NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	Jales	at	F	ormation	1 Yate	18		County_	Lea		
Ini	InitialAnnual				SpecialX			Date of Test 5-20 to 5-24,1957			
Com	pany R. O	lsen Oil Co	omb en A		Lease	King NW		We	ll No	1	
	t E										
	ing 2" V										
	Gas Pay: From 2932 To 3253 L 1760 xG 0.650 -GL Bar. Press. 13.2										
Dot	Producing Thru: Casing Tubing Type Well Single Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.										
Date	e or complet	tion: June	20, 19	Packe	r		Reservo	oir Temp.			
					OBSERV	ED DATA					
Tested Through (Meter) Type Taps											
		Flow				Tubing	Data	Casing I)ata		
No.	(Time)		Press	Diff.	Temp.		Temp.		Temp.	Duration	
NO.	(Line) Size	(Orifice) Size	psig	h.	o _F .	ps i g	° _F .	psig	2F.	of Flow Hr.	
SI			+	w		868		868		72	
1.	4	1.750	716	17.64	74	720		727	1	24	
2. 3.	4	1.750	713	24.50	74	719		729		24	
4.	4	1.750	675 605	36.00 59.29	72 71	684 626		701	 	24	
5.			1			DAG		663		24	
No.	Coefficient (24-Hour) $\sqrt{h_w p_f}$ 19.27		w ^P f	FLOW CALC Pressure Flow T Fact psia Ft		m	Gravity Co Factor F Fg		r	Rate of Flow Q-MCFPD 15.025 psia	
1. 2. 3.	19.27	11	113.40		.9868		.9608	1.072		2,220	
3.	19.27		7.38		. 9887		.9608	1.072		2,612	
4.	. 19.27		0.96		.9896		.9608	1.061		3,077 3,712	
5.		L									
	iquid Hydro ty of Liquic Messured	d Hydrocarb			CSSURE CA cf/bbl. deg.	ALCU ATIC	Speci: Speci:	fic Gravi fic Gravi	tv Flowi	rator Gas ng Fluid	
· c	······································	 `	<u> </u>				- c		_rc		
No.	Pt (psia)	-	CQ C	$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	XXEX		
	733.2 732.2	537.6 536.1					547.9	228.6			
	697.2	486.1			_		550.9 510.1	225.6 266.4			
4.	639.2	408.6			1		457.2	319.3	 		
5.											
Absol COMPA	Lute Potenti ANY_		sen Oil	Company	_MCFPD;	n 1.000)				
ADDRESS 2805 Liberty Bank Building, Oklahoma City, Oklahoma											
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COMPA											
			····		DEMA	DVC					

INSTRUCTIONS

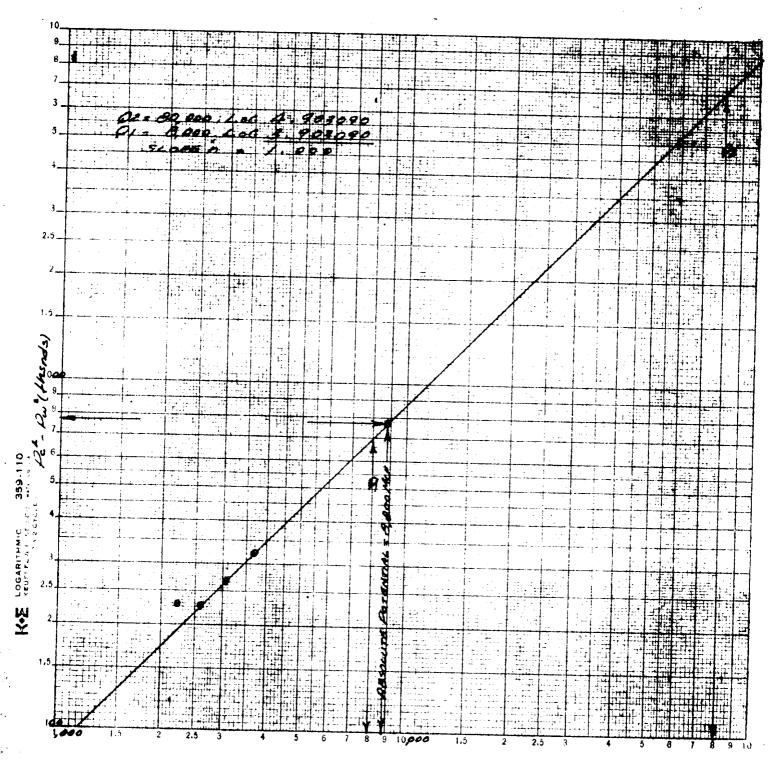
This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{L}}$.

R. OLSEN OIL CO. KING NN NOI E-1-23-36 LEA CO.NM. 5-24-1957



Q-MCFD-15.025 PSIA 60°F