NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

			MULTI-	POINT BA	ACK PRES	SURE TEST	FOR GAS	WELLS			12-1-55	
Pool	Undesigna	ted	For	mation	Pictured	Cliffs		County	io Arri	iba		
Pool Undesignated For Initial X Annual Annual				Coccial				Date of Test 8 UT-PC Well No. cific Northwest Pipe Line Company 3896				
Comp	any Magnolia	PetroleumC	oweany		Ji Lease	carilla	G ⁿ	Wel:	l No	T-PC		
Unit	A S	ec. 26 Tw	27 N	Rge	e. 3 W	Purch	Pa ci aser	fic North	west P	ipe Lin	e Company	
Casi	ng 7 5/8" W	25.40# I	D. 6.96	9" Se	t at 4170) Per	3870	·	785 To	96 		
Tubi	ng 2 3/8" W	4.7# T	D. 1.99	5" Se	t at ³⁸⁹	3† Per	f		ro	-		
Cae	Pay: From	870 To 38	961	₁ 3893	· x	. _G ე.680(E	st <u></u>	¥7	Bar.Pre	12	PSIA	
Prod	lucing Thru:	Casing =		Tu	bing	I	Type We	11 GG Dual	L			
Doto	ucing Thru:	ion: 9/20-5		Packe	r None	Sing	le-Brade Reservo	nhead-G. ir Temp.	G. or G	.0. Du	al	
Date	e OI Combier	1011; // /		acke		ED DATA	-					
		(pagest) (Obalea\	(1800CE)		DD DAIN		Type Tap	s	_		
Test	ed Through			(Moder)		Tubing	Data	Casing D				
	(Prover)	Flow Date (Choke)	Press.	Diff.	Temp.	Press.	Temp.		Temp.		uration of Flow	
No.	(Line) Size	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	psig	$h_{\mathbf{W}}$	°F.	psig	°F.	1 1	³F.	4	Hr.	
SI 1. 2. 3. 4. 5.		0.750*	47		67	625	67	912 196		 3 11	rs	
1. 2.	2*	0.750										
3.						 						
5.										<u> </u>		
No.	Coefficient (24-Hour) $\sqrt{h_W p_f}$ 12,3650		p _f	ressure Flor		Temp. Gravity ctor Factor Fg 0.9373		Compress. Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia		
2.												
1. 2. 3. 4. 5.												
5.											<u></u> .i	
Grav	Liquid Hydroity of Liqui	d Hydrocarb	oons l-e ⁻⁵	40 40 40	_cf/bbl deg	• -	Speci	924	ity Flo	wing F] 853.8	uid <u>o.680E</u>	
No.		P _t ² F	CQ	(F _c Q)	2 (F _c Q) ² 1-e ^{-s})	P_w^2	$P_c^2 - P_w^2$	C	al. P _w	Pw Pc	
1.	208 70012	217/1 4 10 10		-			43.3	810.5	-			
2.												
1. 2. 3. 4. 5.		A SECURITY OF		<u> </u>					<u> </u>			
Abs COM ADD AGE WIT	olute Poten PANY PRESS NT and TITL NESSED PANY	Megnolia Pe Box 2406,	Hobbs,	New Mex	ico rynn	; n_ 0.89	R	ECEIVE	76			
								CT 29 195 L CON. CO DOM: B				

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- Pw 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_{t} 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 $P_{\mathbf{t}}$.

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