

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 3-15-77			
Company AMOCO PRODUCTION COMPANY				Connection Gas Company of New Mexico					
Pool Tapacito				Formation Pictured Cliffs				Unit	
Completion Date 3-8-77		Total Depth 4100		Plug Back TD 4054		Elevation 7133 est.		Farm or Lease Name Jicarilla Apache 102	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4090	Perforations: From 3852 To 3888			Well No. 18		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 3912	Perforations: From Open To Ended			Unit F	Sec. 9	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None			County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .65	% 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	7 days						382		382	
1.	2.375		.750				130		294	45°
2.										
3.										
4.										
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	12.365		142	1.0147	.9608	1.014	1736
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 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

P _c 382	P _c ² 145,924			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.4530}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.1441}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		294	86,436	59,488	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{3722}$

077

Absolute Open Flow 3722 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: _____

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: Oliver/K.T.Nelson	Checked By: H. D. Montgomery
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