

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 6-4-81	
Company Amoco Production Company			Connection Northwest Pipeline		
Pool Gonzales			Formation Mesa Verde - Point Lookout		Unit
Completion Date 4-12-81		Total Depth 7500		Plug Back TD 7457	Elevation 6726
Csg. Size 7.000	Wt. 26	d 6.276	Set At 7500	Perforations: From 5190 To 5350	
Trq. Size 2.063	Wt. 3.25	d 1.751	Set At 5346	Perforations: From Orange To Peal	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 5528	
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F θ	
Baro. Press. - P _g		County Rio Arriba			
State New Mexico					
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

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.	
SI	40 Days						874		882	
1.	2.375	.750					154		552	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		166	1.000	.9608	1.017	2006
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 894 P _c ² 799236			
NO.	P _f	P _w	P _w ² P _c ² - P _w ²
1		564	318096 481140
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6611$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2935$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4632$$

Absolute Open Flow 2935	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Mod. Oil Flow

Approved by Commission:	Conducted By: JJB	Calculated By: J.J. Barnett	Checked By:
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