

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

RECEIVED
NOV 28 1983
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 11/9/83	
Company Amoco Production Company		Connection Not dedicated	
Pool Bloomfield		Formation Chacra	
Completion Date 10/20/83	Total Depth 2953	Plug Back TD 2909	Elevation 5524GL
Csg. Size 7.000	WL 25	d 6.276	Set At 2953
Thq. Size 2.375	WL 1.7	d 1.995	Set At 2871
Type Well - Single - Eraserhead - G.G. or G.O. Multiple Dual		Packer Set At 2000'	
Producing Thru Tubing	Reservoir Temp. °F P	Mean Annual Temp. °F P	Baro. Press. - P _a
L	H	C _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	14 days						816		X		
1.	2.375						275		X		
2.											3 hrs.
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		287	1.000	9258	1.028	3377
2.							
3.							
4.							
5.							

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

P _c 816	P _c ² 665356		
NO.	P _t ²	P _w	P _w ²
1		450	210681
2			455175
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4629 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3302$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4492$$

Absolute Open Flow 4492		Mcf/d @ 15.025		Angle of Slope θ		Slope, n .75	
Remarks: flared - flow dry Abrams Gas Com "G" & "H" #1, Dual							
Approved By Division		Conducted By: J.J. Barnett		Calculated By: J.J. Barnett		Checked By: 	