NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool _	- CALLER	<u> </u>		I	Cormation	n 7-8	& Queen		County_	Los		
Initial			Annu	ızl	······································	Spe	ecial	<u> </u>	Date of	Test_	5-20/5-24-195	
Company		. Clse	a (Per	somal)	· -	_Lease	Chri	stmas	We:	ll No.	2	
Unit _	I	Sec	28 Tw	p. 2	Re	ge 36	Pur	chaser_	EPNO			
										То		
											ess. 13.2	
P roduci n	ıg Thru	: Ca	sing		Tu	ibing_	x	Type We	ell Sin	g le		
Date of	Comple	tion:_	3-23-1	953	Packe	r 345	Sir	ngle-Brade Reserve	enhead-G.	G. or	G.O. Dual	
							VED DATA		• •			
Tested T	'hrough	(FF	FEF) (3	Mere)	(Meter)				Type Tap	e Pla	M ca	
			low Da	ata		Tub		Data	Casing D			
	16161)	*****	無)	Press.	Diff.	Temp.	Press.	Temp.			Duration	
	Line) Size	(Ori	rice)		h _w	°F.	psig	o _F .	psig	1	of Flow	
SI							723		1 9		72	
1. 4		1.00		543	4.84	78	660				24	
2. L i	···	1.00		550 570	10.24	76	622				24	
4. 1 1.		1.00		<u> </u>	25.00	74 79	58e			 	24	
5.								<u> </u>			24	
]	FLOW CAI	LCULATION	S				
	peffici			Pr					Compre	ss.	Rate of Flow	
o. Flange (24-Hou		$\sqrt{h_{\rm w}p_{\rm f}}$				Fac	ctor	Factor	Factor		Q-MCFPD	
		. ,	7 7 n _w p _f 51.88		psia F		't	Fg	Fpv		@ 15.025 psia	
6.13	5		75.9			.9831 .9850	, ,	*/4* (20071		311 158	
6.13	5		101.	1		.9868		.9427 .9427	1.057		61k	
6,13	5		117.0	59		.9822		.9427	1.054	'	704	
					PRE	ESSURE C	CALCUTATIO	ONS				
s Liquid avity of	l Hydro	carbon	Ratio	1	Dry	cf/bbl.		Speci	fic Gravit	ty Sepa	rator Gas <u>O.67</u>	
9.936	niqui	u nyur	(1.	ns -e ^{-s})	0.157	deg.		Speci:	fic Gravit	y Flow	ing Fluid	
			\\				-	Pc	U.E.	_Pc	X Yoli	
XXX			T				2		2 -	T		
0. P+ (psia)	P_{t}^{2}	Fc	5	$(F_cQ)^2$	(F	$(c^{Q})^{2}$ $-e^{-s}$	P _w 2	$P_c^2 - P_w^2$	Ca	Pw Pc	
		453.2	3.0		O EE		,	.61.		P	Y	
635	2	403.5	4.5	5	9.55	1.50 3.23		154.7 105.8	72.7 120.6	67h.3	.93	
. 595.		354.3	6.1	0 1	7.21 8.86	5.4		1.0	167.3	600.1	.83	
. 595.1 . 557.1	E	310.5	6.9	2 4	J. 56	7.67		318.2	209.2	564.1		
bsolute	Potent	ial:	2,44	 -		MCFPD:	n7\$					
OMPANY	R. CI	Ben &		=60-00			·· <u>• [34</u>	}				
DDRESS GENT and	Draw.	r 2,	Jal, N	. <u>M</u> .								
JENI AND LINESSED			Payne G. Sm	, JT. ith	·				····			
OMPANY_		EPNG	~ - Well	- 743		·						
						REM	ARKS					

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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- Pc= 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} 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 $P_{\rm t}$.
