

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 12-30-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 12-09-81		Total Depth 6141		Plug Back TD 6140		Elevation 5578	
Farm or Lease Name Gallegos Canyon Unit							
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 6149	
Perforations: From 5950		To 6078		Well No. 226E			
Thq. Size 2.375		Wt. 4.7		d 1.995		Set At 6071	
Perforations: From open		To ended		Unit Sec. Twp. Rge. C 18 28N 12W			
Type Well - Single - Header head - G.C. or G.O. Multiple Single						Packor Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 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	10 Days						764		817	
1.	2.375		.750				37		322	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		49	1.000	.9258	1.006	564
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	829	334	111556	575685
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1938$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1421$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 644$

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____

Specific Gravity Flowing Liquid _____

Critical Pressure _____ P.S.I.A.

Critical Temperature _____ R

Absolute Open Flow 644 Mcfd @ 15.025	Angle of Slope @ _____ Slope, n. 75
Remarks:	
Approved by Commission:	
Conducted By: J. J. Barnett	Calculated By: J. J. Barnett
Checked By:	