Form C-122

Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

	WILDCAT			Formation_	PICT	m CLIII	5	_County	RIO	WELLA
nitial	l	Anr	nual		Speci	al		_Date of	Test	8-3-56
ompany	y J. P. E	CEMAN		L	ease	CLARK		Wel	.1 No	5
nit	Se <sup>1</sup>	c. <b>5</b> 5	lwo. 2√	Rge	. 34	Purch	aser_	t connect	44	
asing	<b>51</b> Wt.	14 #	T.D.	<b>5"</b> Set	at 356	<b>30</b> Per	330 f. 3	04 3 <b>30</b>	To_	53 <b>1</b> 6 5 <b>344</b>
				<b>2</b> Set						
ao Dae	Enom	5304 ma	-1.5. <u></u> 334		•0	. 700	-CI		Bar.Pr	ess. 12.0
roduci	ing Thru:	Casing		Tub	a.ng,	Sing	Type we gle-Brade	nhead-G.	G. or	G.O. Dual
ate of	f Completi	on:	-82-DG	Packer			Keservo	ir Temp.		
					OBSERVE	ED DATA				
ested	Through	(PERSE)	(Choke	) (MARCA)				Type Tar	os	
		Flow	Data			Tubing		Casing I	Data	Duration
	(Prover) (Line)	(Choke)	9	s. Diff.	i				1	l of Flow
	Size	Size	psi	g h <sub>w</sub>	<del></del>		°F.	psig <b>997</b>	+	Hr.
I .						997				3 ar. Flow
		2 x 3/1	335		66	335	66	360		3 41. 1204
:										
<u></u>				<del></del>	TOW CAT	CIT A TTON	5			
	/		Pressure	FLOW CALCULATIONSssureFlow Temp.GravFactorFacsiaFtF		Gravity	tor   Factor		Rate of Flow	
0.			h <sub>w</sub> p <sub>f</sub> psia			Fg			@ 15.025 psia	
•										
e l	2.3650			34.7	. 4943		9258	1.0	340	1108
. Y										
				PRI	ESSURE C	ALCU ATI	ONS			
	uid Hydroc	arbon Ra	tio		cf/bbl.		Speci	ific Grav	ity Se	parator Gas
s Liq		Hydroca	rbons		deg.				וא עזרי	owing liuid
avity	of Liquid			3)		_	Speci Pc	ific Grav	P <sub>c</sub>	1018.1
ravity	of Liquid			5)			- C	ific Grav	P <sub>C</sub>	1018.1
avity			_(1-e <sup>-s</sup>			-	315			Cal. P.
P P				(F <sub>c</sub> Q) <sup>2</sup>		[cQ) <sup>2</sup> -e-s)	- C	P <sub>c</sub> -P <sub>w</sub>		
P No. P	S W		_(1-e <sup>-s</sup>			-	372 P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub>		Cal. Pw Pc
No. P	S W		_(1-e <sup>-s</sup>			-	315			Cal. P.
PNO. P	o <sub>w</sub>	Pt	_(1-e <sup>-s</sup>		(F (1	[cQ) <sup>2</sup> -e-s)	372 P <sub>W</sub> 2	P <sub>c</sub> -P <sub>w</sub>		Cal. Pw Pc
Ploo P	Ow Pt (psia)	Pt	_(1-e <sup>-s</sup>		(F (1	-	372 P <sub>W</sub> 2	P <sub>c</sub> -P <sub>w</sub>		Cal. Pw Pc
Pool Pool Pool Pool Pool Pool Pool Pool	Ot (psia)  ute Porent	Pt 1: 169	_(1-e <sup>-s</sup>		(F (1 MCFPD;	(cQ) <sup>2</sup> (-e-s)	372 P <sub>W</sub> 2 136.4	P <sub>c</sub> -P <sub>w</sub>		Cal. Pw Pc
PNO. P 1. 2. 3. 4. 5. Absolu COMPAN ADDRES	oute Potent: NY_ SSand TITLE	Pt 1: 169	_(1-e <sup>-s</sup>	(F <sub>c</sub> Q) <sup>2</sup>	(F (1 MCFPD;	(cQ) <sup>2</sup> (-e-s)	372 P <sub>W</sub> 2 136.4	P <sub>c</sub> -P <sub>w</sub>		Cal. 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 dycles.

## NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 600 F.
- Pc= 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.
- 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  $P_{\mathbf{t}}$ .

OIL CONSERVATION COMMISSION								
AZTEC DISTRICT OFFICE								
No. Copies Received 3								
DISTRIBUTION!								
	P.C. FUR HOHED							
Operator								
Ganta Fe	7							
Proration Gifts								
State Land Off w								
U. S. G. S.								
Transporter								
File								