of Liqui 9.936	carbon d Hydro	Ratio(1_e	56.3		ESSURE CA		O.9325 CONS Speci Speci Pc_3	fic Gravi 198	ty Flow:	rator Gas <u>0.</u> ing Fluid <u>0.</u>
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Li	iquid Hydro ty of Liqui  9.936  Pw Pt (psia)	Pt 135.2	F <sub>c</sub> Q	56.3 (I	60 0.570 F <sub>c</sub> Q) <sup>2</sup>	cf/bbl. deg.  (Fc	Q) <sup>2</sup> e-s)	O.9325 CONS Speci Speci Pc_3	fic Gravi	ty Flow: Pc 12	rator Gas 0.4 ing Fluid 0.4 23622 1. Pw Pc
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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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>w</sub>). 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.
- hw- Differential méter pressure, inches water.
- $F_g = Gravity$  correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}^{-1}$  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  $P_{\rm t}$ .