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appropriate district office.
See Rule 401 & Rule 1122

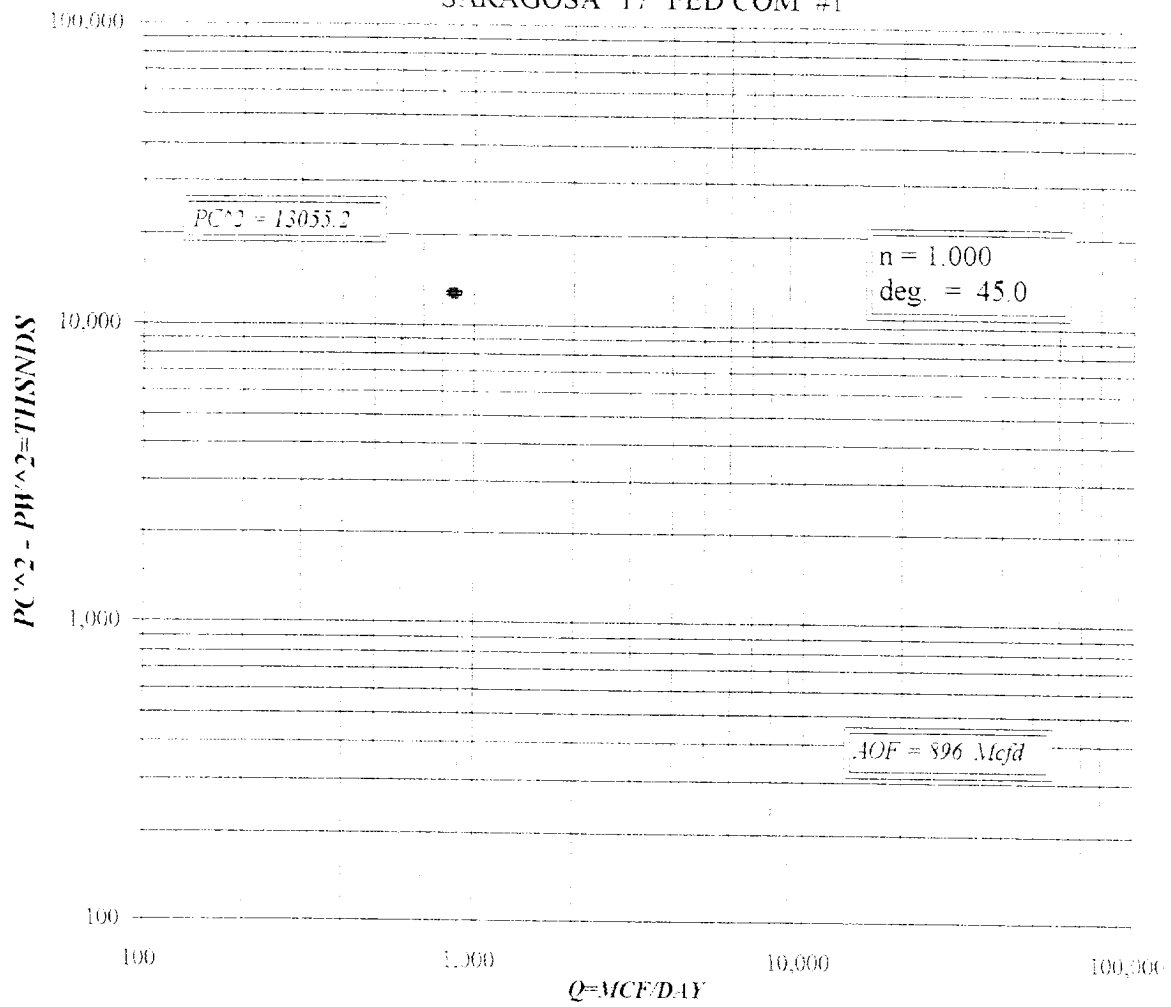
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator LOUIS DREYFUS					Lease or Unit Name SARAGOSA "1.7" FED COM				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3/19/01		Well No. 1		
Completion Date		Total Depth		Plug Back TD 11660		Elevation		Unit Ltr - Sec - TWP - Rge	
Csg. Size 4 1/2	Wt. 13.5	d 3.92	Set At 11660		Perforations: From: 11411 To: 11591		County EDDY		
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 11365		Perforations: From: To:		Pool SCARUSBAO Morrow		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE					Packer Set At 11365		Formation MORROW		
Producing Thru TUBING		Reservoir Temp. °F 187.8		Mean Annual Temp. °F 60		Baro. Press. - P ₁ 13.2		Connection AIR	
L 11382	H 11382	Gg 0.6	%CO ₂ 1.43	%N ₂ 1.881	%H ₂ S N/A	Prover N/A	Meter Run 3.067	Taps FLG	
FLOW DATA					TUBING DATA			CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff h _a	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F
SI						3600	N/A	PKR	N/A
1	3.067 X 2.250		50	8	62	580			
2									
3									
4									
5									
RATE OF FLOW CALCULATIONS									
No.	COEFFICIENT (24 Hour)		$\sqrt{h_a P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}		Rate of Flow Q, Mcfd
1	28.78		22.5	63.2	0.9981	1.291	1.043		870
2									
3									
4									
5									
No.	P.	Temp. °R	T.	Z	Gas Liquid Hydrocarbon Ratio		N/A		Mer/bbl.
1	1677	522	1.48	0.919	A.P. L. Gravity of Liquid Hydrocarbons		N/A		Deg.
2					Specific Gravity Separator Gas		0.6		XXXXXX
3					Specific Gravity Flowing Fluid		N/A		XXXXXX
4					Critical Pressure		675		P.S.I.A.
5					Critical Temperature		351		R.
P		3613.2	P ₂	13055.2					
No.	P _c ²	P _w	P _s ²	P _v ² - P _v ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.03}{1.03}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_v^2} \right]^n = \frac{1.03}{1.03}$				
1	351.9	616.1	379.3	12673.7					
2									
3					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_v^2} \right]^n = \frac{896}{896}$				
4									
5									
Absolute Open Flow		896		Mcfd @ 15.025		Angle of Slope (°)		45	
Slope m:		1							
Remarks: * NO LIQUID MADE DURING TEST.									
Approved By Division		Conducted By PRO WELL TESTING		Calculated By MERV BUECKER		Checked By BM			

LOUIS DREFUS
SARAGOSA "17" FED COM #1



0 COMPANY : LOUIS DREYFUS LEASE : SARAGOSA WELL NO. : 1
UNIT : SECTION : TOWNSHIP :
L : 11382 H : 11382 L : 1 G/GMIX : 0.600
WCO2 : 1.43 W2 : 1.881 H2S : DATE : 3/19/01
d : 1.995 Pr : 0.018231 GH : 5829.2 RANGE :

Pc = 3613.2 Pc2 = 13055.2 *
Pt2 = .9 Pw = 516.1 *
0.0 ERR *
0.0 ERR *
0.0 ERR *

VOL 1 : 870 PSIA 1 : 593.2 RESV. TEMP 187.8
VOL 2 : PSIA 2 :
VOL 3 : PSIA 3 : SHUT-IN PR= 3613.2
VOL 4 : PSIA 4 :

Pc2-Pw2= ***** Pw2 = 379.5 *
ERR ERR *
ERR ERR *
ERR ERR *

PCR : 675
TCR : 351

n = 1.000 *

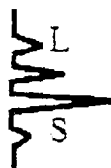
Pc2/(Pc2-Pw2) = 1.030 *
ERR *
ERR *
ERR *

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.870	0.870	0.000	0.000	0.000	0.000	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	647.8	647.8	647.8	647.8	647.8	647.8	647.8	647.8
4 T	590.9	590.9	590.9	590.9	590.9	590.9	590.9	590.9
PR (est)	0.88		0.00		0.00		0.00	
5 Z(est)	0.920	0.912	ERR	ERR	ERR	ERR	ERR	ERR
6 TZ	543.5	538.9	ERR	ERR	ERR	ERR	ERR	ERR
7 GH/TZ	12.562	12.672	ERR	ERR	ERR	ERR	ERR	ERR
8 eS	1.502	1.608	ERR	ERR	ERR	ERR	ERR	ERR
9 i-e-S	0.376	0.378	ERR	ERR	ERR	ERR	ERR	ERR
10 Pt	593.2	593.2	0.0	0.0	0.0	0.0	0.0	0.0
11 Pt2 /1000	351.9	351.9	0.0	0.0	0.0	0.0	0.0	0.0
12 Pr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Pc=PrTZ	9.911	9.825	ERR	ERR	ERR	ERR	ERR	ERR
14 PcQm	8.62	8.55	ERR	ERR	ERR	ERR	ERR	ERR
15 L/H(PcQm)	74.3	73.1	ERR	ERR	ERR	ERR	ERR	ERR
16 Pw	27.93035	27.63626	ERR	ERR	ERR	ERR	ERR	ERR
17 Pw2	379.8	379.5	ERR	ERR	ERR	ERR	ERR	ERR
18 Ps2	508.4	610.4	ERR	ERR	ERR	ERR	ERR	ERR
19 Ps	780.0	781.3	ERR	ERR	ERR	ERR	ERR	ERR
20 P	586.6	587.2	ERR	ERR	ERR	ERR	ERR	ERR
21 Pr	1.02	1.02	ERR	ERR	ERR	ERR	ERR	ERR
22 Tr	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
23 Z	0.912	0.912	ERR	ERR	ERR	ERR	ERR	ERR

[Pc2/Pc2-Pw2]n = 1.030 *
ERR *
ERR *
ERR *

AOF= Q 0.896 *
ERR *
ERR *
ERR *

FORM C122-D *



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Saragosa "17" Fed. Com. #1
COMPANY: Louis Dreyfus
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 3/19/01 11:00 am
ANALYSIS DATE: 3/20/01
PRESSURE - PSIG 50
SAMPLE TEMP. °F 44
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Pro Well
ANALYSIS BY: Vickie Biggs

REMARKS: Sample taken @ the meter run

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)		
Nitrogen (N ₂)	1.881	
Carbon Dioxide (CO ₂)	1.430	
Methane (C ₁)	93.553	
Ethane (C ₂)	2.189	0.584
Propane (C ₃)	0.413	0.114
i-Butane (C ₄)	0.106	0.035
n-Butane (nC ₄)	0.122	0.038
i-Pentane (iC ₅)	0.095	0.035
n-Pentane (nC ₅)	0.082	0.030
Hexane Plus (C ₆ +) <u> </u>	<u>0.127</u>	<u>0.055</u>
	100.000	0.891

BTU/CU.FT. - DRY 1015
AT 14.650 DRY 1011
AT 14.650 WET 994
AT 14.73 DRY 1017
AT 14.73 WET 999

MOLECULAR WT. 17.3813

SPECIFIC GRAVITY -
CALCULATED 0.600
MEASURED