

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12-10-80	
Company Flag-Redfern Oil Co.		Connection	
Pool Fulcher Kutz P.C.		Formation Pictured Cliffs	
Completion Date 12-3-80	Total Depth 1690'	Plug Back TD 1657'	Elevation
Farm or Lease Name Aloha			Well No. #1
Csg. Size 2-7/8"	Wt. 6.4#	Set At 1692	Perforations: From 1597 To 1603
Tbg. Size 1 1/4"	Wt. 2.4#	Set At 1594	Perforations: From open-end To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas-Dual			Packer Set At 1364'
Producing Thru Tbg.			State New Mexico
Reservoir Temp. °F		Mean Annual Temp. °F	Baro. Press. - P _a
L	H	G _a	% CO ₂ .62 est.
		% N ₂	% H ₂ S
		Prover	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
SI							482		575	.	7 days
1.											
2.											
3.	1/2" pos choke			48		46 ⁰			575		3 hrs
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2.							
3.	5.4315		60	1.014	.9837	1.000	325
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	°R

P _c 494	P _c ² 244,036				(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1,0150$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 329$
NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²		
1						
2						
3	3600		3606	240,430		
4						
5						

Absolute Open Flow 329 Mcfd @ 15.025 Angle of Slope 85 Slope, n .85

Remarks:

Approved by Division Conducted By: Anderson Calculated By: Jacobs Checked By:

