

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-13-77			
Company Kirby Exploration Company				Connection -					
Pool Nipp Pictured Cliff				Formation Pictured Cliff				Unit	
Completion Date 5-17-77		Total Depth 1256		Plug Back TD 1217		Elevation 6029 GL		Farm or Lease Name Frew Federal	
Csg. Size 4 1/2	Wt. 10.5	d	Set At 1256	Perforations: From 1095 To 1124		Well No. #2			
Tbg. Size 2 3/8	Wt. 4.7	d	Set At 1020	Perforations: From To		Unit Sec. Twp. Rge. N 20 26N 12W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At none		County San Juan	
Producing Thru tubing		Reservoir Temp. °F 80 @ 1250		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .620	% 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							227	74	227	74	
1.	2x6x.75			11	-	-	11	74	19	-	3 Hrs.
2.											
3.											
4.											
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	11		23	.9868	1.270	1.020	323
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.021	534	1.47	0.992	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 239	P _c ² 57121	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0064$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0054$
NO.	P _t ²	P _w	R _w ²
1		19	361
2			
3			
4			
5			

Absolute Open Flow		325	Mcf/d @ 15.025	Angle of Slope	Slope, n	0.85
Remarks:						

Approved By Commission:	Conducted By: Wendell Durrett	Calculated By: J. D. Hicks	Checked By: William T. Jones
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