

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 1-29-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 11-10-80		Total Depth 7975		Plug Back TD 7935		Elevation 6839	
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 7975	
Perforations: From 7710		To 7902		Well No. 11E			
Trq. Size 2.375		Wt. 4.7		d 1.995		Set At 7914	
Perforations: From open		To ended		Unit M		Sec. 10	
Twp. 26N		Rge. 4W		County Rio Arriba			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At none		State New Mexico	
Producing Thru tubing		Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	Gg	% CO ₂	% H ₂	% H ₂ S	Prover	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	7 days plus ?						1155		1422		
1.	2.375	.750					20		231		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, Mcfd
1	12.365		32	1.000	.9258	1.004	1.004
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Rate of Flow
1.											
2.											
3.											
4.											
5.											

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1		243	59049	1997307	1.0296	1.0221
2						
3						
4						
5						

Absolute Open Flow <u>376</u> Mcfd @ 15.025 Angle of Slope θ Slope, n <u>.75</u>			
Remarks: <u>med spray H₂O</u> <u>later completion on upper zone</u>			
Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: