

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form O-127
Revised 12-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☒ Special		Test Date 1-16-86	
Company Amoco Production Co.		Connection El Paso Natural Gas Company	
Pool Otero		Formation Chacara	
Completion Date 3-11-85	Total Depth 3109'	Plug Back TD 3068'	Elevation 5490' CL
From or Lease Name Sanchez Gas Com "D"		Well No. 1	
Cng. Size 4.500	wt. 10.5	d 4.052	Set At 3109'
Perforations: From 2798' To 2906'		Well No.	
Trg. Size 2.375	wt. 4.7	d 1.995	Set At 2942'
Perforations: From open To ended		Unit Sec. Twp. Rge. A 28 29 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F #	
Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico		County San Juan	
L	H	G _g	% CO ₂
		% N ₂	% H ₂ S
Prover		Meter Run	
Type		Temp	

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	302						1024		1039		
1.	2.375		.750				248		403		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 _{sp}	Rate of Flow Q, Mscf/d
1	12.365		260	1.000	.9258	1.031	3089
2.							
3.							
4.							
5.							

NO.	P _g	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon	Met/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbon	
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Gas	
4.					Critical Pressure	
5.					Critical Temperature	

RECEIVED
 JAN 30 1986
 OIL CON. DIV.
 DIST. 3

NO.	P ₁	P ₂	P ₂ ²	P ₁ ² - P ₂ ²	(1) $\frac{P_c^2}{P_1^2 - P_2^2} =$	(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n =$
1		415	172225	932376	1.1847	1.1356
2.						
3.						
4.						
5.						

NO.	P ₁	P ₂	P ₂ ²	P ₁ ² - P ₂ ²	ADP = $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n =$
1					3.185
2.					
3.					
4.					
5.					

Absolute Open Flow	15.025	Angle of Slope ft	Slope, n
Remarks: Not Flared, due to position of tank battery. Very dry gas after 3 hours, No condensate.			

Estimated By	Checked By
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