

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 1-30-81				
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 11-19-80		Total Depth 8306		Plug Back TD 8250		Elevation 7163		Farm or Lease Name Jicarilla Apache 102	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8306	Perforations: From 8022 To 8225		Well No. 12E			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8221	Perforations: From open To ended		Unit Sec. Twp. Rge. 0 9 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 θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
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	
SI	54 days						1080		1550		
1.	2.375		.750				98		587		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		110	1.000	.9258	1.012	1274
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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 1562 P _c ² 2439844				
NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1724$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1267$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1435$
1	599	358801	2081043	
2				
3				
4				
5				

Absolute Open Flow 1435		Mcf/d @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: med. spray H ₂ O & Oil later completion upper zone							
Approved by Commission:		Conducted by: JJJ		Calculated by: J J BARNETT		Checked by:	