## NEW MEXICO OIL CONSERVATION COMMISSION

111 00 07740E 000 Form C-122

				MULTI	-POINT H	BACK PRE	ssure tes	T FOR GA	S WELLS	n: n7	Revised 12-1-55	
Poc	l Eur	ont		F	ormation	Seven	Rivers-Q	ueens	County_	Les		
Ini	InitialAnn			ualSpecial					Date of	Test	7-5-56	
Com	pany Amera	da Peti	roleum	Corpor	ration	Lease	State "	D#	Wel	Ll No	3	
	t											
	ing 6-5/8"											
				. 2.992 Set at 3748 F								
										-	ess. 13.2	
Pro	ducing Thru	Ca:	sing	I V	Tu	hing	··· <u> </u>	Time We	2042°	Dar.Pre	288, 13.2	
Date	e of Comple	tion:	0		Paaka		Sin	lype we gle-Brade	enhead-G.	G. or G	.O. Dual	
	- 01 00mp10	· · · · · · · · · · · · · · · · · · ·			racke		/ i	,	oir Temp	88	<u> </u>	
Ton	had Mhmanah	<b>(</b> D)	\ (a		(a		ED DATA	r ·				
Tested Through (Prover) (Choke) (Meter)  Type Taps												
	(Prover)	I (Che	low Da	ta	Dice		Tubing	Data	Casing D	ata		
No.	(PTHE)	(Orif	TCE)		1 1		Press.	T'emmp.	Press.	Temp.	Duration of Flow	
_	Size	Si	ze	psig	h <sub>w</sub>	°F•	psig	°F.	psig	<sup>⊃</sup> F•	Hra	
SI		<del> </del>							934.2		71.75	
1.			75*	458 456	9.1				779.4		24.00	
3.	//8	<u> </u>		<u> 430 </u>	20				723 667.4	<b></b>	24.25	
<u>4.</u> 5.	48			461	31	72			568	<b>-</b>	24.00	
2. !		_ <del></del>		<del></del>					7			
						TOW CAL	CULATIONS	3	,			
	Coeffici	ient		Pr	essure	Flow		Gravity	Compre	ss.	Rate of Flow	
No.			_ / h =	-		Factor		Factor	Factor		Q-MCFPD	
<del>-</del> +	(24-Hour)		√ h <sub>w</sub> p <sub>f</sub>		psia F				F <sub>p</sub> v		@ 15.025 psia	
1. 1 2. 1	21.69		65.47 81.05			0.98		0.9498	1.070		1419	
1. 2. 3. 4. 5.	H		97.5			0.98				061	1750 2104	
4.	R		121.2	5		0,98				053	2600	
5.1												
					PRE	ESSURE CA	ALCU ATIO	ns				
Gas L	iquid Hydro	carbon	Ratio			cf/bbl.		Smaad	<b>6</b>	. 0		
Gravi	ty of Liqui	d Hydr	ocarbon	າຣ		deg.		Speci	lic Gravit fic Gravit	y Sepai v Flow	rator Gas 0.665	
Fc	ravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Pc 947.4 Pc 898											
								-	<del>-</del>	- <del> </del>		
	$P_{\mathbf{w}}$	2		T		1				T	<del></del>	
No.		$P_{\mathbf{t}}^2$	F <sub>c</sub> Q	;	$(F_cQ)^2$	(F <sub>c</sub>	$(Q)^2$	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca]	L. P.	
<del></del>	P <sub>t</sub> (psia)	700			661	(T-	-€ 5)	"		P	P <sub>W</sub>	
1. 2.	736	628 54.2	24	.85 .48	394.02 599.27		52 78	680 620	21.8 278	824	87.01	
3.	670	449	29	43	866.12		14	563	335	78 <b>9</b> 753	83.31 79.52	
4. 5.	581	338	36	.37	1322.78	1	73	511	387	714		
		·	<del></del>	———— •								
Absolute Potential: 5.300 MCFPD; n 0.9430 COMPANY Amerada Petroleum Corporation												
ADDRESS Drawer D - Monument, New Mexico												
	r and TITLE	W.	G. Abb	ott -	Dist.	ngineer	W	1. ak	both			
	ESSED_ ANY Perm	Lan _	Basin	120								
( )( )M( Pr	AND FRANCE	11 av	Dasin	1-0								

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 = Actual rate of flow at end of flow period at W. H. working pressure  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg = Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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  $P_{\rm t}$ .