

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 12-16-80			
Company Amoco Production Co.				Connection El Paso Natural Gas Company			
Pool Basin				Formation Dakota		Unit	
Completion Date 12-01-80		Total Depth 6896		Plug Back TD 6851		Elevation 6373	
Farm or Lease Name Martin Gas Com "E"				Well No. 1E			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6896	Perforations: From 6613 To 6786		Well No.	
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 6722	Perforations: From open To ended		Unit Sec. Twp. Rge. C 15 27N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. *F θ		Mean Annual Temp. *F		Baro. Press. - P _a 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	4 days						1430		1430		3 hrs
1.	2.375		.750				82		716		
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		94	1.000	.9258	1.010	1087
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.3421$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.2469$
1		728	529984	1549380		
2						
3						
4						
5						

Absolute Open Flow 1355 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: Heavy oil flow & light H ₂ O							
Approved By: _____		Conducted By: JJB		Calculated By: J. J. Barnett		Checked By: CLB	