Size Size psig hw OF. psig OP.				NTETAI	MEYTOO	OTI CONS	こいひひんがてへい	r come a sa	· Cam		, -	
MULTI-POINT BACK PRESSURE FEST FOR CAS WELLS Devised 12-1				MITM	PERIO	OIL COM			LOIV (LVIS A. UT.	Form C-12	
Date of Test 1-25 to Belse Date of Test 1-25 to Belse Data				MIT TO T	DOTNE D	ACK DOES						
Date of Test 1-25 to Belse Date of Test 1-25 to Belse Data	•	8 %		MULII-	-POINT B	AUN PRES	Source 457	or FOR GAS	2:13 -			
Dear												
t. B Sec. 5 Twp. 213 Rge. 36L Purchaser Fermian Lawin FL Ce. ting 5.5 Wt. 17 I.D. 4.892 Set at 3718 Perf. 3399 To 3700 ting 2.775 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3694 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Set at 3695 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Perf. To ting 2.375 Perf. To ting 2.375 Wt. 4.7 I.D. 1.995 Perf. To ting 2.375 Perf. To ting 2						_	-					
ting 5-5 wt. 17 I.D. 1.692 Set at 3718 Perf. 3397 To 1700 ting 2375 Wt. 1.7 I.D. 1.995 Set at 3651 Perf. To Pay: From 3399To 3700 L 3651 xG 3665 TOL 2157 Bar.Press. 11.2 ducing Thru: Casing Tubing I Type Well Single e of Completion: 1-1-51 Packer Reservoir Temp. OBSERVED DATA Type Taps Pipe Flow Data (Prover) (Orbits) Press. Diff Temp. Press. Temp. Press. Temp. Or Flow Size Size psig hw Op. psig Op. psig Op. psig Op. Hr. Size Size psig hw Op. psig Op. psig Op. psig Op. Hr. 1.50 161-7 7at 77 633-77 650-7 750-7 11-3 11-3 11-3 11-3 11-3 15-1 76 75-0 15-1 77-5 24 11-3 11-3 11-3 11-3 11-3 11-3 11-3 11-												
Pay: From												
Pay: From	sin	5.5 W	rt	I.D. 4.8	92 Se	t at	7 1.8 Pe	rf. 3359	- 	То	3700	
Tubing Trype Nell Single Sing	bing	2 2 375 W	t. 4.7	I.D. 1.9	95 Se	t at	694 Pe	rf		To		
Completion: 1-1-51 Packer None Reservoir Temp.	s Pa	ay: From_	3399 To _	3700	L 369	% x	.G665		457	Bar.Pres	s. 13.2	
Completion: 1-1-51 Packer None Reservoir Temp.	oduo	ing Thru:	Casing_		Tu	bing X		Type We	11 Single	<u> </u>	O Duel	
Type Taps	te d	of Complet	ion:	1-54	Packe:	r No	Sin	gle-Brade Reservo	ennead-G. oir Temp	G. or G.	O. Dual	
Flow Data						OBSERV	ED DATA					
Choke Choke Press Diff Temp Press Temp Press Temp Of Flo Size Size psig h Of psig OF psig OF psig OF Size Size psig h Of Flo Of Flo Size Size Size psig h Of Flo	sted	l Through	(Press)	(Chers)	(Meter)				Type Tap	s	Alpe .	
(Line) (Orifice) Size psig h _w o _F . psig o _F . psig o _F . psig o _F . Hr. 1.50 1	<u> </u>	(Provider)			Diff	Town					Duration	
1.50 1.51		(Line)	(Orifice)			•			:	, ,	of Flow	
1.50 1.50		Size	Size	psig	h _w		1	1		1		
	Τ.	_ ·					843.7		850.7		24	
Provided Hydrocarbon Ratio Cf/cq) Pressure Fcq	Ţ.,	4										
Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Q-MCFFD Factor			1.50					 		 	25	
Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow Q-MCFFD Factor				1								
Pactor Factor F										·		
C24-Hour		Coeffici	ent	Pr	essure		- 1	-	, -			
Pressure calculations Pres	1	(24-Hou	$r) \sqrt{h_1}$	"Dr	psia)			I	•	
PRESSURE CALCULATIONS		15.26	58.1	3	\$50.9			• 7470	1.062			
PRESSURE CALCULATIONS		15.25	85.0	10	\$3/•/			-21-28	1.0.2		1276	
PRESSURE CALCULATIONS 12 1.19: Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc							ì		-			
PRESSURE CALCULATIONS 12 1.19: Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Specific Gravity Flowing Fluid Pc	1_								200 0 31	,		
Pw					PRI	ESSURE C	ALCU ATI					
Pw	Lio	uid Hydro	carbon Rati	io		of/bbl		Speci	fic Gravi	tv Senar	ator Gas	
Pw Pt (psia) Pt FcQ (FcQ) ² (FcQ) ² Pw ² Pc-Pw Cal. Pw Pc Cal.	\mathbf{vit}	of Liquid	d Hvdrocarl	oons		deg.		Speci	fic Gravi	ty Flowi	ng Fluid	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				(1-e ^{-s})_			-	Pc	76445	_Pc	401	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	T	,										
100.3 100.4 93 100.4 93 100.4 93 100.4 171.3	·Ì		$P_{\mathbf{t}}^2$	_ි ට	$(F_cQ)^2$	(F	$(Q)^2$	P_w^2	$P_c^2 - P_w^2$	Cal	• <u>P</u> <u>w</u>	
626.7 790.7 625.2				-		(1	-e ^{-s})		108_b	Pw		
750-7 755-2 825-2 825-5 86 735-2 0lute Potential: 1910 PANY RESS NT and TITLE 71. 2. 2. 11. 2.		626.7		-	- 			683.4	171-3	 	59	
olute Potential: h9k0 MCFPD; n 0.8k	1								229.5		86	
PANY RESS NT and TITLE The state of the sta	+	13708		-				フはい・シ	211108		90	
RESS Res 2167, Robbe, N. T.		te Porent	ial. k9k0			MCEPD.	n (.84				
NT and TITLE The Sound			I VII Corp	erettan			**					
		~										
が下つつにか		and IIILE	1. o	7- 801.17	1 = (A							

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 I 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $\mathbf{F}_{\mathbf{DV}}\mathbf{I}$ 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_{+} .