

5' file
50-132

Type Test ☒ Initial FOUR POINT ☐ Annual ☐ Special		RECEIVED JUN 29 1982		660 FNL	
Company STEVENS OPERATING COM.		Connection AIR NEW WELL		660 FWL	
UNDERSIGNED		Formation ABO O. C. D.		Unit D	
Completion Date 6-2-82		Total Depth 6150		Plug Back TD 5221	
Perforations: From 4271 To 4312.5		Perforations: From OPEN To ENDED		Well No. 1-X	
Type Well - Single - Production - G.C. or G.O. Multiple SINGLE		Packer Set At NONE		County CHAVES	
Producing thru TUBING 110 4291		Reservoir Temp. °F 60°		Baro. Press. - P _a 13.2	
L 4291 H 4291		C _g .07971		Meter Run	
FLOW DATA		TUBING DATA		B.H.P. DATA	
NC	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI					
1	2.00 X	.0625	180	.00	97
2	2.00 X	.0625	225	.00	88
3	2.00 X	.0625	295	.00	73
4	2.00 X	.0625	325	.00	69
5					
RATE OF FLOW CALCULATIONS					
NC	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
1	.0657	.00	193.2	.9662	1.1201
2	.0657	.00	238.2	.9741	1.1201
3	.0657	.00	308.2	.9877	1.1201
4	.0657	.00	338.2	.9915	1.1201
5					
NO	h	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio
1	.32	557	1.85	.985	A.P.I. Gravity of Liquid Hydrocarbons
2	.40	548	1.82	.981	Specific Gravity Separator Gas .7970
3	.51	533	1.77	.973	Specific Gravity Flowing Fluid
4	.56	529	1.76	.970	Critical Pressure 601 P.S.I.A.
5					Critical Temperature 300 °F
NO	P _w	P _e	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.2588$	
1	848.6	720.1	190.0	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.1220$	
2	748.4	560.1	350.0	ACIP = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 28.0$	
3	600.8	361.0	549.0		
4	432.6	187.1	723.0		
5					
Isolate Open Flow 28.0		Mold @ 15.025		Angle of Slope @ 63.4	
Slope, n .5000					
Remarks: BOTTOM HOLE PRESSURE MEASURED WITH AMARCO PRESSURE ELEMENTS.					
Approved By Commission:		Conducted By: JOHN SIEGWEIN		Calculated By: BENNETT - CATHEY	
				Checked By:	

Dated ID's
Comp Book
SI 29-82