NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

				MULT	'I-POINT	BACK PF	RESSURE	TES1	FOR GAS	WELLS		Revis	sed 12-1-55
Pool	Undesi	gnate	d		Formation	n	Dakota			_County_	San Ju	NR_	
Init	ial_		Annu	al		S _I	pecial_			_Date of	Test	1/22/	60
	any Swarsy											_	
Unit	M s	ec1	7	p 3	ON R	ge. 12	W	Purcl	naser	one			
Casi	ng 😘 W	t. 15	<i>5#</i> I	.D.4.	950 S	et at_	6771	Pei	of6488)	To 6	508	
Tubi	ng 2 3/8 W	t	.7# I	.D. 1,	995 s	et at_	64 8 0	Per	f. 6480)	_To		
Gas	Pay: From_	6488	_To	6608	L_6	600	_xG	.65	_GL_ b 2	90	_Bar.Pre	ess	12
Prod	lucing Thru:	Cas	sing		T	ubing_	X		_Type We	11 Singl	o-Ges		D 3
Date	ducing Thru:	ion:_	1/7/6	0	Pack	er	one.	Sing	gle-Brade Reservo	nnead-G. ir Temp.	G. or	*•U•	Duai -
							er v ed d						
Test	ed Through		s r) (Choke	<u> </u>)				Type Ta	ps		
~			low D						Data	Casing	Data	1	
No.	(Prover) (Line)	10-3	1 00 53			1	1				Į.		Duration of Flow
SI	Size	S:	ize	psi	g h _w	F		sig 993	°F.	psig 1985			Hr.
1.		3/1	4	22	3	680		XVI	680	681;	<u> </u>	3	Hours
3. 4. 5.		 				 							
5.						<u> </u>							
	On estini		 		Pressure		CALCULA		S Gravity	Compr	ess. T	Rate	of Flow
No.	Coefficient (24-Hour) 12.3650		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia		Flow Temp. Factor F _t		Factor	Factor F _{pv}		Q-MCFPD @ 15.025 psia	
1.			V IIw	Pf	235	9.	0.9924		F _g	hA.		2,773	
1. 2. 3. 4.													
<u>4.</u> <u>5.</u>						<u> </u>							
					P	RESSUR	E CALCU	ITATI	ONS				
	Liquid Hydro								Speci	fic Grav	ity Sepa	arato	or Gas
	ty of Liqui	_	,	ons 1-e ^{-s}	3)	d	eg.		Speci Pc	fic Grav 2002	Pc	wing :008	riuia
		.	- ·							γ			
No.	$P_{\mathbf{W}}$	P.	2 F	_C Q	(F _c Q)	2	(F _c Q) ² (1-e ⁻⁶	2	P_w^2	$P_c^2 - P_w^2$	C	al.	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
1.	Pt (psia)						(1-€-€	,,	484.4	3523.6		P _w	0.3476
1. 2. 3. 4.													
4. 5.											<u> </u>		
Abso	olute Potent	ial:	3,05	l ent A	M1 Carre		PD; n_		75				
ADD	RESS 16 Po	trole	m Cen	ter I	ddg., Pa	ratact.	a, I.	6/	alM.	Shewn	relt	-ar	
Wir	NESSED		1	- 2.	n, avas.						R		VI
UUMI	PANY						REMARK	S			FF	B3	1960
											•	CON	i. c om.∫
											3	DIST	

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 ($P_{\rm W}$). 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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$ Differential meter pressure, inches water.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.

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