dSF

30-015-31043

Submit in duplicate to appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator	Lease or Unit Name
LOUIS DREYFUS	RIO CINCO "26"

Type Test: ☑ Initial ☐ Annual ☐ Special

Test Date	Well No.
6/13/00	1

Completion Date	Total Depth	Plug Back TD	Elevation	Unit Ltr - Sec - TWP - Rge
		10620		D 26 17-S 28-E

Csg. Size	Wt.	d	Set At	Perforations:			County
5 1/2	17#	4.892	10620	From: 10170	To:	10382	EDDY

Tbg. Size	Wt.	d	Set At	Perforations:		Pool
2 7/8	6.5	2.441	10093	From:	To:	S. Empire Morrow

Type Well-Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	Formation
SINGLE	10093	MORROW

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P_a	Connection
Tbg. Size	174.9	60	13.2	SALES

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
10093	10093	0.78	10.117	0.607	N/A	N/A	4.026	FLG

	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					2950	N/A	PKR	N/A	
1	4.026 X 1.500	455	2.5	94	2876				1 HR.
2	4.026 X 1.500	459	7.9	91	2790				1 HR.
3	4.026 X 1.500	463	21.3	85	2690				1 HR.
4	4.026 X 1.500	468	51.7	70	2490				1 HR.
5									

RATE OF FLOW CALCULATIONS

No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor F_g	Super Compress Factor P pv	Rate of Flow Q, Mcfd
1							482
2	GAS VOLUMES	MEASURED	BY	TOTAL	FLOW	METER	860
3							1413
4							2299
5							

No.	P_r	Temp. °R	T_r	Z
1				
2	TOTAL	FLOW	METER	
3				
4				
5				

Gas Liquid Hydrocarbon Ratio	14.039		Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons	54.4		Deg.
Specific Gravity Separator Gas	0.78	XXXXXXX	
Specific Gravity Flowing Fluid	N/A	XXXXX	
Critical Pressure	709 P.S.I.A.	702	P.S.I.A.
Critical Temperature	398 R	461	R

P_c 2963.2 P_c^2 8780.6

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	8347.5	2889.6	8349.8	430.7
2	7857.9	2804.5	7865.3	915.3
3	7307.3	2706.8	7326.6	1454
4	6874.9	2631.5	6925	1855.6
5				

(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} =$ 4.732 (2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 4.732

AOF = Q $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 10879

Absolute Open Flow	10.873	Mcfd @ 15.025	Angle of Slope (): 45	Slope n: 1

Remarks: *WELL MADE 15 BBLS OF 54.9 API GRAVITY CONDENSATE DURING TEST.

Approved By Division:	Conducted By:	Calculated By:	Checked By:
OCD RECEIVED ARTESIA	PRO WELL TESTING	MB	BM