NEW MEXICO OIL CONSERVATION COMMISSION

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Form C-122

File 7-20 OFP MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Poo	L PASIN DA	COTA	F	ormation_	BAKO	<u> </u>	County SAN SUAN				
Ini	tialx	Ar	nnual		Speci	al		_Date of T	e st ;	u - 13 .	
Com	pany			L	್ಕ .ease_ ((A	s. Coli	IRON DAKO	YTA Well	No	_1_	
Uni	t <u> </u>	ec	Twp	Rge	• •	Purc	haser				
Cas	ing , W	t	_I.D	Set	at	10Pe	rf	<u></u> T	.'o	712	
Tub	ing3/8W	t	_I.D	Set	at	<u>م</u> Pe:	rf	Т	.'o	····	
	Pay: From_										
Pro	ducing Thru:	Casing	g	Tub	oing	<u> </u>	Type We	11ing	le Ges		
Dat	e of Complet	ion:		Packer		Sin	gle-Brade Reservo	nhead-G. G	or G	.O. D	ual.
					OBSERVE						
Tes	ted Through	Preven	(Choke)	(Meter)				Type Taps	x	 	
		Flow	w Data			Tubing	Data	Casing Da	ta		
No.	(Line)	(Orifice	Press.	1 /			Temp.	Press.			Duration of Flow
SI	Size	Size	psig	h _w	°F.		 	psig	°F.		Hr.
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2.		3/								-3	
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<u>4.</u> 5.		<u> </u>		 			 		· · · · · · · · · · · · · · · · · · ·		
		<u> </u>	·· ····	. 			<u> </u>				
								Command	. 1	Pata	of Flow
No.	Coeffici	ent	Pi	ressure	Flow 1	CALCULATIONS low Temp. Gravity Compress. Rate of F1 Factor Factor Factor Q_MCFPI)					
110.	(24-Hour) $\sqrt{h_{W}p_{f}}$		hwpf	psia F		t. Fo		F _{DV}		€ 15.025 psia	
1.	12.3650		W- 1	20.54	0.6)_06 0 P	1.0%		2	175
1. 2.											
3. 4. 5.									+		
5.											
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	Liquid Hydro ity of Liqui				cf/bbl. deg.			fic Gravit			
		-	(1-e ^{-s})				P _c	ىرى	Pc		· · · · · · · · · · · · · · · · · · ·
								نيفل ف	**	ا ورابره	********
No.	$P_{\mathbf{w}}$	Pt2	F _c Q	$(F_cQ)^2$	(F)	_{cQ}) ²	P _w 2	$P_c^2 - P_w^2$	Ca	1.	Pu
	Pt (psia)	-t	- c -	/- G-4/	(i:	e-s)	- w -		· ·	W	P _w P _c
1. 2.)) 12,	+ 0)+219	+		
3.											
4. 5.									 		
Ábs	olute Potent PANY	ial:	323)	MCFPD;	n_ 0.7	, (1.0179)			-
	RESS										
AGE	NT and TITLE	ì							13.17	1	
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COM	T VIAT				REM	ARKS			* * * * * * * * * * * * * * * * * * * 	 (6))	<u></u>
REMARKS											

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 T Actual rate of flow at end of flow period at W. H. working pressure (Pw). 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.
- F_g Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.