

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

Form 7-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/16/78	
Company Amoco Production Company				Connection	
Pool Chozza Mesa				Formation Pictured Cliffs	
Completion Date 3/9/78		Total Depth 4425		Plug Back TD 4367	
				Elevation 7313	
Farm or Lease Name Valencia Canyon Unit					
Crg. Size 4.500	Wt. 10.5	d 4.052	Set At 4425	Perforations: From 4028 To 4248	
Tbg. Size 2.375	Wt. 4.6	d 1.995	Set At 4312	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F	
				Baro. Press. - P _a	
County Rio Arriba					
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.	Temp. °F	
SI	7 days						527		1060		
1.	2.375		0.750				150	60	500		3 hrs.
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		162	1.000	.9608	1.015	1953
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 1072	P _c ² 1149184	
NO.	P _t ²	P _t ² - P _c ²
1	512	262144
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_t^2 - P_c^2} = 1.2955$$

$$ACF = Q \left[\frac{P_c^2}{P_t^2 - P_c^2} \right]^n = 2434$$

$$(2) \left[\frac{P_c^2}{P_t^2 - P_c^2} \right]^n = 1.2462$$

Absolute Open Flow 2434	Mcf @ 15.025	Angle of Slope θ	Slope, n .86
Remarks:			

Approved by Commission	Conducted by T. M. Oliver	Calculated by TMO/MJF	Checked by J. L. Krupka
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