

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 11-5-75	
Company AMOCO PRODUCTION CO.				Connection None		
Pool Choza Mesa				Formation Pictured Cliffs		Unit
Completion Date 10-29-75		Total Depth 4347		Plug Back TD 4307		Elevation 7235
Farm or Lease Name Valencia Canyon Unit						
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 4347	Perforations: From 4058 To 4252		Well No. 2
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4193	Perforations: From Open To Ended		Unit Sec. Twp. Rge. A 27 28 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 3972		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F 112° @ 4348		Mean Annual Temp. °F Est. 60°		State New Mexico
L 3972	H 3972	Gg .65	% CO ₂	% N ₂	% H ₂ S	Prover
						Meter Run
						Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Line Size	X	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		Choke				931				
1.	2-inch		0.750				32	60° Est.			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		44	1.000	.9608	1.011	528
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 993	P _c ² 986,049		
NO.	P _t ²	P _w	P _w ²
1		80	6400
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0065}{1.0056} = 1.0056$$

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

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DIST. 3

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

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: D. B. Lindley	Checked By: H. D. Montgomery
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