NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo	Rasin Dakota			F	rmation	Del) a kota		_County_Rio_Ar		riba	
Ini	tial	·	Annual		Special				Date of Test 2-15-61			
Company kay Aimbell Oil Op				perator Lease Bolack					Well No. 1			
Unit n Sec. 1 Twp. 24N Rge. 6 w Purchaser None												
Cas	ing 7 7 V	it. 23	I.D.	6.	366 Se	t at	040Pe	rf	6766	To7	7004	
					1.995 Set at 69°							
Gas Pay: From 6854 To 7004 L 6937 xG 680 TGL 4717 Bar. Press. 12												
Producing Thru: Casing Tubing X Type Well Single - Gas Single-Bradenhead-G. G. or G.O. Dual												
							Sin	gle-Rrade	nhead-G.	G. or C	.0. Dual	
							ED DATA		_	-		
Test	ted Through	(Preven	(Cho	ke)	(Motor)				Туре Тар	s		
~	Flow Data						Tubing Data		Casing Data			
No.	(Line)	(Orific	ce)		[]	-		1		1	Duration of Flow	
SI	Size	Size	∍ I	sig	h _w	·F.			psig		Hr.	
1.		3/47		280		70	2200 2월0		22:0 685		3 Krs.	
2.												
1. 2. 3. 4.		<u>L</u>										
5.								L				
							CULATION					
No.	Coeffici	Coefficient (24-Hour) $\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$!					Compress. Factor		Rate of Flow	
1	(24-Hou					Ft		Fg	F _{DV}		€ 15.025 psia	
1. 2.	12.3650			292			9905		1,029		3.357	
3.				 								
4. 5.				1								
2•1												
					PRI	essure c	alcui ati	ons				
	iquid Hydro					cf/bbl.		Speci	fic Gravit	ty Sepa	rator Gas	
	ty of Liqui		arbons: 1 – e	-8\		deg.					ring Fluid	
C			(1_0	<u> </u>				1 C	2212	rc	4.892.9	
	$P_{\mathbf{w}}$		Γ			1						
No.	Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(F.	Q) ² -e-s)	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca		
1. 2.	TC (pola)			1		1 (1		85 8	4407.1	F.		
2. 3.									440111		•315	
4.												
5.			L									
Abso	lute Potent	ial:_3	737			_MCFPD;	n75					
ADDR	ESS P.O.	Box 109	7 Fa	ו ליוויים	neton	Now No	xio	<u>().</u>				
AGENT and TITLE reduction Supt.												
	ANY								······································			
						REM	ARKS					

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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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 Supercompressibility 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 $P_{\rm t}$.