				MULTI-	POINT BA	ACK PRES	SURE TEST	r FOR GAS	WELLS	17 /	Revised	12-1-55 05	
Pool	Eu	mont ———		Fo	$rmation_{}$				_County				
Init	itialAnr			nual			ial	X	Date of Test		1/7 - 11/57		
Company Company				any SEMU I Lease			mont Well No.			66			
Unit Sec. Twp. 208 Rge. 375 Purchaser E. P. N. G.  Casing 5 1/2 Wt. 1.D. 5.012 Set at 3799 Perf. 3548 To 3707													
Cont	5 1/2	·	14 ,		.012	3'	799 Pa	35e	lit ,	'o	3 <b>7</b> 07		
Tubing Wt I.D Set at 3463 Perf To													
Gas Pay: From 3548 To 1.0. Set at Ferr. 10 Bar. Press. 13.2													
Prod	Producing Thru: Casing Tubing X Type Well Single  Date of Completion: S-20-56 Packer None Reservoir Temp.												
Date of Completion: Packer None Reservoir Temp. 90													
OBSERVED DATA													
Tested Through (Prover) (Choke) (Meter) Typ									Type Taps	oe Taps Flange			
							Tubing	Data	Casing Da		<u> </u>		
	(Prover)	(Cho	oke)	Press.	Diff.	Temp.		Temp.	Press.	Temp.	D	uration	
No.	(Line) Size	(Ori	Cice) Lze	psig	h <sub>w</sub>	$\circ_{\mathtt{F}}$ .	psig	o <sub>F</sub> .	psig	°F∙	<b>'</b>	of Flow Hr.	
SI	1.	<del> </del>	250	648	6,25	- 85	1030		1030		72	2	
1.1	- 4	_	250	603	20,2	79	971		1002 979		24	.1	
2. 3.	<del>-</del>	2.	250	63.2	47.6	75	920		344	<u> </u>	24		
4.		7.	250	619	<del>- 64, 09</del>	76	872	*	911 *		24	,	
5.													
THE CALCULATION C													
	FLOW CALCULATIONS  Coefficient   Pressure   Flow Temp.   Gravity   Compress.   Rate o								f Flow				
No.	_ ا		ر ا			Factor		Factor	Facto		Q-MCFPD		
	(24-Hour)		V hay!	.58	psia	F 	čt,	• <b>9463</b>	Fpv 1.061.		@ 15.025 psia 608		
1.	9.643		111.69			,98:	22		1.06		1062		
2.	9.643		172.50			989			1.06	ti l	1651		
3.	9.643		301.13			<del></del>	<del>50  </del>		2.064,		1923		
4. 5.													
PRESSURE CALCULATIONS  Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas  Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid  Fc													
	$P_{\mathbf{w}}$					<del>- 1</del>		<del></del>		1	1		
No.	XX	P	F F	cQ	$(F_cQ)^2$	(F	$(c_{c}^{Q})^{2}$ $(c_{-e}^{-s})$	$P_w^2$	$P_c^2 - P_w^2$	Ca	al.	Pw Pc	
1.	Phy(psia)					- 1 (1		2030.6	57.7		W	<del>.97 × -</del>	
2.	992.2							984.5	103.6			.95	
3.	957.2							916.2 854.1	172.1			.92	
4.	A series a ser							- J. (; ) L	234.2	<del></del>		.89	
Absolute Potential: Continental Cil Company MCFPD; n													
ADDF	低55	545	, p, 1	oward,	Gas Tos	ber			<u></u>				
AGENT and TITLE WITNESSED													
COMPANY													
* ]	Lasufficient	desin	iom -	choke	restric	tion. REI	MARKS						
	CC-3 EWH HI												

## 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 (Pw). MCF/da. @ 15.025 psia and 600 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.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_{\mathbf{t}}$ .