MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Euro	nt .	F	ormation	Actor		2 - 10	_County	Lo	<u> </u>		
Initi	Al	A)	nnual	The second section of	Spec	ial	X	_Date of '	Test_6	-11-50	i/6-15-56	
Compa	ny Sunray	Mid-Cont	inent 01]	. Co.	Lease_Al	aska Co	pper	Wel:	l No	4		
Unit	H S	ies, <u>12</u>	Twp. 20	Rge		Purc	haserI	EPNO				
Casing 7 Wt. 24 1.D. 6.336 Set at 3790 Perf. 3235 To 3276												
Tubin	E . 2 N	6. 4.7	_1.D1.	995 Set	t at 20	102 Pe	rf		То			
	ay, Foat											
											t	
Date	cing Thru: of Complet	don:	5-7-5h	Packer	r	Sin	gle-Brade Reservo	nnead-G. (ir Temp.	G. or C	.O. D	ual	
50 °	O1					ED DATA		• -				
m i.	.4 m	(m) (a) -1)	(Mat and)	ODOERT.	DD DATA		Type Tap				
Teste	d Through			(Meter)			15.					
$\neg \top$	(Zerostero)	(Catasicae	w Data) Press	. Diff.	Temp.			Casing D		'	Duration	
No.	(Line) Size	(Orific	e) psig	1			1	psig	ŀ	l	of Flow Hr.	
SI						916					72	
1. 2.	<u> </u>	1.500		6.76 16.0	<u>58</u> 59	855 797					24	
3.		1.500	554	23.0	62	758_					24	
4.		1.500	595	34.8	66	66	}				24	
	Coefficient Flg. (24-Hour)		hwpf	reggiire	re Flow Temp. Factor Ft		Factor F _g	F _{pv}	Compress. Factor Fpv		@ 15.025 psia	
1. 2.	13.99 13.99		62.24 95.75 114.30		1,0019		.9463 .9463		1.068		882 1355	
3。	13.99		114.30		.9981		.9463	1.064		1697		
4. 5.	13.99		145,50		.9943		.9463	1.066		2013		
Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Fc 9.936 (1-e-5) 0.121 Pc 229.2 Pc 363.4										'luid		
No.	P _w Pt (psia)	i	F _c Q	$(F_cQ)^2$	(F	(cQ) ² -e-s)	P _w 2	P _c -P _w ²	4	al.	P _w P _c	
1. 2.	868.2 810.2	753.8 656.4	8.76 13.46	76.7 181.2		3 1.9	763.1	100.3				
3.	765.2	585.5	15.97	255.0	3	0.9	616.4	247.0				
4. 5.	677.2	458.6	20.28	<u>h11.3</u>		2.8	508.4	355.0	+			
Absol COMPA ADDRE AGENT	Lute Potent ANY Su ESS 20 F and TITLE ESSED	nray Hid 1 Midlan E R	-Continen d Nat'l B obert E.	t Oil Co nk Bldg Statten,	Nidle Staff E	ARKS		Gas Comp	any.	**		
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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 I Actual rate of flow at end of flow period at W. H. working pressure (Pw). 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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 $P_{\mathbf{t}}$.