Form C-122

MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS
-------------	------	----------	------	-----	-----	-------

Revised 12-1-55

	Van mel m			-PUINI DA				County	Rio I	Arr iba	
Poot	Basin Y	Ann	ual	OlHWCIOU"	Spec	ial		CountyDate of Te		st 12-20-61	
Lnit	nitial X Annual Annual Comporation			osso Jicarilla			- Well No.		2		
Company Delhi-Taylor Oil Corporation Lease Jicarilla Well No. 2											
Unit L Sec. 18 Twp. 26N Rge. 5W Purchaser Casing 51 Wt. 15.5 I.D. Set at 7588 Perf. 7266 To 7487											
Casing 52 Wt. 15.5 I.D.				Set	at	73 Pos	- 7170	70 To 7173			
Tubing 2 3/8" Wt. 4.7 I.D. Set at 7173 Perf. 7170 To 7173											
	Froducing Thru: Casing										
Prod	lucing Thru:	Casing_		Tut	oing	Sin	Iype we. gle_Brade	nhead-G.	or G	.O. D	ual
Date	e of Complet:	ion:		Packer			keservo	Tr. Kemb•			
OBSERVED DATA											
Tested Through (Choke) (Mercer) Type Taps											
	(Proven)	Flow (Choke)	Data	a Diff.	Temp.		Data Temp.	Casing Da	ta Temp.	1	Duration
No.	(Line)	(Orifice) Size)	1 !				psig	l	į	of Flow Hr.
SI	Size	Size	psie	3 11W		2526		-			
1. 2.	2*	3/4*	248		62					3 h	rs
3.		22								 	
4. 5.											
					FLOW CAI	CULATION	is			Data.	of Plan
No.	Coeffici	Coefficient Pressure Flow Temp. Gravity Factor Factor				Lactor A_mozin					
NO.		(24-Hour) $\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia F _t			Fg	F _{pv}		● 15.025 psia	
1. 2.								1,027		3166	
3. 4.	12,3650			260	0.99	81	,9608	1,021			
5.										L	
				PF	ESSURE (CALCUI AT					
Gas	Liquid Hydro	carbon Ra	tio		cf/bbl	•	Spec:	ific Gravi ific Gravi	ity Sep ity Flo	araton wing	r Gas Fluid
Gas Liquid Hydrocarbon Ratio											
-									- 		
No.	P _w	Pt.	F _c Q	(F _c Q)	2 (F _c Q) ² 1-e ^{-s})	P _w 2	$P_c^2 - P_w^2$		al.	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
	Pt (psia)				(1-e-s)			 		Pw	r _c
1. 2.				-			322	6119		-	1.0526
3. 4.	260	68	29.77	886		4			1-		
5.					VOTET) - "F	1,039				
CO	solute Poten MPANY Del	hi Taylor	3290 011 Co	rporation); n <u>.75</u>	1,007				
ADDRESS Farmington, New Mexico AGENT and TITLE T. A. Dugan, Engineer											
WI	TNESSED								/m	元化	
CO	MPANY				RI	MARKS		7	RLU	JYE	70
	-							- 1	JAN	196	2
								1	OIL C		i i
								\	D1:	ST. 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 = 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
- P_f Meter pressure, psia.
- $h_{\mathbf{W}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft 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 $P_{\mathbf{t}}$.