

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special Test Date 1-30-81					
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 11-13-81		Total Depth 8407		Plug Back TD 8385	
Elevation 7170		Farm or Lease Name Jicarilla Apache 102			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8407	Perforations: From 8150 To 8354	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8341	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none	
Producing Thru tubing L		Reservoir Temp. °F 8		Mean Annual Temp. °F 8	
Baro. Press. - P _a 8		County Rio Arriba			
State New Mexico					
Meter Run 8		Taps 8		Prover 8	
% CO ₂ 8		% N ₂ 8		% H ₂ S 8	

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	78 days						1580		1880		
1.	2.375		.750				236		675		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, F _{sc}	Rate of Flow Mcf/bbl.
1	12.365		248	1.000	.9258	1.029	292
2.							
3.							
4.							
5.							

RECEIVED

FEB 12 1981

OIL CON. COM.

DIST. 3

NO.	F _t	Temp. °R	T _t	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.
5.					Critical Temperature	R

P _c 1892 P _c ² 3579664				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1519$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1119$
NO.	P _w	P _w ²	P _c ² - P _w ²		
1	687	471969	3107695		
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3248$

Absolute Open Flow 3248	Mvd @ 15.025	Angle of Slope θ	Slope, n .75
--------------------------------	--------------	-------------------------	---------------------

Remarks: **heavy oil light H₂O**
later completion on upper zone

Approved By Commission:	Conducted By: JJB	Calculated By: J. J. BARNETT	Checked By:
-------------------------	--------------------------	-------------------------------------	-------------