

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

Form O-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-23-78	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Choza Mesa				Formation Pictured Cliffs		Unit	
Completion Date 6-19-78		Total Depth 4350		Plug Back TD 4293		Elevation 7243	
Farm or Lease Name Valencia Canyon Unit		Well No. 19		Perforations: From 3953 To 4162		Csg. Size 4.500	
Unit P		Sec. 25		Twp. 28		Rge. 4	
Thq. Size 2.375		Wt. 4.7		Set At 4157		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	
Baro. Press. - P _a		Prover		Meter Run		Taps	
L		H		Gg		% CO ₂	
				.65			

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.	
1.	7 days						945		972	
2.	2.375	0.750					375	60	600	3 hrs.
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		387	1.000	.9608	1.039	4777
2.							
3.							
4.							
5.							

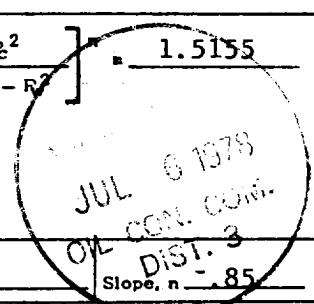
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.				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

P _c 984 P _c ² 968256				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		612	374544	593712
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6309$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7239$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5155$$



Absolute Open Flow 7239 Mcfd @ 15.025		Angle of Slope @
Remarks:		

Approved By Commission:	Conducted By:	Calculated By: T. M. Oliver	Checked By: <i>[Signature]</i>
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