MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

OOT	<u>in isa</u>	nated		Formation	8	cirta		_County	47	uan	
	ial										
omp	any E	ill and	Tage Song	ery	Lease	0.114	\$ *A**	Weli	1 No	2	
it	<u></u>	ec. 17	_Twp2	Rg_Rg	e. 11-	Purcl	haser				
si.	ng W	t. 23 8	₹1.D	Se	t at	Per	rf		То	4.55	
	ng_2 3/6 W										
										ss	
od	ucing Thru:	Casin	ıg	Tu	bing	X	Type We	11	is- at	<u> </u>	
ţе	of Complet	ion:	182/59	Packe	r	Sing	gle-Brade Reservo	nhead-G. (ir Temp	G. or G	.O. Dual	
T.	- 00					ED DATA		_			
	ed Through	(Prover	·) (Choke) (Meter)				Type Tap:	s		
		Flo	w Data			Tubing	Data	Casing Da	ata		
	(Prover) (Line)	(Choke	Pres	s. Diff.	_	Press.	•		Temp.	Duration of Flow	
1	Size	Size	psi	g h _w	°F.	psig	o _F .	psig	[⊃] F•	Hr.	
╀	·	•7	3 370			199 7		2.02 9.7		7	
T		77		<u>' </u>		g/ ₹ ±		333		10.18	
Į											
╀											
<u></u>											
_						CULATIONS			·		
	Coefficient					Temp. Gravity ctor Factor				Rate of Flow Q-MCFPD	
	(24-Hou	r) ₇ /	h _w p _f	psia	F ₁	t	Fg	Fpv	I I	9 15.025 psia	
	12.305	<u>_</u> _		3.63	•97	24	.9200	1.13		4,757	
L											
╀					·						
┢							·				
	iquid Hydro	carbon R	atio		ESSURE CA	ALCUT ATI C			tv Sena	rator Gas	
	ty of Liquid				deg.		Speci		ty Flow	ing Fluid	
_	P _w		arbons		deg.	Q) ²	Speci	fic Gravit	ty Flow	ing Fluid	
_	by of Liquid	d Hydroc	arbons (1-e ^{-\$})		deg.	Q) ² -e-s)	Speci Pc	fic Gravit	PC Cal	ing Fluid	
_	P _w (psia)	d Hydroc	arbons (1-e ^{-\$})	(F _c Q) ²	deg.		Speci P _c P _w 2	fic Gravit	PC Cal	ing Fluid	
_	P _w (psia)	d Hydroc	arbons (1-e ^{-\$})	(F _c Q) ²	deg.		Speci P _c P _w 2	fic Gravit	PC Cal	ing Fluid	
	P _w (psia)	d Hydroc	arbons (1-e ^{-s})	(F _c Q) ²	deg.		Speci P _c P _w 2	fic Gravit	PC Cal	ing Fluid	
sol MPA DRE	Pw (psia)	Pt Pt	arbons (1-e-s)	(F _c Q) ²	(F. (1	n_ •?*	Speci Pc	fic Gravit	Ca. P.	ing Fluid Pw Pc	

OCT 5 1959 OIL CON. COM. DIST. 3

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
- 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.
- Ft Flowing temperature correction factor.
- F_{DV} 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_+ .

OIL CONSERVATION	RICTO	
No. Copies Receiv	red 2	1
DISTRI	BUTION	1
	PURSSIED	
Generalis*		
Protein a my different	The second secon	
Transporter Site		