

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 10/27/77	
Company AMOCO PRODUCTION COMPANY				Connection			
Pool CHOSA MESA				Formation PICTURED CLIFFS		Unit	
Completion Date 10/20/77		Total Depth 4375		Plug Back TD 4333		Elevation 7333 GL	
Farm or Lease Name VALENCIA CANYON UNIT		Well No. 5					
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 4375	Perforations: From 4100 To 4316		Unit Sec. Twp. Rge. P 26 28 4	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4287	Perforations: From Open To Ended			
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		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						1011		1122	
1.	2.375		0.750				347		739	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	12.365		359	1.000	.9608	1.036	4419
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 1134	P _c ² 1285956	
NO.	P _t ²	P _w ²
1	751	564001
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.7812}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{7218}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.6335}$

Absolute Open Flow 7218 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		

Approved By Commission: _____	Conducted By: T. M. Oliver	Calculated By: TMO/MJT	Checked By: J. L. [Signature]
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