

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 1-31-81			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 10-17-80		Total Depth 8150		Plug Back TD 8118		Elevation 6967		Farm or Lease Name Jicarilla Apache 102	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8150	Perforations: From 7882 To 8070		Well No. 9E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8059	Perforations: From open To ended		Unit Sec. Twp. Rye. P 4 26N 4W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At none		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F p		Mean Annual Temp. °F		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.		Temp. °F
SI	60 days						2000		2232		
1.	2.375		.750				174		626		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		186	1.000	.9258	1.021	2174
2.							
3.							
4.							
5.							

NO.	P _t	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

P _c 2244	P _c ² 5035536	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0879$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0653$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	638	407044	4628492
2			
3			
4			
5			

$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2316$

$AOI = 2316$

Absolute Open Flow	2316	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: light spray H₂O
 later completion on upper zone

Approved By Commission	Conducted By JJB	Calculated By J J BARNETT	Checked By
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