## NEW MEXICO OIL CONSERVATION COMMISSION

HOBES OFFICE OCC.

Form C-122

Revised 12-1-55

Poo	l Jalmat		F	ormation	Yates		- 4899 HEE	County_	10:44 Lea	!
				·						
Initial Annual X Special Date of Test 3-7-58  Company Continental Oil Company Lease State A-32 Well No. 4										
Unit F Sec. 32 Twp. 22 Rge. 36 Purchaser El Paso Nat. Gas Company										
Casing 5 1/2 Wt. 14 I.D.5.012 Set at 3638 Perf. 3384 To 3550										
Tubing 2" Wt. 4.7 I.D. 1.995 Set at 3337 Perf. To										
Gas Pay: From 3384 To 3550 L 3337 xG .660 _GL 2202 Bar.Press. 13.2										
Producing Thru: Casing Tubing X Type Well Single  Single-Bradenhead-G. G. or G.O. Dual  Date of Completion: 2-11-57 Packer None Reservoir Temp. 900										
OBSERVED DATA										
<b>7.</b>										
Tested Through (Prover) (Chalce) (Meter)  Flow Data  Tubing Data  Casing Data										
$\overline{}$	(Decoxage)	KIKIKIK)	Press	Diff.	Temp.			Casing D		Duration
No.	(Line) Size	(Orifice) Size	psig	h <sub>w</sub>			1	psig		I OF FLOW
SI						637		637		72
1. 2.	L <sup>H</sup>	1.250	454	5.29	77	460		479	ļ	24
<del>2.</del> 3.	· · · · · · · · · · · · · · · · · · ·		+	+						
4.										
5 <b>.</b> l		<u> </u>		<u> </u>			L	L	1	<u></u>
						CULATION				
No.	1 /* 1 / .		Pı	Pressure Flow			Gravity	Compress. Factor		Rate of Flow
NO			h <sub>w</sub> p <sub>f</sub> psia		Ft		F <sub>g</sub> F <sub>p</sub>			
1.	9.643		9.70		.9840		.9535	1.048		470
2. I										
3. 4. 5.										
5.										
PRESSURE CALCULATIONS  Gas Liquid Hydrocarbon Ratio Dry cf/bbl. Specific Gravity Separator Gas .660  Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc 650.2 Pc 422.8										
No	xxx	P <sub>t</sub> .	E O	$_{\rm c}^{\rm Q}$ $({\rm F_c}^{\rm Q})^2$		0)2	ъ 2	$P_c^2 - P_w^2$	Ca	al. P.,
No.	Pt (psia)	ft	FcQ	(FCW)		$\frac{c^{Q}}{-e^{-s}}$	P <sub>w</sub> 2		F	P <sub>C</sub>
1. 2.	492.2	242.3		Measu	red		242.3	180.5		75.69
3.										<u> </u>
4.										
5.				<u>, , , , , , , , , , , , , , , , , , , </u>				L <u>.</u>	<u> </u>	
COMI ADDI AGEI WlTI	plute Potent PANY <u>Conti</u> RESS Box 6 NT and TITLE NESSED PANY	nental 0:	l Comp	any Mexico		n 0.7	771			
During the regular Multi-point testing schedule, a rate of flow could not be obtained. However, the data used here was taken from the deliverability test conducted 3-7-58. The average Jalmat slope of .771 was drawn thru the highest rate of flow.										

NMO/C-3 EWW HLJ RLA 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<sub>W</sub>). MCF/da. @ 15.025 psia and 60° 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.
- $h_{\mathbf{w}}$  Differential meter pressure, inches water.
- FgI Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{nv}$  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  $P_{\rm t}$ .