

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 12-28-82	
Company Amoco Production Company			Connection El Paso Natural Gas Company			
Pool Otero			Formation Chacara			
Completion Date 12-6-82		Total Depth 4100		Plug Back TD 4057		
				Elevation 6861 GL		
Farm or Lease Name Jicarilla Contract 148						
Csg. Size 4.500		Int. 10.5		Well No. 19		
d 4.052		Set At 4100		Perforations: From 3994 To 4023		
Tng. Size 2.375		Int. 4.7		Perforations: From open To ended		
d 1.995		Set At 4011				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		
Producing Thru Tubing				County Rio Arriba		
Reservoir Temp. °F θ		Mean Annual Temp. °F		State New Mexico		
L		H		Prover		
Cg		% CO ₂		% N ₂		
				% H ₂ S		
				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	11 Days						685		687		
1.	2.375		.750				64		312		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		76	1.000	.9608	1.006	908
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	Specific Gravity Separator Gas _____ X X X X X X X X X	Specific Gravity Flowing Fluid _____ X X X X X	Critical Pressure _____ P.S.I.A.	Critical Temperature _____ R
1.										
2.										
3.										
4.										
5.										

NO.	P _t	P _w	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	697	324	104976	380833	1.2756	1.2003
2						
3						
4						
5						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____ .75	
Remarks: _____							
Checked By: _____							