HOBBS OFFICE OCC

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE INTERFER GAS WELLS

Pool	Jalmat			Form	ation	Yat	e <i>8</i>		_County	Lea		
Init	ial		_Annual_	X		Speci	ial		_Date of '	Test <u>3-1</u>	8/3-22-57	
Comp	any Conti	nenta)	L 011 C	ompan	у	Lease M	eyer A	-29	Wel	l No	5	
Unit	▲ S	Sec. 29	Twp.	22	Rge	e3 6	Purc	haser El	Paso Nat	. Gas	Company	
Casi	ng 5 1/2 W	rt. 1/		5.01	2 Se	t at 30	89 Pe	rf. 308	Oper	n hole To 3	340	
	ng 2" W											
											s. 13.2	
Prod	ucing Thru:	Cas:	ing		Tu	bi.ng	Sin	Type we gle-Brade	nhead-G.	G. or G.	O. Dual	
Date	of Complet	ion:	9-27-5	6	Packe	r <u>Non</u>	•	Reservo	ir Temp	90)0	
						OBSERVE	ED DATA					
Tested Through (Index) (Meter) Type Taps Flange										ange		
		F.	low Data				Tubing	Data	Casing Da	ata	- ·	
No.	(Line)	(Orif	ice) Pr	ess.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
	Size	Si	ze p	sig	h _w	°F.		o _F ,	psig	⁵ F•		
SI l	<u> </u>	.7	50 35	6 30	.25	59	57 8				72 24	
2.	44	. 7	50 40	5 26	.01	57	488				24	
3. 4.	<u> </u>	7		6 19 2 19		63 62	<u> 197</u> 500				24 24	
5.												
						FLOW CALC	CULATION	is				
,,,	Coefficient Flange (24-Hour)			Pressure			Temp.	Gravity	Compre	ess. Rate of Flow		
No.			$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	ps	ia	Ft		Fg	F _{pv}		@ 15.025 psia	
1. L	3.435		105.65	5.65		1.0010		.9571	1.03	8	360	
2 . 3.	3.435		95.29				9	.9571 .9571	1.044		359 327	
5.	3.435 3.435	3.435 9		5.89			.9971 .9981		1.05		295	
4. 5.												
					PR	ESSURE CA	ALCUTATI	ONS				
as L	iquid Hydro	carbon	Ratio	Dry		cf/bbl.		Speci	fic Gravi	ty Separ	rator Gas .655	
ravity of Liquid Hydrocarbons						deg.		Specific Gravity Flowing Fluid P_c 91.2 P_c^2 349.5				
c9	.936		(1 - e	-S)	27_			Pc	591.2	_ ^P c	349.5	
							 		γ			
No.	XX	$P_{\mathbf{t}}^2$	F _c Q		$F_cQ)^2$	(F,	Q) ² -e ^{-s})	P_{w}^{2}	$P_c^2 - P_w^2$	Cal	P _W P _C	
	Pt (psia)					(1)	-e ^{-S})		56 6	512.		
	511.2 501.2	261.3 251.2	3.58	$-\frac{1}{1}$	2.82	1.6	2 2	62.9 52.8	86.6 96.7	502		
	500.2	260.3		10	3.56	1.3	4 2	261.6	87.9	511.	5 86.51	
	513.2	263.4	2.93	8.58			29 2	64.5	85.0	514.	86.99	
	lute Potent		1 04	<u></u>		MCPDD.	n .77	77	<u> </u>			
COMP	ANY Cont	nar: Inenta	1 011 0	OMDA	ay	MCFPD;	n					
COMPANY Continental Oil Company ADDRESS Box 68 Eunice, New Mexico												
AGENT and TITLE Office WITNESSED												
COMP												
2nd	ettempt	to te	st. A	rerag	e slo	REM ope of	ARKS 771 di	rawn thr	u highes	t rate	of flow.	

NMOCC-3 EWW HLJ RLA File-2

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
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.