NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Blar	100	Fc	rmation		esa Verd	e	_County_	Rio A	Arriba
Init	ial	£Ann	ual		Spec	ial		_Date of	Test_9	-5-58
Comp	any Pactific	Kunnust	PIPELI	Œ	Lease	San Jua	n 29- 5	Wel	1 No	40-28
Unit	G 5	Sec. <u>28</u> T	wp 29	Rg	e 5W	Purcl	haser		·	
Casi	ng 53" W	14.25 It	I.D	Se	t at 60	1081 Per	rf53	6'	To 59	66'
Tubi	ng 11 W	it. 2.4	I.D	Se	t at <u>59</u>	52' Per	rf		To	
Gas	Pay: From_	To_		L	x	G650_			Bar.Pre	ess. <u>12</u>
Prod	ucing Thru:	Casing_	XXX	Tul	bing	··	Type We	:11 S :	ingle	
Date	of Complet	ion:		Packe:	r	Sing	gle-Brade Reservo	enhead-G. oir Temp.	G. or (G.O. Dual
				_		ED DATA	-			
Test	ed Through	(Phylyblek)	(Choke)	(Meldeld)	Shut	in 13 d	ays	Type Tap	s	
		Flow				Tubing		Casing D		T
No.	(Prover)	(Choke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
ł	Size	(Orifice) Size	psig	h _w	°F•		°F.	psig	[⊃] F•	Hr.
SI 1.		3/4"	397		67	957 455		1105 397	67	3
2 . 3 .										
4. 5.										
<u></u>		<u> </u>		·	ET OW CAT	TIT A TITONS	3		<u> </u>	<u> </u>
					Flow '	w Temp. Gravity Compress. Rate of Flow actor Factor Factor Q-MCFPD				
No.	$(24-Hour)$ $\sqrt{h_{W}}$		v ^p f	psia		t	Factor Fg	Fpv	r	@ 15.025 psia
1. 2.	12.3650			hop		233	.960		939	5615
1. 2. 3. 4.										
5.										
				PRI	ESSURE CA	ALCU ATIO	ons			
	iquid Hydro ty of Liqui				cf/bbl.					arator Gas ving Fluid
c	Ly of Liqui	d hydrocar	ons (1-e ^{-s})		deg.		P _{c_1}	117	P ²	1247.7
			 - -			·				
No.	$P_{\mathbf{W}}$	Pt 1	r _c Q	$(F_cQ)^2$	(F	$c_{e^{-s}}^{Q)^2}$	167 _{Pw2}	$P_c^2 - P_w^2$	Ca	Pw Pc
1.	Pt (psia)				(1.	- 6	218.1	1009.6	- F	W 1.21
2.										
4.									+	
5. 4 hso	lute Potent	ial· mor		 	MCFPD.	n .	75/ 1.153	<u></u>	_	
COMP	ANY PASTURE ESS LIBLY	MORTENET	PIPEL	E CORPO	PATION .					
AGEN'	T and TITLE	_C.R.We	mer -	Vell T	est Rogi	peer			ZOT I	
COMP	ESSED ANY								211.1	
					ŔEM	ARKS		1		1 1958 I. COM.) I. 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_W). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- F_{DV} 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 $P_{\mathbf{t}}$.

OIL CONSERVATION COMMISSION							
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