NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Undesign	nated		Form	ation	Pietur	ed Cliff	8	County_	Rio Ar	riba
[nit:	nitial X Annual_		Special_			ial	•	_Date of	Test	9-1-58	
ompa	any Hagn ol	lia Petr	oleunCa	pany		Lease_M	oDaniel '	Unit	Wel	1 No	1
nit	1	Sec2	ZTwp	24N	Rg	e. 1W	Purc	has <u>Tra</u>	nswest ern	Pipe I	ine
	ıg 58									_	
	ng 2 3/	_									
	~										ess. 12 paia (
roat	icing luru	: cas.	0 74 E6		¹ u	ozng	Sin	Type we gle-Brade	enhead-G.	G. or	G.O. Dual
ate	of Comple	tion:	Control		Packe			Reservo	oir Temp		
						OBSERV	ED DATA				
e st e	d Through	Tree	(Cho	ke) 🙀	et en)	,			Type Tap	s	
			low Data		D. CC			Data	Casing D	ata	Dunation
0.	(Line)	COODS	1273			Temp.		Temp.			Duration of Flow
I	Size	Sia	ze p	sig	h _w	o _F .	psig 737	1.	psig	[⊃] F•	Hr.
.	2*	3/	£* 4	7		58	47	58	111	-	3 bre.
		+									
<u></u>		 				EL OW CAL	CUT A TION	· · · · · · · · · · · · · · · · · · ·	 	<u> </u>	<u> </u>
	Coefficient				FLOW CALCULATION Flow Temp.			Gravity Compress. Rate of Flow			
٥.	(24-Hour) √ h _w p		hwpr	— I		Factor F+		Factor F _a	Factor Q-MCFP @ 15.02		Q-MCFPD @ 15.025 psia
•	12,3650		V W- 1	59		1.0019		•9393	- (687
c				 							
<u></u> .					וסם	regimer c	ALCULATI	ONS		_ _	
٠.		•					RECO'MII		.		
	quid Hydro y of Liqui		carbons			cf/bbl. deg.		Speci	fic Gravi	ty Flow	rator Gas ving Fluid
			(l-e	-8)				Pc	759	_Pc	562.5
_	Ď				·						
) . c	P _w	$P_t^2 = F_c Q = (F_c Q)$		$(c_{\rm c}Q)^2$	$ \begin{array}{c c} (F_cQ)^2 \\ (1-e^{-s}) \end{array} $		P. _w 2	$P_c^2 - P_w^2$	I	P _w	
	(psia) 123					(1.	-e ^{-s})	15.1	547.4	<u> </u>	w Pc
1											
										+	
		<u></u>						_ 			
	ute Pocent NY M e		703 Petroles	m Com		_MCFPD;	n	<u> </u>			
DRE	SS Ro	× 2406.	Ho bba.	Now Me	ori no						
ENT	and TITLE	71/	ellisa	<u>a</u>	Tru	rgan	Jr. (las Engin	cer	OFF	
MPA			•						10		
						REM	ARKS		/ AL	ulli.	
									SE	2 6 19	58 - 1

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
- 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : 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 $P_{\mathbf{t}}$.

OIL CONSERVATION	COMMISSION
AZTEC DISTRIC No. Copies Peceived	OFFICE
Discourse T	The same of the sa
	032
Sents in	
State Land	
Transporter	
and the second	