

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 11-09-80		Total Depth 7931		Plug Back TD 7885		Elevation 6801	
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 7931	
Perforations: From 7704		To 7848		Well No. 13E			
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 7859	
Perforations: From open		To ended		Unit I		Sec. Twp. Rge. 10 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At none	
Producing Thru tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		County Rio Arriba	
Baro. Press. - P _a		State New Mexico					
L	H	Gg	% CO ₂	% N 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.	
SI	40 days						2062		2072	
1.	2.375		.750				350		882	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		362	1.000	.9258	1.044	4326
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _r 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	2084	894	4343056	3543820	1.2255	1.1648
2						
3						
4						
5						

Absolute Open Flow 5039 Mcfd @ 15.025 Angle of Slope θ Slope, n .75			
Remarks: light spray H ₂ O Later completion on upper zone			
Approved By Commission	Conducted By JJB	Calculated By J J BARNETT	Checked By