OIL COM COM

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	Pool South Blance				rmation	Pict	ured Ci	liffs	County Rio Arriba		
Ini	tial <u>x</u>		_Annua	1		Spec	ial		Date of :	Te st	6-8-59
Com	panyCar	ılkins	011	Compa	ıny .	Lease	Breed	<u> </u>	Well	l No	PMD=224
Uni	t	Sec13	Twp	- 26	N Rg	e• 7	V Puro	haser_ So	uth er n U	nion G	as Company
Cas	ing_9_5/8 W	lt. 40#	I.	D. 8.8	35 Se	t at 29	97 Pe	erf 27	16	ro_275	Ç.la.
	Pay: From										
	ducing Thru:										
Date	e of Complet	ion•#	10 50		Packer	pper 4	954 Sir	gle-Brade	enhead-G. (G. or G	.O. Dual
540	o or compres	1011.	77-77		racker			nesei vo	TI Temb.		
		4-			,		ED DATA				
Test	ted Through				(\$16.50)				Type Taps	5	
	(Prover)		ow Dat		Diff.	Temp.		Data Temp.	Casing Da		Duration
No.	(Line) Size	(Orifi Siz	ice)					o _F .	psig		of Flow Hr.
SI		 		p018	11W		597	1	597		7 day S.I.
1.		3/4"		105		55°	105	550	380		3 hr test
2 . 3.	•							 			···-
4.		1						 			
4. 5.											
					τ	TOW CAT	CULATION	ic.			
	Coeffici	ent		Pr					Compres	3S.	Rate of Flow
No.	(0) 11		/		1	Fac	tor	Factor	Factor		Q-MCFPD
		r) 7	V h _w p _f					Fg	Fpv	(@ 15.025 psia
1. 2. 3. 4.	14.1605		· · · · · · · · · · · · · · · · · · ·	11	17	1.004	8	.9535	1.0	13	1.608
$\frac{\tilde{3}}{3}$											· · · · · · · · · · · · · · · · · · ·
4.											
5.											
ravi	iquid Hydro ty of Liqui	d Hydro	carbor			CSSURE C.cf/bbl.deg.	ALCU ATI	Speci Speci		y Flow:	rator Gas <u>.660</u> ing Fluid
No.	P _w	$P_{\mathbf{t}}^2$	FcQ	2	$(F_cQ)^2$	(F	cQ) ² -e-s)	P _w 2	P _c ² -P _w ²	Ca.	i
].]	392							53.664	217.217	392	
1. 2. 3. 4.			+							·	-
4.											<u> </u>
5 .]											
Abso	olute Potent					_MCFPD;	n_(1.71) ⁿ = 1	<u>.577</u> 6		
ADDR	ESS	30x 96	7. Fa	rmine	ton. N	ov Mar	ign				
AGEN	T and TITLE	Fiel.	d Sun	erint	endent	3	ran	6/2	ray		
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COMP	PANY					Mrag	ARKS	· · · · · · · · · · · · · · · · · · ·		 	
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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
- 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 _ 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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