

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-20-87									
Company Amoco Production Company		Connection									
Pool Bravo Dome		Formation Tubb									
Completion Date 12-1-80		Total Depth 2590	Plug Back TD 2545								
		Elevation 4823	Farm or Lease Name								
Csg. Size 5.5	Wt. 14	d 4.9	Set At 2590								
Csg. Size 2.875	Wt. 6.5	d 2.441	Set At 2170								
Perforations: From 2220 To 2460		Well No. 1934-031G									
Perforations: From To		Unit G 3 19 34									
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At 2170	County Union								
Producing Thru Tubing	Reservoir Temp. °F 90	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.25								
State New Mexico		Meter Run 4.0									
Taps Flange											
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI											
1.	4.026 x 2.00			195	31	60	308	197	60	0	24 hrs
2.	4.026 x 2.00			204	26	59	206	59	0	0	24 hrs
3.	4.026 x 2.00			215	19	61	216	61	0	0	24 hrs
4.	4.026 x 2.00			228	15	60	229	60	0	0	24 hrs
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcd				
1.											
2.							1363				
3.							1262				
4.							1123				
5.							1005				
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0						
1.					A.P.L. Gravity of Liquid Hydrocarbons Mcl/bbl.						
2.					Specific Gravity Separator Gas 1.529						
3.					Specific Gravity Flowing Fluid X X X X X						
4.					Critical Pressure 1072 P.S.I.A.						
5.					Critical Temperature 496 R						
P _c 320.25 P _c ² 102,560											
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²							
1.		209.25	43,785	58,775							
2.		218.25	47,633	54,927							
3.		228.25	52,098	50,462							
4.		241.25	58,201	44,359							
5.											
Absolute Open Flow 2340					Mcd @ 15.025						
Angle of Slope @ 44.15					Slope, n .9708						
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:					