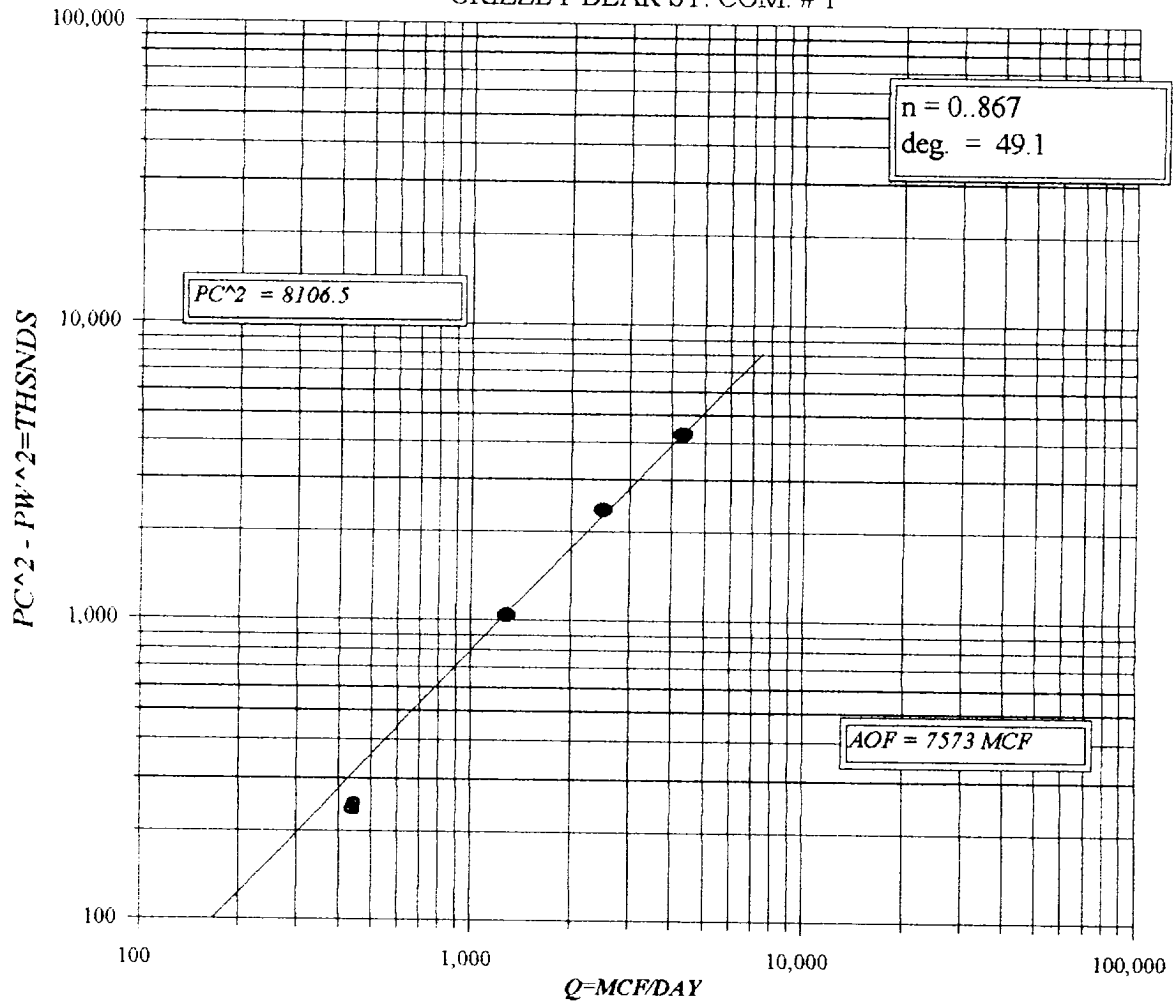


MURCHISON OIL & GAS INC
GRIZZLY BEAR ST. COM. # 1



0 COMPANY : MURCHISON O & G INC LEASE : GP " " " LY B. ST COM WELL NO. : 1
 UNIT : 0 SECTION : 1 TOWNSHIP : 17
 L : 10270 H : 10270 L/H : 1 G/GMIX : 0.737
 %CO2 : 1.17 %N2 : 0.754 H2S : DATE : 11-01-02
 d : 2.441 Fr : 0.010763 GH : 7569.0 RANGE : 28
 Pc = 2847.2 Pc2 = 8106.5 *

VOL 1 : 441 PSIA 1 : 2803.2 RESV.TEMP 176.7
 VOL 2 : 1286 PSIA 2 : 2655.2
 VOL 3 : 2497 PSIA 3 : 2383.2 SHUT-IN PR= 2847.2
 VOL 4 : 4330 PSIA 4 : 1913.2
 PCR : 668
 TCR : 401
 n = 0.867 ✓

LINE	RATE 1		RATE 2		RATE 3		RATE 4		
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	
1 QM	0.441	0.441	1.286	1.286	2.497	2.497	4.330	4.330	
2 TW	534	534	534	534	534	534	534	534	
3 Ts	636.7	636.7	636.7	636.7	636.7	636.7	636.7	636.7	
4 T	585.4	585.4	585.4	585.4	585.4	585.4	585.4	585.4	
PR (est)	4.20		3.97		3.57		2.86		
5 Z(est)	0.742	0.774	0.736	0.763	0.730	0.745	0.736	0.730	
6 TZ	434.5	453.3	431.1	446.5	427.3	436.1	431.1	427.0	
7 GH/TZ	17.421	16.699	17.559	16.952	17.711	17.357	17.558	17.724	
8 eS	1.922	1.870	1.932	1.888	1.943	1.917	1.932	1.944	
9 l-e-S	0.480	0.465	0.482	0.470	0.485	0.478	0.482	0.486	
10 Pt	2803.2	2803.2	2655.2	2655.2	2383.2	2383.2	1913.2	1913.2	
11 Pt2 /1000	7857.9	7857.9	7050.1	7050.1	5679.6	5679.6	3660.3	3660.3	
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	
13 Fc=FrTZ	4.676	4.879	4.640	4.806	4.600	4.694	4.640	4.596	
14 FcQm	2.06	2.15	5.97	6.18	11.49	11.72	20.09	19.90	
15 L/R(FcQm)	4.3	4.6	35.6	38.2	131.9	137.4	403.6	396.1	
16 Fw	2.040034	2.154149	17.17116	17.96771	64.01689	65.71275	194.6811	192.32283	
17 Pw2	7860.0	7860.1	7067.3	7068.1	5743.7	5745.4	3855.0	3852.7	
18 Ps2	15105.4	14702.2	13652.7	13346.9	11159.3	11015.2	7446.9	7488.9	
19 Ps	3886.6	3834.3	3695.0	3653.3	3340.6	3318.9	2728.9	2736.6	
20 P	3344.9	3318.8	3175.1	3154.3	2861.9	2851.1	2321.1	2324.9	
21 Pr	5.01	4.97	4.75	4.72	4.28	4.27	3.47	3.48	
22 Tr	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	
23 Z	0.774	0.773	0.763	0.761	0.745	0.744	0.730	0.730	

Pt2 = 7857.9 Pw = 2803.6 *
 7050.1 2658.6 *
 5679.6 2396.9 *
 3660.3 1962.8 *
 Pc2-Pw2= 246.5 Pw2 = 7860.1 *
 1038.5 7068.1 *
 2361.2 5745.4 *
 4253.9 3852.7 *
 Pc2/(Pc2-Pw2) = 32.891
 7.806
 3.433
 1.906 ✓
 [Pc2/Pc2-Pw2]n = 20.669
 5.939
 2.914
 1.749 ✓
 AOF= Q 9.115
 7.638
 7.276
 7.573 ✓
 FORM C122-D

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

NO. OF BBLs PRODUCED = 5.8

API GRAVITY @ 60 DEG. = 51.2

.....
SPECIFIC GRAVITY OF GAS = 0.6880

XX

TOTAL GAS PRODUCED = 356

G.O.R. = 61.451

G.MIX = 0.737



Laboratory Services, Inc.

4016 Fiesta 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:
IDENTIFICATION: Grizzly Bear St. Com. #1
COMPANY: Murchison Oil & Gas
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 11/1/02
ANALYSIS DATE: 11/4/02
PRESSURE - PSIG
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Donnie Dickerson
ANALYSIS BY: Vickie Biggs

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.758	
Carbon Dioxide (CO2)	1.170	
Methane (C1)	83.148	
Ethane (C2)	8.921	2.380
Propane (C3)	3.798	1.044
I-Butane (IC4)	0.386	0.126
N-Butane (NC4)	0.903	0.284
I-Pentane (IC5)	0.179	0.065
N-Pentane (NC5)	0.175	0.063
Hexane Plus (C6+)	0.562	0.244
	100.000	4.206

BTU/CU.FT. - DRY 1176
AT 14.650 DRY 1173
AT 14.650 WET 1152
AT 14.73 DRY 1179
AT 14.73 WET 1159

MOLECULAR WT. 19.9460

SPECIFIC GRAVITY -
CALCULATED 0.688
MEASURED