MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revised	12	-1-	-55

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Ini	tialX	Anr	nual		Spec	ial	**************************************	_Date of	Test	9=7-(0
om)	pany	Tarler Oll	Corrore	dia :	Lease	Mid		Wel	.1 No	11
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	ing 3-1/2 W								То	0864
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	ducing Thru:	oasing_	3.40	1 w	orug.	Sing	Type we gle-Brade	nhead-G.	G. or (G.O. Dual
HT.	e of Complet	10n:		Packe			Reservo	ır Temp		
					OBSERV	ED DATA				
est	ted Through	(Prover)	(Choke)	(Meter)				Type Tap	s	
	(Prover)	Flow (Choke)		Diff.	Temp.	Tubing Press.		Casing D	ata Temp.	Duration
۰.	(Line)	(Orifice)			o _F .				o _F .	of Flow
	Size	Size	psig	h _w	-r.	psig	· F ·	psig		Hr.
		3/4"	23/		PA.	237	4/2	57.5		3 Hours
<u>. </u>										
				I	LOW CAL	CULATIONS	3			
0.	Coeffici	ent	Pr			Temp.		Compre Facto	ss.	Rate of Flow Q-MCFPD
	(24-Hou	$r)$ \sqrt{h}	wpf	psia		t	Fg	Fpv	1	@ 15.025 psia
c	1 8.365			74%	U.S	732	0.8193	1,01	4	1911
								-		
1										
				PRI	ESSURE CA	ALCU!ATIO	ONS			
s I	iquid Hydro	carbon Rat	io		cf/bbl.		Speci	fic Gravi	tv Sena	arator Gās
avi.	ty of Liquic	d Hydrocar			deg.					ving Fluid
- Specie		······································	(1 <u>-e -)</u>	<u> </u>			F.C		rc	
				$(F_cQ)^2$		2)2		_2 _2		
ļ	₽w	-2		(H° ())~	(F,	$_{c}^{\mathrm{Q}})^{-}$	P _w 2	$P_c^2 - P_w^2$	Ca	$\frac{P_W}{P_C}$
) -	Pt (psia)	$P_{\mathbf{t}}^{2}$	F _c Q	(+ C.A.)	(1)	_e-s)	w	•	F	P _w Pc
		Pt ²	F _c Q	(1 CA)	(1)	cQ) ² -e ^{-s})	w		I F	P _w P _c
		Pt ²	F _c Q	(1,04)	(1.	-e-s)	W		I	w Pc
		Pt ²	F _c Q	(, c4)	(1)	-e-s)	W		F	w Pc
	Pt (psia)		D46			0.7			F	w Pc
oso OMP	Pt (psia)	ial: 3	046 12 Gorpe	ant los	MCFPD;	n_ 0.7			F	P _C
oso OMP ODR	Pt (psia) Plute Potent PANY PESS	ial.	046 11 Corpo	ant los	MCFPD;	n_ 0.7			F	W Pc
DMI DDR GEN LTN	Pt (psia) Plute Potent PANY PESS	ial.	046 12 Cospo 186, Feb	ration display	MCFPD;	n_ 0.7			F	W Pc

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 Eox 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- ? 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.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- $P_t = Flowing$ wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- FgI Gravity correction factor.
- Ft T Flowing temperature correction factor.
- F_{nv} 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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