RECEIVED

NEW MEXICO OIL CONSERVATION COMMISSION

	1, -			n em erik Silili	7 00/	AM :	Y 1 6 1966	. 1		Form C-122	
	ř	ing the grade of the state of t	MULTI-	-POINT BA	ACK PF	ESSURE T	ST_EOR_GAS	WELLS	R	evised 12-1-55	
Pool	- ' - '	Wildcat	red day Fo	(C) AN ormation	7 Pen	hsylvanil	ESIA, OFFICE	_County	Eddy	evised 12-1-55	
Initia	al	X An	nual		S ₁	pecial		_Date of	Te st	1/4/58	
מבטביים	Tonness	ee Ges Tr	ranamissi	on Co.	Lease	State John	n M. Kelly	"A" Wel	1 No	1	
							chaser				
Unit	ESt	ec 	TWD.	ent out	· <u> </u>	10 Ask E	Pone 1	None	То		
Casin	3 7 ''W1	t. <u>28</u>	_1.0	0.210 Se	. at_	10.705	err.	None	То		
[ubin	g 2.375 W	t. 4.7	_I.D	997 Se	t at_	10, 197 F	Perf	6002		13.8	
										13.2	
Produ	cing Thru:	Casing		Tu	bi.ng_	X Si	Type Weingle-Brade	ell Si	G. or G.	0. Dual	
Date (of Complet:	ion: 1	2/31/57	Packe	r 10,	78 5	Reservo	oir Temp.	160° P.		
	0.22%					ervęd d at a					
-	d Through			(Madoza)				Type Tap	s		
						Tubit	ng Data	Casing I	ata		
	(Prover)	(Choke)	Data Press	. Diff.	Tem	p. Press				Duration of Flow	
No.	(Line) Size	(Orifice Size	:))	. psi		psig	o _F .		
SI		Dize	psig	11W		6kgo				78	
1.	2	8/6	h131			b131	60		1		
2.	2	9/6	3623			3623	60		-	<u> </u>	
3.		11/64	2650			2650 2800					
4. 5.		19/6k	22k0			1300				98	
					ET.OW	CALCULATI	ONS				
	Coeffici	ent				ow Temp.	Gravity	1		Rate of Flow	
No.					Factor		Factor	Factor F _{pv}	l.	Q_MCFPD @ 15.025 psia	
	(24-Hou	r) $$	h _w p _f			Ft	Fg				
1. 2.	A.3261			<u>1144.8</u>		000	0.9721	1.099		1616.1	
$\frac{2}{2}$	0.1110			636.2 663.2			0.9721	1.1		1808.0	
<u>3</u> .	0.6924			2253.2		.000	0.9721	1.1	90	1935-7	
3. 4. 5.	1.50kg			313.2	1	.000	0.9721	1.1		2189.6	
				PI	RESSUE	RE CALCUIA	TIONS				
									: Co	Cas 0 63	
as Li	iquid Hydro	carbon R	atioI	ry	cf/t	obl.	Spec	ific Grav	ity Sepa itv Flow	rator Gas 0.63 ring Fluid -	
ravit	y of Liqui	ld Hydroca	arbons_ (l - e ^{-s})	-	•	ieg.	P _a	6413.2	P _C ²	129	
c	<u>9.936</u>		(1-6 2	V-31	<u> </u>		(
							 				
No.	$P_{\mathbf{W}}$	Pt.	F _c Q	(F _c Q)	2	$(F_cQ)^2$	P _w 2	$P_c^2 - P_w^2$	Ca	P _w	
No.	Pt (psia)	't	· c	(= 0=/		(1-e-s)			F		
1.	4144.2	17174	14.214	808.0		76.168	17250	23879	4153. 3650		
2.	3636.2	13999	16.356	267.5		160.855 134.085	13323	33005	2688		
3.	2663.2	7093	18,859	355.6		130.455	5917	39912	200	0 0.356	
<u>4.</u> 5.	2253.2	1725	21.756	173.3	-	178.443	1903	30226	1380	0 0.215	
	lute Poten		2240			FPD; n	0.81187				
COMP	ANY Te	messee (es Trans	mission	Compa						
ADDR	ESS Bo	x 2544. I	iobbs. He	w Maxiec			arnes - Di	strict Rn	rineer		
	T and TITL ESSED	E	1. (ann	<u></u>		<u> </u>	- 1-0 - 1/A	_ 			
COMP											
5 02.11						REMARKS					

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.
- 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.
- hw Differential meter pressure, inches water.
- FgI 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 $P_{\mathbf{t}}$.