NEW MEXICO OIL CONSERVATION COMMISSION

.. -

-,

.

						L.		11	11	Form C-
						SSURE TES	ST FOR GAS	S WELLS	' <u>11</u> : 2 _₫	Form C-
00	l	A	F	'ormation	Tat	tes-# Rin	'erb	_County_	Les	
ni	tial	An	nual		Spec	cial	X	_Date of	Test 2-3	
onj	pany Loc	mard Cil	(.	1-1	Lease	H.V	. Justis	We]	1 No	1
ni		Sec	Twp 25	Rg	e. <u> </u>	Purc	haser	IPMO		
asi	ing 81/4 W	t. 32.0	_I.D	Se	t at 2	63 Pe	rf. <u>``</u>		_To	
ubj	ing 2 3/0 W	t. 4.7	_I.D	Se	t at 20	70 Pe	erf	\	То	
as	Pay: From_	2720 To	2975	L_ 2	870	G 0.655	GL	.880	Bar.Pres	s. 13.2
roć	lucing Thru:	Casing		Tu	bing	X	Type We	11 Sing	1.	D
ate	e of Complet	ion:_11-	2501935	Packe	r Non	510	Reservo	oir Temp.	G. Or G.	J. Dual
					OBSERV	ED DATA	1	Wi	le de la companya de	
est	ed Through		(CHOKE)	(Meter)				Туре Тар	s	K 0
		Flow				Tubing	Data	Casing D		
».	(Line)	(Strates) (Orifice))		-	1	Temp. ^O F.	Press.	Temp.	Duration of Flow
ī	Size	Size	psig	h _w	°F.	psig 320	320	ps1g 320		Hr. 72
		1.250	37	10.2h 16.00	<u>74</u> 59	214 171		218		72 24 24
	- I	1.250	37	22.09	60	112	+	143		24
	4	1.290	38	29,16	4	66		99		24
- r -	Coefficie					CULATION	the second s			
.	(24-Hour	. /	w ^p f	psia	Flow Fac F	tor	Gravity Factor ^F g	Compre Facto ^F pv	r \\C	te of Flow -MCFPD 15.025 psia
	9.643	22.	63	F	.9868		•9571	- pv/		206
4	9.643	28,	84		1.0010		.9571		:	266
-	9.643 9.643	33.	2 +-		1.000		.9571 9571		4	306
	7.943				•7791		.9571			355
				PRI	ESSURE C.	ALCULATI	ONS			
	iquid Hydrod ty of Liquid				cf/bbl. deg.			fic Gravi fic Gravi		tor Gas 0.6
** 1	Neasured		(1-e ⁻⁵)		ueg•		P _c _3	33.2		
									$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$	
										1
T	RÅK	P ²	F_Q	$(F_cQ)^2$	(F	$(Q)^2$	P. 2	$P_c^2 - P_w^2$	Cal.	Pu
)•	Pt (psia)		F _c Q	(F _c Q) ²	(F (1	$\left(\frac{c^{Q}}{e^{-s}}\right)^{2}$	P _w 2	$P_c^2 - P_w^2$	Cal. Pw	Pc
)•	P _t (psia)	51.6	F _c Q	(F _c Q) ²	(F (1		53.5		Cal. Pw	P _c
	Pt (psia)		F _c Q	(F _c Q) ²	(F, (1			P ² _c -P ² _w \$7.5 74.8 86.6	Cal. Pw	P _c
	Pt (psia)	51.6 33.9	F _c Q		(F) (1		53.5 36.2	57.5 71.5	Cal. Pw	P _c
	Pt (psia) 227.2 18.2 185.2 79.2	51.6 33.9 15.8 6.3	F _c Q				53.5 36.2 24.4 12.6	57.5 74.8 86.6	Cal. Pw	Pc .67 .53 .35
	Pt (psia) 227.2 18.2 185.2 79.2 lute Potenti ANY	51.6 33.9 15.8 6.3		hesured			53.5 36.2 24.4 12.6	57.5 74.8 86.6	Cal. Pw	Pc .67 .53 .35
	Pt (psia) 27.2 18.2 185.2 79.2 lute Potenti ANY ESS	51.6 33.9 15.8 6.3 ial:	380 mard 013 1 708, Re	Ce.	MCFPD;	n	53.5 36.2 24.4 12.6	57.5 74.8 86.6	Cal. Pw	P _c .67 .53 .35
Done in the second seco	Pt (psia) 227.2 125.2 79.2 lute Potenti ANY ESS T and TITLE	51.6 33.9 15.8 6.3 ial: Bas For	380 mard 013 708, Re Ger Hix,	Co.	MCFPD;	n	53.5 36.2 24.4 12.6	57.5 74.8 86.6	Cal. Pw	Pc .67 .53 .35
oologooda and a second and a se	Pt (psia) P27.2 125.2 79.2 lute Potenti ANY ESS T and TITLE ESSED	51.6 33.9 15.8 6.3 ial: Jan Par Bar	380 mard 013 708, Re Car Hix,	Co.	MCFPD;	n	53.5 36.2 24.4 12.6	57.5 74.8 86.6	Cal. Pw	Pc .67 .53 .35 .21
oologooda and a second and a se	Pt (psia) 227.2 125.2 79.2 lute Potenti ANY ESS T and TITLE	51.6 33.9 15.8 6.3 ial: Jas Per For	380 mard 013 708, Re Car Hix,	Co.	MCFPD;	n	53.5 36.2 24.4 12.6	57.5 74.8 86.6	Cal. Pw	Pc .67 .53 .35

У

INSTRUCT TONS

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.
- hw= Differential meter pressure, inches water.
- Fg_ Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- 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 . Leonard Oil Co. V.H. Justis #1 Unit "D", Sec 30, T-25-S, R-37-E Lea Co., N.M. 2-15-1957

.

