NEW MEXICO OIL CONSERVATION COMMISSION HOBBS OFFICE OCC Form C-122

			;	MULTI-	POINT BAG	CK PRES	sure 19561	FEEDR 1GAS	WELLS 10: 1	Ω	Revise	ed 12-1-55
-	Eumont			FO	rmation_				_councy_			
Initia	ialAnnual			1		Spec	ial	X		Test	1-14-57	
Compar	y Amerad	a Petro	leum (Corpor	stion L	ease	Pederal	н D и	Wel	1 No		
Unit	X S	Sec. 26	Twp	20-	8 Rge	. 36-E	Purcl	naser	El Paso N	atural	Gas	
	g 7" Wt. 23# I.D.											
	2 2 2 V											
	ay: From_											
Date o	ing Thru:	cion: 2	-3-55		Packer	379	1' Sing	gle-Brade Reservo	enhead-G. oir Temp.	G. or (3.0. D	ual
							ED DATA					
Tested	i Through	(Prove	r) (8	nerey	(Tester)	ODDEAN	20 2		Type Ta	os	Flan	<u>e•</u>
			ow Da				Tubing		Casing I		 	Dunstian
No.	(Prover)	(Orifi		Press.	Diff.	Temp.		Temp.	Press.			Duration of Flow
	Size	Siz	ie	psig	h _w	o _F .	psig	°F.	psig	[⊃] F•	 	Hr.
SI 1.	2*	34	25	554		67	 		596 534	 	+	***
2.	2*	11.		300	 	67			500			3
3.	2"	.2		453		63			433		 	3
4. 5.	2* 2*	.2		413		64			409		┼	24
No.	Coefficient (24-Hour) √		√ h _w p	h _w p _f Pressure		FLOW CALCULA Flow Temp Factor Ft		Gravity Factor Fg	r Factor F _{pv}		Rate of Flow Q-MCFPD @ 15.025 psia	
2.	.7851		5		513.2	. 99	33	. 94.63	1.055		400	
3.	1.0634		4		66.2 .99		1 .94.5 2 .94.5		1.052		50 <u>1</u> 590	
4. 5.	1.4030				25.2	.99	12	.9463	1.0		584	
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Fc												
No.	^P w Pt (psia)	Pt ²			$(F_cQ)^2$	(-	F _c Q) ² L-e ^{-s})	P _w 2	P _c -P _w	С	al. P	Р <u>w</u> Рс
1.	567.2	321.	7	.16	.03		.004	321.7	107.8		3.2	: 27
2 . 3•	513.2 466.2	263. 217.		43	.18		.025	217.3	153.8	44	6.2	.77
4.	426.2	1.01.	6	.51	.26		.037	181.6	189.5		26.2	.70
5.	422.2	178.	2	.52	.25	ــــــــــــــــــــــــــــــــــــــ	.036	178.2	174.7	44.4		
Absolute Potential: 920 MCFPD; n .65 COMPANY Amerada Petroleum Corporation ADDRESS Hommont, New Mexico AGENT and TITLE W.G. Abbett District Engineer W.S. Called												
WITNE COMPA	SSED	- 1	R. P	O Hats	Iral Gas	Comeny	•	,				
COMPA	IN I							15				A' 1

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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- $h_{\mathbf{W}}^{\perp}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n _ 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 $P_{\rm t}$.