

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

45F
File

RECEIVED BY
APR 24 1984
O. C. D.
ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2/1/84	
Company Petroleum Development Corp.		Connection Air	
Pool Pecos Slope Abo ✓		Formation Abo	
Completion Date 1/1/84	Total Depth 4654'	Plug Back TD 4550'	Elevation 3727' GL
Csg. Size 4 1/2"	Wt. 11.6#	Set AI 4618'	Perforations: From 4100' To 4117'
Tub. Size 2 3/8"	Wt. 4.7#	Set AI 4520'	Perforations: From 4238' To 4442'
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Packer Set AI None	
Producing Thru 24/64" choke		Baro. Press. - P _a	
Reservoir Temp. °F		Mean Annual Temp. °F	
L		H	
G _g		% CO ₂	
		% N ₂	
		% H ₂ S	
Prover		Meter Run	
Taps			
Form or Lease Name Isler Pennzoil Fed.		Well No. #2	
Unit 0		Sec. 3	
Twp. 7S		R. 3E	
County Chaves		State New Mexico	

FLOW DATA					TUBING DATA		CASING DATA		Duration
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Flow
SI							110		24 hrs
1.									
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, Mcd
1							160
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcl/psi
1					A.P.I. Gravity of Liquid Hydrocarbons _____
2.					Specific Gravity Separator Gas _____ 640
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

NO.	P _i ²	P _w ²	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____

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

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

Post ID 2
5-18-84
Camp & RK

Absolute Open Flow	160	Mcd @ 15.025	Angle of Slope θ	Slope, n
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Remarks: 24 hr Flow Test to air. Stabilized at Tbg Press 110 psi on a 16/64" choke for a rate of 160 MCFPD. Unable to run 4-point due to low rate.

Approved By Commission:	Conducted By:	Calculated By: JCJ	Checked By:
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