

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL.

Form C-122
Revised 9-1-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 10/4/84	
Company Amoco Production Co.			Connection Northwest Pipeline		
Pool Undesignated			Formation Gallup		
Completion Date 8/22/84		Total Depth 8166		Plug Back TD 8140	
Elevation 6415 GL		Farm or Lease Name Rosa Unit			
Crg. Size 4.500	Wt. 11.6	d 4.000	Set At 8166	Perforations: From 7190 To 7358	
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 7367	Perforations: From sliding To sleeve	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single-Commingle				Packer Set At 7403	
Producing Thru Tubing		Reservoir Temp. °F 8		Baro. Press. - P _a	
County Rio Arriba		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	35 days						2845		2845		
1.	2.375		.500				260		525		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	5.4315		272	1.000	.9258	1.032	1412
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 _____ 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 2857	P _c ² 8162449		
NO.	P _f ²	P _w ²	P _w ² - P _f ²
1		537	288369
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0366$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0273$

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1451$

Absolute Open Flow	1451	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Was not flared, med. spray H₂O

Approved by Commission:	Conducted by: J. Barnett	Calculated by: J. Barnett	Checked by:
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