NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 7-13-77		
Company: Kirby Exploration Company		Connection:			
Pool: Nipp Pictured Cliff		Formation: Pictured Cliff		Unit:	
Completion Date: 6-10-77	Total Depth: 1253	Plug Back TD: 1130	Elevation: 59316	Farm or Lease Name: Fusselman Federal	
Csg. Size: 4½ / Wt.: 10.5 / d: / Set At: 1223		Perforations: From 1086 To 1092 / From 1098 To 1105		Well No.: 2	
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: / Set At: 989		Perforations: From To		Unit: D / Sec.: 17 / Twp.: 26N / Rge.: 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	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0.620						

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					217	73	217		
1.	2x6x0.75	11	-	-	11	73	17	-	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11	-	22	0.9877	01.270	1.020	310
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1.	.021	533	1.47	0.992
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio NA Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas ____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX ____
Critical Pressure ____ P.S.I.A. ____ P.S.I.A.
Critical Temperature ____ R ____ R

P_c 229 P_c^2 52441

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		17	289	52152
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0055$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0047$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 311$

Absolute Open Flow 311 Mcfd @ 15.025 | Angle of Slope θ ____ | Slope, n 0.85

Remarks: ____

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