DUPLICATIVE MEXICO OIL CONSERVATION COMMISSION MCDSD CITICE GOO MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122 Revised 12-1-55

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Ini	itial		Annual	, ·		Spec	ial	Rivers X	Date of	Test_	une 22, 1956	
Company Continental Oil Company									1			
Unit MU Sec. 1 Twp. 21-S Rge. 36-E Purchaser												
Casing 5 Wt. 17.0 I.D.4.892 Set at 3608 Perf. 3225 To 3505												
Tubing 2" Wt. 4.7 I.D. 1.995 Set at 3484 Perf. Open End. To												
	Gas Pay: From 3225 To 3505' L 3365 xG 0.665 -GL 2237 Bar.Press. 13.2											
Producing Thru: Casing Tubing X Type Well Single												
Date of Completion: 4-3-38 Packer None Reservoir Temp. 900												
OBSERVED DATA												
Tested Through (Child (Meter) Type Taps Flange  Flow Data Tubing Data Casing Data												
	(Troter)	(chok	e) Pr	ess.	Diff.	Temp.	Press	Temp.	Press.			
No.	Size	(Orifi	ce) e p	sig	h <sub>w</sub>	°F.	psig	o <sub>F</sub> ,	psig	o <sub>F</sub> .	of Flow Hr.	
SI 1.	<u> </u>	1.500			12.3	74	670 617		623		72	
2.	10	1.500	2	05	20.3	57	578	**	589		24	
3.	<b>7</b> ii	1.500		09	27.0	58	546	-	560		24	
4. 5.		1.700		03	44.2	_60	490	<b>**</b>	518		24	
No.	Coeffici FLG (24-Hou	r) 7	√ h <sub>w</sub> p <sub>f</sub>		essure	FLOW CALCULATI Flow Temp. Factor Ft  1.0056		Gravity				
2.	13.99		64.5		8.2	1.0029		0.9498 1.09			914.4	
3。 4.	13.99				22,2	1.0019		0.9498 1.06			1060.8	
4. 5.	33877		94.7		216.2 1.0			0.9498	1.056		1324.4	
PRESSURE CALCULATIONS  Sas Liquid Hydrocarbon Ratio Dry Gas cf/bbl. Specific Gravity Separator Gas.  Specific Gravity Flowing Fluid Pc 683.2 Pc 466.8												
No.	P <sub>w</sub> Pt (psia)	Pt.	F <sub>c</sub> Q		(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>0</sub>	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca P	1. Pw Pc	
2.	636.2	2		<b>4 4</b>		**		362.6	104.2	***	93.	
3. [	573.2	8						328.6	138.2		83.9	
4. 5.	531.2			+-			•	282.2	184.6		77.8	
COMF ADDF AGEN WITN COMF	PANY Continues Box (NT and TITLE NESSED NOT PANY NOT	Nental 8. Eur W. E.	011	low	Maxic	MCFPD;	erinte		LIBIC Q	9		
Jul	ice, New A y 25, 1956	exico										

CC: NMOOC -3 RLA-1 HLJ-1 EWW-1 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.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{w}$  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.
- Fpv 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  $P_{\rm t}$ .