

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

Form C-122
 Revised 9-18-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4/28/79							
Company Amoco Production Company			Connection Northwest Pipeline Corporation								
Pool Basin			Formation Dakota								
Completion Date 4/18/79		Total Depth 7321		Plug Back TD 7276							
Elevation 6687		Farm or Lease Name Jicarilla Apache 35									
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7321	Perforations: From 7111 To 7174							
Trg. Size 2.375	Wt. 4.7	d 1.995	Set At 7175	Perforations: From Open To Ended							
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single				Packer Set At None							
Producing Thru Tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F θ							
Baro. Press. - P _a θ		State New Mexico									
L	H	G _g	% CO ₂	% N ₂	% H ₂ S						
		.70									
FLOW DATA											
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	Duration of Flow
SI	10 Days						1330		1990		
1.	2.375		.750				215	60	651		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd				
1	12.365		227	1.000	.9258	1.027	2669				
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						
$P_c = 2002$ $P_c^2 = 4008004$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1232$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0910$						
NO.	P _f	P _w	P _w ²	P _c ² - P _w ²							
1		663	439569	3568435							
2											
3											
4											
5											
$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2912$											
Absolute Open Flow _____ 2912					Mcf @ 15.025		Angle of Slope θ _____				
Remarks: Made heavy condensate											
Approved By Commission		Conducted By R. A. Conner		Calculated By R. A. Conner		Checked By B. E. Fackrell					