

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-17-80			
Company Flag-Redfern Oil Co.				Connection					
Pool Pinon				Formation Fruitland				Unit	
Completion Date 12-3-80		Total Depth 1690'		Plug Back TD T657'		Elevation 5641 GL		Farm or Lease Name Aloha	
Coq. Size 2-7/8"	Wt. 6.4#	d	Set At 1692'	Perforations: From 1311' To 1326'		Well No. #1			
Tbg. Size 1 1/4"	Wt. 2.4#	d	Set At 1594'	Perforations: From annular space		Unit L		Sec. 16	Twp. 28N
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas-Gas-Dual						Packer Set At 1364'		County San Juan	
Producing Thru Annulus		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% CO ₂	% 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	56	573	56	7 days
1.											
2.											
3.	pos choke 3/4"			142.5		54	482	56			3 hr
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, Mcfd
1							
2							
3	12.365		154.5	1.006	.9837	1.104	2087
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					NA	
2					NA	
3						
4						
5						

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_w^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_w^2 - P_w^2} \right]^n =$
1						
2						
3	23870		29.796	312.429	1.0954	1.0805
4						
5						

Absolute Open Flow 2255 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved by Division _____ Conducted by: Donovan Calculated by: Donovan Checked by: _____