

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-4-87	
Company Amoco Production Company		Connection	
Pool Bravo Dome		Formation Tubb	
Completion Date 1-11-81		Total Depth 2450	Plug Back TD 2364
		Elevation 4690	Farm or Lease Name
Csg. Size 5.50	Wt. 14	d 4.90	Set At 2450
Perforations: From 2120 To 2330		Well No. 1935-061G	
Tub. Size 2.875	Wt. 6.5	d 2.441	Set At 2112
Perforations: From To		Unit Sec. Twp. Rge. G 6 19 35	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At 2074	County Union
Producing Thru Tubing	Reservoir Temp. °F 90	Mean Annual Temp. °F 50	Baro. Press. - P _g 12.25
State New Mexico			
L	H	Gg	% 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
SI							298		0		
1.	4.026 x	2.375		190	31	53	192	53	0		24 hrs
2.	4.026 x	2.375		203	25	54	204	54	0		24 hrs
3.	4.026 x	2.375		225	15	56	227	56	0		24 hrs
4.	4.026 x	2.375		238	11	55	240	55	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, Mcd
1.							1952
2.							1834
3.							1574
4.							1325
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas 1.529	XXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX	
4.					Critical Pressure 1072	P.S.I.A.
5.					Critical Temperature 496	P.S.I.A.

P _c 310.25	P _c ² 96,255	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.7390$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.4416$
NO.	P _r ²	P _w	P _w ²
1	202.25	40.905	55,350
2	215.25	46,332	49,922
3	237.25	56,287	39,967
4	250.25	62,625	33,630
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Absolute Open Flow 2814		Mcd @ 15.025	Angle of Slope @ 33.4647	Slope, n 0.6610
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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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