NEW MEXICO GIL CONSERVATION COMMISSION

ų

Revised 12-1-55

Pool Jalmer	t		-POINT B					Im	
Initial X								_	
Company Pan A									
Unit <u>Z</u> L									
Casing 5-1/2									
Tubing 2	Wt. 4.7#	_I.D	Se [_]	t at _ 3	110 Pe	rf		To	
Gas Pay: From	m _2823 _To_	3110	L 3	<u>110 x</u>	(ASSUE cG65(led) GL	2022	Bar.Pre	ss. 13.2
Producing Thr					I	Type We	ell Sing	le	
Date of Comple					Sir	gle-Brade	enhead-G.	G. or G	.O. Dual
* Test with 2	" eritical	flow pr	Yer.						
			•	OBSERV	ED DATA				
Tested Through	h <u>(Prover)</u>	(Choke)	(Meter)				Туре Тар	s	
	Flow		·····			Data	Casing D	ata	
(Prover No. (Line)) (Choke) (Orifice)	Press	Diff.			Temp.	Press.	Temp.	Duration of Flow
Size	Size		h _w	°F.		°F.	psig	٦F.	Hr.
SI 1. 2" x 1/4 "		596		72	608 596		608 577		72 hrs.
2. 2" x 1/2" 3. 2" x 3/4"		520		74	520	+	567		3 hrs.
3. 2° x 3/4"		390		69	390		543		3 hrs.
4. 2° x 7/8 ° 5. 2° x 1/2 °		31.5 508		<u>63</u> 75	<u>315</u> 508		536 562		3 hrs. 24 hrs.
24 Hr. Point					CULATION	1		·	
	cient	F		Flow	Temp.	Gravity			Rate of Flow
No. (24-He	our) - T	ⁿ w ^p f	psia		tor t	Factor Fg	Facto F _{pv}		Q-MCFPD @ 15.025 psia
1. 1.4030 2. 5.5233	· · · · · · · · · · · · · · · · · · ·		09.2	.988		.9608	1.0		862
			533.2	.986		.9608	1,0		2,943
3. 12.2023 4. 16.7816			03.2	.991 .997		.9608 .9608	1.0		4,870 5,446
5. 5.5233			521.2	•777		.9608	1.0		2.861
as Liquid Hyd: ravity of Lig c Measured	uid Hydrocan		7	Cf/bbl. deg.		Speci Speci	fic Gravi fic Gravi		rator Gas ing Fluid 385.9
P _w ****	P _t ²	F _c Q	(F _c Q) ²	(F	⁷ c ^Q) ²	P _w 2	$P_c^2 - F_w^2$	Ca	_ _ _
Pt (psia) 371.1			(1	-e ^{-s})	374.8	11,1	P	w Pc
1. 609.2 2. 533.2	254.3	· · · · · · · · · · · · · · · · · · ·				374.8 336.6	49.3	-+	
3. 403.2	162,6 -		Measu	T C 		309.4	76.5		
4. <u>328.2</u> 5. <u>521.2</u>	107.7					330.9	84.3 55.0		+
		6 000		 MC	n 0.9				·····
Absolute Pote COMPANY Pan	American Pe	<u>6,900</u> trol em	Corporat		, n97	×2			
ADDRESS Box	68 - Ho	bbs, Ne	w Mercice	•					
AGENT and TIT			<u>P</u>	eld Eng	ineer				
WITNESSED D	Pase Natur		Comany		·				<u></u>

SEMVERS

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.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_w: 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.

 $h_{W}\text{=}$ Differential meter pressure, inches water.

Fg= Gravity correction factor,

F_t Flowing temperature correction factor.	-	~ *
F _{pv} - Supercompressability factor.	Ŧ	r

n _ 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 .