



Amoco Production Company
Denver Region
SOUTHERN DIVISION

GEOL. MEMO. SO-29-83
ST. LOUIS CORES, HUGOTON EMBAYMENT
AMOCO LEE #1
33-25S-36W
CORE ANALYSIS

By: K.C. SAWYER

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Scale:

Encl. No. 10-2

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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Well LEE "A" NO. 1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
		MAX.	90°		OIL	TOTAL WATER		
57	4954.0-55.0	0.1	<0.1	4.5	0.0	65.3	2.70	Lm, shy, sty
58	55.0-56.0	<0.1	<0.1	4.1	0.0	67.5	2.70	Lm, sty
59	56.0-57.0	0.1	<0.1	4.3	0.0	64.2	2.70	Lm, sl/shy, sty
60	57.0-58.0	0.1	0.1	4.3	0.0	65.6	2.70	Lm, sl/shy, sty
61	58.0-59.0	0.1	0.1	4.1	0.0	71.5	2.70	Lm, sty
62	59.0-60.0	<0.1	<0.1	4.5	0.0	65.7	2.70	Lm, sl/shy
63	60.0-61.0	0.1	0.1	4.2	0.0	69.8	2.70	Lm, sl/shy, sty
64	61.0-62.0	<0.1	<0.1	3.2	0.0	66.1	2.70	Lm, sl/shy, sty
65	62.0-63.0	<0.1	<0.1	4.0	0.0	63.0	2.70	Lm, sl/shy, sty
66	63.0-64.0	<0.1	<0.1	2.5	0.0	71.2	2.70	Lm, shy
67	64.0-65.0	<0.1	<0.1	1.1	0.0	77.0	2.70	Lm, shy
68	65.0-66.0	<0.1	<0.1	1.6	0.0	80.3	2.70	Lm, shy
69	66.0-67.0	<0.1	<0.1	1.3	0.0	76.0	2.70	Lm, shy
70	67.0-68.0	<0.1	<0.1	2.0	0.0	76.8	2.70	Lm, sl/shy
71	68.0-69.0	<0.1	<0.1	1.7	0.0	72.8	2.70	Lm, sl/shy
72	69.0-70.0	<0.1	<0.1	1.6	0.0	74.8	2.70	Lm, sl/shy
73	70.0-71.0	<0.1	<0.1	1.4	0.0	72.7	2.70	Lm
74	71.0-72.0	<0.1	<0.1	1.7	0.0	76.3	2.70	Lm, sl/shy
75	72.0-73.0	0.1	<0.1	1.8	0.0	70.9	2.70	Lm, sl/shy
76	73.0-74.0	0.2	<0.1	3.2	0.0	65.4	2.70	Lm, sl/shy, v f
10	74.0-75.0	133	83	10.3	22.7	48.8	2.70	Lm
11	75.0-76.0	70	62	11.5	26.0	44.5	2.70	Lm
12	76.0-77.0	62	54	12.4	23.0	44.6	2.70	Lm
13	77.0-78.0	16	14	8.8	21.0	34.3	2.70	Lm
14	78.0-79.0	53	48	8.9	16.0	37.6	2.70	Lm
	79.0-82.0							Lost Core
15	82.0-83.0	49	41	11.9	21.8	71.7	2.70	Lm
16	83.0-84.0	43	25	10.8	21.3	67.2	2.70	Lm
17	84.0-85.0	11	9.1	9.4	15.7	75.5	2.70	Lm
18	85.0-86.0	43	42	12.5	19.3	64.9	2.70	Lm
19	86.0-87.0	15	14	10.5	20.0	70.0	2.71	Lm
20	87.0-88.0	21	18	10.9	20.5	75.0	2.71	Lm
21	88.0-89.0	23	19	9.6	15.4	75.2	2.71	Lm
22	89.0-90.0	11	7.7	9.3	15.2	66.5	2.71	Lm
23	90.0-91.0	6.8	1.4	9.4	12.8	72.0	2.71	Lm
24	91.0-92.0	3.6	1.6	9.7	12.5	78.8	2.71	Lm
25	92.0-93.0	1.3	1.2	7.4	5.5	82.2	2.70	Lm, sl/shy
26	93.0-94.0	0.3	0.1	2.8	7.2	72.0	2.70	Lm, shy
27	94.0-95.0	0.4	0.2	4.0	0.0	79.9	2.70	Lm, sl/shy
77	95.0-96.0	<0.1	<0.1	2.5	0.0	67.3	2.70	Lm, shy, v f
78	96.0-97.0	<0.1	<0.1	1.8	0.0	70.7	2.70	Lm, shy, v f
79	97.0-98.0	0.1	0.1	2.6	0.0	66.2	2.70	Lm, shy, v f
80	98.0-99.0	<0.1	<0.1	2.1	0.0	70.1	2.70	Lm, v/shy
81	99.0-00.0	<0.1	<0.1	0.9	0.0	76.3	2.70	Lm, shy
82	5000.0-01.0	<0.1	<0.1	1.1	0.0	74.6	2.70	Lm, shy

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Petroleum Reservoir Engineering
DALLAS, TEXAS

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Well LEE "A" NO. 1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs MAX. 900		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
					OIL	TOTAL WATER		
83	5001.0-02.0	<0.1	<0.1	0.8	0.0	74.5	2.70	Lm
84	02.0-03.0	<0.1	<0.1	1.1	0.0	68.9	2.70	Lm
85	03.0-04.0:	803	<0.1	1.1	0.0	69.5	2.70	Lm, v f
86	04.0-05.0	0.1	<0.1	1.3	0.0	71.4	2.70	Lm, v f
87	05.0-06.0	<0.1	<0.1	1.4	0.0	66.9	2.70	Lm, shy, sty
28	06.0-07.0	0.3	0.3	8.5	5.1	68.0	2.70	Lm
29	07.0-08.0	4.5	2.4	9.1	10.1	51.6	2.70	Lm
30	08.0-09.0	<0.1	<0.1	4.0	0.0	60.9	2.70	Lm
	5009.0-09.5							Lm, v/shy

* DENOTES PLUG PERMEABILITY
vf DENOTES VERTICAL FRACTURE

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