

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 10-27-81	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool South Blanco				Formation Pictured Cliff	
Completion Date 9-22-81		Total Depth 4150		Plug Back TD 4105	
Elevation 6830		Farm or Lease Name Jicarilla Contract 148			
Csg. Size 5.50	Wt. 17	d. 4.892	Set At 4150	Perforations: From 3072 To 3090	
Thg. Size 1 1/4	Wt. 2.4	d. 1.660	Set At 3112	Perforations: From orange peel To perf sub	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 3265	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 50	
Baro. Press. - P _a 14.7		County Rio Arriba			
State New Mexico		Unit B 23 25N 5W			
L	H	G _g	% 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.	
1	7 Days						695		695	
2	1.375		.750				87		392	
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		99	1.000	.9608	1.009	1187
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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ °R

P _c 707	P _c ² 499849	
NO.	P _r	P _w
1		404
2		163216
3		336633
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4848$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3994$

AOIF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1661$

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OIL CON. COM.
DIST. 3

Absolute Open Flow	1661	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
Remarks:				

Approved By Commission:	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By:
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