

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.						Connection			
Pool Pictured Cliffs						Unit			
Completion Date 7-13-76		Total Depth 1300		Plug Back TD 1200		Elevation 5963 GL		Farm or Lease Name Fusselman Federal	
Csg. Size 4 1/2	Wt. 10 1/2	d	Set At 1243	Perforations: From 1088-91 To 1102-06		Well No. 1			
Tbg. Size 2 3/8	Wt.	d	Set At 974	Perforations: From To		Unit 17	Sec. 26	Twp. 12	Rge. 12
Type Well - Single - Dradhead - 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				222		222		3 hrs.
1.							10	60	19		
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		22	1.000	.9608		261
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. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 234	P _c ² 54756	
NO.	P _c ²	P _w
1		31
2		961
3		53795
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0179$$

$$A \cdot B = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 266$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0151$$

Absolute Open Flow	266	Mcfd @ 15.025	Angle of Slope @ 49.5°	Slope, n .0854
Remarks:				

Approved By Commission:	Conducted By: Teffeller, Inc.	Calculated By: N. Tefteller	Checked By:
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