

COMPANY : PENWELL ENERGY LEASE : BARAT ST WELL NO. : 1
 UNIT : SECTION : TOWNSHIP : 23
 L : 11563 H : 11563 L/H : 1 G/GNIX : 0.586
 ZC02 : 1.42 ZN2 : 0.27 H2S : DATE : 1/9/98
 d : 1.995 Fr : 0.018231 GH : 6775.9 RANGE : 26
 P12 = 9079.4 Pw = 3015.1
 7914.1 2820.7
 7690.6 2789.6
 5823.5 2444.0

VOL 1 : 573 PSIA 1 : 3013.2 RESV.TEMP 189.6
 VOL 2 : 1118 PSIA 2 : 2813.2
 VOL 3 : 1649 PSIA 3 : 2773.2 SHUT-IN PR= 3033.2
 VOL 4 : 2129 PSIA 4 : 2413.2
 PCR : 675
 TCR : 350
 n = 0.499
 Pc2-Pw2 = 109.7 Pw2 = 9090.6
 1244.1 7956.2
 1418.3 7782.0
 3227.1 5973.2

Pc2/(Pc2-Pw2) = 83.845

7.395

6.487

2.851

[Pc2/(Pc2-Pw2)]n = 9.116

2.714

2.542

1.687

AOF= 5.224

3.034

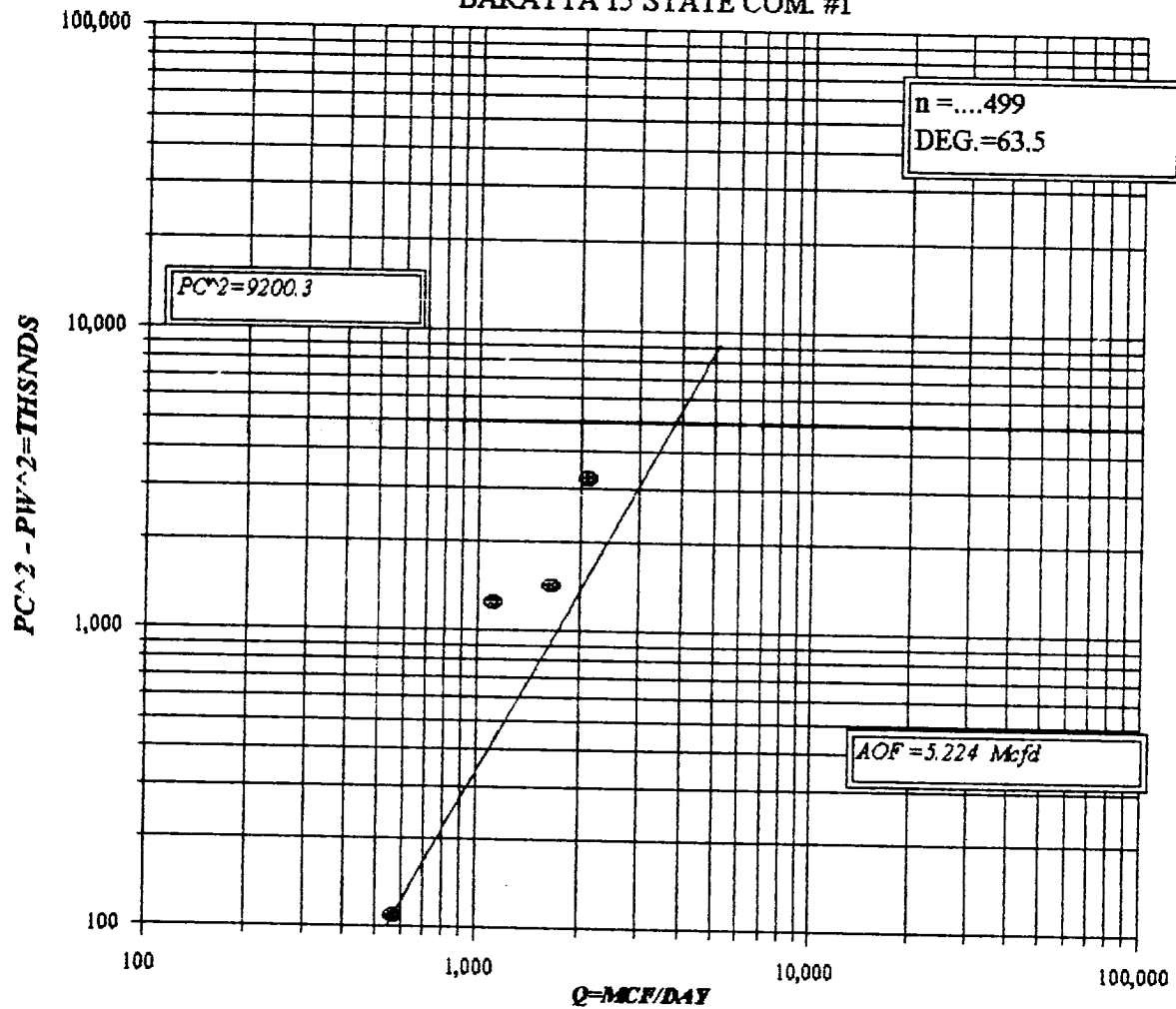
4.192

3.591

FORM C122-D

LINE	RATE 1	RATE 2	RATE 3	RATE 4
	1ST	2ND	1ST	2ND
1 QM	0.573	0.573	1.118	1.118
2 TW	534	534	534	534
3 Ts	649.6	649.6	649.6	649.6
4 T	591.8	591.8	591.8	591.8
PR (est)	4.46	4.17	4.11	3.58
5 Z(est)	0.849	0.866	0.844	0.856
6 TZ	502.5	512.3	499.4	506.8
7 GH/TZ	13.484	13.227	13.568	13.370
8 es	1.658	1.642	1.663	1.651
9 l-e-S	0.397	0.391	0.399	0.394
10 Pt	3013.2	3013.2	2813.2	2773.2
11 P12 /1000	9079.4	9079.4	7914.1	7690.6
12 Fr	0.018231	0.018231	0.018231	0.018231
13 Fc=FrTZ	9.161	9.339	9.105	9.239
14 Fc0m	5.25	5.35	10.18	10.33
15 L/H(Fc0m)	27.6	28.6	103.6	106.7
16 Fw	10.93679	11.19865	41.31951	42.07347
17 Pw2	9090.3	9090.6	7955.4	7956.2
18 Ps2	15072.5	14928.4	13232.2	13135.6
19 Ps	3882.3	3863.7	3637.6	3624.3
20 P	3447.3	3438.5	3225.4	3218.8
21 Pr	5.11	5.09	4.78	4.77
22 Tr	1.69	1.69	1.69	1.69
23 Z	0.366	0.865	0.856	0.855

PENWELL ENERGY
BARATTA 15 STATE COM. #1



**Laboratory Services, Inc.**

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Attention: Mr. Lane Thorp
P. O. Box 791
Hobbs, New Mexico 88240

SAMPLE
IDENTIFICATION: Baratta 15 State Com #1
COMPANY: Penwell Energy Corporation
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 1/9/98 2:30PM
ANALYSIS DATE: 1/10/98
PRESSURE - PSIG 180
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Lane Thorp
ANALYSIS BY: Rolland Perry

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.279	
Carbon Dioxide (CO2)	1.424	
Methane (C1)	95.667	
Ethane (C2)	2.181	0.582
Propane (C3)	0.277	0.076
I-Butane (IC4)	0.037	0.012
N-Butane (NC4)	0.030	0.009
I-Pentane (IC5)	0.014	0.005
N-Pentane (NC5)	0.012	0.004
Hexane Plus (C6+)	0.079	0.032
	100.000	0.720

BTU/CU.FT. - DRY 1019
AT 14.650 DRY 1016
AT 14.650 WET 998
AT 14.73 DRY 1021
AT 14.73 WET 1003

MOLECULAR WT. 16.9536

SPECIFIC GRAVITY -
CALCULATED 0.586
MEASURED