MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poc	1 Undesigns	ted Dakota	Fo	ormation	Dakot	ia		County_	San Ju	en
Initial X Annual			ıa1	Special			Date of Test 12-15-59			
Com	ipany Pan Ame r	ican Petro	Leum Coz	poratio	hease_Jc	hn Seh	umacher	We	ll No	1
Uni	t G S	Sec. 8 Tv	тр ЗОМ	Rg	e. 12N	Pur	chaser	-		
11.6 & Casing 4-1/2 Wt. 9.5 I.D.4				090 Set at 6790 Perf. 661			erf. 6616	To 6618		
Tub	ing 2-3/6 W	/t 4.6	L.D. <u>1.9</u>	95 Se	t at 659)2 Pe	Open erf.	ended 65	92 _To	
	Pay: From_									
Producing Thru: Casing Tubing X Type Well Gas - single Single-Bradenhead-G. G. or G.O. Dual										
Dat	e of Complet	ion: 12-8 -	59	Packe	r None	Sir	ngle-Brade Reservo	enhead-G. oir Temp.	G. or (G.O. Dual
					OBSERVE					
Tes	ted Through	(*****) (Choke)	źłóckick)				Type Taj	os •	.
		Flow I				Tubing	z Data	Casing I		
No.	(Line)	(Choke)	1		Temp.	Press	Temp.	Press.		Duration of Flow
	Size	Size	psig	h _w	o _F .			psig	[⊃] F•	Hr.
SI l.	Shut in 7				60 (est)	2072 295		2072 620	60(est	3 hours
2 . 3 .										
4. 5.										
]	FLOW CALC	ULATION	NS			
No.	Coeffici	ent	Pr	essure			Gravity Factor			Rate of Flow
	(24-Hou	$r)$ $\sqrt{h_{W}}$		psia	Ft		Fg	Fpv		@ 15.025 psia
1. 2.	12.3650		2	37	1.000		0.9258	1.02	28	2789
3, 4.										
5.										
				PRI	ESSURE CA					
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fl						ving Fluid				
'c		(l-e ⁻⁵)				P _c _ 20	84	_Pc_4,3	343,056
	$P_{\mathbf{w}}$	2				2		2 0		
No.	Pt (psia)	$P_{\mathbf{t}}^2 \mid F$	°S	$(F_cQ)^2$	(F _c)	Q) ² ∈~s)	P _w 2	$P_c^2 - P_w^2$	I	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
1. 2.							399,424 3	,943,632		
1. 2. 3. 4. 5.										
COME	PANY Pan Ame	rican Petro	leum Co	rporati	MCFPD;	n 0.75	<u> </u>			
ADDF AGEN	RESS <u>Box 187</u> NT and TITLE	Parmingto	n. New	Mexico		Run	Bane	2		
	NESSEDPANY									TEH/EN
					REMA	RKS			KI	Thris co
									(D'	EC3 1 1959 CON. COM.
	,								Jon	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 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
- P_f Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{nv} 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 CONSERVA	TION COMMISSION							
AZTEC DISTRICT OFFICE								
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Yransporter								
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