MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Po	ol Blance	<u> </u>		Fc	rmation	n	saverde		County_	Rio A	rriba
In	itial		_Annual			Spec	cial	**	Date of	Test_8	3-28-58
	npany Magno										
											ipe Line Corp.
	sing 5 #										
	oing 2 3/8*										
											ess. 12 psis
	ducing Thru						Sin	øle_Rrade	nhead_C	C 070 C	.O. Dual
Dat	e of Comple	tion:	8-12-5	8	Packe	r <u>yes</u>		Reserve	oir Temp.		Dual
						OBSERV	ED DATA				
Tes	ted Through	THE	(Cho	ke)	Merer				Type Tap	s	
		F)	low Data				Tubing	Data	Casing F)a+ a	
No.	(Prover) (Line)	(Chol	kė) Pr ice)	ess.	Diff.	Temp.	Press.	ł	Press.	Temp.	Duration
	Size	Siz	ze p	sig	h _w	°F.	psig	°F.	psig	[⊃] F•	of Flow Hr.
SI 1.	2*	3/4	2 2	60		61	1278 260	61 61	•		
2.			*+	30			200	01	-	**	3
3. 4.		1	-								
4. 5.							·				
					1	LOW CAL	CULATIONS	3			
No.	Coeffic			Pre	ssure	Flow '	l'emp.	Gravity	Compre	ss.	Rate of Flow
140.	(24-Ho	ır)	hwpe	q	sia	Fact	tor	Factor	Facto	r	Q-MCFPD @ 15.025 psia
1. 2.	12,3650		Λ M ₂ T		272 0,99				F _{pv}		3251
$\frac{2}{3}$											
3 e 4 • 5 •				 				·-····································			
5.											
					PRE	ESSURE CA	LCULATIO	ns			
as I	iquid Hydro	carbon	Ratio	_		cf/bbl.		Specia	fic Cravit	tu Sonni	rator Gas_ +
ravi	ty of Liqui	d Hydro	carbons		**	deg.		Specia	fic Gravit	y Flow	ing Fluid .680
c	9.402		(1-e	s)	0,259			P _c _1	290	Pc 14	664.1
- т	D					_					
No.	$P_{\mathbf{w}}$	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(F _c	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Ca.]	P.,
	Pt (psia)	74.0	30.6	İ	995.4			_ "		P _v	P _W P _C
2.		17650	70.0		7700		697	316.5	1347.6	-	
3. 4.		· · · · · · · · · · · · · · · · · · ·	•			4					
5.										<u> </u>	
Abso	lute Potent ANY MAGN				. 3.000	_MCFPD;	n <u>0</u>	.75			
ADDR	ESS P.	Box 2	TROLEUM 406. Hot	ba.	Keer Mer	100	:		·		
AGEN	T and TITLE ESSED	Jame	e a. 8	yar	, Ls.		Engineer		-/-		
	ANY			-					/2 1	₩	1
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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 = Actual rate of flow at end of flow period at W. H. working pressure (P_w) . MCF/da. @ 15.025 psia and 60° F.
- Pc 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.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I 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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