

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 09 02 80	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 08 07 80		Total Depth 6952		Plug Back TD 6914		Elevation 6393 GL
Csg. Size 4.500		Wt. 10.5		Set At 6950		Perforations: From 6677 To 6800
Thg. Size 2.375		Wt. 4.7		Set At 6800		Perforations: From open To ended
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		Well No. 1E
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a
L		H		G _g		% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps
FARM OR LEASE NAME MARTIN GAS COM G				COUNTY SAN JUAN		
STATE NEW MEXICO						

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	11 days						1215		1312		3 hrs
1.	2.375	.750					32		285		
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		44	1.000	.9250	1.005	506
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1										
2.										
3.										
4.										
5.										

P _c 1324	P _c ² 1752976	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0530}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0395}$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	297	88209	1664767
2.			
3.			
4.			
5.			

Absolute Open Flow 526 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks:			
Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: WL PETERSON