

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-20-79		MAR 30 1979	
Company David Fasken ✓				Connection Unconnected		O.C.C. ARTESIA, CALIF.	
Pool Cemetery Morrow				Formation Morrow		Unit	
Completion Date 3-15-79		Total Depth 9862 9863		Plug Back TD 9752 9818		Elevation 3708 KB	
Csq. Size 4 1/2		Set At 11.60 4.000 9849		Perforations: From 9531 To 9618		Farm or Lease Name Ross Fed. Comm.	
Tubg. Size 2 3/8		Set At 4.70 1.995 9131		Perforations: From To		Well No. 3	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At 9131		County Eddy	
Producing Tubs Tubing		Reservoir Temp. °F 180 @ 9500		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 9574		H 9574		G _g 0.615		% CO ₂ 0.87	
				% N ₂ 0.25		% H ₂ S Nil	
				Prover Pos. Cks.		Meter Run 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	
51	63.5 hours			2365			2365		Pkr.		
1.	2" x 8/64"			2272		58	2272	70	Pkr.		60 Min.
2.	2" x 9/64"			2264		58	2264	70	Pkr.		60 Min.
3.	2" x 11/64"			2227		58	2227	70	Pkr.		60 Min.
4.	2" x 14/64"			2109		58	2109	70	Pkr.		60 Min.
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, Mcfd
1	0.2618		2285.2	1.0020	1.275	1.174	897.3
2	0.3345		2277.2	1.0020	1.275	1.174	1142.8
3	0.5090		2240.2	1.0020	1.275	1.174	1710.2
4	0.8419		2122.2	1.0020	1.275	1.173	2677.5
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Trace	Mcf/bbl.
1.	3.4057	518	1.4309	0.7252	A.P.I. Gravity of Liquid Hydrocarbons	Trace	Deq.
2.	3.3937	518	1.4309	0.7252	Specific Gravity Separator Gas	0.615	X X X X X X X X
3.	3.3386	518	1.4309	0.7255	Specific Gravity Flowing Fluid	X X X X X	
4.	3.1627	518	1.4309	0.7275	Critical Pressure	671	P.S.I.A.
5					Critical Temperature	362	R

P _f 3009.2 P _f ² 9055.3				
NO.	P _f ²	P _s	P _s ²	P _f ² - P _s ²
1		2899.2	8405.4	649.9
2		2886.2	8330.2	725.1
3		2843.2	8083.8	971.5
4		2711.2	7350.6	1704.7
5				

(1) $\frac{P_f^2}{P_f^2 - P_w^2} = 5.311961$

(2) $\left[\frac{P_f^2}{P_f^2 - P_w^2} \right]^n = 3.638287$

AOF = Q $\left[\frac{P_f^2}{P_f^2 - P_w^2} \right]^n = 9741.5$

3-30-79

Absolute Open Flow	9741.5	Mcf/d @ 15.025	Angle of Slope	52.282	Slope, n	0.773379
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Remarks: BHP measured with Amerada RPG-3 gauge, serial number 32030-N, 0-4000 psig.

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: D. A. Warren, Jr.	Checked By:
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