

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: 8-4-76			
Company: Kirby Exploration Co.						Location: Pictured Cliffs		Unit:	
Completion Date: 7-16-76		Total Depth: 1550		Plug Back TD: 1492		Elevation: 6187 GL		Farm or Lease Name: Armour Federal	
Csg. Size: 4 1/2	Wt. 10 1/2	d	Set At: 1523	Perforations: From 1324-30 To 1335-52		Well No. 1-Y			
Tbg. Size: 2 3/8	Wt.	d	Set At: 1272	Perforations: From To		Unit: 4		Sec. 26	Twp. 13
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At: No packer		County: San Juan	
Producing Thru		Reservoir Temp. °F: 90 @		Mean Annual Temp. °F		Baro. Press. - P _a		State: New Mexico	
L	H	Gg	% 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	2	X	3/4				205		205		3 hrs.
1.							9	60	17		
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, Mcfd
1	12.365		21	1.000	9608		259
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					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 217	P _c ² 47089	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0182$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0154$
NO.	P _t ²	P _w	P _w ²
1		29	841
2			
3			
4			
5			

Absolute Open Flow: 262 Mcfd @ 15.025		Angle of Slope @ 49.5°	Slope, n 0.854
Remarks:			
Approved By Commission: Tefteller, Inc.			
Conducted By: N. Tefteller		Checked By:	