FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Factor Factor Factor Pressure Flow Temp. Gravity Factor Factor Pressure Flow Temp. Gravity Factor Factor Pressure Factor Factor Factor Pressure Flow Temp. Gravity Factor Factor Factor Pressure Flow Temp. Gravity Factor Factor Pressure Flow Temp. Gravity Flow Temp. Gravity Flow Temp. Gravity Flow Temp. Gravity Gravity Gravity Flow Temp. Gravity Flow Temp. Gravity Gravity Gravity Gravity Gravity Gravity Gravity Flow Temp. Gravity Gra				ŀ	OLTI	-POINT B	ACK PRES	SSURE TES	r FOR GAS	WELLS		Revised 12-1-
Marting Mart	Poo!	Astec		· · · · · · · · · · · · · · · · · · ·	F	ormation		Fictured	Cliffs	_County_	Ser	Juan
Data Sec. 1 Twp. 308 Rge. 11% Purchaser	Ini	tialX	······································	_Annua]			Spec	cial		_Date of	Test	3/29/60
Data Sec. 1 Twp. 308 Rge. 11% Purchaser	Comp	panyA	stec 01	1 & Oe	S COM	pany	Lease		îlye	We]	Ll No	4
Asing 2 7/8 Wt. 0.50 I.D. 2.441 Set at 2.23 perf. 2552 To 2566 Asing Wt. I.D. Set at Perf. To Asing Pay: From 2352 To 2566 I. 2552 XO 2465 OL 1559 Bar.Press. 12 Asing True: Casing I. Tubing Type Well I. I. Asing Type Well I. Asing Type Type I. Asing Type												,
Description Display												
Size												
Tubing												
OBSERVED DATA Tubing Data Casing Data Of Flow Of F												
OBSERVED DATA Sested Through Flow Data Flow Data Flow Data Tubing Data Casing Data Duration of Flow Inches Size Size psig hw or psig or psig or hy. Hr. Flow CALCULATIONS Flow Temp. Flow Calculations Flow Temp. Factor Flow Temp. Flow Temp. Flow Temp. Flow Temp. Flow Temp. Factor Factor Factor Factor Factor Factor Factor Factor Flow Temp. Flow Temp. Factor Flow Temp. Factor)ate	of Complet	ion:	3/25/	/60	Packe	r	Sin	Type we gle-Brade Reserve	enhead-G.	G. or	G.O. Dual
Plow Data Tubing Data Casing Data						.						
Plow Data Tubing Data Casing Data	'est	ed Through	Tion	er (Ch	oke)	(Manage)	3 .			Type Car		
Choke Press. Diff. Temp. Press. Temp. Duration of Flow Size Size psig hw OF. psig OF. psig OF. psig OF. psig OF. O								Tubing	Data	Casing I	Data	1
Size Size psig h _w of psig of			(Chol	ke) F		Diff.	Temp.					
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Factor	0.	•	Si	ze	psig	h _w	$^{\mathrm{o}}_{\mathrm{F}}$.	psig	°F.	psig	°F.	1
FLOW CALCULATIONS Coefficient Coefficient Coefficient Coefficient Pressure Flow Temp. Factor F	I									1		
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Q-MCFPD psia Ft Fg Fpv @ 15.025 psi PRESSURE CALCULATIONS Stiquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing fluid Q-MCFPD Pc TG	•		0.1	<i>γ</i>						42	60	3 tare.
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Factor Games Factor Fact	•					 					 	
FLOW CALCULATIONS Coefficient	:										 	<u> </u>
Coefficient (24-Hour) (34-Hour) (34-Hour) (44-Hour)												
Coefficient (24-Hour) (34-Hour) (34-Hour) (44-Hour)			,			1	FI.OW CAI	.CIII.ATTON:	5			
PRESSURE CALCULATIONS S Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 708 Pc 90	Т	Coeffici	ent		Pi					Compre	ess.	Rate of Flow
PRESSURE CALCU ATIONS S Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc 706 Pc 90.064 Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Pw Pc 90.064 Specific Gravity Flowing Fluid Pc 706 Pc 90.064 Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Pw Pc 90.064 Specific Gravity Flowing Fluid Pc 706 Pc 90.064 Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Pw Pc 90.064 Specific Gravity Flowing Fluid Pc 706 Pc 90.064 Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Pw Pc 90.064 Specific Gravity Flowing Fluid Pc 706 Pc 90.064 Pt (psia) Pt FcQ (FcQ)2 (FcQ)2 Pw2 Pc-Pw Pw Pc 90.064 Specific Gravity Flowing Fluid Pc 90.066 Specific Gravity Flowing Fluid Fl	0.	,	. 1		-					i		•
PRESSURE CALCUTATIONS S Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc 768 Pc 76		•	r) -	$V^{ m h_{W}p_f}$		- 1		-				
PRESSURE CALCULATIONS S. Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas	٠	12.36%				5 4	1.6)(3)	0.9600	1.4	10h	644
PRESSURE CALCULATIONS S. Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas	•						····					
PRESSURE CALCULATIONS S. Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas	5											
PRESSURE CALCULATIONS S. Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas	:+				-							
Avity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid P _C 766 P _C 501.64 P _W P _t (psia) P _t F _c Q (F _c Q) ² (F _c Q) ² (P _c Q) ² P _w P _c P _c P _w Cal. P _w P _c						PR	ESSURE C	CALCULATIO	ons			
Avity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid P _C 766 P _C 501.64 P _W P _t (psia) P _t F _c Q (F _c Q) ² (F _c Q) ² (P _c Q) ² P _w P _c P _c P _w Cal. P _w P _c	s T	iauid Hydro	ca rhon	Ratio			cf/bbl.		Speci	fic Gravi	itv Sena	arator Gas
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				ocarbon	s				Speci	fic Gravi	ity Flor	wing Fluid
Pt (psia) Pt (ps				(1-	e ⁻s ∑			-	P _c	708	Pc^	501_264
Pt (psia) Pt (ps												
Dissolute Potential: SAG MCFPD; n C.85 OMPANY Astec Cil & Corpery ODRESS Box (C), Faraington, For Nextee GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS L. M. Stevens, Dist. Engineer	Ţ	$P_{\mathbf{W}}$	_2			/= :>2		2		_2 _2		_
Dissolute Potential: SAG MCFPD; n C.85 OMPANY Astec Cil & Corpery ODRESS Box (C), Faraington, For Nextee GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS L. M. Stevens, Dist. Engineer	0.	Pt (psia)	$P_{\mathbf{t}}$	FcQ		(F _c Q)~	(F	[cQ) _e−s)	$P_{\rm w}^2$	Pc-Pw	Ca	Pw Pc
Dissolute Potential: Seg. MCFPD; n. 0.85 OMPANY Astec Oil & Gen Company ODRESS Box (15) Fundington, Sev Next co GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS L. M. Stevens, Dist. Engineer	<u>.</u>			3.9	75	12.760			4.373	450.00	. 65	w i -
DORESS DOREST ORIGINAL SIGNED BY L. M. STEVENS MCFPD; n 0.85 MCFPD; n 0.85 MCFPD; n 0.85 MCFPD; n 0.85	-											
DORESS Box # 755, Farmington, New Newtoo GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS MCFPD; n 0.85 MCFPD; n 0.85	•										-	+
DORESS Box # 755, Farmington, New Newtoo GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS MCFPD; n 0.85 MCFPD; n 0.85	+			+								
OMPANY Astec Oil & Use Company ODRESS Box (10), Farmington, New Mexico GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS L. M. STEVENS, Dist. Engineer		Juto Person	101.	<u> </u>			MCEDD -	n 0.5	is.	<u> </u>		
DDRESS BOR 6 (3), Farmington, New Newton GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS L. M. STEVENS, Diet. Roginals					*-		mcrpu;	II Vet	<u> </u>			
GENT and TITLE ORIGINAL SIGNED BY L. M. STEVENS	DDF	RESS BOR	785,	PRETALDA	ton,	Sev bex	100					
	GE	IT and TITLE	ORIG	INAL SIG	VED BY	L. M. STEV	ZENS		be No Bu	rene, Di	rt. Rog	Transcor

COMPANY



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 I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI 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.
- $h_{\boldsymbol{w}}\boldsymbol{\Xi}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{L}}$.

100000	and the same of th	e government of paying
Mo the server		TO COME TO STATE OF THE STATE O
the second of th		The second of th
Separation of the second of th		The figure of the decomposition of the second of the secon
2864735		the second section of the second seco
Prince of the second	e Programme of the second of t	
The second secon	و النبي والعرف بالمرافقة (ما المرافقة) . - المرافقة (معلى المرافقة) المرافقة (مرافقة) المرافقة (مرافقة)	***
Transporter File	a managaran	
er de selection de la company de la comp	are reas entremental commences	