

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 4-31-77	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Company		
Pool Blanco Mesaverde				Formation Mesaverde		Unit
Completion Date 4-31-77		Total Depth 4840		Plug Back TD 4803		Elevation 5770 GL
Farm or Lease Name State Gas Com "A"		Well No. 1-A				
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2650	Perforations: From 3894 To 4666		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4666	Perforations: From Open To Ended		
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 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	7 days						680		687	
1.	2.375"		.750				120		375	3 Hrs.
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		132	1.000	.9608	1.025	1607
2.							
3.							
4.							
5.							

NO.	P _r	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.					Critical Temperature _____ R _____ R

P _c 699	P _c ² 488,601	
NO.	P _t ²	P _w ²
1	387	149,769
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4420$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2115$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{1.875} = 3159$

Absolute Open Flow 2115 Mcfd @ 15.025	Angle of Slope θ .75
--	------------------------------------

Remarks: **4.500" liner set 2453-4840'**

Approved By Commission:	Conducted By: O. N. Thurston	Calculated By: Thurston/K.T. Nelson	Checked By: H. B. Montgomery
-------------------------	--	---	--