

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 2-2-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 10-20-81		Total Depth 6977		Elevation 5924 GL	
Csg. Size 4.500		Wt. 10.5		Perforations: From 6822 To 6890	
Tbg. Size 2.375		Wt. 4.7		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F P		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	82 Days						1740		1775	
1.	2.375		.750				125		524	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		137	1.000	.9258	1.016	1593
2.							
3.							
4.							
5.							

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

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²
1		536	287296	2906073
2				
3				
4				
5				

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.0987$

(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.0733$

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1710$

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

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

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

Critical Pressure _____ P.S.I.A.

Critical Temp. _____ R

Absolute Open Flow	1710	Mcf/d @ 15.025	Angle of Slope	75
--------------------	------	----------------	----------------	----

Remarks:

Approved by Commission	Conducted by J. J. Barnett	Calculated by J. J. Barnett	Checked by
------------------------	-------------------------------	--------------------------------	------------