## HOBBS OFFICE OCC

Form C-122

MULTI-POINT BACK PRESSURE	TEST FOR GAS WELLS 9:49	Revised 12-1-55
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Poo.	L Euroc	nt		F	ormation	n Yate	8-7 Riv	rs	County_	Lan	
Init	tial										10-8-56
											5
	K K										
	ng 5 1/2										
Tubi	ng <b>none</b>	Wt.	<u>-</u> I.	•	<u>-</u> Se	et at	<u> </u>	rf		_To	COS)
Gas	Pay: From	3348	_To <u>3</u>	427	L 3	348 x	.G <u>.675</u>		260	Bar.Pre	ess <u>13.2</u>
Prod	ucing Thru	: Cas	sing	X C	Tu	bing		Type We	ell_Singl	a 1/	
Date	of Comple	tion:_	4-16-5	1	Packe	r <u>none</u>	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or (	3.0. Dual
							ED DATA		- •		
Test.	ed Through	(Prov	ren) (Ch	oka).	(Moton)				m-		
					Trabban	X .		<del></del>	Туре Тар		
	(Provider)		low Dat		D: 00			Data	Casing D		
No.	(Prover) (L <b>xinex</b> )	(Orif	ice)		Diff.	•		Temp.		1	Duration of Flow
SI	Size	Si	ze	psig	h <sub>w</sub>	°F.	psig	°F.	psig	°F∙	Hr.
31	_ 2	1 000		700		~		<u> </u>	787	<del>                                     </del>	/72
1. 2. 3.	2	250		723 445		76		<u> </u>	723	<del> </del>	<del>  /21/2  -</del>
3.	2	625		318		77		<del> </del>	445	<del> </del>	2 1/2
<u>4.</u> 5.	2	750		225_		70			318 225	<del> </del>	21/4/
5.		750		225		70			225		23/1/
					1	FLOW CAL	ገጠ ለምቸርል	c			
	Coeffici	ient		Pr					Compre		Rate of Flow
No.				-		Fact	tor	Factor	Facto	r	Q-MCFPD
	(24-Hoi	ır)	√ h <sub>w</sub> p <sub>f</sub>		psia	Ft		${ t F}_{ t g}$	$\mathbf{F}_{\mathbf{pv}}$		Q-MCFPD @ 15.025 psia
1. 2. 3. 4. 5.	1.4030			<b>—7</b>	36.2	.9850		91.27	1.07		1.031
<del>2•</del>	5,5233		<del></del>		8.2	9896		9427	1.04	7	2,472
- <del>]</del> .	8.3555				31.2	9905		-9427	1.03	<b>3</b> /	2,669
5.	12,2023		······································		18.2	9905		-9427	3.02		2,774
	- LEPEUZ)				8.2	9905		<del>•9427</del>	1.02	<del>}</del>	2,774
					PRI	ESSURE CA	LCULATIO	ons		,	
on I	lquid Hydro		D-1:								
	y of Liqui			<del></del> -		cf/bbl. deg.		Speci	fic Gravit	ty Sepai	rator Gas
	9583				0.144	ueg•		b Shect	200 o	D2 PIOW	ing Fluid
<u></u>			` -		re Triel			- c—{	<del>200,2</del> ——	Pc61	<del>40+3</del>
т.	- Core		<del></del>		<del></del>	<del></del>		<del></del>		<del>,</del>	
No.	A.A.K.	$P_{\mathbf{t}}^{2}$	F <sub>c</sub> Q		$(F_cQ)^2$	(F	0)2	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	ם
	Pt (psia)	t	- 6		(- G4)		Q) <sup>2</sup> -e <sup>-s</sup> )	`w~	, C_, M	P,	P <sub>W</sub> P <sub>C</sub>
1. 2.	736.2	542.0	1.0	_	1.0	<del></del>		5/2.1	98.3	736.3	
2.	458.2	209.9	2.4		5.8			210.7	430-4	459.0	\
	331.2	109.7	2.6		6.8		1	110.7	530-6	332.7	7 - 57
~ 1	238.2	56.7	8.7		7.3		.1	57.8	583.6	+ 240.4	
	238.2	-56.7	2.4		7.3		1	57.8	583.6	510.1	
	Absolute Potential: \2.950\ MCFPD; n \56\										
	COMPANY Continental Oil Company										
	ADDRESS Box 427, Hobbs, N. M. AGENT and TITLE W. D. Howard, Gas Tester										
WITNE	SSED	no U.	nowerd.	, vas	rester		· _ · · · · · · · · · · · · · · · · · ·	<del></del>			
COMPA				·		<del></del>		<del></del>			
			·	<del></del>		REMA	RKS		<del></del>		

Good draw-down. 1st, 3rd and 4th points line up with resulting slope of .56. The data point corresponding to the 4th rate of flow also represents the data point for the 24 hr. continuation of flow.

## 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 ( $P_{\rm W}$ ). 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.
- Ft Flowing temperature correction factor.
- Fny Supercompressability factor.
- n \_ 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  $P_{\rm t}$ .