

OIL SHALE ASSAY
for
GULF MINERAL RESOURCES COMPANY
BZ-34

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE NO. 1

GULF MINERAL RESOURCES CO.
BZ-34

FORMATION :
DLG. FLUID :
LOCATION :
STATE :

DATE : 10-05-82
FILE NO. : 3808-05-514
ANALYSTS : TR, EW, CM
ELEVATION:

OIL SHALE ASSAY

SAMPLE NO.	DEPTH		ASTM D 3904-80							TENDENCY TO COKE	
			OIL GAL/TON	OIL WT. %	WATER GAL/TON	WATER WT. %	OIL GRAV.	SHALE WT. %	GAS PLUS LOSS WT. %		
1.	40.0	-41.0	19.7	7.6	5.7	2.4	0.922	88.8	1.2	NIL	(NONE)
2.	41.0	-42.0	19.4	7.5	3.8	1.6	0.926	89.9	1.1	NIL	(NONE)
3.	42.0	-43.0	10.7	4.2	3.1	1.3	0.943	93.5	1.0	NIL	(NONE)
4.	43.0	-44.0	7.0	2.8	3.8	1.6	0.941	94.9	0.8	NIL	(NONE)
5.	44.0	-45.0	7.4	2.9	3.6	1.5	0.938	94.8	0.8	NIL	(NONE)
6.	45.0	-46.0	8.3	3.3	2.2	0.9	0.942	93.2	2.6	NIL	(NONE)
7.	46.0	-47.0	7.1	2.8	4.6	1.9	0.945	94.5	0.8	NIL	(NONE)
8.	47.0	-48.0	6.8	2.7	4.4	1.8	0.941	94.5	1.0	NIL	(NONE)
9.	48.0	-49.0	7.3	2.9	5.0	2.1	0.946	94.0	1.0	NIL	(NONE)
10.	49.0	-50.0	5.0	2.0	5.1	2.1	0.942	95.2	0.7	NIL	(NONE)
11.	50.0	-51.0	12.9	5.1	3.4	1.4	0.944	92.1	1.4	NIL	(NONE)
12.	51.0	-52.0	8.4	3.3	3.1	1.3	0.940	94.4	1.0	NIL	(NONE)
13.	52.0	-53.0	7.9	3.1	2.9	1.2	0.944	94.6	1.1	NIL	(NONE)
14.	53.0	-54.0	29.3	11.5	3.9	1.6	0.941	84.0	2.9	NIL	(NONE)
15.	54.0	-55.0	13.8	5.5	3.5	1.5	0.945	91.7	1.4	NIL	(NONE)
16.	55.0	-56.0	11.5	4.5	3.1	1.3	0.947	92.3	1.9	NIL	(NONE)
17.	56.0	-57.0	12.2	4.8	3.2	1.3	0.943	92.5	1.4	NIL	(NONE)
18.	57.0	-58.0	18.9	7.4	2.1	0.9	0.934	89.1	2.6	NIL	(NONE)
19.	58.0	-59.0	17.0	6.6	3.3	1.4	0.936	90.2	1.8	NIL	(NONE)
20.	59.0	-60.0	12.9	5.0	2.8	1.2	0.934	92.3	1.5	NIL	(NONE)
21.	60.0	-61.0	34.1	13.3	6.0	2.5	0.935	79.9	4.3	NIL	(NONE)
22.	61.0	-62.0	11.5	4.5	3.8	1.6	0.936	91.9	2.0	NIL	(NONE)
23.	62.0	-63.0	4.8	1.8	4.7	1.9	0.920	95.0	1.3	NIL	(NONE)
24.	63.0	-64.0	4.0	1.5	5.8	2.4	0.920	94.8	1.3	NIL	(NONE)
25.	64.0	-65.0	2.3	0.9	7.3	3.1	0.920	94.7	1.4	NIL	(NONE)

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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GULF MINERAL RESOURCES CO.
BZ-34

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ANALYSTS : TB,EW,CM
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OIL SHALE ASSAY

ASTM D 3904-80

SAMPLE NO.	DEPTH	OIL GAL/TON	OIL WT.%	WATER GAL/TON	WATER WT.%	OIL GRAY.	SHALE WT.%	GAS PLUS LOSS WT.%	TENDENCY TO COKE
26.	65.0 -66.0	5.8	2.2	8.1	3.4	0.920	93.0	1.4	NIL (NONE)
27.	66.0 -67.0	3.4	1.3	8.3	3.5	0.920	93.8	1.4	NIL (NONE)
28.	67.0 -68.0	3.4	1.3	6.5	2.7	0.920	94.8	1.2	NIL (NONE)
29.	68.0 -69.0	2.0	0.8	4.9	2.0	0.920	95.8	1.4	NIL (NONE)
30.	69.0 -70.0	1.9	0.7	7.1	2.9	0.920	94.4	1.9	NIL (NONE)
31.	70.0 -71.0	1.8	0.7	6.9	2.9	0.920	95.1	1.3	NIL (NONE)
32.	71.0 -72.0	4.9	1.9	6.3	2.6	0.920	94.2	1.2	NIL (NONE)
33.	72.0 -73.0	16.4	6.3	6.5	2.7	0.928	88.5	2.4	NIL (NONE)
34.	73.0 -74.0	9.8	3.8	4.8	2.0	0.934	92.1	2.0	NIL (NONE)
35.	74.0 -75.0	27.3	10.7	6.5	2.7	0.939	83.4	3.2	NIL (NONE)
36.	75.0 -76.0	13.3	5.2	5.5	2.3	0.942	90.4	2.1	NIL (NONE)
37.	76.0 -77.0	12.3	4.8	4.0	1.7	0.941	91.6	1.9	NIL (NONE)
38.	77.0 -78.0	12.6	5.0	5.7	2.4	0.941	91.0	1.7	NIL (NONE)
39.	78.0 -79.0	29.5	11.5	5.0	2.1	0.933	83.3	3.2	NIL (NONE)
40.	79.0 -80.0	20.8	8.1	3.8	1.6	0.930	88.0	2.3	NIL (NONE)
41.	80.0 -81.0	41.2	15.8	4.1	1.7	0.919	79.1	3.3	NIL (NONE)
42.	81.0 -82.0	34.8	13.4	4.7	2.0	0.923	82.2	2.4	NIL (NONE)
43.	82.0 -83.0	18.8	7.2	4.4	1.9	0.919	89.0	1.9	NIL (NONE)
44.	83.0 -84.0	15.4	5.9	4.3	1.8	0.924	90.4	1.8	NIL (NONE)
45.	84.0 -85.0	9.5	3.7	3.6	1.5	0.923	93.5	1.3	NIL (NONE)
46.	85.0 -86.0	19.3	7.4	5.0	2.1	0.925	88.4	2.0	NIL (NONE)
47.	86.0 -87.0	14.7	5.7	4.2	1.8	0.926	91.1	1.5	NIL (NONE)
48.	87.0 -88.0	10.4	4.0	3.8	1.6	0.925	93.1	1.3	NIL (NONE)
49.	88.0 -89.0	11.4	4.4	4.2	1.7	0.927	92.0	1.9	NIL (NONE)
50.	89.0 -90.0	11.0	4.3	7.8	3.3	0.930	91.0	1.5	NIL (NONE)

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Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 3

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OIL SHALE ASSAY

ASTM D 3904-80

SAMPLE NO.	DEPTH	OIL GAL/TON	OIL WT.%	WATER GAL/TON	WATER WT.%	OIL GRAV.	SHALE WT.%	GAS PLUS LOSS WT.%	TENDENCY TO COKE
51.	90.0 -91.0	9.0	3.5	5.2	2.2	0.937	92.9	1.3	NIL (NONE)
52.	91.0 -92.0	6.7	2.6	3.5	1.5	0.933	93.9	2.0	NIL (NONE)
53.	92.0 -93.0	14.4	5.6	3.5	1.5	0.928	91.7	1.3	NIL (NONE)
54.	93.0 -94.0	36.2	14.0	6.3	2.6	0.929	80.3	3.1	NIL (NONE)
55.	94.0 -95.0	18.5	7.2	3.8	1.6	0.927	86.5	4.8	NIL (NONE)
56.	95.0 -96.0	16.9	6.5	3.9	1.6	0.926	90.0	1.8	NIL (NONE)
57.	96.0 -97.0	20.0	7.8	3.2	1.4	0.928	88.8	2.1	NIL (NONE)
58.	97.0 -98.0	30.1	11.6	3.0	1.2	0.925	84.5	2.7	NIL (NONE)
59.	98.0 -99.0	57.3	22.1	4.6	1.9	0.924	69.5	6.5	SLIGHT
60.	99.0 -100.0	44.3	17.1	5.0	2.1	0.925	72.9	7.9	MEDIUM
61.	100.0 -101.0	76.1	29.3	9.0	3.8	0.922	57.5	9.5	SLIGHT
62.	101.0 -102.0	56.0	21.5	7.0	2.9	0.920	69.5	6.1	SLIGHT
63.	102.0 -103.0	36.5	13.8	3.9	1.6	0.910	80.5	4.0	NIL (NONE)
64.	103.0 -104.0	46.3	17.8	5.0	2.1	0.921	76.1	4.0	NIL (NONE)
65.	104.0 -105.0	18.5	7.2	4.0	1.7	0.938	88.8	2.3	NIL (NONE)
66.	105.0 -106.0	17.4	6.8	5.1	2.1	0.934	89.1	2.0	NIL (NONE)
67.	106.0 -107.0	39.4	15.4	4.8	2.0	0.936	78.8	3.8	NIL (NONE)
68.	107.0 -108.0	16.0	6.2	3.3	1.4	0.934	90.6	1.8	NIL (NONE)
69.	108.0 -109.0	14.9	5.8	3.2	1.3	0.938	91.0	1.8	NIL (NONE)
70.	109.0 -110.0	43.4	16.9	4.0	1.7	0.933	77.2	4.2	NIL (NONE)
71.	110.0 -111.0	44.5	17.1	6.1	2.5	0.924	76.9	3.4	NIL (NONE)
72.	111.0 -112.0	19.7	7.6	3.5	1.4	0.921	89.3	1.7	NIL (NONE)
73.	112.0 -113.0	34.6	13.3	4.7	2.0	0.923	81.8	2.9	NIL (NONE)
74.	113.0 -114.0	15.2	5.9	5.3	2.2	0.925	90.0	1.9	NIL (NONE)
75.	114.0 -115.0	12.8	4.9	5.6	2.3	0.926	91.3	1.5	NIL (NONE)

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OIL SHALE ASSAY

ASTM D 3904-80

SAMPLE NO.	DEPTH	OIL GAL/TON	OIL WT. %	WATER GAL/TON	WATER WT. %	OIL GRAV.	SHALE WT. %	GAS PLUS LOSS WT. %	TENDENCY TO COKE
76.	115.0 -116.0	41.9	16.1	5.8	2.4	0.920	78.0	3.6	NIL (NONE)
77.	116.0 -117.0	20.5	7.9	3.7	1.5	0.918	88.3	2.3	NIL (NONE)
78.	117.0 -118.0	6.4	2.4	5.2	2.2	0.919	94.3	1.1	NIL (NONE)
79.	118.0 -119.0	9.6	3.7	4.6	1.9	0.923	93.2	1.2	NIL (NONE)
80.	119.0 -120.0	14.0	5.4	2.8	1.2	0.925	92.0	1.4	NIL (NONE)
81.	120.0 -121.0	21.2	8.1	2.3	0.9	0.918	88.8	2.1	NIL (NONE)
82.	121.0 -122.0	25.3	9.7	4.2	1.8	0.921	86.2	2.3	NIL (NONE)
83.	122.0 -123.0	27.4	10.5	3.6	1.5	0.920	85.3	2.7	NIL (NONE)
84.	123.0 -124.0	13.7	5.3	3.2	1.3	0.925	91.6	1.8	NIL (NONE)
85.	124.0 -125.0	9.9	3.8	3.5	1.5	0.924	93.4	1.3	NIL (NONE)
86.	125.0 -126.0	11.7	4.5	6.1	2.5	0.925	91.3	1.6	NIL (NONE)
87.	126.0 -127.0	19.4	7.5	5.1	2.1	0.923	88.1	2.3	NIL (NONE)
88.	127.0 -128.0	8.0	3.1	4.1	1.7	0.926	93.8	1.4	NIL (NONE)
89.	128.0 -129.0	4.3	1.7	3.6	1.5	0.927	95.4	1.5	NIL (NONE)
90.	129.0 -130.0	4.4	1.7	5.2	2.2	0.925	95.1	1.1	NIL (NONE)
91.	130.0 -131.0	11.1	4.3	4.1	1.7	0.922	92.6	1.4	NIL (NONE)
92.	131.0 -132.0	3.5	1.3	6.7	2.8	0.920	93.5	2.4	NIL (NONE)
93.	132.0 -133.0	24.5	9.5	3.9	1.6	0.926	87.1	1.8	NIL (NONE)
94.	133.0 -134.0	7.0	2.7	5.1	2.1	0.928	93.8	1.4	NIL (NONE)
95.	134.0 -135.0	20.6	8.0	4.7	2.0	0.930	87.9	2.1	NIL (NONE)
96.	135.0 -136.0	3.8	1.5	4.6	1.9	0.920	95.8	0.8	NIL (NONE)
97.	136.0 -137.0	6.7	2.6	1.5	0.6	0.930	95.6	1.2	NIL (NONE)
98.	137.0 -138.0	5.4	2.1	7.4	3.1	0.920	93.7	1.2	NIL (NONE)
99.	138.0 -139.0	3.9	1.5	10.3	4.3	0.920	93.5	0.8	NIL (NONE)
100.	139.0 -140.0	2.4	0.9	2.9	1.2	0.920	97.3	0.5	NIL (NONE)

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DALLAS, TEXAS

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OIL SHALE ASSAY

ASTM D 3904-80

SAMPLE NO.	DEPTH	OIL GAL/TON	OIL WT. %	WATER GAL/TON	WATER WT. %	OIL GRAV.	SHALE WT. %	GAS PLUS LOSS WT. %	TENDENCY TO COKE
101.	140.0 -141.0	3.2	1.2	3.5	1.5	0.920	96.4	0.9	NIL (NONE)
102.	141.0 -142.0	4.1	1.6	3.0	1.3	0.920	96.2	1.0	NIL (NONE)
103.	142.0 -143.0	3.3	1.3	2.8	1.2	0.920	96.5	1.1	NIL (NONE)
104.	143.0 -144.0	1.0	0.4	2.8	1.2	0.920	97.7	0.7	NIL (NONE)
105.	144.0 -145.0	2.2	0.8	4.0	1.7	0.920	96.6	0.9	NIL (NONE)
106.	145.0 -146.0	1.0	0.4	4.7	2.0	0.920	96.9	0.8	NIL (NONE)
107.	146.0 -147.0	8.1	3.1	4.7	2.0	0.924	93.6	1.3	NIL (NONE)
108.	147.0 -148.0	5.9	2.3	5.2	2.2	0.927	94.2	1.3	NIL (NONE)
109.	148.0 -149.0	14.7	5.7	3.7	1.6	0.923	90.9	1.9	NIL (NONE)
110.	149.0 -150.0	7.3	2.8	8.3	3.5	0.925	92.1	1.7	NIL (NONE)
111.	150.0 -151.0	8.8	3.4	8.8	3.7	0.926	91.2	1.7	NIL (NONE)
112.	151.0 -152.0	3.9	1.5	7.4	3.1	0.920	94.4	1.0	NIL (NONE)
113.	152.0 -153.0	4.3	1.6	5.4	2.2	0.920	94.8	1.3	NIL (NONE)
114.	153.0 -154.0	4.8	1.8	7.5	3.1	0.920	93.5	1.5	NIL (NONE)
115.	154.0 -155.0	6.4	2.5	7.7	3.2	0.924	92.9	1.5	NIL (NONE)
116.	155.0 -156.0	4.4	1.7	10.5	4.4	0.920	92.4	1.5	NIL (NONE)
117.	156.0 -157.0	4.1	1.6	4.3	1.8	0.920	95.8	0.8	NIL (NONE)
118.	157.0 -158.0	5.0	1.9	7.1	3.0	0.920	93.9	1.3	NIL (NONE)
119.	158.0 -159.0	9.4	3.6	2.8	1.2	0.927	91.4	3.8	NIL (NONE)
120.	159.0 -160.0	10.5	4.1	6.1	2.5	0.928	92.0	1.4	NIL (NONE)
121.	160.0 -161.0	2.2	0.9	5.9	2.5	0.920	95.4	1.3	NIL (NONE)
122.	161.0 -162.0	10.3	4.0	5.4	2.2	0.934	92.3	1.5	NIL (NONE)
123.	162.0 -163.0	23.6	9.2	0.9	0.4	0.930	89.4	1.1	NIL (NONE)
124.	163.0 -164.0	7.7	3.0	1.5	0.6	0.927	95.6	0.8	NIL (NONE)
125.	164.0 -165.0	0.6	0.2	5.3	2.2	0.920	97.0	0.5	NIL (NONE)

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ASTM D 3904-80

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126.	165.0 -166.0	8.5	3.3	0.4	0.2	0.924	92.8	3.8	NIL (NONE)
127.	166.0 -167.0	17.8	6.9	0.4	0.2	0.925	92.0	1.0	NIL (NONE)
128.	167.0 -168.0	22.4	8.7	0.5	0.2	0.929	89.3	1.9	NIL (NONE)
129.	168.0 -169.0	24.3	9.4	0.4	0.2	0.928	88.8	1.6	NIL (NONE)
130.	169.0 -170.0	23.9	9.2	0.4	0.2	0.926	89.1	1.5	NIL (NONE)
131.	170.0 -171.0	21.2	8.1	0.4	0.2	0.922	90.1	1.6	NIL (NONE)
132.	171.0 -172.0	4.8	1.9	6.7	2.8	0.920	94.5	0.8	NIL (NONE)
133.	172.0 -173.0	1.9	0.7	7.5	3.1	0.920	95.3	0.8	NIL (NONE)
134.	173.0 -174.0	1.2	0.5	8.8	3.7	0.920	94.6	1.2	NIL (NONE)
135.	174.0 -175.0	0.3	0.1	11.0	4.6	0.920	94.6	0.7	NIL (NONE)
136.	175.0 -176.0	0.4	0.2	11.9	5.0	0.920	93.6	1.3	NIL (NONE)
137.	176.0 -177.0	0.5	0.2	4.8	2.0	0.920	96.4	1.4	NIL (NONE)
138.	177.0 -178.0	0.8	0.3	7.1	3.0	0.920	95.4	1.4	NIL (NONE)
139.	178.0 -179.0	0.6	0.2	4.9	2.0	0.920	97.1	0.6	NIL (NONE)
140.	179.0 -180.0	0.9	0.3	5.6	2.3	0.920	92.8	4.5	NIL (NONE)
141.	180.0 -181.0	0.7	0.3	5.3	2.2	0.920	96.4	1.1	NIL (NONE)
142.	181.0 -182.0	0.5	0.2	9.5	4.0	0.920	95.4	0.4	NIL (NONE)
143.	182.0 -183.0	0.8	0.3	9.2	3.8	0.920	95.3	0.6	NIL (NONE)
144.	183.0 -184.0	0.4	0.2	5.2	2.2	0.920	96.7	0.9	NIL (NONE)
145.	184.0 -185.0	0.8	0.3	10.1	4.2	0.920	94.4	1.0	NIL (NONE)
146.	185.0 -186.0	0.9	0.3	10.4	4.3	0.920	94.6	0.7	NIL (NONE)
147.	186.0 -187.0	0.9	0.4	8.0	3.3	0.920	95.8	0.5	NIL (NONE)
148.	188.2 -189.0	0.6	0.2	10.4	4.4	0.920	94.4	1.0	NIL (NONE)
149.	189.0 -190.0	0.9	0.3	9.4	3.9	0.920	95.0	0.8	NIL (NONE)
150.	190.0 -191.0	0.8	0.3	14.1	5.9	0.920	93.4	0.5	NIL (NONE)

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE NO. 7

GULF MINERAL RESOURCES CO.
BZ-34

FORMATION :
DLG. FLUID :
LOCATION :
STATE :

DATE : 10-05-82
FILE NO. : 3808-OS-514
ANALYSTS : TB,EW,CM
ELEVATION:

OIL SHALE ASSAY

ASTM D 3904-80

SAMPLE NO.	DEPTH	OIL GAL/TON	OIL WT.%	WATER GAL/TON	WATER WT.%	OIL GRAV.	SHALE WT.%	GAS PLUS LOSS WT.%	TENDENCY TO COKE
151.	191.0 -192.0	0.7	0.3	14.3	6.0	0.920	92.9	0.9	NIL (NONE)
152.	192.0 -193.0	0.7	0.3	12.9	5.4	0.920	93.5	0.8	NIL (NONE)
153.	193.0 -194.0	0.7	0.3	12.6	5.2	0.920	93.9	0.6	NIL (NONE)
154.	194.0 -195.0	0.6	0.2	11.7	4.9	0.920	94.5	0.4	NIL (NONE)
155.	195.0 -196.0	0.8	0.3	11.0	4.6	0.920	94.1	1.0	NIL (NONE)
156.	196.0 -197.0	0.8	0.3	11.2	4.7	0.920	94.2	0.9	NIL (NONE)
157.	197.0 -198.0	0.8	0.3	2.0	0.8	0.920	98.3	0.5	NIL (NONE)
158.	198.0 -199.0	0.6	0.2	6.7	2.8	0.920	96.6	0.3	NIL (NONE)
159.	199.0 -200.0	0.8	0.3	10.5	4.4	0.920	94.7	0.7	NIL (NONE)
160.	200.0 -201.0	0.7	0.3	8.5	3.6	0.920	95.2	0.9	NIL (NONE)
161.	201.0 -202.0	1.0	0.4	9.2	3.8	0.920	95.0	0.7	NIL (NONE)
162.	202.0 -203.0	0.4	0.2	8.0	3.4	0.920	96.1	0.4	NIL (NONE)
163.	203.0 -204.0	1.2	0.4	6.3	2.6	0.920	96.3	0.6	NIL (NONE)
164.	204.0 -205.0	0.7	0.3	7.4	3.1	0.920	96.1	0.5	NIL (NONE)
165.	205.0 -206.0	0.5	0.2	13.1	5.5	0.920	93.8	0.6	NIL (NONE)
166.	206.0 -207.0	0.6	0.2	13.6	5.7	0.920	93.7	0.5	NIL (NONE)
167.	207.0 -208.0	0.9	0.4	12.5	5.2	0.920	93.3	1.1	NIL (NONE)
168.	208.0 -209.0	0.6	0.2	9.4	3.9	0.920	94.9	0.9	NIL (NONE)
169.	209.0 -210.0	0.8	0.3	9.9	4.1	0.920	94.5	1.1	NIL (NONE)
170.	210.0 -211.0	1.0	0.4	10.7	4.5	0.920	94.0	1.2	NIL (NONE)
171.	211.0 -212.0	0.5	0.2	15.8	6.6	0.920	92.7	0.6	NIL (NONE)
172.	212.0 -213.0	0.4	0.2	12.4	5.2	0.920	93.6	1.1	NIL (NONE)
173.	213.0 -214.0	0.9	0.4	11.2	4.7	0.920	94.6	0.4	NIL (NONE)
174.	214.0 -215.0	0.3	0.1	14.0	5.9	0.920	93.1	0.9	NIL (NONE)
175.	215.0 -216.0	3.2	1.2	8.1	3.4	0.920	94.5	0.9	NIL (NONE)

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 8

GULF MINERAL RESOURCES CO.
 BZ-34

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 ANALYSTS : TB,EW,CM
 ELEVATION:

OIL SHALE ASSAY

ASTM D 3904-80

SAMPLE NO.	DEPTH	OIL GAL/TON	OIL WT.%	WATER GAL/TON	WATER WT.%	OIL GRAV.	SHALE WT.%	GAS PLUS LOSS WT.%	TENDENCY TO COKE
176.	216.0 -217.0	9.4	3.7	7.9	3.3	0.936	92.1	0.9	NIL (NONE)
177.	217.0 -218.0	5.9	2.3	2.7	1.1	0.930	95.8	0.8	NIL (NONE)
178.	218.0 -219.0	21.8	8.5	7.4	3.1	0.934	86.8	1.7	NIL (NONE)
179.	219.0 -220.0	9.0	3.5	5.7	2.4	0.937	93.2	0.9	NIL (NONE)
180.	220.0 -221.0	9.8	3.8	0.3	0.1	0.935	95.1	0.9	NIL (NONE)
181.	221.0 -222.0	1.5	0.6	10.3	4.3	0.920	94.4	0.7	NIL (NONE)
182.	222.0 -223.0	0.9	0.3	9.8	4.1	0.920	95.0	0.6	NIL (NONE)
183.	223.0 -224.0	0.3	0.1	10.2	4.3	0.920	95.0	0.6	NIL (NONE)
184.	224.0 -225.0	2.0	0.8	8.3	3.5	0.920	95.1	0.7	NIL (NONE)
185.	225.0 -226.0	1.1	0.4	10.9	4.5	0.920	94.3	0.7	NIL (NONE)
186.	226.0 -227.0	4.6	1.8	13.5	5.6	0.920	92.0	0.7	NIL (NONE)
187.	227.0 -228.0	3.8	1.5	15.9	6.6	0.920	91.1	0.9	NIL (NONE)
188.	228.0 -229.0	3.2	1.2	14.3	6.0	0.920	92.0	0.8	NIL (NONE)
189.	229.0 -230.0	6.1	2.4	9.3	3.9	0.938	92.7	1.0	NIL (NONE)
190.	230.0 -231.0	12.1	4.7	6.9	2.9	0.936	91.2	1.3	NIL (NONE)
191.	231.0 -232.0	2.7	1.0	15.1	6.3	0.920	92.2	0.5	NIL (NONE)
192.	232.0 -233.0	0.2	0.1	12.7	5.3	0.920	94.4	0.2	NIL (NONE)
193.	233.0 -234.0	2.2	0.8	10.0	4.2	0.920	94.5	0.5	NIL (NONE)
194.	234.0 -235.0	0.8	0.3	14.2	5.9	0.920	93.0	0.8	NIL (NONE)
195.	235.0 -236.0	8.6	3.4	7.7	3.2	0.933	92.8	0.7	NIL (NONE)
196.	236.0 -237.0	4.4	1.7	9.5	4.0	0.920	93.5	0.8	NIL (NONE)
197.	237.0 -238.0	0.8	0.3	9.2	3.8	0.920	95.4	0.5	NIL (NONE)
198.	238.0 -239.0	0.8	0.3	10.0	4.2	0.920	95.2	0.3	NIL (NONE)
199.	239.0 -240.2	10.3	4.0	1.4	0.6	0.937	94.3	1.1	NIL (NONE)

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