NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	olsasih dakora			Fo	Formation DATOFA				County			
Ini	tial		Annua]	L		Spec	ial		_Date of	Test	1/20/64	
Com	pany	Develo	pment_C	B		Lease	Fed	lecal	Wel	1 No		
Unit		Sec	Twp.	_29_	Rg_Rg	e	Purc	haser	EPHG Co.	}		
Cas	ing_1/2"	Wt - 10	. I.I	0.4.0	40Se	t at_6	Pe_Pe	rf	1891	То	64521	
Tub	ing 2 1/3	Wt	70 I.I)• _1.9	93 _Se	t at	Pe	rf. <u>0</u>		To	_ End	
Gas	Pay: From	6200	_To	6452*	_L_64	56 4 X	G67		194.9	Bar.Pr	ess12.0	
Proc	iucing Thru	: Cas	sing		Tu	bing	X	Type We	11 \$	G. or	Go. Dual	
Date	e of Comple	tion:_	1/10/0	64	Packe	r		Reservo	ir Temp.			
						OBSERV	ED DATA					
Test	ted Through	Man	<u>(Cr</u>	noke)	(Mataon)	•			Туре Тар	os		
			Flow Data					Data	Casing I	ata		
No.	(Line)	(Cho	oke) Lize	ress.	Ulff.	_		1		!	Duration of Flow	
SI	Size	Si	ize	psig	h _w	o _F .		 	psig	T.	 	
1.		1/	<u>e</u>	202		76	2031		2040		7 Days	
2.										ļ		
3. 4.		 						 		 		
5.												
						FLOW CAL	СТП А ФТОМ	· e				
	Coeffic	ient		Pro	essure	Flow	Temp.	Gravity	Compre	ess.	Rate of Flow	
No.	(24-Hour) $$		/ -			Factor		Factor	Facto	r	Q-MCFPD	
			√ h _w p _f									
1. 2.	12,3690				04	.9090		.9463	1.04	L	4,946	
2. 3.												
4.												
5.	···							——————————————————————————————————————				
					PR	ESSURE C	alcui ati	ons				
'aa T	ianid Umda	mh - m	Dotio			cf/bbl.		Speci	fia Cmari	tr Sen	arator Gas	
		quid Hydrocarbon Ratio y of Liquid Hydrocarbons_			deg.			Specific Gravity F			wing Fluid	
`c	(1-e		-e -5)	5)			Pc		_Pc4			
								P _w	091	7-2_1	190.3	
No.	$P_{\mathbf{W}}$	P	F _c Q		$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	P. 2	$P_c^2 - P_w^2$	С	al. Pw Pc	
	Pt (psia)	`				(1	_e-s)				W. I	
1. 2.		 						1190,3	3020,4	- `	.\$3)	
3.												
4. 5.		 								- 		
	olute Poten	+407.	6,200	3		MCFPD;	ne79		'			
	PANY	Boto	Davel	PROMO	Çe.							
	ESS MIN		Petrel	No Cl	Ub Plac	a, farmi Wetion R	Agton, I	ion Montes				
	NT and TITL NESSED	<u></u>										
	PANY									411	IVIA	
COM							- DIZO			WILL	1 W 1 I I \	
COM	-					REM	ARKS			Mror	"1 \ FD \	
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COMI						REM	ARKS			JAN 2	3 1964 N. CCM	

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.
- 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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_{+} .