

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 12-15-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 11-13-81		Total Depth 6618		Plug Back TD 6523	
				Elevation 6132 GL	
Csg. Size 7.000		Wt. 26		Perforations: From 6346 To 6517	
Thg. Size 2.375		Wt. 4.7		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 6014	
Producing Thru Tubing		Reservoir Temp. °F θ		Baro. Press. - P _a	
L		H		G _g	
				% 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.		Temp. °F
1.	14 Days						887		X		
1.	2.375	.750					287		X		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		299	1.000	.9258	1.035	3543
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 _____ 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

P _c 899	P _c ² 808201	
NO.	P _w	P _w ²
1	633	400689
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9833$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6712$	
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5921$			

Absolute Open Flow 5921		Mcf @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____				
Approved by Commission _____				
Conducted By J. J. Barnett		Calculated By J. J. Barnett		Checked By