

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

Form C-127
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 3-31-82	
Company Amoco Production Company		Production Northwest Pipeline Corporation	
Pool Wildcat		Formation Gallup	
Completion Date 2-23-82		Total Depth 8775	Plug Back TD 8729
		Elevation 6925 GL	
Form or Lease Name Rosa Unit		Well No. 86	
Comp. Size 5.500	Int. 17	Set At 4.892	Set At 8775
Perforations: From 7509 To 7826			
Tub. Size 1.660	Int. 2.33	Set At 1.380	Set At 7843
Perforations: From Gas To Anchor			
Type Well - Single - Broadhead - G.C. or G.O. Multiple Dual		Packer Set At 7930	
Producing Thru tubing		Baro. Press. - P _a	
County Rio Arriba		State New Mexico	
L	H	G _g	% CO ₂
		% N ₂	% H ₂ S
Proper		Meter Run	
Temp			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. psia	Diff. In. H ₂ O	Temp. °F	Press. psia	Temp. °F	Press. psia	
51	31 Days						2808		3125	
1.	2.375		.750				120		1190	
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 _{sp}	Rate of Flow Q, Mcf/d
1	12.365		132	1.000	.9258	1.015	1534
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P _{cr} , P.S.I.A.	Critical Temperature T _{cr} , °R
1.										
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _c ²	P _w 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	3137	1202	9840769	1444804	8395965	1.1721	1.1265
2							
3							
4							
5							

Absolute Open Flow		1728	Mcf/d @ 15.025	Angle of Slope	Slope, n	.75
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Remarks: Gas Anchor at 7835 Flowed dry

Approved By Commission	Conducted By	Calculated By	Checked By
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