					, A.S		mon dià	TOTAL TOTAL	Re		12-1-55	
Pool <u>Fumoni</u> Format					NT BACK PRESSURE TEST FOR GAS				WELLS Revised 12-1-55 County Lea			
Pool	Eumor	1Ř	r c	rmacion_	<u> </u>	28 321	40	D-16 T	lost 1	-7 +a	11157	
Initi	al	Anr	ual		Speci	al	<u>}``</u>	Date of 1	est	<u>.=/ w</u>	3-43-71	
Compa	ny <u>Conti</u>	Lnental O	Compa	ny L	ease	Meyer	3-4	Well	No	7		
Unit	R Se	:C	. qw!	1S Rge	36E	Purch	aser	E. P. N.	G.			
Unit R Sec. Twp. 218 Rge. 36E Purchaser E. P. N. G. Casing 5 1/2 Wt. 27 I.D. 4.892 Set at 3510 Perf. 3336 To 3510												
Tubing 2 1/2 Wt. 6, I.D. 2.441 Set at 3698 Perf. To												
Tubir	ng 2 1/2 Wt	· <u> </u>	ji • D • <u> </u>	Per Der	, a.u	78 101	_CT 6	NOTE I	Bar Pres	S -	13.2	
	Pay: From											
Producing Thru: Casing X Tubing Type Well G. O. Dual Single-Bradenhead-G. G. or G.O. Dual											al	
Date of Completion: Packer 3698 Reservoir Temp. 90°												
	-					ED DATA						
Tested Through (Provery) (Ohoke) (Meter) Type Taps Fienge												
Test	ed Through			(Merel)		<u> </u>	Data	Casing D				
	(Promary)		Data Press	. Diff.	Temp.	Tubing Press.	Temp.	Press.	Temp.	Γ	uration	
No.	(Prover) (Line)	(Orifice	\	j l			1	psig	□F.		of Flow Hr.	
	Size	Size	psig	h _w	• 1	psig		946			72	
SI l.	- Li	1.500	546					885 *		24 24		
2.	4	1,500		73.96				389 900	 		24	
3.		1.500	530		4 .		 	917			24	
4. 5.	4	1,500	547	23000	600							
<u> </u>		<u></u>			DI OU CAT	CITT A TTON	· S					
	Coeffici	ent P		FLOW CALCU Pressure Flow Te			Gravity		Compress.		Rate of Flow	
No.	Coeffici	enc	^			ctor	Factor	Factor Fpv 1.08%		Q-MCFPD @ 15.025 psia		
	(24-Hou	r) /	h _w p _f	psia	Ft		Fg					
1.	13,99		1.,70								95	
2.	13.99	20	4.24		.9850 .9831		<u></u>		81	2393		
3.	13,99		0,10		.9777		₹:	1.079		1652		
1. 2. 3. 4. 5.	13.59	13,99 118,32										
				PĮ	RESSURE	CALCULAT	IONS					
								ifia Cmay	ity Sena	rator	Gas	
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator deg. Specific Gravity Flowing F									'luid			
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing F. Specific Gravity Flowi									1			
Fc	2,507		(T_e	9 465	<i>t</i>		· ·					
		+										
Ma	PXX	P _t .	F _c Q	(F _c Q)	2 (F_{cQ}	P_{w}^{2}	$P_c^2 - P_w^2$	C	al.	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
No.	Pt (psia)		- c -	(-04)	1 _	1-6 0)				P _w	P _C	
1.	898.2	806.8	8.23	67.7		9.7	818.5 821.4	103.6		903.6		
2.	902.2	81.3.9	7.26	52.7		7.5 5.1	339.0	81.1		_ و	94 G5	
3.	913.2	833.9	5.00	36.0 17.2		2.5	367.8	52.3		6	97	
<u>4.</u> 5.	930.2	865.3	1000	196								
<u></u>	olute Poten	tial.	20,000)	MCFPI); n	67					
COM	PANY	Long	Inental	COTT COMP	E I I I							
ADI	RESS	20x	127. Hob	bs. New	Mexico							
	ENT and TITE			A 141 14								
CO) MTD	NESSED											
	Town PR at a					EMARKS						

CC: NMOCCO ENW HLJ RLA FTE EVB WOH

Attach.

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- PwI 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.
- $F_g = Gravity$ correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\rm t}$.

K. D. Hound, One Tueter