NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poo	l Wilde	et		_Format:	ion	letured	Cliffe	County_	Rio /	Arriba
Ini	tial 🕱		Annual		S	pecial_		Date of	Test	2-23-57
Company Northwest Production Corporationease "W" Well No. 2-5 Unit B Sec.5 Twp. 26N Rge. 5W Purchaser Not connected										
								3132		3184
Gas Pay: From 3132 To 3184 L xG .64 TGL Bar.Press. Producing Thru: Casing XX Tubing Type Well Triple - G - G - G Single-Bradenhead-G. G. or G.O. Dual										
Data	e of Complet	ion	~	Pac	ker 1	b	Single-B	radenhead-G.	G. or	G.O. Dual
<i>D</i> 	o or complet	1011				ERVED DA		or votr romp.		
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Tes	ted Through			e) (Meve				Type Ta		,
\neg	(Prover) (Line)		w Data Pre	ss. Dif	f. Tem	o. Pre	ing Data	Casing Dress.	Temp.	Duration of Flow
No.	(Line) Size	(dfiff) Size	ps	ig h		. ps	ig o	F. psig	o _F .	of Flow Hr.
SI				167 111	<u>'</u>	969		969		81
1. 2.		3/4	21	67 111		100		484		3 hr
3. 4.										
4. 5.										
 r	Coeffici	ent.		Pressur		CALCULAT		ity Compre	ess.	Rate of Flow
No.				[1	Factor	Fact	tor Facto	or	Q-MCFPD
1.			"wPf							@ 15.025 psia
2 . 3.	14,1605			118	1.0	058	.9682	1.012		1652
4 • 5•										
					PRESSURI	E CALCUI	ATIONS			
as I	iquid Hydro	carbon R	atio		cf/bl	ol.	Sr	ecific Grav	ity Sepa	arator Gas
ravi	ty of Liqui	d Hydroc	arbons_	s	de	eg.	Sr		ity Flow	ving Fluid_
c			(1 0				- (C	
No.	$P_{\mathbf{W}}$	P ²	E O	(F _c Q	12	(E 0)2		$P_c^2 - P_w^2$	C	al. Pw
	Pt (psia)	rt 	F _c Q	(F. C.	.,	$\frac{\left(F_{c}Q\right)^{2}}{\left(1-e^{-s}\right)}$	P _w 2	rc-rw		P _W P _C
1. 2.							+			
3. 4.	496						246	716		1.344
5.	Junto D				Mari	DD				The last of the la
Absolute Potential: 2124 MCFPD; n_85/1.2858 COMPANY Pagific Morthwest Figures Corp.										
ADDRESS 40% W. Broedway, Farmington, New Newico AGENT and TITLE . A. Dugen								N 8 1981		
	ESSED PANY								A	CON
					F	REMARKS			Low	DIE

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 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
- 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.
- $F_g = Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- \mathbf{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 $P_{\mathbf{t}}$.

DRILLING DEPARTMENT

				C	OMPANY NO	Northwest Production Corp.			
				I	EASE	· · · · · · · · · · · · · · · · · · ·	WELL NO.	2-5	
		PSIG): TUBI	NG	CASING	1112 S. I.	2-23-5 E ME 2167 PERIOD		DAYS	
	OW NIPPLE 31 ROUGH	'4" Choke On Tubing				NG PRESSURES	s from	eing	
	ME MINUTES	CHCER PRESSURE		FD) IA & 60°F	PRESSURE	(PSIG)	TEMP		
1	00 PM 15 30	243 216	1111	2167 2167	578 524		54 54 55		
3	45 00 15	171 156	1111 1110 1110	2167 2167 2167	514 907 904		55 53 53 53 53 53 53		
<u>.</u>	45 60	138 138 125	1110 1110 1110	21.67 21.67 21.57 21.67			52 53 52		
<u>.</u>		104	1111	2167 2167 2167	486 486		51 51 51		
	: <u>0 -</u>	10 min - hes 1 hr - sor				5:00 pa			
	ile	- 3 hr - 11s	ht spray						
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