NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT	BACK	PRESSURE	ጥክርጥ	FOR	GAS	WELLS
MODIT-LOINI	DMUL	TULOSULE	Time	rOn	GND	

Revised	12-1-55

	Undesign	nated		F	ormation	Picture	d Cliffs		_County_	Rio Art	riba	
nit	ial I		Annu	al	4-4	Spec	ial		_Date of	Test	5/14/59	
	any Magn											
iit	n Cn	Sec. 3	3 _{Twi}	2/	Re	e. 1W	Purcl	haser Mot	Connect	ed		
	ng 42" V										189	
	ng 11 v											
				-							ss. 12 paig	
	•											
÷.	ucing Thrus	· ion·	5/1/	59	Packe	n Hone	Sin	gle-Brade	enhead-G.	G. or G	.O. Dual	
te	or compre	, 10II	7/-/		racke			10561 •0	ori icmbe.			
							ED DATA					
st	ed Through	(Inc		Choke)	(10000	<u> </u>			Type Tar	os		
_			Flow Da				Tubing Data		Casing Data		D	
	(Prover) (Line)		oke) fice)					1	Press.	1	Of Flo	
	Size	S	ize	psig	h _w	°F.	psig		psig		Hr.	
1							828		829		7 11-2	
	2*	0.	750	441	-	59	521	59	441		3 Hrs.	
╁		 			+	 				+		
t		T.										
7								<u> </u>	L			
						FLOW CAL	CULATION:	S				
T	Coeffic	ient		F	ressure	Flow	Temp.	Gravity	Compre	Compress. Rate of Flow		
٠					Facto				Factor		Q-MCFPD	
╧			√ h _w l	p _f psia				F _g	F _{pv}		@ 15.025 psi	
					454	1.0010	,	0.9393	1.07	2	7771	
+	12.365				453							
+	12.365								_			
+	12.365				4//							
-	12.365				4//							
+	12.365					RESSURE C		ONS				
		oca rho	n Ratio	0			ALCU ATI		ific Grav	ity Sepa	arator Gas	
I	iquid Hydro	ocarbo	rocarb	ons	PF	RESSURE C cf/bbl. deg.	ALCU ATI	Speci Speci	fic Grav	ity Flov	ving Fluid	
I vi		ocarbo	rocarb	oons_l-e-s	PF	cf/bbl.	ALCU ATI	Speci Speci	ific Grav	ity Flov	arator Gas ving Fluid	
vi	Liquid Hydro	ocarbo	rocarb	ons	PF	cf/bbl.	ALCU ATI	Speci Speci	fic Grav	ity Flov	ving Fluid	
I vi	Liquid Hydro	id Hyd	rocarb	ons	PI	cf/bbl.deg.	ALCU ATI	Speci Speci P _c	ific Grav	ity Flow	ving Fluid	
I vi	Liquid Hydroty of Liqui	ocarbo	rocarb	ons	PF	cf/bbl.deg.	ALCU ATI	Speci Speci	fic Grav	ity Flow	ving Fluid	
I vi	Liquid Hydroty of Liqui	id Hyd	rocarb (ons	PI	cf/bbl.deg.	ALCU ATI	Speci Speci P _c	ific Grav	ity Flow	ving Fluid	
I vi	Liquid Hydroty of Liqui	id Hyd	rocarb (ons	PI	cf/bbl.deg.	ALCUIATIO	Speci Speci Pc—— P _w 2	P _c -P _w	ity Flow	ving Fluid 707	
I vi	Liquid Hydroty of Liqui	id Hyd	rocarb (ons	PI	cf/bbl.deg.	ALCUIATIO	Speci Speci Pc—— P _w 2	P _c -P _w	ity Flow	ving Fluid 707	
I vi	Liquid Hydroty of Liqui	id Hyd	rocarb (ons	PI	cf/bbl.deg.	ALCUIATIO	Speci Speci Pc—— P _w 2	P _c -P _w	ity Flow	ving Fluid 707	
I vi	Liquid Hydroty of Liquid	id Hyd	rocarb (ons 1-e ^{-s}	PI	cf/bbl.deg.	ALCUIATIO	Speci Speci P _c P _w 2	P _c -P _w	ity Flow	ving Fluid 707	
I vi	Pw Property of Liquid Hydro Poly Poly Poly Poly Poly	p.	rocarb (1	c ^Q	(F _c Q) ²	cf/bbl.deg.	ALCUIATIO	Speci Speci P _c P _w 2	P _c -P _w	ity Flow	ving Fluid 707	
Vi Vi	Pw Polyte Potent	P.	2 F	c ^Q	(F _c Q) ²	cf/bbl.deg.	ALCUIATION TO THE PROPERTY OF	Speci Speci P _c P _w 2	P _c -P _w	Ca	ving Fluid 707 al. Pw Pc	
I vi	Pw Py Polute Potenters PANY RESS T and TITL	P.	2 F	c ^Q	(F _c Q) ²	cf/bbl.deg.	ALCUIATION TO THE PROPERTY OF	Speci Speci P _c P _w 2	P _c -P _w	Ca	ving Fluid 707	
I vi	Pw Polyte Potent	P.	2 F	c ^Q	(F _c Q) ²	cf/bbl.deg.	ALCUIATION TO THE PROPERTY OF	Speci Speci P _c P _w 2	P _c -P _w	Ca	Pw Pc	

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

AZTEO DI	ATION COMMIS	:
No. Copies Red		
<u> </u>	W. P. W.	
en e	, SHED	
Cozerta		
Santa Fe		
Provation Off •	:	
State Land Office	***	
U. S. G. S.		
Transporter		
File	/	