

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 5-5-77	
Company AMOCO PRODUCTION COMPANY				Connection None		
Pool Choza Mesa				Formation Pictured Cliffs		Unit
Completion Date 4-28-77		Total Depth 4513		Plug Back TD 4477		Elevation 7396 KB
Farm or Lease Name Valencia Canyon Unit						
Csg. Size 4.5	Wt. 10.5	d 4.052	Set At 4513	Perforations: From 4124 To 4334		Well No. 4
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4285	Perforations: From Open To Ended		Unit N Sec. 25 Twp. 28 Rge. 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba
Producing Thru Tbg.		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days						1087		1084		
1.	2.375"		.750				355	60°	880		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		367	1.000	.9608	1.038	4526
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		892	795,664	412,317
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.9293}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{11,284}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.4932}$

Absolute Open Flow 11,284 Mcfd @ 15.025	Angle of Slope ϕ	Slope, n .85
Remarks:		

Approved By Commission:	Conducted By: O. N. Thurston	Calculated By: B. J. Wheeler	Checked By: H. D. Montgomery
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