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COMPANY : NEARBURG PROD. CO.

LEAS

R. 3 FED. COM. WELL NO. : 1

UNIT : K

SECTION : 3

TOWNSHIP : 24

L : 11237

H : 11237

L/H : 1

G/GMIX : 0.580

%CO2 : 1.14

%N2 : 0.16

H2S :

DATE : 4 8 97

d : 2.441

Fr : 0.010763

GH : 6517.5

RANGE : 26

Pc = 1569.2

Pc2 = 2462.4

Pt2 = 2347.6

Pw = 1539.5

2062.7

1473.5

1706.2

1384.2

1268.3

1272.9

VOL 1 : 1413

PSIA 1 : 1532.2

RESV.TEMP 186.4

Pc2-Pw2= 92.3

Pw2 = 2370.1

VOL 2 : 3101

PSIA 2 : 1436.2

SHUT-IN PR= 1569.2

291.2

2171.2

VOL 3 : 4298

PSIA 3 : 1306.2

546.2

1916.1

VOL 4 : 5532

PSIA 4 : 1126.2

842.2

1620.2

PCR : 676

TCR : 349

n = 0.614

Pc2/(Pc2-Pw2) = 26.669

8.455

4.508

2.924

[Pc2/Pc2-Pw2]n = 7.496

3.705

2.519

1.931

AOF= Q 10.592

11.489

10.826

10.682

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	1.413	1.413	3.101	3.101	4.298	4.298	5.532	5.532
2 TW	534	534	534	534	534	534	534	534
3 Ts	646.4	646.4	646.4	646.4	646.4	646.4	646.4	646.4
4 T	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2
PR (est)	2.27		2.12		1.93		1.67	
5 Z(est)	0.858	0.849	0.862	0.852	0.869	0.858	0.880	0.866
6 TZ	506.2	501.1	508.9	503.1	513.1	506.2	519.6	511.0
7 GH/TZ	12.876	13.005	12.806	12.954	12.703	12.876	12.543	12.755
8 eS	1.621	1.629	1.616	1.625	1.610	1.621	1.601	1.613
9 l-e-S	0.383	0.386	0.381	0.385	0.379	0.383	0.375	0.380
10 Pt	1532.2	1532.2	1436.2	1436.2	1306.2	1306.2	1126.2	1126.2
11 Pt2 /1000	2347.6	2347.6	2062.7	2062.7	1706.2	1706.2	1268.3	1268.3
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13 Fc=FrTZ	5.448	5.394	5.478	5.415	5.522	5.448	5.593	5.500
14 FcQm	7.70	7.62	16.99	16.79	23.73	23.42	30.94	30.42
15 L/H(FcQm)	59.3	58.1	288.5	282.0	563.3	548.3	957.2	925.6
16 Fw	22.69579	22.41926	110.0338	108.4979	213.4816	209.9882	359.1641	351.89797
17 Pw2	2370.3	2370.1	2172.7	2171.2	1919.6	1916.1	1627.5	1620.2
18 Ps2	3841.5	3859.8	3512.1	3529.2	3091.0	3105.4	2604.9	2614.0
19 Ps	1960.0	1964.6	1874.1	1878.6	1758.1	1762.2	1614.0	1616.8
20 P	1746.1	1748.4	1655.1	1657.4	1532.2	1534.2	1370.1	1371.5
21 Pr	2.58	2.59	2.45	2.45	2.27	2.27	2.03	2.03
22 Tr	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69
23 Z	0.849	0.849	0.852	0.852	0.858	0.858	0.866	0.866

FORM C122-D

LIR



Job separation sheet



Laboratory Services, Inc.
1331 Tasker Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

FOR: Jarrel Services, Inc.
Attention: Mr. Donnie Dickerson
P. O. Box 1230
Hobbs, New Mexico 88240

SAMPLE Black River 3
IDENTIFICATION: Fed. Com. #1
COMPANY: Nearburg Producing Co.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 4/7/97
ANALYSIS DATE: 4/7/97
PRESSURE - PSIG
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Jarrel Services
ANALYSIS BY: Vickie Walker

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)		
Nitrogen (N ₂)	0.16	
Carbon Dioxide (CO ₂)	1.14	
Methane (C ₁)	96.79	
Ethane (C ₂)	1.48	0.395
Propane (C ₃)	0.17	0.047
I-Butane (IC ₄)	0.02	0.008
N-Butane (NC ₄)	0.02	0.007
I-Pentane (IC ₅)	0.02	0.006
N-Pentane (NC ₅)	0.02	0.008
Hexane Plus (C ₆ +) 0.18		0.073
	100.00	0.544
BTU/CU.FT. - DRY	1020	MOLECULAR WT. 16.7996
AT 14.650 DRY	1016	
AT 14.650 WET	999	
AT 14.73 DRY	1022	
AT 14.73 WET	1004	
SPECIFIC GRAVITY -		
CALCULATED	0.580	
MEASURED		