

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 8-12-83		RECEIVED			
Company AMOCO PRODUCTION COMPANY				Connection Not dedicated		AUG 29 1983					
Pool Basin				Formation Dakota		Unit CON. DIV.					
Completion Date 7-19-83		Total Depth 7952		Plug Back TD 7943		Elevation 6936 GL		Form or Lease Name Jicarilla Apache			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7952	Perforations: From 7716 To 7940		Well No. 6E					
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7911	Perforations: From open To ended		Unit 0	Soc. 9	Twp. 26	Rge. 5		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba					
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
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.	Temp. °F	
SI	9 Days						1740		2215		
1.	2.375		.750				44		305		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		56	1.000	.9258	1.006	645
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 _____	XXXXXXX
3.					Specific Gravity Flowing Fluid _____	XXXXX
4.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
5.					Critical Temperature _____ R	R

P _c 2227 P _c ² 4959529				
NO.	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0422$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0315$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 665$
1	317	100489	4758551	
2				
3				
4				

Absolute Open Flow	665	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

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