Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Blanco F	esaver	de	_Formation	Mesa	verde		_County	San Ju	an	
Init	ial	.,	Annual_		Spec	ial		_Date of	Test	8-28-57	
Comp	any Black	rood &	Nichols (Ompany	Lease	ortheast	. Blanco U	i nit Wel	1 No3	<u>)5-19</u>	
Unit	_ _S	ec. <u>19</u>	Twp	301 Rg	e. <u>7W</u>	Purc	haser <u>El</u>	Paso Natu	ral Gas	Co.	
Casi	ng_5-1/2" W	t• <u>15.5</u>	<u>o_</u> I.D. <u>4</u>	.950 _Se	t at_ <u>568</u>	71Pe	rf. <u>5110</u>)1	To <u>55</u> 9	341	
Tubi	ng <u>2-3/8</u> W	t. <u>4.7</u>	I.D	L .995 Se	t at <u>550</u>	91 Pe	rf. 5466	3 •	To 545	541	
Gas :	Pay: From_	51101	To 559	1 L 5	5 94 1 x	G655		64	Bar.Pre	ss. 11.5	
Prod	ucing Thru:	Casi	ing	Tu	bing	x	Type We	11 Gas	1		
	of Complet					Sin	gle-Brade	nhead-G。	G. or G	.O. Dual	
	•				,	ED DATA	··				
Test	ed Through	(Drosse	(Chok	a) (Matan)				Type Tap	c		
1650	ed Infough			e) 14444		(Deals des	Data				
	(Prover)	(Chok	· .	ss. Diff.	Temp.	Press.	Data Temp.	Casing D	Temp.	1	
No.	(Line) Size	(Orifi Siz	· 1	ig h _w	°F•	ps i g	°F.	psig	⊃ _F .	of Flow Hr.	
SI						1049		1049		3 hrs.	
1. 2.	3/4		42	5		425		961) iii 8 •	
3. 4. 5.											
<u>5. l</u>									<u>i</u>		
— Г	Coeffici	ent		Pressure	FLOW CAL		S Gravity	Compre	ss.	Rate of Flow	
No.	(24-Hou	.		psia			Factor F_g			Q-MCFPD @ 15.025 psia	
1.	12.3650		√ h _w p _f 436.5	F				- p v		5397	
1. 2. 3. 4.				·							
4. 5.											
				PR	ESSURE C	ALCUTATI	ons				
las L	iquid Hydro	ca rhon	Ratio		cf/bbl.			fic Gravi	tv Sepa	rator Gas	
ravi	ty of Liqui	d Hydro	carbons		deg.		Speci		ty Flow	ing Fluid	
`c			(1-e				* C—-	GOV 3	C -	-	
	$P_{\mathbf{W}}$	_2	T	/= ->2		2)2	F ^	_2 _2	T	,	
No.	Pt (psia)	P_{t}^{2}	F _c Q	$(F_cQ)^2$	(F	c ^{Q)²} -e⁻s)	P_w^2	$P_c^2 - P_w^2$	1	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
1. 2.	7 -						946	178		.92	
1. 2. 3. 4. 5.											
		:									
	lute Potent ANY Blac			Company	MCFPD;	n	.75				
ADDR). Box	1237. Dur	rango, Colo			e. Field	Superinte	ndent.		
WITN	ESSED	by De	Lasso Loos			- 146 - 146	e rrord				
COMP	ANI				REM	ARKS			100		

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 $(P_{\rm W})$. MCF/da. @ 15.025 psia and 600 F.
- P_c 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.

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