1-H. L. Kendrick

NEW MEXICO OIL CONSERVATION COMMISSION

1-Bill Parrish

1-Comm. of Public Lands 1-Sneddy (Holland)

1-Phillips

1-F

MILTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

	1-Arnett		MULTI-	POINT B	ACK PRES	SURE TES	T FOR GAS	WELLS		Revised 12-1-))
Pool	Basin	Dakota	Fo	rmation	D	akota		_County_	Rie A	rriba
InitialXAnnual				Special				_Date of	Test	11/4/63
		Development								
Unit	<u>H</u> S	ec. 26 Tv	p 28N	Rge	e 6W	Purc	haser	El Paso N	atural	Gas Company
Casir	ıg 42" W	t. 11.6	.D.4.00	0Set	t at	78 Pe:	rf. 769	4	То	7868
Tubir	g 2 3/8"W	t. 4.70	.D. <u>1.99</u>	5 Se	t at	73 Per	rf		То	7873
Gas F	ay: From_	7694 To_	7868	_L7	873 x	G67		5274	Bar.Pre	ss. 12.0
Produ	cing Thru:	Casing_		Tul	bing	X	Type We	11 Sin	gle-Gas	
Date	of Complet	ion: 10/25/	63	_Packer	r	Sin	gle-Brade Reservo	enhead-G. oir Temp	G. or G	.0. Dual
	-					ED DATA				
Teste	d Through	XXXXXXXX (Choke)	(Mekrex)				Туре Тар	s	
						m 1.2	D-4 -			r
	(Prover)	Flow I	Press	Diff	Temp.	Tubing Press.	Temp.	Casing D	Temmo.	Duration
No.	(Line) Size	(Size	1 ('		psig		psig	i	of Flow
		STZE	psig	11W	Г•	2 761	L	2 751		7-Days
SI l.		3/4"	248		69	248		947		3-Hrs.
2.										
3 •		 							 	
4. 5.			+						 	
		<u> </u>		1	FT.OW CAT.	CULATION	5			
	Coeffici	essure	essure Flow Temp.			Compre	Compress. Rate of			
No.	$(24-Hour)$ $\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$			psia Factor		tor	Factor	1		Q-MCFPD @ 15.025 psia
	12.3650		260 .9915			F _g	1.026		3,095	
1. 2.	12.3030			200	• • • • • •		.,400			0,00
3،										
4. 5.										
ravit	y of Liqui	carbon Rati d Hydrocarb	oons l-e ^{-s})		cf/bbldeg.	ALCU ATI	Speci	fic Gravi	ty Flow	rator Gasving Fluid
No.	$P_{\mathbf{W}}$	$P_{\mathbf{t}}^2$	·cQ	$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	P_w^2	$P_c^2 - P_w^2$		Pw Pc
	Pt (psia)				- 1 (1	-e ⁻³)	919.6	6769.9	+	P _C .345
2.							7171	V.107.7		
1. 2. 3. 4.								 	+	
5.										
Absol	ute Potent	ial: 3,	105		MCFPD;	n_•75				
		Petr. Club		Farmino	ton. N.	М				
ACENT	and TITLE	George	L. Hof	fman, P	rodúctie	n Engine	er	THE IN	# Part 12 12 12 12 12 12 12 12 12 12 12 12 12	
	SSED	Jess Bo El Paso	Natural	Gas Co	mpany			Riff		
JULI				<u> </u>	REM	ARKS	1	NOV 7	1963	\ \ \
								OIL CON.	COM.	j

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 60° 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.
- Ft Flowing temperature correction factor.
- Fpv 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_{+} .