

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 5-16-86			
Company Amoco Production Co.				Connection Northwest Pipeline					
Pool Basin				Formation Dakota				Unit	
Completion Date 4-9-85		Total Depth 8680		Plug Back TD 8630		Elevation 6797 GR		Farm or Lease Name Rosa Unit	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8680	Perforations: From 8372 To 8528		Well No. 111			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 8630	Perforations: From Open To ended		Unit N	Sec. 21	Twp. 31	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingled (Dual)						Packer Set At 7815		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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	23 days						2625		X		
1.	2.375		.750								
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365						
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

NO.	P _r ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

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

SEP 03 1986

OIL CON. DIV.

DIST. 3

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____ .75
Remarks: <u>Unable to potential</u>			

Approved By Division	Conducted By: J.J. Barnett	Calculated By: J.J. Barnett	Checked By:
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