PETER

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Revis	383	ŀ	12	_]	<u>-</u>	55

Pool	Under_	Pakota	F	ormation	1	akota		_County_	Sen J	14 0	
Init	nitial XX Annual		nual	Special				Date of Test 9-15-50			<u> </u>
Comp	oany politi	Taylor 04	Corpor	eties	Lease	lnde	lek	Wel	Ll No	a_	
Unit	2/2	Sec.	(wp	Rg Rg	e. <u>10-4</u>	Purc	chaser	-93	**	24 22	7124-56
Casi	ing 1-1/2 V	/t <u>17#</u>	I.D. 4.	892 Se	t at	160 Pe	rf. 7:50	. 84 - 84	To 71	78-47	7045-57
Tubi	ng 💌 V	/t. 17/	I.D. 4.	392 Set	t at	21.5 Pe	erf. Open	ended	То		
Gas	Pay: From_	7645 To	7193	L	x	G	38 GL		Bar.Pr	ess	_12
Prod	lucing Thru:	Casing_		Tul	oi.ng	1	Type We	ll sin	le me	. O. D.	
Date	e of Complet	ion: 7.	-24-40	Packer	_ Tene	211	Reservo	ir Temp.	G. or	3.0. Du	
					OBSERV	ED DATA					
Test	ed Through	(Enver)	(Choke)	(Meter)				Type Tap)s		
		Flow					Data	Casing I			
No.	(Line)	(Choke) (Orifice)			•		Temp.	Press.			uration of Flow
SI	Size	Size	psig	h _w	° _F .	psig	°F.	psig	F.	 	Hr.
1. 2.		8/4"	201		13"	2045 343	89	2035 1049	 		hours
3.							-				
4. 5.											
		····			LOW CAL						
No.	Coefficient			Pressure Flow Temp Factor		tor			npress. Rate of Flow Q-MCFPD		PD
1.	(24-Hou	(24-Hour) √ h _w p _f		psia F _t		t #7 ≇6	F _g	F _{pv}		@ 15.025 psia	
1. 2. 3. 4.											
4• 5•											
	·			PRF	ESSURE CA	A (.CIIT.ATT	ONS	- L	<u> </u>		· · · · · · · · · · · · · · · · · · ·
as L	iquid Hydro	carbon Rat	io		cf/bbl.			fic Gravi	t.v. Sena	arator (Gas
ravi	ty of Liqui	d Hydrocar			deg.		Speci	fic Gravi	ty Flow		uid
:		· · · · · · · · · · · · · · · · · · ·	.(2 0 2				- c		^ C		
No.	$P_{\mathbf{w}}$	Pt ²	F _c Q	$(F_cQ)^2$	(F	0)2	P _w 2	P _c -P _w ²	Ca	1.	p
	Pt (psia)	t	· c ·	(+ C4)	(1	cQ) ² -e-s)	- W~	-cw		W	P _w P _c
2.											
4. 5.									+		
	lute Potent		4718		MCFPD;		0,75				
COMP ADDR	ANYESS	P. O. Da	rior 011	Corpore 3	tion	10				· · · · · · · · · · · · · · · · · · ·	
AGEN	T and TITLE	J. Borr	- Met	Logiae	42 / 1	D.					
	ANY M		est the	Сопрвау	REM	ARKS					
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		e e e e e e e e e e e e e e e e e e e						RLL	FIAC i:) /	

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 \equiv 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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 $P_{\mathbf{t}}$.

