NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo	1			F0	rmation	Pict	ured Cli	ffs	_County	Rio Ar	riba		
Initial X Annual Special Date of Test 11-14-63													
Com	pany Penro	se Po	ductio	n Co.		Lease Florence			Well No. &				
Unit K Sec. 5 Twp. 25 Rge. 3 Purchaser_													
Casing 41 Wt. I.D. Set at 3830 Perf. 37/43 To 3777													
Tubing 1: Wt. I.D. Set at 3733 Perf. To													
Gas	Gas Pay: From 37/3 To 3777 L xG 62 est. GL Bar. Press.												
Pro	ducing Thru:	Cas	ing	X	Tu	bing		Type We	11 <u>Si</u> n	gle Cas	<u>. </u>		
Dat	Producing Thru: Casing X Tubing Type Well Single Cas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 11-7-63 Packer Reservoir Temp.												
	OBSERVED DATA												
Tested Through (Prover) (Choke) (Meter) Type Taps													
	(Process)	(Orifice)		ata Press. Diff		Town		g Data Temp.	Casing D	ata Temp.	Duration		
No.	(Line)					Temp.	İ	o _F .	1	op.	of Flow Hr.		
SI	Size	31	ze	psig	h _w	· · · · · · · · · · · · · · · · · · ·	876	F.	877			145 4	
1. 2.	2"	2,	/4#	609		63°	807			3 Hrs.		Hng	
2. 3.		7/	4	007			007				7 111 34		
4. 5.								 					
7.		<u> </u>	-		ł. <u></u>	<u> </u>				<u></u>		 	
No.	Coefficient (24-Hour)		√ h _w p		essure Flow		CULATION Temp. ctor	Gravity	Compress. Factor		Rate of Flow Q-MCFPD @ 15.025 psia		
1.			· · · · ·	M. I									
2 . 3.	12.365				621	997]		.0 837	1.062		7999		
4. 5.													
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 889 Pc 790.321													
No.	P _w Pt (psia)		Fc	Q	(F _c Q) ²	(F _c Q) ² 1-e ^{-s})	P _w 2	P _c -P _w ²		al.	P _w P _c	
1. 2.								/mc este	320 22				
3. 4.	819							670 , 761	119,560	 		6.6102	
5.									<u> </u>				
Absolute Potential: 39.830 MCFPD; n=.35 4.9794 COMPANY Penrose Prod. Co. ADDRESS													
AGENT and TITLE T. A. Dugan. Consulting Engineer Original signed by I													
WITNESSED_COMPANY													
	REMARKS NOV1 9 1963 OIL CON. COM.												
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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.
- P_c = 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 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 $P_{\mathbf{t}}$.