

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 4/15/81			
Company Amoco Production Company				Connection Not dedicated					
Pool Gavilan				Formation Pictured Cliffs				Unit	
Completion Date 1/12/81		Total Depth 6312		Plug Back TD 6268		Elevation 7388		Farm or Lease Name Jicarilla Apache "A" 118	
Csg. Size 7.000	Wt. 2614	d 6.276	Set At 6312	Perforations: From 3951 To 4011		Well No. 6			
Tbg. Size 2.063	Wt. 3.25	d 1.751	Set At 4030	Perforations: From open To ended		Unit N	Sec. 35	Twp. 26N	Rge. 3W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Dual						Packer Set At 4180		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F P		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						865		865		
1.	2.375		.750				52		212		
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		64	1.000	.9608	1.005	764
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	°R

P_c 877 P_c² 769129

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		224	50176	718953
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0698$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0519$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 804$

Absolute Open Flow	804	Mcfd @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Med. spray H₂O lite oil.

Approved by Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By:
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