NEW MEXICO OIL CONSERVATION COMMISSION

HOTES CTFICE OCC

1937 CAN 10 PN Form 103-122

MULTI-POINT BACK	PRESSURE	TEST	FOR.	(LAS	WELLS
			- ^-	773	

Revised 12-1-55

Pool	Eumor	ıt		F	ormation	1955 (b)	J. 25		County	Leo)	
Init	ial		Annua.	l		Spec	ial	Ž.	_Date of		3-13 to 8-17-56	
Comp	any Conti	inental	011. G	ompany	r	Lease_M	syer B-4		Wel	l No.	24	
Unit C Sec. 4 Twp. 218 Rge. 36E Purchaser EPNG												
Casing 5 Wt. 14.0 I.D. Set at 3699 Perf. To												
Tubing None Wt. I.D. Set at Perf. To												
Gas Pay: From 3340 To 3506 L 3340 xG .665 -GL 2221 Bar.Press. 13.2												
Producing Thru: Casing Tubing Type Well Single Bate of Completion: 12-3-53 Packer None Reservoir Temp.												
	OBSERVED DATA											
Tested Through (Prover) (Choke) (Meter) Type Taps												
	HUVVVVV	Flo	ow Dat	a			Tubing	Data	Casing D	ata		
No	(Krowsk) (Line)	(Orifi	e) F	ress.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
	Size	Size	e	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.	
SI 1.	<u> </u>	1.500		(G)	8.72	62			967		72	
2.	<u>ls</u>	1.500			6.82	61.			795* 832	ļ. —	24,	
2• 3•	4	1.500		22	5.12				856		24	
4.	7	1.500		506	2.92				900	 	24	
5.		20,000					<u> </u>		,,,,,			
No. Coefficient Pressure Flow Temp. Gravity Compress. Rate of Factor Factor Q-MCFI (24-Hour) 7/hwpf psia Ft Fg Fg Fny @ 15.02												
		· V	/ h _w p _f		psia	F ₁	С	Fg	- PV			
1. 2. 3. 4.	13.99		214.00			.9981		.9498	1.068		3031	
2.	13.99		166.70			•9990		.9498	1.062 2350			
2°	13.99		128.5			<u>.9962</u>		<u>.9498</u>	1.069		1818	
2 •	13.99		72.1	۷		•9952		.9498	1.062		1013	
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid C												
No.	P _w Pt (psia)	Pt ²	F _c Q		$(F_cQ)^2$	_ _(T-	Q) ² e-s)	P _w 2	P _c -P _w ²	Ca P	w Pc	
1. 2.	808.2	653.2	2.7		7.3	1.0		54.2	306.6	808	<u>082</u>	
~ +	845.2	714.4	2.1		4.4	0.6		15.0	245.8	845		
?•	869.2	755.5	1.6	 -	2.6	0.4		55.9	204.9	869	.87	
3. 4. 5.	913.2	833.9	0.9		-8	0.1	8.	34.0	126.8	913	.93	
Absolute Potential: 9,500 MCFPD; n 1.000 COMPANY Continental Oil Company ADDRESS Box 427, Hobbs, New Mexico												
AGENT and TITLE W. D. Howard, Gas Tester WITNESSED												
COMPANYREMARKS												

*Well would not draw down 30% producing into line.

This well was previously tested ending 6-22-56 using proper sequence of rates.

A slope of 1.000 was drawn through highest data point on above test since on both tests n was greater than 1.000.

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 \equiv 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.
- $h_{\boldsymbol{W}^{\square}}$ Differential meter pressure, inches water.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I 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 $P_{\rm t}$.