

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR

RECEIVED
MAR 27 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special					Test Date 3-5-85						
Company Amoco Production Co.					Connection Not dedicated						
Pool Otero					Formation Chacra						
Completion Date 2-13-85			Total Depth 3102		Plug Back TD 3058		Elevation 5585 GR		Farm or Lease Name Saiz Gas Com. "B"		
Csg. Size 4.500		Wt. 10.5		d 4.052		Set At 3102		Perforations: From 2836 To 2938		Well No. 1	
Thg. Size 2.375		Wt. 4.7		d 1.995		Set At 2944		Perforations: From open To ended		Unit Sec. Twp. Rge. L 14 29 11	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple single								Packer Set At none		County San Juan	
Producing Thru tubing			Reservoir Temp. °F θ		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico		
L		H		G _q		% 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						918		926		
1.	2.375	.750					165		392		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		177	1.000	.9258	1.017	2061
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 938 P _c ² 879844				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		404	163216	716628
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2278$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1664$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2404$

Absolute Open Flow 2404		Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: Lite H₂O, flared

Approved By Division	Conducted By: Bryan Services	Calculated By: JJ Barnett	Checked By: Q
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