

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 10-13-83			
Company Amoco Production Company				Connection Not Dedicated					
Pool Congales <i>Blanco</i>				Formation Mesaverde				Unit	
Completion Date 9-8-83		Total Depth 7417'		Plug Back TD 7360'		Elevation 6704GL		Farm or Lease Name Jicarilla Contract 146	
Csg. Size 7.000	Wt. 32	d 6.094	Set At 7417	Perforations: From 5146 To 5354		Well No. 13E			
Thg. Size 2.063	Wt. 3.25	d 1.751	Set At 5357	Perforations: From Perf. Prod. To Tube		Unit B	Sec. 9	Twp. 25	Rge. 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 5410		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. -- P _a		State New Mexico	
L	H	Gg	% 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.		Temp. °F
SI	7 days						570		969		
1.	2.375		.750				58		350		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		70	1.000	.9258	1.008	808
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 _____ XXXXXX	
3.					Specific Gravity Flowing Fluid _____ XXXXX	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 981	P _c ² 962361		
NO.	P _r	P _w	P _r ² - P _w ²
1		362	131044
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1576$$

$$AOIF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 902$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1160$$

Absolute Open Flow _____ 902 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .75 _____
Remarks: _____		
Approved By: _____	Conducted By: _____	Calculated By: _____
	J.J. Barnett	J.J. Barnett