MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Beein I	abota		Fo	rmation_	1	lakota		_County	Sen .	lvan	
Init	ial	<u> </u>	Annu	al		Spec	ial		_Date of	Test	12-11-63	
Comp	any PAN AND	RICAN	PETROL	Dis COS	?. _ L	ease_	leCarty G	ns Unit	Wel	1 No	1	
Unit	. •	Sec. 1	5 Tw	p. 29	Rge	. 111	Purch	aser_				
	ng 4-1/2											
	ng 2-3/8								A			
								·		Bar.Pre	88•	
Prod	ucing Thru	: Ca	sing_	liene	Tub	ing		Type We	11 Sing	ile		
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. Date of Completion: 12-4-63 Packer Reservoir Temp.								G. or G	.O. Dual			
5400	or compre						ED DATA					
		/	· ·	\ =		ODSERV	ED DATA			•	Manan	
Test	ed Through							····	Туре Тар			
No.	(Liver) (Ch			ress.		Temp.		Data Temp.	Casing D Press. psig		Duration	
	(Line)	(Dine) (Orifi					i i			Op	of Flow Hr.	
SI	-day shuk-				g proces	COO [®]	2038		2860			
1. 2.											No Elew	
3.												
4. 5.												
<u> </u>	 	<u></u>		!						1		
	Coeffic	ient.	1	Pr			CULATIONS		Compre	ss.	Rate of Flow	
No.				Fac		tor Factor		Factor		Q-MCFPD		
	(24-Hour) -		√ h _w	o f	osia I		t	Fg	F _p v		● 15.025 psia	
1. 2. 3.			 									
3.			 									
4.												
5.												
					PRE	SSURE C	ALCUI ATI O	ns				
las I.	iquid Hydr	oca rho	n Ratio	0		cf/bbl.		Speci	fic Gravi	ity Sepa	rator Gas	
Gravity of Liquid Hydrocarbons deg. Specific Gravit								ty Flow	حيبكنست سيعاك			
`c			(l-e ⁻⁸)			-	^Р с—		_Pc		
					- <u> </u>							
			- 1			1			2 0			
NO	$P_{\mathbf{w}}$	P	2 F	ا ہ	(F ₋ Ω) ²	(F	ا ² (۵.۲	P 2	P~_P~	l Ca	.l. P	
No.		P	f F	e ^Q	$(F_cQ)^2$	(F	(cQ) ² (-e-s)	P _w 2	$P_c^2 - P_w^2$		P _w	
	P _w Pt (psia)	P	t F	c ^Q	(F _c Q) ²	(F (1	(cQ) ² -e ^{-s})	P _w 2	P _c -P _w		P _W P _C	
1. 2.		P	t F	e ^Q	(F _c Q) ²	(F (1	(cQ) ² (-e ^{-s})	P _w 2	P _c -P _w			
1. 2. 3.		P	t F	P _o	(F _c Q) ²	(F (1	(cQ) ² (-e ^{-s})	P _w 2	P _C -P _W			
1. 2. 3.		P	t F	cQ	(F _c Q) ²	(F (1	(cQ) ² -e ^{-s})	P _w 2	P _c -P _w			
1. 2. 3. 4. 5.	Pt (psia)		F.	e e	(F _c Q) ²	(F)		P _w 2	P _c -P _w			
1. 2. 3. 4. 5. Abso COMP	Pt (psia) lute Poter	tialia:	ICAN 71 Paraka	2004.500 g/cm, 1	CORPORA low March	MCFPD;	n	P _w 2	P _c -P _w		FC 3 1963	
1. 2. 3. 4. 5. Abso COMP ADDR AGEN	Pt (psia) lute Poter ANY ESS T and TITI	ialia:	CAN PR	Should be seen as a second sec	- CORPORA	MCFPD;	n	P _w 2	Pc-Pw	RI	C 1 3 1963	
Abso COMP ADDR AGEN	Pt (psia) Pute Poter ANY ESS T and TITE	ialia:	CAN PR	2004.500 g/cm, 1	CORPORA low March	MCFPD;	n	P _w 2	P _c -P _w		C 1 3 1963	

Well not potentialed because of fire baserd due to proximity of buildings, residences, etc.

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_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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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_t .