Form C-122

MANU OFFICE REVISED 12-1-55
VELLS

MITTER DOTTING	DACK	DODECTION	TOOT	FOD	CAC	WETTO
MULTI-POINT	BAUK	PKE220KE	ILOI	run	GAD	Merrins

Pool _	Belle	rd	Fc	rmation	Pictur	ed Cliffs		984 AUB _County	PAL	Arriba
nitia	alx	Annu	al		Sp ec :	ial		_Date of	Test	7-29-64
ompar	ny Contin	mental Oil	Company	']	Lease_A	XI Apache	G	Wel	l No	3
nit	I s	ec. 8 Tw	p. 331	r 52 Rge	. 5W	Purch	aser_ So	uthern Un	ion Car	Company
asine	4 1/2" W	t. 9.5# I	.D. 4.0	90" Set	t at 220	O' Per	rf.	2030 ' 2066'	To	1050 ' 1072 '
		t. 4.7# I								
										ess. 12 pala
		Casing								
ite c	of Complet:	ion: 7-8-	04	Packer			Reservo	olr Temp		
					OBSERV	ED DATA			-	sse.
sted	i Through	(Prover) (EKKEL)	distant.				Type Tap	s	
	(P=====	Flow D		Diee	Tom	Tubing Press.		Casing D	ata	Duration
· .	(Prover)	(Orifice)					_		1	of Flow
I I	Size 2 in.	Size	psig	h _w	° _F .	psig 399		psig		
	2 186.	3/16"			69	364	69	365	78	1 hr
	2 in. 2 in.	1/4" 5/16"	239 236		65 67	239 236	65 67	349 328	78 78	1 hr
:+-	2 in.	3/8**	223		67	223	67	300	78	1 lix
			ļ	<u> </u>				<u></u>	<u> </u>	
	Coeffici	ent	Pr			CULATIONS Temp.		Compre	ss.	Rate of Flow
·•					Fac	tor	Factor	Facto	r	Q-MCFPD
		r) $\sqrt{N_W}$	P _f							@ 15.025 psia
	.7851 1.4030			376 251	.99		.9535 .9535	1.0		<u> </u>
,	2.1577			248	.99	33	.9535 .9535	1.0	24	520
	3.0691			235	.99	33	.9535	1.0	23	700
vity		carbon Rati d Hydrocarb			cf/bbldeg.		Speci Speci		ty Flor	arator Gas wing Fluid 168.9
•	Pw Pt (psia)	Pt F	CQ	$(F_cQ)^2$	(F	$\left(\frac{1}{c^{Q}} \right)^{2}$	P _w 2	P _c -P _w ²	Ca	Pw Pc
. —	377						142.1	25.8		91. 7
	361 340				+		130.3 115.6	38.6 53.3	_	87.8 82.6
	312						97.3	71.6		75.8
1_										
	ute Potent	ial:_ tinental Oi	1500		MCFPD;	n	.90			
MPAI DRES		O. Box 3312			orado					75 11
ENT	and TITLE	R. B. I	rrett,	Test En	gineer				1011	FILE
	SSED Cont	H. D. H imental Oil			Manager	·	1/4	500	1116	IETA (
JMPAI	MI COUL	amental VIII	. overell	¥	REM	ARKS			AUG.	ON. COM.
1	RECC(3) S	U File						,		if, a

INSTRUCTIONS

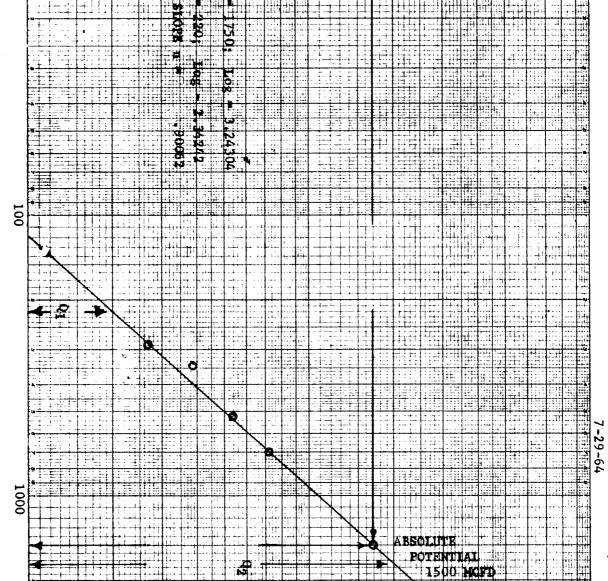
This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

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
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t 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.
- F_{pv} Supercompressability factor.
- n I 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_+ .



 $Pc^2 - Pw^2$ (Thousands)

100

CONTINENTAL OIL COMPANY
AXI APACHE G #3
I - SEC. 8-33N-5W
RIO ARRIBA COUNTY, NEW MEXICO
7-29-64

1000

Q - MCFD @ 15.025 PSIA

10 F