

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 2-15-73	
Company AMOCO PRODUCTION COMPANY				Connection --	
Pool Gonzales Mesa				Formation Mesaverde	
Completion Date 2-7-73		Total Depth 5230'		Plug Back TD 5194'	
Elevation KB 6507'		Farm or Lease Name Jicarilla Contract 155			
Csg. Size 5-1/2"	Wt. 14#	d 5.012	Set At 5230'	Perforations: From 4988' To 5128'	
Tbg. Size 2-1/16"	Wt. 3.2#	d 1.751	Set At 4908'	Perforations: From None To	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G.G.				Packer Set At 4908	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _a	
State New Mexico		County Rio Arriba			
L 4908	H 4908	Gg .65	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size	X	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					1150			
1.	2-Inch	.750				61	60°		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		73	1.000	.9608	1.010	876
2.							
3.							
4.							
5.							

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

P _c 1162	P _w 1,350,244	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0255$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0190$
NO.	P _c	P _w	P _c ² - P _w ²
1	183	33,578	1,316,666
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 893$

Absolute Open Flow	Mcf/d @ 15.025	Angle of Slope @	Slope, n
Remarks:			

Approved By: T. M. Oliver	Conducted By: J. A. Pope	Calculated By: J. Arnold Snell
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