

RECEIVED BY CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

JUL 8 1985

Form C-127
 Revised 6-1-83

O. C. D.

ANTHESIA, OFFICE

Type Test ☒ Initial ☐ One Point		Test Date 5-9-85	
Company Union Oil Co. of Calif. ✓		Connection WOPL	
Pool White City Pennsylvannian		Formation Morrow	
Completion Date 5-29-85	Total Depth 11,392'	Plug back To 11,318'	Elevation 3315' GR
Casing Size 3 1/2" OD 9.3#		Set At 2.992	Perforations: From 11,116' To 11,252'
Tubing Size 2 3/8" OD 4.7#		Set At 1.995	Perforations: From To
Type well - Single - Protthead - G.G. or G.O. Multiple Single		Packer Set At 10,499'	County Eddy
Producing Thru Tubing	Reservoir Temp. °F 183 @ 11,116 ft	Mean Annual Temp. °F 50	Baro. Press. - P _a 13.20 psia
L 11,116	R 11,116	Gg .588	% CO ₂ 0
		% N ₂ 0	% H ₂ S 0
		Provd 0	Meter Run 40
			Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Provd 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							1300	65			62.0
1.	4.03		1.000	330	47.0	78	695	78	0	0	8.0
2.											
3.											
4.											
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, Mgd
1	4.75	127.01	343.2	0.9881	1.3041	1.0260	794
2							
3							
4							
5							

NO.	P _r	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	.51	538	1.52	.950	0	0	.588	XXXXXX	673	355
2										
3										
4										
5										

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1	1311.7	718	515	1205
2				
3				
4				
5				

(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.4275$

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1074$

(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 13533$

Post ID-2
8-9-85
Comp + BK

Absolute Open Flow	1074	Mgd @ 15.025	Angle of Slope	49.6	Slope, n	.850
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Approved By Commission	Conducted By: C. A. Bagley	Calculated By: M. F. Standifer	Checked By: John C. Merritt
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