MULTI-POINT BACK	PRESSURE	TEST	FOR	GAS	WEILS
			1 016	U.D.	7111111

Revised 12-1-55

Po	ool <u>Eumon</u>	rt		F	ormatic	n Yate	os - Se	even	Rivers	1937 d Count <i>y</i> _	Lea	•	
													56
Initial Annual Special X Date of Test June 20, 1956 Company The Atlantic Refining Company Lease Seale - Federal Well No. 2													
Unit K Sec. 34 Twp 20-S Rge. 36-E Purchaser Southern Union Gas Company													
Casing 51 Wt. 11# I.D. 5.012 Set at 3899 Perf. 3749 To 3776													
Tubing 2" Wt. 4.7# I.D. 1.995 Set at 3766 Perf. To													
Gas Pay: From To L xG 678 -GL Bar Press.													
Producing Thru: Casing TubingX Type Well SingleBradenhead-G. G. or G.O. Dual Reservoir Temp.													
Dat	e of Comple	etion:_	9-29-5	55	Packe	er		Sing]	e-Brade Reserve	enhead-G.	G. or	G.O. Dual	
										· · · · · · · · · · · · · · · · · · ·			
OBSERVED DATA Tested Through (Prover) (Choke) (Meter) Type Taps													
			low Dat		1110001	<u> </u>				Type Tap			
	(Prover)	(Oho	ke) P		Diff.	Temp.		ing D	ata Temp.	Casing I		D	
No.	(Line) Size	(Orif	ice)		h _w	o _F .	ŀ	- 1	°F.			of Fl	
SI)_tt			PDIE	11W	r •				psig	F.		
1. 2. 3.	Jin	1	11	560	1811	_ 72	800	854		855		72	
2.	<u> </u>		11	563	34"	74	750			80 <u>4</u> 762		24	
	<u>}</u> 111			565	911	76	699	7		727	 	2h /	
4.	Tu	 1	- -	565	17"	78	601	V		655		211	
		<u> </u>	 -	-\- -			9						
FLOW CALCULATIONS													
	Coeffici	Lent		Pr	essure	Flow	Temp.		ravity	Compre	58.	Rate of Flo	T.7
No.	(24-Hou		<u></u>	-	1				Factor	Facto	r	Q-MCFPD	W
	(24-Hou	ir)	h _w p _f		osia	\mathbf{F}_{1}	t		Fg	$\mathbf{F}_{\mathbf{p}\mathbf{v}}$		@ 15.025 ps	ia
1.	6.135		101.6	5	73.2	•9887			9407	1.060			
2.	6.135		0،0 للد	5	76.2	-9868			9407	1.060		614.5 845.1	}
3.	13.99		72.2	5	78.2	•9850			9407	1.057		989.3	
<u>4.</u> 5.	13.99 99.		99.1	578-2		•9831			9407	1.057		1355.2	/
~°-1													
					PRE	ESSURE CA	LCUT.A'	rTONS	.				
70 - T		_											
Gravity of Liquid Hydrocarbons deg. Specific Gravity Separator Gas Specific Gravity Floring													
F.	9.936	a nyaro	carbons 1-e		0.370	deg.			Specif	ic Gravit	y Flow	ing Fluid	678
· (:	7.750		(1	0.168				Pc {	354)	$P_{\rm c}^2 = 72$	9.3	
	$P_{\mathbf{w}}$	2	T								1		
No.	- /	$_{ m P_{t}^{2}}$	F _c Q		$(F_cQ)^2$	(F ₀	$Q)^2$		P _w 2	$P_c^2 - P_w^2$	Cal	1 1	
	Pt (psia)			_	-	(1-	e-s)		W	-C -M	P.	1 W	
1. 2.	800	610.0	6.106		37.283	6.2	264	61	6.3	83.0	 -	930	
3.	750 699	562.5 488.6	8.397 9.830		70.510 6.629	11.8 16.2	346	57	L-3	155.0			
4.	601	361.2	13.465		10.029	16.2	34		4.8	224.5			
4. 5.		20105	ونيدوريد	10	31.306	30.1	אכן	39	1.7	337.6		762	6
	last of D	·		- 									
COMPA	Absolute Potential: 1800 MCFPD; n50 COMPANY The Atlantic Refining Company												
ADDRE		O38 A	Refini en ver C	ng Co	mpany								
	and TITLE	nan	CILVEA, O		A. Car	on Diant-	dat A						
WITNE	SSED		<u> </u>		A. UMI	T DISCI	TCT S	uperi	ntender	TT.			
COMPA						······································							

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

- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fny Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.