

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

Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 2-17-83	
Company Amoco Production Company				Connection Not dedicated	
Pool Gonzales				Formation Mesaverde	
Completion Date 1-3-83		Total Depth 5571		Plug Back TD 5525	
Elevation 6693 GL		Farm or Lease Name Jicarilla Contract 155			
Csg. Size 5.500	Wt. 23	d 4.670	Set At 5571	Perforations: From 5286 To 5476	
Well No. 30					
Tbg. Size 2.063	Wt. 3.25	d 1.751	Set At 5453	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 4130	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 54	
Baro. Press. - P _a 14.7		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	14 Days						848		X	
1.	2.375		.750				120		X	
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		132	1.000	.9258	1.012	1529
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	860	377	739600	142129	597471
2					
3					
4					
5					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2379$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1794$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1736$$

Absolute Open Flow	1794	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks:

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By
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