COMPANY :MURCHISON O & G INC. LEASE : WILLIS FED. WELL NO. : 2

UNIT : P SECTION 28 TOWNSHIP : 17

L : 9277 H : 9277 L/H : 1 G/GMIX : 0.663

%CO2 : 4.841 %N2 : 0.334 H2S : DATE :6-14-00

d : 1.995 Fr :0.018231 GH : 6150.7 RANGE : 27

VOL 1 : 148 PSIA 1 : 1801.2

VOL 2 : 299 PSIA 2 : 1705.2

VOL 3 : 438 PSIA 3 : 1552.2

VOL 4 : 599 PSIA 4 : 1358.2

RESV.TEMP 149.1

SHUT-IN PR= 1868.2

PCR : 687

TCR : 371

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	`1ST	`2ND	`1ST	``2ND	`1ST	`2ND	`1ST	`2ND
1 QM	0.148	0.148	0.299	0.299	0.438	0.438	0.599	0.599
2 TW	534	534	534	534	534	534	534	534
3 Ts	609.1	609.1	609.1	609.1	609.1	609.1	609.1	609.1
4 T	571.6	571.6	571.6	571.6	571.6	571.6	571.6	571.6
PR (est)	2.62		2.48		2.26		1.98	
5 Z(est)	0.789	0.779	0.794	0.783	0.804	0.791	0.819	0.804
6 TZ	451.1	445.3	454.0	447.3	459.6	451.8	468.3	459.7
7 GH/TZ	13.636	13.812	13.547	13.750	13.381	13.613	13.134	13.379
8 eS	1.668	1.679	1.662	1.675	1.652	1.666	1.636	1.652
9 1-e-S	0.400	0.404	0.398	0.403	0.395	0.400	0.389	0.395
10 Pt	1801.2	1801.2	1705.2	1705.2	1552.2	1552.2	1358.2	1358.2
11 Pt2 /1000	3244.3	3244.3	2907.7	2907.7	2409.3	2409.3	1844.7	1844.7
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.0182311
13 Fc=FrTZ	8.223	8.118	8.277	8.155	8.380	8.237	8.538	8.381
14 FcQm	1.22	1.20	2.47	2.44	3.67	3.61	5.11	5.02
15 L/H(FcQm)	1.5	1.4	6.1	5.9	13.5	13.0	26.2	25.2
16 Fw	0.592954	0.583626	2.439718	2.395463	5.315351	5.204319	10.17141	9.9432914
17 Pw2	3244.9	3244.9	2910.1	2910.1	2414.6	2414.5	1854.9	1854.7
18 Ps2	5411.0	5446.9	4836.7	4873.4	3988.2	4022.8	3035.4	3063.0
19 Ps	2326.2	2333.9	2199.2	2207.6	1997.1	2005.7	1742.2	1750.2
20 P	2063.7	2067.5	1952.2	1956.4	1774.6	1778.9	1550.2	1554.2
21 Pr	3.00	3.01	2.84	2.85	2.58	2.59	2.26	2.26
22 Tr	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
23 Z	0.779	0.779	0.783	0.783	0.791	0.790	0.804	0.804

Pc = 1868.2 Pc2 = 3490.2

Pt2 = 3244.3 Pw = 1801.4

2907.7 1705.9

2409.3 1553.9

1844.7 1361.9

Pc2-Pw2= 245.3 Pw2 = 3244.9

580.1 2910.1

1075.6 2414.5

1635.5 1854.7

n = 0.726

Pc2/(Pc2-Pw2) = 14.230

6.017

3.245

2.134

[Pc2/Pc2-Pw2]n = 6.880

3.682

2.351

1.734

AOF= Q 1.018

1.101

1.030

1.039

FORM C122-D