

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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 12-2-80		Total Depth 1740		Plug Back TD 17T3	
Elevation 5578'		Farm or Lease Name Aloha			
Csg. Size 2-7/8"	Wt. 6.4#	Set At 1740	Perforations: From 1582 To 1588		Well No. #2
Tbg. Size 1-1/4"	Wt. 2.4#	Set At 1563	Perforations: From open end To		Unit D
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - dual				Packer Set At 1463'	
Producing Thru Tbg.		Reservoir Temp. °F		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
L	H	Gg .62 est.	% CO ₂	% N ₂	% H ₂ S
Prover			Meter Run		Tape

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							372		544		7 days
1.											
2.											
3.	1/2 pos. choke			26		48 ⁰			544		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 Fg	Super Compress. Factor, F _{sc}	Rate of Flow O. Mcd
1							
2							
3	5.4215		38	1.012	.9837	1.000	
4							
5							

NO.	P _t	Temp. °R	T _g	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 384	P _c ² 147,456	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 1.0099$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0084$
NO.	P _t ²	P _w ²	P _t ² - P _w ²
1			
2			
3	1444	1446	146,010
4			
5			

Absolute Open Flow 207		Mcd @ 15.025	Angle of Slope θ	Slope, n .85
Hemuhai				
Approved by Division				
Conducted By:		Calculated By:		Checked By: