

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-21-87	
Company Amoco Production Company		Connection	
Pool Bravo Dome		Formation Tubb	
Completion Date 2-26-81		Total Depth 2597'	Plug Back TD 2554'
		Elevation 4696'	Unit BDCDGU
Csg. Size 5.50	Wt. 14	d 4.9	Set At 2597
Perforations: From 2150'	To 2331'		Well No. 1934-131B
Tub. Size 2.875	Wt. 6.5	d 2.441	Set At 2087
Perforations: From	To		Unit Sec. Twp. Rge. R 13 19 34
Type Well - Single - Brdhead - G.C. or G.O. Multiple Single		Pecker Set At 2087'	County
Producing Thru Tubing		Reservoir Temp. °F 90	Mean Annual Temp. °F 50
		Baro. Press. - P _g 12.25	State New Mexico
L	H	G _g	% CO ₂ 100
			% N ₂ 0
			% H ₂ S. 0
Prover		Meter Run 4.0	Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4.026 x	2.250	193	29	58	294	192	58	0		24 hrs
2.	4.026 x	2.250	203	25	58	202	58	58	0		24 hrs
3.	4.026 x	2.250	212	20	58	212	58	58	0		24 hrs
4.	4.026 x	2.250	225	14	59	224	59	58	0		24 hrs
5.									0		24 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							1725
2.							1590
3.							1491
4.							1349
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.					0		1.529	XXXXXX	1072	496
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1.	204.25	41,178	52,071	
2.	214.25	45,903	47,886	
3.	224.25	50,288	43,501	
4.	236.25	55,814	37,975	
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8011$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2910$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.677$

Absolute Open Flow	2910	Mcfd @ 15.025	Angle of Slope @	41.32	Slope, n	8793
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Remarks: Test was run from a low flowing tubing pressure to a high flowing tubing pressure to minimize liquid loading effects.

Approved by Commission:	Conducted By: RANDY MAHANNAH	Calculated By: RICHARD ROETH	Checked By:
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