MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	1 Blanco	Mesaver	de	Formati	.on M	saverde		County_	San Ju	an	
Ini	tialX		Annual_		Spe	ecial	·	Date of	Test	11-11-57	
Com	pany Hack	mood & N	ichols (COMPANY	Lease	Northeast	Blance !	Jnit We	11 No	42-19	
Uni	t N	Sec 19	Twp	3111	Rge	Purc	haser_K	L Paso Na	tural G	as Company	
Cas	ing 5-1/2"	Wt. <u>15.5</u>	0 . I.D.	4,90	Set at	57971 Pe	rf <u>52</u>	341	_To	57001	
Tub	ing 2-3/8"	Wt. 4.7	_I.D	4,995	Set at	5633' Pe	rf. 55	391	То	56011	
Gas Pay: From 5234 To 5700 L xG .655 -GL 3734 Bar. Press. 11.5											
Producing Thru: Casing Tubing T Type Well Ges Single-Bradenhead-G. G. or G.O. Dual											
Date	Date of Completion: Packer Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.										
						VED DATA					
Test	ted Through	(Pere	(Chok	e) (Nete	<u>*)</u>			Type Ta	ps		
	(Prover)		w Data	ee Dif	f Temp	Tubing Press.	Data	Casing Press.		Duration	
No.	(Line) Size	(Orific	:e)			ĺ		psig	1	of Flow	
SI	5126	5126	ps	ig h _w	F •	1124	r.	ps1g	-F•	Hr.	
1.	3/4*	315				315		812		3 hrs.	
3.		†									
<u>4.</u> 5.						+	<u> </u>		 		
					FI.OW CA	LCULATION	<u> </u>	 		<u> </u>	
No.	Coefficient			Pressure	Pressure Flow		Temp. Gravity		ess.	Rate of Flow	
	(24-Hour) $\sqrt{h_{W}p_{f}}$		l la		ccor raccor		ractor		Q-MCFPD @ 15.025 psia		
1. 2. 3. 4.	12.3650		<u>.</u>	323.5	-					4000	
3.											
5.								-			
				F	PRESSURE (CALCUIATIO	ONS				
	iquid Hydro ty of Liqui		arbons		cf/bbl. deg					rator Gas	
`c			(l-e	<u>s)</u>		-	Pc	1135.5	_Pc1	289	
	$P_{\mathbf{w}}$										
No.	Pt (psia)	Pt ²	F_c^Q	(F _c Q)	r^2 (1	$(c_c^Q)^2$ $(c_c^Q)^2$	P_w^2	$P_c^2 - P_w^2$	Ca	P _W P _C	
<u> </u>	Tt (psia)					L=e -)			- P	w Pc	
2. 3.		,					-				
1. 2. 3. 4.											
	1to Day = 3		000	-							
Absolute Potential: 7002 MCFPD; n .75 COMPANY Blackwood & Michels Company											
ADDRI AGEN	ESS P. T and TITLE	0. Box 1	237. Du	rango. Co	lorado	I		Chamara and an A			
WITN	ESSED		al Signed asso Loos			Lesso Leo	. Fleld	Superinte	ndent	2 3	
COMP	ANY				REM	1ARKS			10	हु <u>जि</u>	
					16131				DIST.		
									ω	S 1957	

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 \equiv 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
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t 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 $P_{\mathbf{W}}$ 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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