

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 12/20/77			
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 12/20/77		Total Depth 4650		Plug Back TD 4616		Elevation 5670 KB		Farm or Lease Name Heath Gas Com "D"	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2579	Perforations: From 3725 To 4526				Well No. 1A	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4510	Perforations: From Open To Ended				Unit Sec. Twp. Rge. F 8 27 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		Baro. Press. - P _a		State New Mexico	
L	H	G _g .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	7 days						644		655	
1.	2.375	0.750					160		610	60°
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		172	1.000	.9608	1.016	2076
2							
3							
4							
5							

NO.	F _t	Temp. °R	T _f	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 667 P_c² 444889

NO.	P _w	P _w ²	P _c ² - P _w ²
1	622	386884	58005
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.6698$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.6088$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9568$

Absolute Open Flow	9568	Mcf/d @ 15.025	Angle of Slope @	Slope, p. .75
Remarks: 4.5" 11.6# liner set @ 2320-4650'				

Original Signed by			
Approved by Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/T.R. McCarthy	Checked By: J.L. KRUPKA