MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	ool South Blanco				ormation	Pict	tured C1	iffs	County Rio Arriba			
[niti	al <u> </u>		_Annu	ual		Spe	cial		Date of	Test	8-23-65	
											7	
									outhern Un			
											36591	
									one			
											ss. <u>12</u>	
rodu	cing Thru:	Ca	sing		Tu	bi.ng	Si	Type W ngle-Brad	ell <u>s</u> enhead-G.	ngle G. or G	.O. Dual	
ate	of Complet	ion:_	8-	17-65	Packe	r <u>No</u> 1	20	Reserv	oir Temp.			
						OBSER	VED DATA					
este	d Through	(Pro	ver) 1	Keres	(METER)				Type Tap	S		
					(####							
	(Prover)	deu	low D	ata TPress	Diff	Temp	Tubin	g Data . Temp.	Casing D	ata Temp.	Duration	
lo.	İXXXX	(Ori:	fice)			_				1	of Flow	
	Size	S	ize	psig	h _w	°F.	psig	°F.	psig	[⊃] F•	Hr.	
I							988		988		S1 - 144 hrs	
2.	2"	3/1		965		606	968		965	60°	1 hre	
	2" 2"	3/8		873	 	60°	891		873	60 ⁰	1 hr.	
	2"	1/2 3/4		744 462	 	63°	785 604	+	744	630		
		-3/4		402		- 03	004	1	462	0.3	1 hr.	
						ETOM CAI	LCULATIO	M C				
	Coeffici	ent		Pi				Gravity	Compre	ss.	Rate of Flow	
o.			 			Fac	ctor	Factor	Facto	r	Q-MCFPD	
	(24-Hou	r)	$\sqrt{h_w}$	pf	psia	1		${ t F_g}$			@ 15.025 psia	
.	,7851 3,0691		<u> </u>		977	1.00	00	0.9463			809	
	3,0691				885	1.00	00	0.9463			2832	
с	5,5233				756	0.9		0.9463			4283	
	12.2023				474	0.9	971	0.9463	1.053		5747	
avity	quid Hydro y of Liqui messured		rocarb		PR	ESSURE c cf/bbl deg		Spec Spec	ific Gravi ific Gravi 1.000	ty_Flow	ring Fluid670	
	men ant a a			1 -6 - <u>7</u>			-	^г с—	1,000	rc_ 	00,000	
10.	Pw	P	2 F	'cQ	$(F_cQ)^2$	(1	F _c Q) ² 1-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	Pw Pc	
	980							960,400	39,600		98.0	
	903							815,409	184,591		90.3	
•	797							635,209	364,791		79.7	
	616							379,456	620,543	-	61.6	
bsol	ute Potent	ial:_	7	600		MCFPD	; n	.58				
OMPAI				1 Comp								
DDRE		O. Bo	1621	DUE	eo. Col	orado		13.6 M	7/-			
GENT LINES	and TITLE	7		rett.	IBSE EN	KIDSEL		1.6.AL	· //			
OMPA!			ack I	223 1	latic							
						REI	MARKS		CHI	-/		
						1			IED /	•		
								(1.12)	3 13020W	\		
								Igh	3/30, W.	}		
								1 0	/ 2 CO.	1		
								1 St	13° 3 1	<i>!</i>		

INSTRUCTIONS

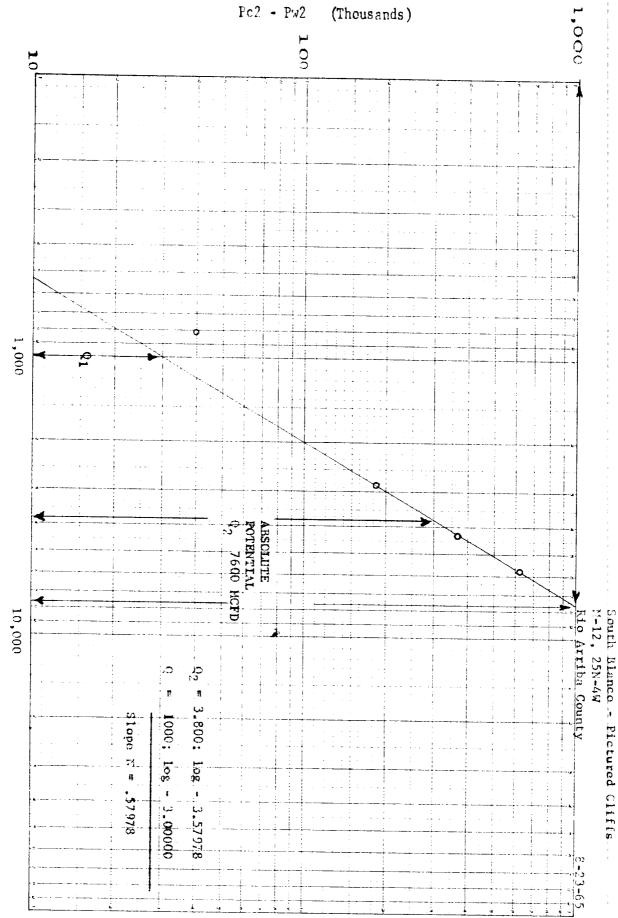
This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q I 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.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P₊.



Q - MCFB - 15.025 PSIA

Continental Oil Company AXI Apache "h", No. 7 South Blanco - Pictured Cliffs. M-12, 25N-4W

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