MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	<u> </u>	sin		F	rmation	Dak	ota	<u> </u>	_County	San Ju	an
Init	ialX		_Annu	al		Spec	ial		Date of	Test_1	2-16-60
	oany Re										
	<u> </u>										
	ng 4-1/2" W										61
	ng 2-3/8 " W										
											255•
	ucing Thru:										
Date	of Complet	ion:	11-27-	-60	Packe	r	Sir	ngle-Brade Reservo	enhead-G. o oir Temp	G. or C	.0. Dual
							ED DATA				
Test	ed Through	(Prove	er) (0	Choke)	(Meter)				Type Tap	s	
				ata			Tubing	Data	Casing D		1
No	(Prover) (Line)	(Chol	ke) ice)	Press.			Press.	Temp.	Press.	Temp.	Duration of Flow
	Size	Siz	ze ,	psig	h _w	°F.			psig	[⊃] F•	Hr.
SI l.							2032		21.25		
2 . 3.		3/4"		400		70			1030		3 hrs.
4. 5.								 			
			-]	FLOW CAL	CULATION	ıs		·	
No.	Coeffici	ent		Pr	essure	Flow Tact	Temp.	Gravity Factor	Compre	ss.	Rate of Flow Q-MCFPD @ 15.025 psia
	(24-Hou	r) -	√ h _w r	Pf	psia	F	t	$^{\mathrm{F}}_{\mathbf{g}}$	Fpv		@ 15.025 psia
1. 2.	12.3650							n out	1		
3 c 4 c 5 c	124,50,50				412	0.9905		0.9258	1.048		4896
<u>5. l</u>	· · · · · · · · · · · · · · · · · · ·										
				*		ESSURE CA	A.LCUTATI	ONS			
	iquid Hydro ty of Liqui		carbo	ns		cf/bbl.		Speci	fic Gravit	ty Flow	rator Gas ing Fluid
c			(1	L-e ⁻⁸)				Pc	2137	Pc	.567
	P _w		 							1	
No.	Pt (psia)	P_{t}^{2}	Fo	Q	$(\mathbf{F_cQ})^2$	(F ₀	Q) ²	P _w 2	$P_c^2 - P_w^2$	Ca	P _W P _C
1. 2.	- C (poza)					(_				<u> </u>	W - C
3. +	1042		1						3481	 	1.312
3. 4. 5.											
	lute Pocent		60 rd In			MCFPD;	n75	1.226			
ADDR)	ESS Box 17 T and TITLE	47, ML	dland	Tome	neul til	e Englis	er .				
	ESSED										
	J714 T					REMA	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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.

STATE OF NEW	MEXICO	
OH CONSERVATION	OMMISSIO	
AZTEC DISTRICT		_
NUMBER OF COPIES RECEIVE) N	⊋
	1 / 1	
SANTA FE	_	
FILE	╌┠╌╌╃╌╌╌┞┈╴	
U.S.G.S.	- -	
LAND OFFICE		
TRANSPORTER G.	<u> </u>	
PRORATION OFFICE		
OPERATOR	_!!-	