## TEST MO. 1

Form C-122

MULTI-POINT	BACK	PRESSURE	TEST	FOR	CAS	WRITS	
110712 -1 CT14T	DVOIL	エルロシンプリル	エエンファ	ron	GHD	وطبلتان	

Revised	12-1-55

Coefficient  Cathor  Coefficient  Cathor  Cath	Pool	Tubb (	les	MULI	II-POINT Formatio	BACK PRES	SSURE TES	ST FOR GA	S WELLS	Los	Revised 12-1-
Company   The Chief   Tempery   Lease   Edith Datior '8'   Well No.	Initial	×		Annual	•	Spec	ial		Date of	Test	5-15-57
Sec.   13   Twp.   23-5   Rge.   37-6   Purchaser   Permiss   Beals   Pipelies   Co.											
Continue											
Tubing   Type											
As Pay: Prom											
Type Well 6.0 Mel  ate of											
ested Through  (Choke) (Choke)  (Choke) (Choke)  (Preser) (Choke) (Press. Diff. Temp. Press. Temp. Press. Temp. Of Flow Inc.  (Itine) (Choke) (Choke) (Choke)  (Choke) (Choke) (Choke) (Choke) (Choke)  (Itine) (Choke) (Choke										<del>-</del> *	
ested Through  (Choke) (Choke)  (Choke) (Choke)  (Preser) (Choke) (Press. Diff. Temp. Press. Temp. Press. Temp. Of Flow Inc.  (Itine) (Choke) (Choke) (Choke)  (Choke) (Choke) (Choke) (Choke) (Choke)  (Itine) (Choke) (Choke	oroducin	g Thru:	Casin	rg	T	ubing	Sin	Type W	ell 6.0	G. or (	i O Dual
Flow Data  Flow Data  Flow Data  Flow Data  Tubing Data  Casing Data  Casing Data  Co. (Line)  Conficient  Fress, Diff. Temp. Press. Temp. Press. Temp. Of Flow Hr.  Flow Calculations	Date of	(United	10h:	5-9-57	Packe	er_ 6775		Reserv	oir Temp.		
Flow Data  (Preser) (Choke) (Line) (Choke) (Choke) (Choke) (Press.) (Choke) (Choke) (Press.) (Choke) (						OBSERV	ED DATA				
Flow Data  Flow Data  Choke)  Choke)  Choke)  Choke)  Size  Size  Size  Size  Size  Flow Data  Fress.  Fress.  Fremp.  Cop.  Press.  Fremp.  Press.  Temp.  Op.  Temp.  Temp	Cested T	hrough	(Current	(Choke	) (Novowi	<u>)</u>			Type Tar	s 🚥	
Choke   Choke   Choke   Choke   Choke   Choke   Choke   Choke   Size   Size   psig   hw   of psig   of p			Flo	w Data		Т	Tubing	Data			
Size Size psig hw OF, psig OF, psig OF. Hr.	(P	rever) Line)	(Choke	Pres	Diff.	Temp.			Press.	Temp.	,
FLOW CALCULATIONS    Coefficient   Pressure   Flow Temp.   Gravity   Compress.   Rate of Flow   Factor   Factor				, I	g h <sub>w</sub>	o <sub>F</sub> .	psig	$\circ_{\mathbf{F}_{+}}$	psig	∍ <sub>F</sub> .	1
FLOW CALCULATIONS  Coefficient  (24-Hour)  (34-Hour)  (			3/84	16.91		90					
FLOW CALCULATIONS  Coefficient  (24-Hour)  (24-Hour)  (24-Hour)  (24-Hour)  (24-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (26-Hour)  (27-Hour)  (27-Hour)  (28-Hour)  (28-Hour)  (29-Hour)  (21-Hour)  (	. 200		1/2"	147			**			7	
FLOW CALCULATIONS  Coefficient  Pressure  Flow Temp. Factor Facto	<del> </del>								1225	78	3 brs
Coefficient  (24-Hour)  (24-Hour)  (24-Hour)  (24-Hour)  (24-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (25-Hour)  (26-Hour)  (26-Hour)  (27-Hour)  (28-Hour)  (28-Hour)  (29-Hour)  (29-Hour)  (21-Hour)  (21-Hour)									1025	13	2.075
PRESSURE CALCULATIONS  PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Plowing Fluid C1-e-S) Pt (PcQ) <sup>2</sup> (FcQ) <sup>2</sup> (FcQ) <sup>2</sup> P <sub>w</sub> P <sub>c</sub> P <sub>c</sub> <sup>2</sup> P <sub>c</sub>						FLOW CALC	ULATIONS	5			
(24-Hour)   \( \text{h}_{w} \text{p}_{f} \)   psia   Ft   Fg   Fpv   @ 15.025 psia		pefficie	ent	F	ressure	Flow T	emp.				
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio of/bbl. Specific Gravity Separator Gas of/bbl. Specific Gravity Flowing Fluid of the first of the fi		(24 <b>–</b> Hour	•)  \_/	hwpf	psia				<b>I</b>	i	_
PRESSURE CALCUIATIONS  Liquid Hydrocarbon Ratio	3.0							0.9359	1.17		5397-3
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc Gas Specific Gravity Flowing Fluid Pc Gas	3.3	317	<del></del>					0.9359 8.8366			9642.6
PRESSURE CALCULATIONS  Liquid Hydrocarbon Ratio	12.1			1	M2.2						13379.3
Pw Pt Fc (FcQ) (FcQ) (FcQ) Pw Pc Pc Pw Fc  Pt (psia) Pt Fc MCFPD; n McFPD; m McMPD;	·				PR	ESSURE CA	LCU ATIC	ns			
Pw Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Cal. Pw Pc Pc Pw Cal. Pw Pc Pc Pc Pw Pc Pc Pw Pc					lared	•		Speci	fic Gravit	ty Sepa	rator Gas
Pt (psia)  Pt Fc (FcQ)  Pt (psia)  Pt Fc (FcQ)  Pt (psia)  Pt Fc (PcQ)  Pt (psia)  Pt Pt (psia)  Pt Pt (psia)  Pt Pt Pc (psia)  Pt Pt Pc (psia)  Pt Pt Pc (psia)  Pt Pt Pc (psia)  Pt Pc Pt Pc Pt Pc		1.812	. nyuroca		0.34	deg.		Speci P <sub>C</sub>	fic Gravit 1850.1	P <sup>2</sup>	ing Fluid ——
Pt (psia)  Pt Fc (FcQ)  Pt (psia)  Pt Fc (FcQ)  Pt (psia)  Pt Fc (PcQ)  Pt (psia)  Pt Pt (psia)  Pt Pt (psia)  Pt Pt Pc (psia)  Pt Pt Pc (psia)  Pt Pt Pc (psia)  Pt Pt Pc (psia)  Pt Pc Pt Pc Pt Pc								<u> </u>		- 0	
Solute Potential: 19,800 MCFPD; n 0.811151  MPANY The Chie SII Empory DRESS P.O. Dec 2107, Nabbe, See Manico ENT and TITLE N. D. Chiles - Petroleum Engineer TNESSED J. L. Berber - Petroleum Engineer MPANY The Chie SII Company REMARKS			-2	- 0	( )2		.2		2 1		
solute Potential: 9,000 MCFPD; n 0.811151  MPANY The Chie SI Company DRESS P.O. Text 3107, Name of the Potential Engineer FINESSED J. Barber - Petrolem Engineer MPANY The Chie SI Company REMARKS		psia)	P <del>t</del>	FcQ	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub>	Q)~ e-s)	P <sub>w</sub> 2	$P_{C}^{Z}-P_{W}^{Z}$		
solute Potential: 19,200 MCFPD; n 0.811151  MPANY The Chi CI Canaday  DRESS P.O. See 2107, Made, for Menico ENT and TITLE N. D. Chi les - Petroleum Engineer INESSED N. Derber - Petroleum Engineer MPANY The Chi Ci Canaday  REMARKS		.2	<b>359.</b> 3			23.	72		703.1	1647.4	83.5
solute Potential: 19,200 MCFPD; n 0.811151  MPANY The Chie Cli Company  DRESS P.O. Dex 2107, Nubbe, New Maxico  ENT and TITLE N. D. Chiles - Petroleum Engineer  TNESSED J. L. Berber - Petroleum Engineer  MPANY The Chie Cli Company  REMARKS	- 3		1111	15-459	31.2	- 4		275-5	1122-7	198.	
solute Potential: 19,800 MCFPD; n 0.811151  MPANY The Chie 511 Company  DRESS P.O. Dax 2107, Nobbe, Now Maxico  ENT and TITLE N. D. Chilos - Potrolous Engineer  TNESSED J. L. Barbor - Potrolous Engineer  MPANY The Chie 511 Company  REMARKS	1043			34.343		145.		232.0	2191.2	1116.	
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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  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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.
- $h_{\mbox{\scriptsize W}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_{\mathbf{t}}$ .