

copy 10-50
C-122 file
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Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-13-79		FEB 29 1979	
Company David Fasken ✓				Connection Unconnected			
Pool Cemetery Morrow				Formation Morrow			
Completion Date 2-2-79		Total Depth 9848		Plug Back TD 9768 9759		Elevation 3761 KB	
Csg. Size 4 1/2	Wt. 11.60	d 4.000	Set At 9845	Perforations: From 9516 To 9592		Form or Lease Name Ross Fed. Comm.	
Tub. Size 2 3/8	Wt. 4.70	d 1.995	Set At 9264	Perforations: From To		Well No. 2	
Type Well - Single - Dradhead - G.C. or G.O. Multiple				Packer Set At 9246		Unit Sec. Twp. Hgt. M 4 21S 24E	
Producing Flow Tubing		Reservoir Temp. °F 180 9624		Mean Annual Temp. °F 60		County Eddy	
L 9554		H 9554		Cg 0.600		State New Mexico	
				% CO ₂		Prover Pos. ck.	
				% N ₂		Meter Run	
				% H ₂ S		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				2399			2399		Pkr.		
1.	2" X 8/64			2383		70	2383	70	Pkr.		60 min.
2.	2" X 9/64			2377		74	2377	74	Pkr.		60 min.
3.	2" X 11/64			2342		74	2342	74	Pkr.		60 min.
4.	2" X 14/64			2332		74	2332	74	Pkr.		60 min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcd
1	0.2618		2396.2	0.9905	1.291	1.148	920.9
2	0.3346		2390.2	0.9868	1.291	1.144	1165.6
3	0.5090		2355.2	0.9868	1.291	1.144	1747.1
4	0.8419		2345.2	0.9868	1.291	1.144	2877.5
5							

NO.	P	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	3.571	530	1.48	0.7582	Trace	Trace	0.600	XXXXXX	671	358
2	3.562	534	1.49	0.7646						
3	3.510	534	1.49	0.7646						
4	3.495	534	1.49	0.7646						
5										

NO.	P _s	P _{s2}	P _{F2} -P _{S2}	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	3019.2	9115.6	121.1	23.63536	21.539785
2	3013.2	9079.4	157.3		
3	2989.2	8935.3	301.4		
4	2974.2	8845.9	390.8		
5					

Absolute Open Flow <u>61980.73</u> Mcd @ 15.025				Angle of Slope θ <u>45.853</u>		Slope, n <u>0.970645</u>	
Remarks:							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
		Teffeller, Inc.		D. A. Warren			