

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
FEB 06 1986
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-28-86	
Company Amoco Production Co.			Connection El Paso		
Pool Otero			Formation Chacra		
Completion Date 1-17-86		Total Depth 7650		Plug Back TD 7547	
				Elevation 6651GL	
Csg. Size 4.500		Wt. 10.5		d 4.052	
Set At 7650		Perforations: From 3816 To 3838		Well No. 21R	
Thq. Size 2.375		Wt. 4.7		d 1.995	
Set At 7314		Perforations: From open To ended		Unit Sec. Twp. Rge. N 3 25 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 3898	
Producing Thru Casing		Reservoir Temp. °F p		Mean Annual Temp. °F	
				Baro. Press. - P _a	
L		H		Cg	
				% CO ₂	
				% N ₂	
				% H ₂ S	
				Prover	
				Meter Run	
				Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	2.375		.750		
2.					
3.					
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg
1.	12.365		131	1.000	.9258
2.					
3.					
4.					
5.					
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio
1.					A.P.I. Gravity of Liquid Hydrocarbons
2.					Specific Gravity Separator Gas
3.					Specific Gravity Flowing Fluid
4.					Critical Pressure
5.					Critical Temperature
$P_c = 674$ $P_c^2 = 454276$					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0528$
1.		151	22801	431475	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0394$
2.					
3.					
4.					
5.					
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1578$					
Absolute Open Flow 1578				Mcid @ 15.025	Angle of Slope @
				Slope, n .75	
Remarks: Annulus flow, flared, lite condensate, med h2o					
Approved By Division		Conducted By: Joe Elledge		Calculated By: J.J. Barnett	
				Checked By: JB	