NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Basin	Dekota	F	ormation_	D	akota		County	San J	uan
										3/16/62
										2
										Gas Company
	ng4_1/2Wt									
	ng 1 1/2 Wt									
	Pay: From_									
	ucing Thru:					STUP	(Te-Digree)	TICON-CO	J. O	
Date	of Completi	ion: 3/4/	/6 2	Packer	r		Reservo	ir Temp	-	
					OBSERV	ED DATA				
est:	ed Through	(Trover)	(Choke)	(Mexiex)				Туре Тар	s	
		Flow				Tubing		Casing D		Duration
No.		(Choke) (Orifice)	Press	Diff				Press.	l	of Flow
	Size	Size	psig	h _w	°F.		°F.		°F.	
SI l.		3/4	298		63	2060 298		2060 1544		9 days 3 hrs.
2.										
3. 										
						L				<u> </u>
						CULATION		Compre		Rate of Flow
10.	Coeffici	Coefficient		Pressure Flow		tor	Factor	Facto	r	Q-MCFPD
	(24-Hou	(24-Hour) √ h _w		p _f psia		't	F _g F _{pv}		15.025 psia	
L. 2.	12.3650	12.3650		310		4	.9463	1.034		3,739
3。										
<u>.</u>										
avi	iquid Hydro ty of Liqui	d Hydrocar	rio rbons (1-e ^{-s})			CALCUIATI	Speci Speci ^P c_2	fic Gravi fic Gravi 072	ty Sep ty Flo	
1	$P_{\mathbf{w}}$	-2		$(F_cQ)^2$	2 / / /	20)2	P.,2	$P_c^2 - P_w^2$		
· ov	Pt (psia)	Pt ²	F _c Q	(F _C (Q)	(1	F _c Q) ² L-e ^{-s})				P _W P _C
[. 2.							2421.1	1872.	1	.751
3.									_	
4. 5.				 						
Abso COMI ADDI AGEI	PANY Sout RESS 207	hunst Pro	duction	. Farming	rton. No	; n7 w Mexico on Engine		APFIV	6	
	NESSEDPANY							Krori	-62	
					RE	MARKS		MAR 27)

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 600 F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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_{pv} 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 $P_{\mathbf{t}}$.