

RECEIVED OCT 15 1982
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File

Type Test ☒ Initial FOUR POINT ☐ Annual ☐ Special		Time Date 10-11-82	
Company RAULT PETROLEUM		Connection AIR NEW WELL	
Well PECOS SLOPE U.D.		Formation ABO	
Completion Date 10-7-82		Total Length 4250	Plug Back TD 3640
Elevation 3804		Form or Lease Name M.W. ISLER	
Log Size 4.500	Wt. 10.5	Est At 4040	Perforations: From 3537 To 3593
Log Size 2.375	Wt. 4.7	Est At 3550	Perforations: From OPEN To ENDED
Type Well - Single - Production - G.G. or G.O. Multiple SINGLE		Packer Set At NONE	
Producing thru TUBING		Reservoir Temp. °F 105° 3565	Mean Annual Temp. °F 60°
Bar. Press. - P _g 13.2		State NEW MEXICO	
L 3565	H 3565	G _g 0.698	% CO ₂ 2.13
% H ₂ 15.14	% H ₂ S 0	Prover 2.0	Meter Run 0
FLOW DATA		TUBING DATA	
B.H.P. 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.
	CHOKE		
51			99 HRS.
1	2.00 X 0.187	95	0
2	2.00 X 0.187	120	0
3	2.00 X 0.187	130	0
4	2.00 X 0.187	145	0
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 _{sp}
			Rate of Flow Q, Mcfd
1	0.60	0	108.2
2	0.60	0	133.2
3	0.60	0	143.2
4	0.60	0	158.2
5			
NO	P ₁	Temp. °F	Z
			Gas Liquid Hydrocarbon Ratio
			A.P.I. Gravity of Liquid Hydrocarbons
1	0.17	529	1.54
2	0.20	530	1.54
3	0.22	531	1.54
4	0.24	529	1.54
5			
Specific Gravity Separator Gas		0.698	
Specific Gravity Flowing Fluid		XXXXXX	
Critical Pressure		651 P.S.I.A.	
Critical Temperature		344 °F	
562.1 P ₁ ²		316. P ₂ ²	
NO	P ₁ ²	P ₂ ²	P ₁ ² - P ₂ ²
1	276	525	275
2	226	475	225
3	185	430	185
4	142	377	142
5			
(1) $\frac{P_c^2}{P_1^2 - P_2^2} = 1.8184$		(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 1.3505$	
AOF = Q $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 155.$			
Absolute Open Flow		155. Mcfd @ 15.025	
Angle of Slope		63.3	
Slope, n		0.503	
Remarks:			
Approved By Commission:		Conducted By:	
DON BENNETT		BENNETT - CATHEY	
Calculated By:		Checked By:	

Post FO-2
10-22-82
Camp + BK