1-WD 1-D 1-F

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

			MULTI-	POINT BA	CK PRES	SURE TES	r for gas	WELLS		Revised 12-1-55	
Pool	Basin Da	kota	Fo:	rmation_	Dako	ota		_County	San .	Juan	
Initi	ial X	An	nual		Spec	ial		_Date of !	rest	11/27/61	
Compa	any Southw	est Produ	uction Com	p any I	lease}	iolloway	Fed. "B"	Well	1 No. 1		
										Gas Company	
										57-61	
										6263	
										ess. 12.0	
Produ	ucing Thru:	Casing	<u> </u>	Tub	oingX	Sin	Type Wel	ll Singl	e Gas	.O. Dual	
Date	of Completi	lon: 1	1/17/61	Packer	·		Reservo	ir Temp			
					OBSERV	ED DATA					
<u> reste</u>	ed Through	(Brossers)	(Choke)	6Mebeck)k				Туре Тар	s		
			Data			Tubing	Data	Casing Da		ī	
Т	(Prover)	(Choke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Тетр.	Duration	
No.	(Line) Size	(Omádána Size	xx psig	h	or.	p sig	o _F ,	psig	o _F .	of Flow Hr.	
SI						2070		2070		8 day	
L. 2.		3/4	302		65	302	65	1377		3 hr.	
3.											
5.											
-				I	LOW CAL	CULATION	S	_			
	Coefficie	Pr	Pressure Flow Temp.			Gravity Compress. Rate of Flow Factor Factor Q-MCFPD					
No.				p _f psia		t	Fg	Fpv		● 15.025 psia	
	12.3650		3	14	.99	2	.94 63	1.034		3,780	
L. 2. 3.											
•											
					POOLINE O	A COUR AND	ONG				
						alcui ati					
	iquid Hydrod ty of Liquid				cf/bbl. deg.					arator Gas wing Fluid	
c	/1 a=\$)					-	P _c	2082 P _C 4347.2			
							Pw	1389	Pw2	1929.3	
No.	$P_{\mathbf{W}}$	Pt.	F _c Q	$(F_cQ)^2$	(F	$(cQ)^2$	P _w 2	$P_c^2 - P_w^2$	Ca	P _w P _c	
	Pt (psia)				(1	-e ^{-s})			1	P _w P _c .667	
2.							1929.3	2417.9			
3. 4. 5.											
5.											
Abso COMP	lute Potent:		,859 oduction C		MCFPD;	n	75	and the second			
ADDR	ESS 207	petr. Cl	ub Plaza,	Farmin	gton, No	w Miexico)	ANTIN			
	T and TITLE ESSED	Georg	• L. Hoffs	an, Pro	duction	Enginee		SHY			
COMP					ra q	ARKS		050444	061		
					TILL	BILLINIO	· ·	DEC 1 1 1	COM.		
							/	DIST.	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 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
- Pw 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.