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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo	ol	W	ildcat	<u>:</u>	F	ormation	Fruit	land		County	San	Juan
Ini	itial_	ХХ		Annu	21		Spec	ial		Date of	Test	4-18-57
Con	npany_	Nort	hwest	Produc	ction (orp.	Lease	Blanco	30-12	Wel	.1 No	1-4
Uni	it A		Sec.	4 Tw	p	Rg_Rg	e. 12W	Pur	chaser	ot connec	ted	
									erf. 196			2198
Tub	Tubing 2-3/8 Wt. 4.70 I.D. 1.995 Set at 4602 Perf. To											
Gas Pay: From 1964 To 2198 L 1964 xG .650 -GL 1277 Bar.Press. 12												
Pro	Producing Thru: Casing XX Tubing Type Well Dual - G-G Single-Bradenhead-G. G. or G.O. Dual											
Dat	Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 4-3-57 Packer Yes - 4500 Reservoir Temp.											
								ED DATA				
Tes	sted Th	rough	(Pto)	<i>t\$1</i>] (Choke)	(Metet)				Туре Тар	s	
				Flow Da	ata			Tubin	g Data	Casing D	ata	
No.			(Cho	oke) 7799)	Press	Diff.	Temp.	Press	. Temp.			Duration of Flow
	Š	ize		ize	psig	h _w	°F.	psig	o _F .		°F∙	Hr.
'SI 1.			3/4		136		61			684 136	61	SI 3 hrs
2 . 3 .	<u> </u>	·								, a		
4.									*	1.		
5.	<u> </u>		<u> </u>						<u></u>	1 1	<u> </u>	
	Co	effici	ent.		Pi		FLOW CAL		NS_ Gravity	Compre	99.	Rate of Flow
No.				<u> </u>			Fac	tor	Factor	Facto	r	Q-MCFPD
7	(,	24-Hou		√ h _w I		psia 148	.999		F _g	1.01		@ 15.025 psia 2038
1. 2.									. 7000	1.01		2036
3. 4.										- 		
4. 5.												
						PRI	ESSURE C	ALCUI.AT	IONS			
as	Liquid	Hydro	carbon	n Ratio)		cf/bbl.		Speci	.f ic Gravi	ty Sepa	ırator Gas
ravity of Liquid Hydrocarbons			.089	deg. Spe			cific Gravity Flowing Fluid					
'c		.03	<u> </u>	\	<u> </u>	.007			P _c	079	_rc <u>_</u>	34.4
N.	$P_{\mathbf{W}}$		P t	2 7	<u> </u>	(n.o.)2	(7)	0)2		-2 -2		
No.		osia)	Pt.	F	Q	$(F_cQ)^2$	(1)	cQ) ² -e-s)	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	P _W P _C
1. 2.	, N		21.3	O' I	783	1.77	.15	8	22.1	462.3		1.0478
3.		1017				<u> </u>						
<u>4.</u> 5.	1	y a second									 	
	olute 1	Povent	ial:		2121		MCFPD:	n .85	/1.0405	<u> </u>		
COMPANY Pacific Northwest Pipeline Corp.												
ADDRESS 405k W. Broadway, Farmington, New Mexico AGENT and TITLE C. R. Wagner - Well Test Engineer												
WITNESSED COMPANY												
- 	•	·				ya ya da da	REM	ARKS			OIL CO	V. COM.
	;			• •		200	:			1	DIST	COM
						11.3	•					. 8

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_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_{wT} 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.
- $F_g \subseteq Gravity$ 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 $P_{\mathbf{L}}$.

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DRILLING DEPARTMENT

			COMPANY Northwest Production Corp.			
		I	EASE Blanco 30-12	WELL NO. 1-4		
SHUT IN PRESSURE	E (PSIG): TUBIN	MV FR NG 1021 CASING 684	S. I. PERIOD			
SIZE BLOW NIPPLE	3/4" Choke (B	ureau of Mines)				
FLOW THROUGH			WORKING PRESSURES	S FROM Tubing-MV		
TIME HOURS MINUTES	PRESSURE	Q (MCFD) 15.025 PSIA & 60°F	WELLHEAD WORKING PRESSURE (PSIG)	TEMP		
30 1 0 30 2 0 30 3 0	303 Fruit: 228 194 162 149 136		1021 Messverde 1022 1022 1022 1022	58 59 59 60 61 61		
START AT		1	END TEST AT 12:5	O pa		
·			TESTED BY C. R. We	gner .		

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