MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revis	ed	12	-1	- 5	5

Pool	Utero Chac	F6		Fo	rmation_	Chages			County	No ar	riba	
	tial <u>x</u>											
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	ing 14/2									ro 4 0	U	
										ľo <u>-</u>	**************************************	
	Tubing 2-1/8 Wt. 1.7 I.D. 1.995 Set at 4001 Perf. To To Gas Pay: From 4032 To 445 L 439 xG 700 set. GL 227 Bar. Press. 12											
Pro	ducing Thru	: Cas	ing		Tuc).'ug'	Sin	le-Brader	nhead-G.	G. or C	.0. Dua	1
Date	e of Comple	tion:	12-6-	<u>-62</u>	Packer			neservo.	rr remb•			
						OBSER V I	ED DATA					
Tes	Tested Through (Prover) (Choke) (Meter) Type Taps Tlasse											
		F	low Da	ata	Dice	Tomp	Tubing	Data Temp.	Casing Daress.	ata Temp.	Dv	ration
No.	(Line)	(Orif	ice)]	1 !			o _F .		t	1 0	f Flow Hr.
VO.T.	Size	Si	.ze	psig	h _w	· ·	375	 	157 6	 		
SI 1.	20 000	1/4	**	97			701	(60*586	7 228		3 10	urs .
2 .											1	
4. 5.				 	 							
-/-	<u></u>					ET.OW CAT	CULATION	S				
		Coefficient Pressure (24-Hour) $\sqrt{h_W p_f}$ psia 12,350			FLOW CALCULATIONS Flow Temp. Gravity Factor Factor		Gravity	Compress.		Rate of	Rate of Flow	
No.	(24-Ho			p _f	of psia		't	Fg	Fpv		- 2,00m/ F	
1.						1,000		,9258	1.01	1,011		1361
3.												
4. 5.											L	
	<u></u>				PR	ESSURE C	CALCULATI	ONS				
Cac	Liquid Hydr	oca rboi	n Rati	io		cf/bbl.	•	Speci	fic Gravi	ity Sep	arator	Gas
Grav	vity of Liqu	iid Hyd:	rocart	oons (1-e ^{-s})		deg.	•	Speci P. 9 0	fic Gravi	ity Flo P2	wing Fl	uid
F'c				(1 - e 2				- Ç <u>——</u>				
	P _w		2		(= 0)2		2 2	IS 0	$P_c^2 - P_w^2$		Cal.	P
No	Pt (psia) P	t I	F _c Q	$(F_cQ)^2$	(1	F _c Q) ² 1-e ^{-s})	P _w 2	"		P _w	P _W P _C
1.	24.0							/6 00	766864			
3.			1									
<u>4.</u> 5.	 										SCAL!	
Absolute Potential: 1332 MCFPD; n_ 0.75												
ADDRESS See 10. Farmington, New Medical												
AG:	ENT and TIT	LE F	u. F	cell,	Petroles	a Engine		W. #			il Com	com/
	TNESSED MPANY									<u> </u>	C.S.	3/
30		P(2	})		8.24	MARKS	0751 n. 75	1. 55th	1261-1	332	

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 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.
- $h_{\ensuremath{\mathbf{w}}}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV}^{-} 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 $P_{\mathbf{t}}$.