-File

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

FLOW CALCULATIONS FLOW CALCULATIONS Flow Temp. Gravity Compress. Rate of Flow Temp. Factor	Poo!	Blanco			_Formation	M	esa Verde		_County	Rio A	rriba	
Company Perific Northwest Pipeline Leasen Jun 27-5 Well No. 23-2												
Unit L Sec. 2 Tap. 278 Ege. 59 Purchaser Not Connected Casing 5 th. I.D. Set at 5876 Perf. 5264 To 5830 Tubing 1.1/6 Wt. I.D. Set at 5807 Perf. To Gas Pay: From To L XG .650 GL Bar. Press. Producing Thru: Casing Tubing X Type Well Single Date of Completion: Packer Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp. CESSERVED DATA Tested Through Conock Press. Diff. Temp. Press. Temp. Press. Temp. Of Flow No. (Line) (Orifice) Press. Diff. Temp. Press. Temp. Press. Temp. Of Flow Size Size psig hw Of psig Of. psig Of. Hr. Size Size psig hw Of. 1100 530 980 3 1. 12.3560 164 1.0068 Ferson Pressure Flow Temp. Gravity Compress. Rate of Flow Flow CALCULATIONS PLAN CALCULATIONS PRESSURE CALCULATIONS PRESSURE CALCULATIONS PRESSURE CALCULATIONS PRESSURE CALCULATIONS Secific Gravity Separator Gas Specific Gravity Flowing Pluid Pressure Flow Temp. Press. Specific Gravity Separator Gas Specific Gravity Flowing Pluid Pressure CALCULATIONS AND Pressure Flow Temp. Press. P												
Casing 5												
Tubing 1-1/4 Mt.												
Case Pay: From To												
Producing Thru; Casing	Gas	Pay: From_	T	o	L	xG .650GL_			Bar.Press.			
Date of Completion:												
Choke	Date	e of Complet	ion:		Packe	r	Sin ₍	gle-Brade Reservo	enhead-G. (oir Temp	G. or G	.0. Dual	
Flow Data						OBSERV	ED DATA					
Flow Data	Test	ed Through	- Žilovei	(Choke	e) (Meter)	Sh	nt In 9 d	ays	Type Tap:	s		
Contine Condine Condine Condine Confice Size psig hw OF psig OF psig OF psig OF psig OF psig OF Press Temp. Of Flow Hr.		- · · · · · · · · · · · · · · · · · · ·	Flo	w Data			Tubing	Data	Casing Da	ata		
Size Size psig hw Pr. psig Fr. psig Fr. Hr.	No.	(Prover) (Line)	(Choke) Pres	ss. Diff.		1	1	i	!	I ofFlow	
	İ	Size	Size	psi	ig h _w		 		psig	[⊃] F•	Hr.	
FLOW CALCULATIONS **Rector** **Rector** **Pressure** **Factor** **Factor*	1.		3/4"	154		53°	152	53 0			3	
Pressure Flow Temp. Gravity Factor Fac	2. 3.											
Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Pressure Factor Facto	4. 5.											
(24-Hour)												
PRESSURE CALCUIATIONS as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc	No.	1 7				ractor		1.00.001	, 1001		&-110.1 D	
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PRESSURE CALCULATIONS as Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc	4.											
As Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Classes (1-e^-5) Pc					ומס	rssure (יאורווו אידו	ONS				
ravity of Liquid Hydrocarbons deg. C	lae T	iauid Hydro	scarbon R	atio	110				fic Gravit	t.v. Sena	rator Gas	
No. Pw Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Cal. Pw Fc 1. 252.4 4.90 Absolute Potential: 6.564 MCFPD; n .75/ 3.2933 COMPANY Pacific Marthwest Pipeline Corporation ADDRESS 405 West Moderny, Parsington, No. Maries AGENT and TITLE C. R. Wegner - Well Test Engineer WITNESSED H. L. Kendricks COMPANY I Page Returns Ges Company, Parsington, No. Maries COMPANY II Page Returns Ges Company, Parsington, No. Maries	Gravi	ty of Liqui		arbons_	3)			Speci		ty Flor		
Pt (psia)	`c						-	· c		C		
1. 232.4 4.90 2. 3. 4. 5. Absolute Potential: 6.564 MCFPD; n .75/ 3.2933 COMPANY Pacific Newthwest Pipeline Companium ADDRESS 405 West Broadway, Farmington, New Maxico AGENT and TITLE C. R. Wagner - Well Test Engineer WITNESSED H. L. Kendricks COMPANY R1 Page Returnal Cas Company, Farmington, New Maxico	No	$P_{\mathbf{W}}$	_D 2	r O	(F 0)2	/1	. n) ²		_p 2_ _p 2	Ca	11. P	
Absolute Potential: 6.56k MCFPD; n .75/ 3.2933 COMPANY Pacific Marthwest Pipeline Corporation ADDRESS 405; West Broadway, Explication, New Maries AGENT and TITLE C. R. Wagner - Well Test Engineer WITNESSED H. L. Kendricks COMPANY El Pago Estural Cas Company, Farmington, New Maries		Pt (psia)	rt	r c*	(F Chr.)	()	C-ε-s)			F	P _C	
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REMARKS					Generaly, I	armingt	on, Nev N	exteo		200	3	

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 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.
- $h_{\mbox{W}}\mbox{\fontfame}$ Differential meter pressure, inches water.
- Fg 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 $P_{\rm t}$.

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