NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT	BACK	PRESSIPE	ጥፑርጥ	FOR	GAS	WELLS
MODIT-POINT	DAUL	TUESSULE	Treat	run	GND	

ro:	m	C-122
Revised	12	-1-55

Pao	1Besi	.		F	ormation	Dake	ta		_County	Sen J	HAR	
Ini	tial		_Annua	al		Spec	ial	<u> </u>	_Date of	Test	3-3	-61
Company Pleases Production Co.				n Co.	Lease Phillips			<u> </u>	Well No. A			
Uni	t <u>a</u> S	Sec	6 Twp	0. <u>26</u>	Rg	e. <u>11</u>	Pur	chaser			 -	
Cas	ing 54 V	it	5_I.	.D	Se	t at6	241 Po	erf. 621	<u> </u>	То	1064	
Tub	ing 1 k	it. 2.	<u>.</u> I.	.D	Se	t at 6	168 Pe	erf. 616	5	То	168	
Gas	Tubing 1 Wt. 2.4 I.D. Set at 6166 Perf. 6165 To 6168 Gas Pay: From 6014 To 6218 L xG 680 _GL Bar.Press.											
Pro	ducing Thru:	Cas	ing		Tu	bi.ng	X	Type We	11 Sing	lo-gas	<u> </u>	Dual
Dat	Date of Completion: 1-22-59 Packer Reservoir Temp.											
						OBSERV	ED DATA					
Tes	ted Through	(Prov	12) (12	hoke)	(Macket as)	×			Type Tap	s		
		দ	low Da	ıt.a		 ==	Tubine	z Data	Casing D	ata	-	
N.	(Prover) (Line)	(Cho	ke)	Press	. Diff.	Temp.	Press	Temp.	Press.	Temp.	1	Duration of Flow
No.	Size	Si	ze	psig	h _w	°F.	psig	o _F .	psig	°F∙		Hr.
SI							2101		2106		<u> </u>	
1. 2.		 						 		 	┿-	
<u>3.</u>	28	3/	4.0	203		63			1455			hre
4.												
5.		L			<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	
							CULATION					
N.	Coeffici	ent		P	ressure	Flow	Temp.	Gravity	Compre	ss.	Rate	of Flow
No.	(24-Hour) $\sqrt{h_W}$		7 h. n	neja		ractor		ractor F_	ractor F		Q-MUFFU @ 15.025 psia	
1.	(x4-110at) V 11Wht				psia rt		-		_gpv			
2.				-+								
3.	12.365	12,365			215		971 .9393		1.024		2550	
4. 5.												
					PR	ESSURE C	ALCUIATI	ions				
lae l	Liquid H y dro	ca rhon	Ratio			ef/hhl.		Speci	fic Gravi	t.v Sena	arat.c	r Gas
ias i irav:	ity of Liqui	d Hydr	ocarbo	ns		deg.		Speci	fic Gravi	ty Flo	wing	Fluid
c			(1	e ^{-s} ∑			<u>-</u>	Pc	2120	_P2	4,494	,400
	P _w	2				<u> </u>	. 2		2 2			
No.	D. (main)	$P_{\mathbf{t}}^2$	Fc	Q	$(F_cQ)^2$	(F	$\begin{pmatrix} cQ \end{pmatrix}^2 \\ -e^{-S} \end{pmatrix}$	P _w 2	$P_c^2 - P_w^2$		al.	P _w P _c
- -	Pt (psia)					- (1	<u>-e -) </u>			- 	P _w	- C
1. 2. 3. 4. 5.												
3.	1467							2,152,089	2,342,3	-		1.9188
5.				+						+		
	olute Potent	ial:	····	1157		MCFPD:	n .7	5 1.6	303			
COMPANY Planeer Production Co.												
ADDRESS P. C. Now 2542. Amerillo, Texas AGENT and TITLE T. A. Dugan, Consulting Engineer												
WITNESSED												
	PANY						1 DICC			/KI		
						REM	ARKS			NAA!	21 ^	1¢aj
										4		1 pipe)
										- } (<u></u>		
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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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.