

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PRELIMINARY PRINT

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CORE ANALYSIS REPORT

FOR

GULF OIL EXPL. & PROD. CO.

STATE "OB" NO. 6
CAPRITO (DEL.)
WARD COUNTY, TEXAS

CORE LABORATORIES, INC.
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GULF OIL EXPL. & PROD. CO.
 STATE "OB" NO. 6
 CAPRITO (DEL.)
 WARD COUNTY, TEXAS

DATE : 8-3-78
 FORMATION : DELAWARE
 DRLG. FLUID:
 LOCATION : 660' FWL & 1980' FSL, SEC. 23, BLK. 17, UNIV. LAND SURVEY

FILE NO : 3202-10846
 ANALYSTS : GODSEY
 ELEVATION: 2647' GL

CONVENTIONAL ANALYSIS

SAMPLE NUMBER	DEPTH	PERM K _a MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION
CORE NO. 1 5008.0-5033.0 CUT 25' REC 24'						
1	5008.0-09.0	14.	19.6	10.3	52.5	SD,SLTY,SL/LMY
2	5009.0-10.0	39.	20.7	9.4	43.8	SD,SLTY,SL/LMY
3	5010.0-11.0	55.	23.8	10.7	47.8	SD,SLTY,SL/LMY
4	5011.0-12.0	44.	22.4	11.4	50.4	SD,SLTY
5	5012.0-13.0	12.	12.6	7.6	45.6	SD,SL/LMY,SL/SHY
6	5013.0-14.0	0.7	16.7	0.0	69.3	SD,SHY,SHR
7	5014.0-15.0	171.	24.3	8.0	48.3	SD,SL/SHY
8	5015.0-15.5	0.8	26.2	1.2	72.2	SD,SHY,SHR
9	5015.5-16.0	66.	21.1	12.3	45.7	SD,SLTY,SL/LMY
10	5016.0-17.0	35.	19.2	10.4	48.0	SD,SLTY,SL/LMY
11	5017.0-18.0	57.	22.2	10.8	47.9	SD,SLTY,SL/LMY
12	5018.0-19.0	68.	21.4	11.2	49.7	SD,SLTY,SL/LMY
13	5019.0-20.0	70.	23.0	11.1	46.6	SD,SLTY,SL/LMY
14	5020.0-20.5	112.	22.0	12.4	50.2	SD,SLTY,SL/SHY
15	5020.5-21.0	0.1	13.6	0.0	77.4	SD,SHY
	5021.0-23.0					SD,SL/SHY,NO SHOW
16	5023.0-24.0	1.0	21.2	0.0	68.2	SD,SLTY,SL/LMY
	5024.0-26.0					SD,SHY,SHR,NO SHOW
17	5026.0-27.0	0.9	17.8	0.0	69.6	SD,SL/SHY,SHR
	5027.0-29.0					SD,SHY,SHR,NO SHOW
18	5029.0-30.0	0.1	13.7	0.0	76.2	SD,V/SLTY,SL/SHY,SHR
	5030.0-31.0					SD,V/SHY,NO SHOW
	5031.0-32.0					SH,SL/SDY,NO SHOW
	5032.0-33.0					LOST CORE
	5033.0-5975.0					DRILLED

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or reservoir.

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SAMPLE NUMBER	DEPTH	PERM K _a MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION

CORE NO. 2 5975.0-6022.0 CUT 47' REC 46'						
19	5975.0-76.0	0.4	15.5	0.0	72.3	SD,SH LAM
20	5976.0-77.0	0.5	18.1	0.0	74.1	SD,SH LAM
	5977.0-78.0					SD,SH LAM,SHR
21	5978.0-79.0	7.3	20.4	0.9	65.5	SD
22	5979.0-80.0	8.0	20.6	0.9	79.3	SD
23	5980.0-81.0	5.1	17.8	3.7	63.8	SD
24	5981.0-82.0	3.6	18.9	0.0	75.5	SD
	5982.0-83.0					SD,SL/SH LAM,NO SHOW
25	5983.0-84.0	3.8	14.7	1.3	70.4	SD
26	5984.0-85.0	4.1	17.9	0.0	70.6	SD
27	5985.0-86.0	3.6	15.6	2.4	59.6	SD
28	5986.0-87.0	8.7	20.4	0.0	70.1	SD
29	5987.0-88.0	15.	21.9	0.8	70.4	SD
30	5988.0-89.0	11.	20.5	0.0	72.3	SD
31	5989.0-90.0	0.1	15.0	0.0	71.9	SD,LMY,SH LAM
32	5990.0-91.0	0.1	16.4	0.0	74.9	SD,LMY,SH LAM
	5991.0-92.0					SD,SH LAM,NO SHOW
33	5992.0-93.0	0.3	15.5	0.0	75.7	SD,SH LAM
	5993.0-94.0					SD,SH LAM,NO SHOW
34	5994.0-95.0	0.2	14.9	0.0	77.1	SD,SH LAM
	5995.0-96.0					SD,LMY,SH LAM,NO SHOW
35	5996.0-97.0	0.1	12.0	0.0	82.2	SD,SH LAM
	5997.0-98.0					SD,LMY,SH LAM,SHR,NO SHOW
36	5998.0-99.0	<0.1	5.8	0.0	86.4	SD,LMY,SH LAM
	5999.0-00.0					SD,U/LMY,SH LAM,NO SHOW
37	6000.0-01.0	<0.1	5.6	0.0	97.4	LM,SDY,SH LAM
	6001.0-02.0					LM,SDY,ANHY,DENSE,NO SHOW

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38	6002.0-03.0	0.1	4.9	0.0	85.7	LM, SHY
	6003.0-04.0					LM, ANHY, SDY, SH LAM, DENSE, NO SHOW
39	6004.0-05.0	<0.1	3.9	0.0	90.0	LM, ANHY, SHY
	6005.0-06.0					LM, ANHY, SHY, DENSE, NO SHOW
40	6006.0-07.0	<0.1	5.7	0.0	87.4	LM, ANHY
	6007.0-08.0					LM, SHY, DENSE, NO SHOW
41	6008.0-09.0	1.0	3.5	0.0	85.3	LM, SHY, SILTY
	6009.0-10.0					LM, SL/SHY, SILTY, DENSE, NO SHOW
42	6010.0-11.0	<0.1	5.1	0.0	91.5	LM, ANHY, SILTY/
	6011.0-12.0					LM, SL/ANHY, SH LAM, DENSE, NO SHOW
43	6012.0-13.0	<0.1	5.3	0.0	95.5	LM, SHY
	6013.0-14.0					LM, SL/ANHY, SH LAM, SH PT, DENSE, NO SHOW
44	6014.0-15.0	<0.1	5.8	0.0	91.5	LM, ANHY, SHY
	6015.0-16.0					LM, SL/ANHY, SH LAM, DENSE, NO SHOW
45	6016.0-17.0	<0.1	4.0	0.0	77.2	LM, SDY, SH LAM
	6017.0-18.0					LM, SL/SHY, DENSE, NO SHOW
46	6018.0-19.0	<0.1	7.8	0.0	73.0	LM, SHY
	6019.0-20.0					LM, SH LAM, DENSE, NO SHOW
47	6020.0-21.0	<0.1	5.6	0.0	78.1	LM, SHY
	6021.0-22.0					LM, SL/SHY, SILTY, DENSE, NO SHOW
CORE NO. 3 6022.0-6051.0 CUT 29' REC 30'						
48	6022.0-23.0	<0.1	8.8	0.0	93.7	LM, SHY, ANHY, SDY
	6023.0-24.0					LM, SHY, SILTY, DENSE, NO SHOW
49	6024.0-25.0	<0.1	5.1	0.0	95.8	LM, SHY, ANHY, SDY
	6025.0-26.0					LM, SHY, ANHY, SILTY, DENSE, NO SHOW
50	6026.0-27.0	<0.1	5.3	0.0	91.9	LM, SHY, SDY
	6027.0-28.0					LM, SHY, ANHY, SILTY, DENSE, NO SHOW
51	6028.0-29.0	<0.1	5.2	0.0	98.8	LM, SHY, ANHY, STY

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	6029.0-30.0					LM,SDY,SHY,ANHY,DENSE,NO SHOW
52	6030.0-31.0	<0.1	7.3	0.0	89.4	LM,SDY,SHY,ANHY
53	6031.0-32.0	<0.1	6.4	0.0	77.5	SD,LMY,ANHY
54	6032.0-33.0	2.7	12.3	10.4	54.6	SD,LMY,ANHY
55	6033.0-34.0	0.5	11.3	0.0	75.8	SD,LMY,ANHY
56	6034.0-35.0	0.9	14.6	1.3	71.2	SD,LMY,ANHY,SH LAM
57	6035.0-36.0	1.0	14.7	0.0	77.3	SD,LMY,ANHY,SH LAM
	6036.0-37.0					SD,LMY,SHY,ANHY,NO SHOW
58	6037.0-38.0	<0.1	6.6	0.0	81.1	SD,LMY,ANHY,SH LAM
	6038.0-39.0					SD,LMY,ANHY,SH LAM,DENSE,NO SHOW
59	6039.0-40.0	1.2	15.4	0.0	73.4	SD,LMY,SHY
	6040.0-41.0					LM,SDY,ANHY,SH LAM,DENSE,NO SHOW
60	6041.0-42.0	0.5	14.1	0.0	66.7	SD,LMY,SH LAM
	6042.0-43.0					LM,SDY,ANHY,SH,LAM,DENSE,NO SHOW
61	6043.0-44.0	0.3	12.1	0.0	73.5	SD,LMY,SH LAM
	6044.0-45.0					LM,SDY,ANHY,SH LAM,DENSE,NO SHOW
62	6045.0-46.0	<0.1	5.8	0.0	89.4	LM,SDY,ANHY,SH LAM
	6046.0-47.0					LM,ANHY,SH LAM,DENSE,NO SHOW
63	6047.0-48.0	<0.1	5.3	0.0	87.0	LM,SHY,FOSS
	6048.0-49.0					LM,SHY,ANHY,DENSE,NO SHOW
64	6049.0-50.0	<0.1	6.6	0.0	89.3	LM,SHY,ANHY
	6050.0-51.0					LM,SHY,ANHY,DENSE,NO SHOW
	6051.0- 6160.0					DRILLED

CORE NO. 4 6160.0-6186.0 CUT 25' REC 26.1'

65	6160.0-61.0	0.7	16.2	5.8	62.4	SD,SHY
66	6161.0-62.0	1.4	17.9	6.7	60.0	SD,SL/SHY
67	6162.0-63.0	0.7	17.4	5.4	61.2	SD,SH LAM,SHR
68	6163.0-64.0	0.9	16.3	7.5	62.3	SD,SH LAM,SHR

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SAMPLE NUMBER	DEPTH	PERM Ka MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION
69	6164.0-65.0	0.7	16.4	4.0	71.3	SD,SH LAM,SHR
70	6165.0-66.0	0.7	15.8	4.2	68.6	SD,SHR
71	6166.0-67.0	0.7	16.4	5.8	62.2	SD,SHR
72	6167.0-68.0	0.7	13.7	4.8	56.3	SD,SHR
73	6168.0-69.0	0.5	15.4	4.3	64.1	SD,SH LAM,SHR
74	6169.0-70.0	0.3	14.1	2.9	80.0	SD,LMY,SH LAM
75	6170.0-71.0	0.3	15.2	2.5	69.5	SD,SH LAM,SHR
76	6171.0-72.0	7.0	18.8	4.8	52.9	SD
77	6172.0-73.0	2.6	18.6	7.9	55.1	SD
78	6173.0-74.0	4.3	18.2	11.1	52.4	SD
79	6174.0-75.0	1.5	12.2	7.7	50.8	SD,SL/SHY
80	6175.0-76.0	2.4	17.9	10.4	55.2	SD,SL/SHY
81	6176.0-77.0	1.0	15.9	9.5	52.2	SD,SL/LMY
82	6177.0-78.0	1.5	15.7	7.8	53.7	SD,SL/LMY
83	6178.0-79.0	1.2	16.1	7.6	53.9	SD,SL/SHY
84	6179.0-80.0	1.4	14.7	4.6	56.1	SD,SL/SHY
85	6180.0-81.0	0.3	12.8	0.0	68.3	SD,SHY,SL/LMY
	6181.0-83.0					SD,LMY,SH LAM,NO SHOW
86	6183.0-84.0	0.2	7.2	0.0	81.5	SD,LMY,SL/SHY
	6184.0-86.0					SD,SL/LMY,SH LAM,NO SHOW