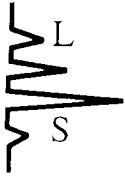


UNIT : I SECTION 22 WELL NO. : 4 Pc = 1287.2 Pc2 = 1656.9 *
 L : 9350 H : 9350 TOWNSHIP : 17 Pt2 = 1525.7 Pw = 1235.4 *
 %CO2 : 2.963 %N2 : 0.395 L/H : 1 G/GMIX : 0.652 DATE : 6-14-00 1316.1 1148.0 *
 d : 1.995 Fr : 0.018231 GH : 6096.2 RANGE : 27 1086.2 1044.1 *
 826.6 912.8 *

VOL 1 : 118 PSIA 1 : 1235.2 RESV.TEMP 150.8 Pc2-Pw2= 130.8 Pw2 = 1526.1 *
 VOL 2 : 257 PSIA 2 : 1147.2 338.9 1317.9 *
 VOL 3 : 368 PSIA 3 : 1042.2 SHUT-IN PR= 1287.2 566.8 1090.1 *
 VOL 4 : 469 PSIA 4 : 909.2 823.8 833.1 *
 PCR : 678 n = 0.675 *
 TCR : 372

LINE	RATE 1		RATE 2		RATE 3		RATE 4			
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND		
1	QM	0.118	0.118	0.257	0.257	0.368	0.368	0.469	0.469	
2	TW	534	534	534	534	534	534	534	534	
3	Ts	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	[Pc2/Pc2-Pw2]n = 5.555
4	T	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	2.920
	PR (est)	1.82		1.69		1.54		1.34		2.063
5	Z(est)	0.828	0.813	0.837	0.822	0.847	0.833	0.862	0.849	1.602
6	TZ	474.0	465.5	478.9	470.5	485.0	476.9	493.3	485.8	
7	GE/TZ	12.861	13.096	12.730	12.957	12.568	12.782	12.357	12.549	AOF= Q 0.656
8	eS	1.620	1.634	1.612	1.626	1.602	1.615	1.589	1.601	0.750
9	l-e-S	0.383	0.388	0.380	0.385	0.376	0.381	0.371	0.375	0.759
10	Pt	1235.2	1235.2	1147.2	1147.2	1042.2	1042.2	909.2	909.2	0.751
11	Pt2 /1000	1525.7	1525.7	1316.1	1316.1	1086.2	1086.2	826.6	826.6	
12	Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	
13	Fc=FrTZ	8.642	8.487	8.731	8.577	8.843	8.695	8.994	8.856	
14	FcQm	1.02	1.00	2.24	2.20	3.25	3.20	4.22	4.15	
15	L/H(FcQm)	1.0	1.0	5.0	4.9	10.6	10.2	17.8	17.3	
16	Fw	0.397872	0.389155	1.911054	1.870170	3.979885	3.898833	6.598717	6.4762571	
17	Pw2	1526.1	1526.1	1318.0	1317.9	1090.2	1090.1	833.2	833.1	
18	Ps2	2472.0	2493.8	2124.4	2142.5	1746.5	1760.5	1324.4	1333.8	
19	Ps	1572.2	1579.2	1457.5	1463.7	1321.6	1326.8	1150.8	1154.9	
20	P	1403.7	1407.2	1302.4	1305.5	1181.9	1184.5	1030.0	1032.0	
21	Pr	2.07	2.08	1.92	1.93	1.74	1.75	1.52	1.52	
22	Tr	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	
23	Z	0.813	0.813	0.822	0.822	0.833	0.833	0.849	0.848	



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: Maralo Fed. #4
COMPANY: Murchison Oil & Gas Inc.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 6/14/00
ANALYSIS DATE: 6/15/00
PRESSURE - PSIG
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: JSI
ANALYSIS BY: Vickie Walker

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.395	
Carbon Dioxide (CO2)	2.963	
Methane (C1)	87.894	
Ethane (C2)	5.612	1.497
Propane (C3)	1.933	0.531
I-Butane (IC4)	0.238	0.078
N-Butane (NC4)	0.424	0.133
I-Pentane (IC5)	0.124	0.045
N-Pentane (NC5)	0.112	0.040
Hexane Plus (C6+)	<u>0.305</u>	<u>0.125</u>
	100.000	2.449
BTU/CU.FT. - DRY	1081	MOLECULAR WT. 18.8707
AT 14.650 DRY	1078	
AT 14.650 WET	1059	
AT 14.73 DRY	1084	
AT 14.73 WET	1065	
SPECIFIC GRAVITY -		
CALCULATED	0.652	
MEASURED		