

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-7-65

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 12-23-81			
Company Amoco Production Company				Connection El Paso Natural Gas Company				
Pool Basin				Formation Dakota				Unit
Completion Date 11-16-81		Total Depth 6591		Plug Back TD 6545		Elevation 6043 GL		Form or Lease Name Martin Gas Com "C"
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 6591	Perforations: From 6326 To 6494		Well No. 1E		
Thq. Size 2.063	Wt. 3.25	d 1.751	Set At 6499	Perforations: From open To ended		Unit 0	Sec. 11	Twp. 27N
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual				Packer Set At 3150		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F θ		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	14 Days						1045		X		
1.	2.375		.750				165		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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		177	1.000	.9258	1.021	2069
2.							
3.							
4.							
5.							

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

P_c 1057 P_c² 1117249

NO.	P _w	P _w ²	P _c ² - P _w ²
1	455	207025	910224
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2274$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1661$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2413$

Absolute Open Flow	2413	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