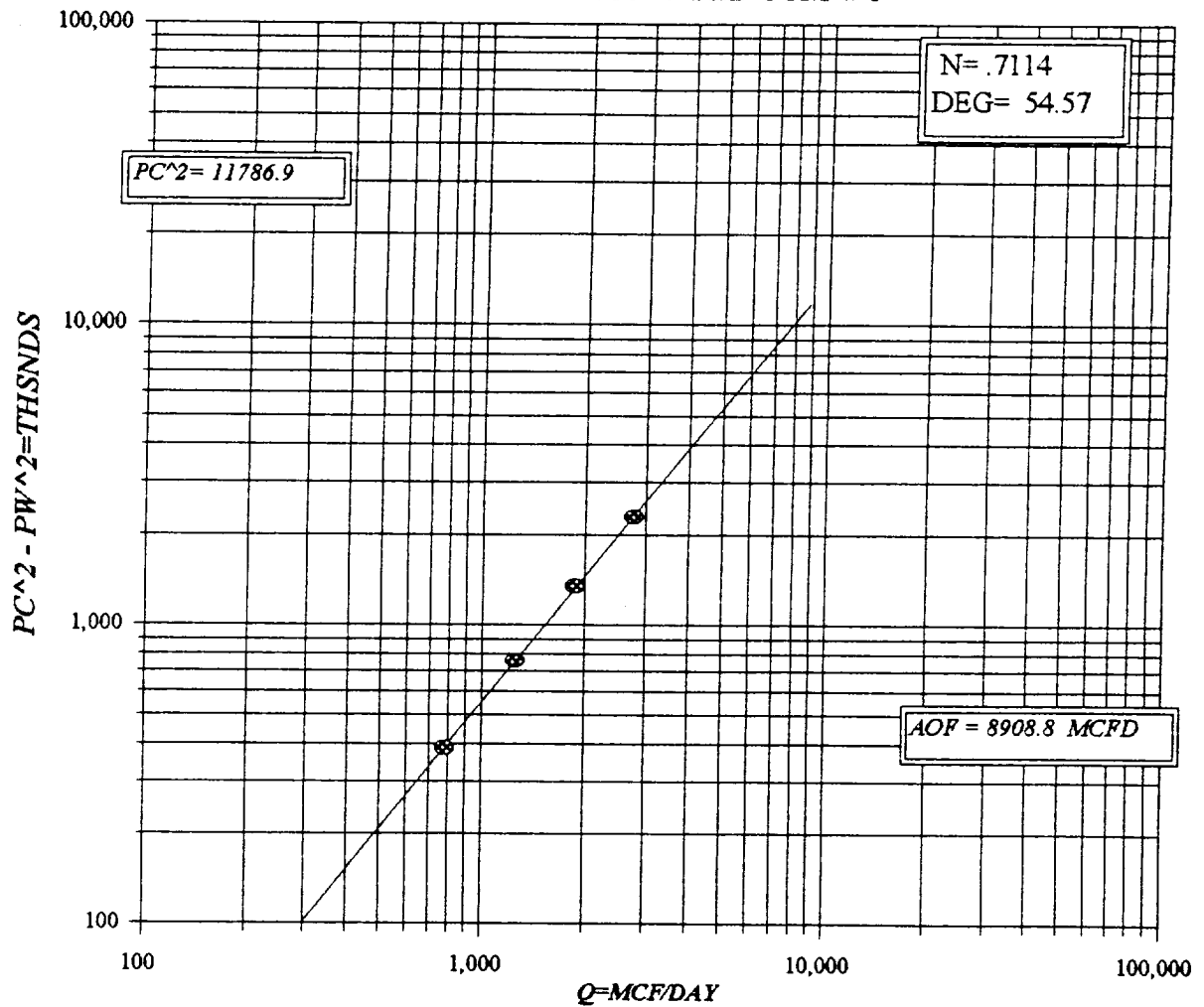


LOUIS DREYFUS
LOCO HILLS "4" FED COM # 1





○ COMPANY : LOUIS DREYFUS LEASE : LOCO HILLS 4 FED COWELL NO. : 1 Pc = 3433.2 Pc2 = 11786.9 *
UNIT : SECTION : 4 TOWNSHIP : 18 *
L : 10880 H : 10880 L/H : 1 G/GMIX : 0.660 Pt2 = ***** Pw = 3376.4 *
%CO2 : 0.066 %N2 : 1.518 H2S : DATE : 12/9/99 ***** 3321.4 *
d : 1.995 Fr : 0.018231 GH : 7180.8 RANGE : 29 ***** 3231.9 *
----- 9230.7 3081.0 *
----- *

VOL 1 : 786 PSIA 1 : 3373.2 RESV. TEMP 182.8 Pc2-Pw2= 386.8 Pw2 = 11400.1 *
VOL 2 : 1248 PSIA 2 : 3313.2 755.5 11031.4 *
VOL 3 : 1875 PSIA 3 : 3213.2 SHUT-IN PR= 3433.2 1341.4 10445.5 *
VOL 4 : 2784 PSIA 4 : 3038.2 2294.3 9492.6 *
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PCR : 672 n = 0.711 *
TCR : 373 *
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LINE	RATE 1		RATE 2		RATE 3		RATE 4		
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	
1 QM	0.786	0.786	1.248	1.248	1.875	1.875	2.784	2.784	
2 TW	534	534	534	534	534	534	534	534	[Pc2/Pc2-Pw2]n = 11.367
3 Ts	642.8	642.8	642.8	642.8	642.8	642.8	642.8	642.8	7.060
4 T	588.4	588.4	588.4	588.4	588.4	588.4	588.4	588.4	4.693
PR (est)	5.02		4.93		4.78		4.52		3.204
5 I(est)	0.823	0.857	0.820	0.852	0.815	0.845	0.807	0.834	
6 TZ	484.3	504.0	482.4	501.4	479.5	497.3	475.0	490.6	AOF= Q 8.935
7 GH/TZ	14.829	14.247	14.885	14.321	14.976	14.440	15.118	14.637	8.811
8 eS	1.744	1.706	1.748	1.711	1.753	1.719	1.763	1.731	8.799
9 l-e-S	0.427	0.414	0.428	0.416	0.430	0.418	0.433	0.422	8.908
10 Pt	3373.2	3373.2	3313.2	3313.2	3213.2	3213.2	3038.2	3038.2	
11 Pt2 /1000	11378.5	11378.5	10977.3	10977.3	10324.7	10324.7	9230.7	9230.7	
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	
13 Fc=FrTZ	8.829	9.189	8.795	9.142	8.742	9.066	8.660	8.944	
14 FcQm	6.94	7.22	10.98	11.41	16.39	17.00	24.11	24.90	
15 L/H(FcQm)	48.2	52.2	120.5	130.2	268.7	289.0	581.2	620.0	
16 Fw	20.53931	21.58990	51.53329	54.08297	115.4439	120.8272	251.5122	261.90655	
17 Pw2	11399.0	11400.1	11028.8	11031.4	10440.1	10445.5	9482.2	9492.6	
18 Ps2	19877.6	19451.0	19273.2	18873.8	18306.2	17951.1	16715.3	16434.6	
19 Ps	4458.4	4410.3	4390.1	4344.4	4278.6	4236.9	4088.4	4054.0	
20 P	3915.8	3891.8	3851.7	3828.8	3745.9	3725.0	3563.3	3546.1	
21 Pr	5.83	5.79	5.73	5.70	5.57	5.54	5.30	5.28	
22 Tr	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	
23 Z	0.857	0.855	0.852	0.851	0.845	0.844	0.834	0.833	FORM C122-D

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NEW MEXICO G.O.R./G. MIX

NO. OF BBLS PRODUCED	=	2.0
API GRAVITY @ 60 DEG.	=	46.6

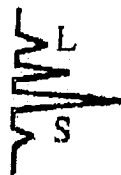
SPECIFIC GRAVITY OF GAS	=	0.6600
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XX		
TOTAL GAS PRODUCED	=	279

G.O.R.	=	139.438
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G.MIX	=	0.683
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**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: Loco Hills 4 Fed. Com. #1
COMPANY: Louis Dreyfus Natural Gas
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 12/8/99 8:00 pm
ANALYSIS DATE: 12/9/99
PRESSURE - PSIG 50
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Lane Thorp
ANALYSIS BY: Vickie Walker

REMARKS: Crude Oil API Gravity @ 60° F = 46.6

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	1.518	
Carbon Dioxide (CO2)	0.066	
Methane (C1)	85.666	
Ethane (C2)	8.108	2.163
Propane (C3)	2.890	0.794
I-Butane (IC4)	0.361	0.118
N-Butane (NC4)	0.603	0.190
I-Pentane (IC5)	0.189	0.069
N-Pentane (NC5)	0.145	0.052
Hexane Plus (C6+)	0.436	0.187
	100.000	3.573

BTU/CU.FT. - DRY 1148
AT 14.650 DRY 1144
AT 14.650 WET 1124
AT 14.73 DRY 1151
AT 14.73 WET 1131

MOLECULAR WT. 19.1013

SPECIFIC GRAVITY -
CALCULATED 0.660
MEASURED

