

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 3-26-79	
Company AMOCO PRODUCTION COMPANY				Connection EL PASO NATURAL GAS COMPANY	
Pool FOWLER				Formation PADDOCK	
Completion Date 2-17-79		Total Depth 6100.		Plug Back TD 5026.	
Elevation 3259.		Form or Lease Name SOUTH MATTIX UNIT			
Csg. Size 5.500	Wt. 14.0	d 5.012	Set At 6100	Perforations: From 4857. To 4939.	
Well No. 33					
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 4774.	Perforations: From 0 To 0	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 4581.	
Producing thru TUBING		Reservoir Temp. °F 17. @ 4898.		Mean Annual Temp. °F 60.0	
Baro. Press. - P _a 13.2		State NEW MEXICO			
L 4898.	H 4898.	G _g 0.706	% CO ₂ 0.02	% N ₂ 1.94	% H ₂ S 2.45
Prover 0.		Meter Run 4.0		Taps FLANGE	

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							1079.	65.			24.0
1.	4.03 x 2.000			18	2.0	60.	1060.	65.	0.	0.	0.7
2.	4.03 x 2.000			18	4.0	48	1038.	67.	0.	0.	1.0
3.	4.03 x 2.000			20.	11.5	32.	990.	67.	0.	0.	1.0
4.	4.03 x 2.000			21.	25.0	22.	905.	68.	0.	0.	1.0
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcf/d
1	19.81	7.90	31.2	1.0000	1.1901	1.0035	187.
2	19.81	11.17	31.2	1.0117	1.1901	1.0038	268.
3	19.81	19.54	33.2	1.0281	1.1901	1.0044	476.
4	19.81	29.24	34.2	1.0387	1.1901	1.0049	720.
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.	0.05	520.	1.33	0.993	0.	0.	0.706	X X X X X	679.	390
2.	0.05	508.	1.30	0.993						
3.	0.05	492.	1.26	0.991						
4.	0.05	482.	1.24	0.990						
5.										

P _r 1091.1 P _r ² 1190			
NO.	P _r ²	P _w	P _w ²
1	1152.	1072.	1150.
2	1105.	1050.	1102.
3	1006.	1003.	1006.
4	843.	921.	848.
5			

Absolute Open Flow 1582.		Mcf @ 15.025		Angle of Slope θ 57.7		Slope, n 0.633	
Remarks:							
Approved By Commission:		Conducted By: John West Engrg.		Calculated By: C.C. Weaver		Checked By: W.D. MAGNESS	

UDM

MAY 18 1979
OIL CONSERVATION
BUREAU