NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	ool Basin Dakets			Fo	_Formation			County 200				
Init	ialX	 	Annual			Spec	ial		_Date of T	est_	20-64	
Comp	any A	tec all	A Ous (y	Lease	(82,103	*D**	Well	No. 1	<u> </u>	
Unit C Sec. 7 Twp. 118 Rge. 118 Purchaser Southern United Case												
Casi	ng 4-1/2	Wt 9.5	10.5 I.D	. h.oc	9 Se	t at	20Pe	rf7]	lo <u>†</u>	473	
Tubing 2-1/8 Wt. 4.7 I.D. 1.995 Set at 7314 Perf. Pinned Caller To												
Gas	Pay: From	m 7346	_To7	75	_L 7	<u> 114 x</u>	G_700(e	*)_GL	119 E	Bar.Pre	88	
Prod	Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual											
Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Packer Reservoir Temp.												
OBSERVED DATA												
Tested Through (Choke) (Choke) (Tester) Type Taps												
		1 70h	Flow Dat	3.	Diee		Tubing	Data	Casing Da	ta	Duration	
No.	(Line)		ize		•			1	psig	1	. 6 777	
ST	Size	- S:	ize	osig	n _w	···						
1.	days	N/					1/4	EF(est)	736	GP(est) here	
2. 3.								 				
4.								 				
5.												
FLOW CALCULATIONS												
No.	Coeffici				essure	Flow Temp. Factor		Gravity Factor	Compress. Factor F _{pv}		Rate of Flow Q-MCFPD	
-			√ n _w p _f		psia No	1,000		g	P P P		# 17.02) psia	
1. 2. 3. 4.	12,395				120	L OVADA	<u> </u>	.92,93	1,092		2106	
3.											······································	
4.												
5.1			L									
					PRI	ESSURE CA	alcui at i	ONS				
	iquid Hyd:					cf/bbl.	•		fic Gravit			
ravity of Liquid Hydrocarbons (1-e ⁻⁸)									ific Gravity Flowing Fluid			
c			\	- <u></u> _				P _c		. C		
No.	P _w	P	F _c Q		$(\mathbf{F_cQ})^2$	(F.	c ^{Q)2}	P _w 2	P _c -P _w ²	Cal		
1.	Te (psia					(1.		57,604	3,674,460	P	4 1.C	
1. 2. 3. 4. 5.												
3.		 -								 		
3. 1										<u> </u>		
Absolute Potential: MCFPD; n Original Signed By												
ADDR			510, Fam		ch, Nov	Veni co		-	Jameson	. 		
AGENT and TITLE												
	ESSED											
COMP	ANI		·			REM	ARKS	<u> </u>	COTHIN	100		
	-					- 			RILLIVI	0/		

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 Tactual 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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 $P_{\rm t}$.