

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 12/27/77	
Company Amoco Production Company				Connection EL PASO NATURAL GAS COMPANY			
Fool Blanco				Formation Mesaverde		Unit	
Completion Date 12/27/77		Total Depth 4630		Plug Back TD 4585		Elevation 5641	
Farm or Lease Name Heath Gas Com E							
Csg. Size 7.00	Wt. 20	d 6.456	Set At 2573	Perforations: From 3719 To 4512		Well No. 1A	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4523	Perforations: From Open To Ended		Unit Sec. Twp. Rge. J 8 29 9	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12		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	10 days						589		611	
1.	2.375		0.750				140		540	
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		152	1.000	.9608	1.014	1831
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ 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.	623	388129			Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{4.6524}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{3.1678}$
1	552	304704	83425		$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{5800}$	
2.						
3.						
4.						
5.						

Absolute Open Flow 5800 Mcfd @ 15.025		Angle of Slope θ _____	Slope, h 75
Remarks: 4.5" 11.6# Liner set 2357' - 4630'			

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/WRB	Checked By: J. L. Krupka
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