MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Bagin Dak	ota		Fo	rmation_	Daket	<u> </u>		_County_	San J	wan	
				al	Special				_Date of	Test_	5-1-6	52
Compa	ny Seceny	Mebil	011	Co., Ir	16. I	_ease_Cr	endell-Fo	ederal.	We	ll No.	1	
Unit	S	ec	3 Twi	o. 261	IRg€	. 9 W	Purch	aser N	et Cenne	eted		
Casin	.g	t. <u>11</u>	5.5 I	.D	Set	t at <u>66</u>	15 Per	f		_To		
	g 2 * W	t. 4	7 _I	.D. 1.9	995 Set	t at65	15 Per	f. 65	541	_To	67101	
	ay: From_											
Produ	cing Thru:	Cas	ing		Tul	oi.ng	I	_Type We	11	dingle		
Date	of Complet	ion:	4-7-	62	Packer	No No	Sing	_Reservo	nhead-G. ir Temp.	G. or	G.O. D	uai
						OBSERV	ED DATA					
Teste	d Through	(Prov	er) (Choke)	(Meter)				Туре Та	ps		
			low Da				Tubing	Data	Casing	Data		
No.	(Prover) (Line)	(Cho		Press.	Diff.	Temp.	Press.	Temp.	Press.		$\overline{\cdot}$	Duration of Flow
_	Size	Si	.ze	psig	h _w	°F.	psig	°F.	psig	[⊃] F•		Hr.
SI		0.7	<u>50</u>	77		63	1911 77	63	1911 241		1 3	Hrs.
1. 2. 3.										#==		
$\frac{3}{h}$		¦								+		
4. 5.										1		
							CULATIONS					
No	Coefficient			Pr	Pressure Flow Temp.			Gravity Compress. Rate of Flo Factor Factor Q-MCFPD				
No.	(24-Hour		$r)$ $\sqrt{h_{w}}$		o _f psia		t	Fg	Fpv		@ 15.025 psia	
1.	12.3650				89	39 •997		1.000	1.007		1105	
1. 2. 3. 4. 5.												
4.											1	
<u>5.1</u>												
					PR:	ESSURE C	ALCUIATIO	ONS				
Gas Liquid Hydrocarbon Ratio					cf/bbl. S				pecific Gravity Separator Gas pecific Gravity Flowing Fluid 6600			
Gravity of Liquid Hydrocarbons Fc(1-e				ons 1-e ^{-s})		deg.		P _C 1923 P ²			owing b. 3697.9	·luid •000
" с			(<u> </u>			•	- C— -		· U	4-11-1	
	$P_{\mathbf{w}}$	52	2	. 0	(n.o.)2	(7	. 0,2	ר מ	$P_c^2 - P_w^2$	2	Cal.	D
No.	Pt (psia)	Pt	F	°G	$(F_cQ)^2$	(1	(cQ) ² (-e ^{-s})	P _w 2	rc-rw	^r	P _w	Pw Pc
<u> </u>								64.0	3633.	2		
1. 2. 3. 4.												
4. 5.									 			
	lute Pocent	ial:	112	<u>-</u>		MCFPD;	n •75					
COMPA	ANY Secony	Mobil	011	Joe, In	C. Nos I							
AGEN	ESS P. O. T T and TITL	E R. W	. Hen	erea.	R.w	neH	en by	Se				
WITH	ESSED B1	11 Day	yen Yet	al Gas	Co.		7	<u>,,,,</u>	ins	TITE:	<u> </u>	
COMP	NMOCC 4	Jan Jan		- Ces		REM	ARKS		JoH.	TVE	7/	
	File 1	EPNG	Gallo						/ KLU	400	2	
			Parri Disp.	_					MAY	196		
			•						OILC	ON. C		

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 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.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t 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 $P_{\rm t}$.