

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 2-8-81		Total Depth 2760	Plug Back TD 2497
Elevation 4778		Form or Lease Name	
Csq. Size 5.50	Wt. 14	d 4.9	Set At 2760
Perforations: From 2220 To 2421		Well No. 2034-261G	
Tsq. Size 2.875	Wt. 6.5	d 2.441	Set At 2158
Perforations: From To		Unit Sec. Twp. Rge. G 26 20 34	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At 2158	County Union
Producing Thru Tubing	Reservoir Temp. °F 90	Mean Annual Temp. °F 50	Baro. Press. - P _b 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							286		0		24 hrs
1.	4.026 x 1.50			192	59	60	194	60	0		24 hrs
2.	4.026 x 1.50			206	43	60	208	60	0		24 hrs
3.	4.026 x 1.50			219	29	62	221	62	0		24 hrs
4.	4.026 x 1.50			239	13	61	241	61	0		24 hrs
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							997
2							895
3							789
4							547
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons
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 298.25	P _c ² 88,953					
NO.	F _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9165$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6744$
1		206.25	42,539	46,414		
2		220.25	48,510	40,443		
3		233.25	54,405	34,547		
4		253.25	64,135	24,817		
5						

Absolute Open Flow 1669 Mcfd @ 15.025		Angle of Slope @ 38.3938	Slope, n 0.7924
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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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