

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

Form C-122
 Revised 9-1-65

OCT 21 1983

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 10-14-83		OIL CON. DIV. DIST. 3	
Company Amoco Production Company				Connection Gas Co. of New Mexico			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 09-19-83		Total Depth 6069'		Plug Back TD 6030'		Elevation 6984GL	
Farm or Lease Name Jicarilla Apache 102							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6089	Perforations: From 5460 To 6088		Well No. 8A	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5986	Perforations: From Open To Ended		Unit Sec. Twp. Rge. A 3 26 4	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F ø		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	19 days						1112		1116		
1.	2.375		.750				164		678		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		176	1.000	.9258	1.020	2055
2.							
3.							
4.							
5.							

NO.	P _f	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 1128 P _c ² 1272384				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5979$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4212$	
NO.	P _w	P _w ²	P _c ² - P _w ²				
1	690	476100	796284				
2							
3							
4							
5							

$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2921$			
Absolute Open Flow 2921		Mcf @ 15.025	
Angle of Slope ø		Slope, n = .75	

Remarks: Flared, lite H2O, very lite oil

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