MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

ool astec-Fru	Ltiand	Fo	rmation_	Fruit	100		Count;	an Just	
(New 1 with nitial 1	z tec- :1 Ar	nual	1778) 	Specia	al		Date of T	est	et er 28, 1959
ompany an a									
									3 TENANT
asing 3-1/4 W	t	_1.D 2. \$	Set	at sons	Fer.	Plet	res III	rs pro	55 police string,
ioing 1-1/2 W									
as Pay: From_	-								
oducing Thru:	Casing	3	Tub	ing	0	Type Well	ll itte	L RAU	C Dual
te of Complet	ion: 10 -	-16-59	Packer	1780	Sing	_Reservo:	ir Temp.	90° E	
· ·				OBSERVE					
	. –	\	(25-min-min-min-min-min-min-min-min-min-min	ODODANA	D.1.1		Type Tab	e	
ested Through	(Single-part)	(Choke)							
(Research		v Data	. Diff.	Temp.	Tubing Press.	Data Temp.	Casing Da	Temp.	Duration
c. (Line)	(CHICAGO	(E)			1	i	psig	i !	of Flow Hr.
Size	Size		h _w	° _F .	psig	ř.	ps. ₃	Γ.	111 •
I Shut		154	E	0°684					3 hours
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. 2*								<u> </u>	<u> </u>
			F	LOW CALC	ULATIONS	5			
Coeffici	ent	P	ressure	Flow T	'emp.	Gravity	Compre	SS.	Rate of Flow
(2/1=Fo)	$\sqrt{h_W}$		p s ia	Factor F+		F	Vac -	1	@ 3.025 psia
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. 12,305									
7 .									
			PRE	ESSURE CA	ALCUFATIO	ONS			
T * - 23 Mada		ntio		cf/bbl.		Sneci	ific Gravi	tv Sepa	arador Gas
s Liquid Hydro avity of Liqu	id Hydroc	arbons		deg.		Speci	lfic (ravi	tyFlov	wing Fluid
		(1-e ⁻⁵)				^Р с—	979	Pc	J. 1 9 71-49
P _w	P ²	FO	$(F_cQ)^2$	(F	2)2	P_w^2	P2 -P4	7,	$\mathbf{P}_{\mathbf{w}}$
lo. Pt (psia)		F _c Q			_c ⊋) ² -e ^{-s})				P _W P _C
	Fylati	on Loss N	न्द्राचिक			27,556	357,36	e 15	4
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COMPANY									
				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 I Actual rate of flow at end of flow period at W. H. working pressure (P_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- $F_g = Gravity$ 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 $P_{\mathbf{t}}$.

OIL CONSERVATION COMMISSION									
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