NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

ool	Wilde	at		Fo	$rmation_{_}$	Graner	os-Dakot	8	County	Rio Ar	riba	
nitial	XX	·	Annual			Spec	ial		Date of	Test	5-27-57	
ompany_	North	west Pr	oducti	on Co	rp. I	ease	.M.i		Wel	1 No	8-8	
nit M	s s	ec. 8	Two.	26N	Rge	. 4W	Purc	haser Not	t connecte	bd		
										То_	7880	
											7000	
										To	10	
	_								4990			
oducing	Thru:	Casi	.ng		Tub	ing	Sin	Type We	ell Di	G or	G.O. Dual	
te of C	omplet	ion: M	ay 9, 1	957	Packer	Yes - 7	7178.1	_Reserve	oir Temp.	u. 01	G.O. Dual	
							ED DATA					
sted Th	rough	Prove	r/) (Ch	oke)	(Neter)			٠	Type Tap	s		
			ow Dat				Tubing		Casing D		T	
		(Chok (Prifi	ce)	ĺ	Diff.	_					of Flow	
	ize	Siz	e	psig	h _w	°F•	psig	°F.	psig	[⊃] F•		
		3/4		55		60	2243 65	60	 	ļ	3 hr	
									L	<u> </u>		
	effici						CULATIONS		Common		Rate of Flow	
, ,				_			Temp.	Factor	Facto	r	Q-MCFPD	
14.	24-Hou		/ hwpf	I	psia 77		t	Fg			@ 15.025 psia	
14.	1903					1.000		9608	1.000		1048	
									- 			
				工								
Liquid vity of	Liqui		carbon	s		SSURE C	ALCU ATIO	Speci Speci			arator Gas wing Fluid 	
	psia)	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(F (1	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	C	al. Pw Pc	
77												
77		5.9	9,85	9	7.0	29.		35.4	5019.6		1.00701	
	Dev - 1				· 	MOBRE	L	- 	<u> </u>			
solute : MPANY	rotent:		105/		Pipeli		n75	1.00	596			
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TNESSED	י דידיני	Fred		we!	1 Test	ingluee:						
MPANY				Berva	tion Co	mission	ÀRKS					

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
- Pw 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
- P_f Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_{t} Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .

DRILLING DEPARTMENT

					COMPANY	Nort	hwest Pro	oduction Co	rp.
					LEASE	71		WELL NO	o. 8-8
					DATE OF	TEST _	5-27-57		_
SHUT	IN PRESSURE	(PSIG): TUBING		_ CASING _1	066 S.	I. PE	RIOD	7	DAYS
SIZE	BLOW NIPPLE	3/4" Choke (1	lureau of	Kines)					
FLOW '	THROUGH	ubing - Dakota	 		ORKING PRE	SSURES	FROM Cast	ing - Mesay	rerde
	TIME MINUTES	PRESSURE		CFD) SIA & 60°F	WELLHEA PRESSUR			TEMP	
	15	227			1070)	·	58	
	30 45	136 113			1070			59	
1	0	96			1069			60	
2	<u> 30</u>	82 74			1069 1069			60	
	30	69			1069			60	
3	0	65			1069	1		60	

CT ADT	A.T	12:00 Noon				2,00			
SIAKI	A1:	12:00 ROOM		E	D TEST AT	3:00	- pau		
REMARI	KS: <u>L1</u>	ght fog of Dist.	and H20	through out	test			····	
									
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					<u> </u>				
					TESTED BY:	C. R.	Wagner		
				,	JITNESS.	Fred (look - NM	occ	

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