NEW MEXICO OIL CONSERVATION COMMISSION

				MIII /	TT DOTAIN T			official Co			Revised 12-1-5
Poc	ol <u>Eumon</u>	æ.		PIUL.	TI-POINT E	SAUN PRES	COT ^O	ST FOR GA	S WELLS	_	
										-	May24, 1956
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Uni	t <u>I</u>	Sec	33 Tw	م	19 Rg	e. <u>3</u> '	7_Pur	chaser S	outhern U	nion G	as Company
Cas	ing 51/2	Wt	17# I	.D	4,892 Se	t at	34601 P	erf353	8	To_	3547
	ing 2"										
ra.S	ray: From	3575	To_3	3610	L	x	G0.66	8		Bar.P	ress. 13.2
ro	ducing Thru:	: Ca	sing		Tu	bing	<u> </u>	Type We	ell Si n	gle	
at	e of Complet	ion:	11_10	2_52	Packe	r was	Sin	ngle-Brade	enhead-G.	G. or	G.O. Dual
		_							10.mp • ,	·	
						OBSERV	ED DATA				
es	ted Through	(Pro	ver) (Choke	(Meter)				Type Tap	os F]	ange
		1 7	Flow Da				Tubing	Data	Casing I)ąta	
٥.	(Prever) (Line)	(Ori	che) fice)		s. Diff.	Temp.	Press	Temp.	Press.	Temp.	,
۱	Size				g h _w	$\circ_{\mathtt{F}_{\bullet}}$	nsiø	o _F .	psig	O _F	of Flow Hr.
I		 	 				807	 	807	+	-
•	4n	.75	O"	515	8"	72	764	 	765	 	72
•-	4"	.75		525	2/4	76	709		711		24
•	<u>4"</u>	75		540	458	78	627		662		24
	<u> 741</u>	.75	O"	510	81"	85	_ 56 5		591	 	24
- Companion								<u> </u>	· · · · · · · · · · · · · · · · · · ·	J	
	Coeffici					LOW CALC				···-	
	COETITCE	ent		'	Pressure	Flow T Fact	- 1	Gravity	Compre		Rate of Flow
	(24-Hou	r)	√ h _w p	20	psia	F _t	1	Factor	Facto	r	Q-MCFPD @ 15.025 psia
	3.435		<u> </u>		528.2			Fg	Fpv		
1	3.435				538.2	.9887 .9850		-9477	1.050		220
	3.435		157.75		553.2	9831		.91.77 .91.77	1.053		384
	3.435		205.82		523.2	.9768		9477	1.053		505 684
						SSURE CA			1.0/12		264
3 I.	iquid Hydrod	a rhor	. Ratio			cf/bbl.			e: - a :		
vi	ty of Liquic	d Hydr	cocarbo	ns		deg.		Specif	iic Gravi	ty Sep	arator Gas 668
(1-e ^{-s})						Specific Gravity Flo			wing riuld		
			_ _	_				C		0	VI&# [</td></tr><tr><td>T</td><td>P_w</td><td></td><td><u> </u></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td>1</td><td></td></tr><tr><td>ا،</td><td></td><td>Pt.</td><td>F</td><td>a l</td><td>$(F_cQ)^2$</td><td>F) (F</td><td>$(Q)^2$</td><td>P. 2</td><td>P_{a-P}^{2}</td><td></td><td>al. P</td></tr></tbody></table>

ю.	🗝 (psia)	$P_{\mathbf{t}}^{2}$	F _c Q	(F _c Q) ²	$(F_cQ)^2$ $(1-e^{-s})$	P _w 2	$P_c^2-P_w^2$	Cal.	Pw Pc
:-	778.2					605.6	67.1	778.2	010
\Box						524.5	148.2	721. 2	-646
-	675.2					455.9	216.8	675.2	883
\exists	604.2					365.1	307.6	601.2	737
						<u> </u>			
ວຣ	olute Potenti	.al:_]	.250	M	CFPD: n	762			

1.20	_MCFPD; n _763	
COMPANY Aztec Oil & Gas Company		
ADDRESS Box 847. Hobbs. New Merrico		
AGENT and TITLE Chale M. Cal	Petroleum Engineer	····
WITNESSED Tested by Mr. Sam Hardy		
COMPANY Southern Union Gas Co.		
	REMARKS	

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_W). MCF/da. @ 15.025 psia and 60° F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- hwI Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\rm t}$.