

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

Form C-122
Revised 7-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-28-76					
Company AMOCO PRODUCTION COMPANY					Connection El Paso Natural Gas Co.					
Pool Blanco					Formation Mesaverde					
Completion Date 12-19-76			Total Depth 5400		Plug Back TD 5364		Elevation 6073 GL		Farm or Lease Name McEwen Gas Com	
Csg. Size 7.000	Wt. 23	d 6.366	Set At 3250	Perforations: From 4357 To 5221				Well No. 1-A		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5235	Perforations: From Open To Ended				Unit Sec. Twp. Rge. D 5 31 10		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None					County San Juan
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a 12 psia		State New Mexico		
L	H	Gg .65	% 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.	
SI	9 days						687		745	
1.	2.375"	0.750					240	60°	580	
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		252	1.000	.9608	1.025	3069
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 Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 757	P _c ² 573,049					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.5745}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.0325}$
1		592	350,464	222,585		
2						
3						
4						
5						

Absolute Open Flow 6238 Mcfd @ 15.025				Angle of Slope θ .75
Remarks: 4.500" 10.5# Liner set 3050'-5400'				

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: Oliver/Cordill	Checked By: P. C. Ellison
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