

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2-12-85	
Company Amoco Production Co.		Connection NWPL	
Pool Basin		Formation Dakota	
Completion Date 12-6-84		Total Depth 8299	Plug Back TD 8200
Elevation 6474 GR		Farm or Lease Name Rosa Unit	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8299
Perforations: From 7936 To 8040		Well No. 117	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 8019
Perforations: From open To ended		Unit Sec. Twp. Rge. D 33 32 6	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple commingle		Packer Set At 7494	County Rio Arriba
Producing Thru tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _g
State New Mexico			
L	H	G _g	% 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	64 days						2851		X		
1.	2.375	.750					133		X		3hrs
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		145	1.000	.9258	1.016	1684
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lbl.
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 2863 P _c ² 8196769	
NO.	P _t ² P _w P _w ² P _c ² - P _w ²
1	324 104976 8091793
2.	
3.	
4.	
5.	

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0130$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1700$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0097$

Absolute Open Flow 1700	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: lite spray h2o
delay due to muddy roads

Approved By Division	Conducted By: B&R Services	Calculated By: JJ Barnett	Checked By: B
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