

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 2-11-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 1-16-82		Total Depth 6070		Plug Back TD 6048		Elevation 5473	
Csg. Size 4.500		ID 4.052		Set At 6070		Perforations: From 5876 To 6010	
Trq. Size 2.375		ID 1.995		Set At 6019		Perforations: From open To ended	
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		Baro. Press. - P _a	
L		H		Gg		% CO ₂	
H		Gg		% N ₂		% H ₂ S	
Prover		Meter Run		Taps		County San Juan	
State New Mexico							

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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	
1	14 Days					695		824		3 hrs
1.	2.375	.750				65		407		
2.										
3.										
4.										

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		77	1.000	.9258	1.009	889
2.							
3.							
4.							
5.							

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

NO.	P _f	P _w	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3355$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2423$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1104$
1		419	175561	523335	
2					
3					
4					

Absolute Open Flow _____ 1104 _____ 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: