

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 8-31-73	
Company AMOCO PRODUCTION COMPANY				Connection Southern Union Gas Co.		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date 2-23-73		Total Depth 7658		Plug Back TD 7652		Elevation 6534 GL
Csg. Size Wt. d Set At Perforations: 4-1/2" 10.5 4.052 7658 From 7606 To 7544						Well No. 3
Tbg. Size Wt. d Set At Perforations: 2-3/8" 4.7 1.995 7565 From Open To Ended						Unit Sec. Twp. Rge. B 4 26N 3W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 160° TD		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 PSIA (est.)
County Rio Arriba						State New Mexico
L 7565	H 7565	G _g 0.65	% 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 Choke	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	8 Days						2496		2610		
1.	2-Inch		.750				38		56		3 Hr.
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		50	1.0	.9608	1.010	600
2.							
3.							
4.							
5.							

NO.	P _f	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	XXXXXXXXXX
3.					Specific Gravity Flowing Liquid	XXXXXXXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ R	_____ R

P _c 2622	P _c ² 6,874,884	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.00067$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00049$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	68		
2.			
3.			
4.			
5.			

Absolute Open Flow 600 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: _____			

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: G. O. Munson	Checked By: <i>J. Arnold Snell/jac</i> J. Arnold Snell/jac
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