

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 6/16/78	
Company Amoco Production Company				Connection			
Pool Choza Mesa				Formation Pictured Cliffs		Unit	
Completion Date 6/9/78		Total Depth 4302		Plug Back TD 4248		Elevation 7174	
Farm or Lease Name Valencia Canyon Unit							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At	Perforations: From 3918 To 4167		Well No. 22	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4180	Perforations: From Open To Ended		Unit Sec. Twp. Rye. G 23 28 4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico	
L	H	G _g .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	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					745		1064		
1.	2.375	0.750				30	60	775		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		42	1.000	.9608	1.010	504
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 1076	P _c ² 1157776		
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1		787	619369 538407
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.1504$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 966$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9171$$

Absolute Open Flow _____ 966 _____ Mcfd @ 15.025	Angle of Slope @ _____ 85 _____
Remarks: _____	

Approved By Commission: _____	Conducted By: _____	Calculated By: T. M. Oliver	Checked By: J. L. Kruppa
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