

Core Analysis Results

Company MOBIL NORWAY Formation _____ File CA 24
 Well 33/12-1 Core Type _____ Date Report 20.4.74
 Field _____ Drilling Fluid _____ Analysts J.S.G.
 County NORTH SEA State _____ Elev. _____ Location _____

Lithological Abbreviations

Sand-Sd Shale-Sh Lime-Lm Dolomite-Dol Chert-Ch Gypsum-Gyp Anhydrite-Anhy Conglomerate-Cong Fossiliferous-Foss Sandy-Sdy Shaly-Shy Limy-Lmy Fine-Fn Medium-Med Coarse-Cse Crystalline-Xlm Grain-Grn Granular-Grnl Brown-Brn Gray-Gy Vuggy-Vgy Fractured-Frac Lamination-Lam Stylolitic-Sty Slightly-Sl/ Very-V/ With-W/

Sample Number	Depth Feet	Permeability Millidarcys		Porosity Per Cent	Residual Saturation Per Cent Pore		Grain Density	Sample Description and Remarks
		Ka	Kl		Oil	Total Water		
<u>CORE NO. 1</u>								
	7950.5	0.06	0.03	18.9	25.9	41.8	2.65	Ss, gy/brn, vfg, shy, mica, fair odor, dull yel fluo.
	7951.5	25	21	24.9	22.5	36.5	2.64	AA, good odor, yel fluo.
<i>Sst + shale mb</i>	52.5	7.2	5.5	23.1	35.9	25.5	2.63	AA
	53.5	85	74	31.9	29.8	26.0	2.64	AA
	54.5	27	22	25.0	32.0	28.4	2.63	AA
	55.5	0.45	0.29	16.7	30.5	46.7	2.62	AA, shy.
	56.5	1.2	0.8	24.8	35.1	36.7		AA
	57.5	415	385	29.0	24.5	23.8	2.63	AA
	58.5	1290	1240	30.7	31.9	22.8	2.59	AA, shy.
	59.5	566	536	29.3	30.0	28.3	2.61	AA, shy.
	60.5	54	46	23.4	25.2	32.1	2.67	AA, shy, fr odor, irreg. yel fluo.
	61.5	0.14	0.09	4.9	40.8	8.2	2.61	AA, shy, pr odor, tr irreg yel fluo.
	62.5	915	875	28.5	13.3	34.0	2.92	Ss, gy/brn, m-cg, shy, cl-py in pts, gdodor, yel fluo.
	63.5	0.27	0.17	23.6	50.4	35.2	2.31	Ss, gy/brn, vfg, shy, mica, pyr lig, pr odor, irreg yel fluo.
	64.5	158	142	17.7	35.0	44.1	2.56	Ss, gy/brn, fg, shy, mica, lig, fair odor, irreg yel fluo.
	65.5	353	323	29.8	24.5	32.9	2.61	AA, gd odor, yel fluo.
	66.5	566	536	29.1	24.7	25.8	2.58	AA, f-mg.
	67.5	506	476	25.6	16.8	50.0		AA
	7968.5	819	779	27.3	16.1	37.4	2.65	AA

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File CA 24 Page No. 2
Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		
<u>CORE NO. 1 (continued)</u>		Ka	K1				
	7969.5	409	379	26.3	18.3	39.2	2.62 Ss, gy/brn, fg, shy, mica, lig, frodor, irreg yel fluo.
	70.5	399	369	34.6	24.3	27.2	2.61 AA
	71.5	339	309	29.6	18.9	45.9	2.65 AA
	72.5	366	336	31.6	27.5	33.9	AA
	73.5	444	414	33.8	32.0	36.1	AA
	74.5	141	126	34.0	31.2	40.3	2.65 AA
	75.5	98	87	31.7	30.3	42.9	2.68 Ss, gy/brn, fg, clean, mica, gdodor, yel fluo.
	76.5	491	461	35.2	30.1	37.5	2.62 AA
	77.5		S H A L E				Shale, black fissile.
	78.5		S H A L E				AA
	79.5		S H A L E				AA
	80.5	1750	1690	33.2	19.0	31.3	2.59 Ss, gy/brn, fg, clean, mica, gdodor, yel fluo.
	81.5	1265	1215	35.3	32.6	30.3	2.62 AA
	82.5	397	367	34.6	29.2	38.4	2.61 AA, uncons.
	83.5	388	358	31.5	21.9	27.6	2.63 AA
	84.5	426	396	27.2	20.6	32.4	2.62 AA
	85.5	114	101	31.0	26.5	45.2	AA, uncons.
	86.5	16	13	24.3	18.5	29.6	2.71 AA
	87.5	14	11	28.8	28.8	45.8	2.67 AA, uncons.
	7988.5	95	84	27.2	30.9	42.6	2.63 AA, uncons.
<u>CORE NO. 2</u>							
	8010.5	903	863	30.1	16.6	42.2	2.66 Ss, gy/brn, fg, clean, mica, gdodor, yel fluo.
	11.5	0.08	0.05	16.3	39.3	40.5	2.62 Siltst, dk gy, shy, mica, fnt odor, irreg yel fluo.
	12.5	0.55	0.36	21.0	31.0	29.0	2.64 Ss, gy/brn, vfg, shy, mica, fr odor, yel fluo.
	13.5	1.71	1.21	25.1	30.3	21.1	2.69 AA
	8014.5		S H A L E				Shale, blk, fissile hard.

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

File CA 24 Page No. 3
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		
<u>CORE NO. 2 (continued)</u>							
		Ka.	Kl				
	8015.5	13	10	24.1	24.9	27.8	2.60 Ss, gy/brn, fg, shy, mica, fr odor, yel fluo.
	16.5	0.57	0.37	20.0	22.0	42.5	2.60 AA
	17.5	D O L S H A L E - S I L I C E O U S					Sh, gy/brn, (sdy) siliceous, dol, pyr, no odor, no fluo.
	18.5		S H A L E				Sh, (sdy), pyr, mica, no odor, no fluo.
	19.5		S H A L E				Sh, blk, fissile, no odor, no fluo.
	20.5		S H A L E				Sh, dk gy/blk, (sdy), mica, lig, no odor, no fluo.
	21.5	1.2	0.8	29.3	26.6	32.1	2.62 Ss, gy/brn, fg, shy, mica, gd odor, yel fluo.
	8022.5	98	87	29.0	24.8	44.1	2.64 AA
<u>CORE NO. 3</u>							
	8032.5		S H A L E				Sh, dk gy/brn, hd, no odor, no fluo.
	33.5		S H A L E				AA, sdy, no odor, no fluo.
	34.5	2.6	1.9	28.7	41.1	24.4	2.64 Ss, dk gy, vfg, shy, mica, fr odor, irreg yel fluo.
	35.5		S H A L E				Sh, dk gy, hd, no odor, no fluo.
	36.5		S H A L E				AA
	37.5		S H A L E				Sh, gy/brn, sdy, mica, no odor, no fluo.
	38.5		S H A L E				AA
	8039.5		S H A L E				AA
<u>CORE NO. 4</u>							
	8145.5	1235	1185	30.8	26.6	24.4	2.73 Ss, gy/brn, m ^{cg} -eg, (shy) pyr, gdodor, yel fluo.
<i>Massive</i>	46.5	18100	17900	31.3	29.4	24.0	2.62 AA, (clean). ^{cg}
<i>5st</i>	47.5	10800	10700	30.2	32.5	18.2	2.67 AA (shy). ^{cg}
	48.5	9350	9150	33.1	23.9	22.1	2.68 AA
	8149.5	15000	14800	32.0	25.3	22.2	2.69 AA

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File CA 24 Page No. 4
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		
<u>CORE NO. 4 (continued)</u>		Ka	K1				
8150.5		13500	13350	27.2	24.3	20.2	2.70 Ss, gy/brn, m-cg, (shy), pyr, gd odor, yel fluo.
51.5		16500	16300	33.3	18.3	24.9	2.64 AA
52.5		16900	16700	27.2	26.5	27.9	AA (shy in pts).
53.5		7550	7450	28.1	15.7	29.2	2.69 AA (fairly clean).
54.5		9300	9200	30.6	21.9	21.2	2.65 AA
55.5		4850	4770	28.1	17.8	26.3	2.71 AA (shy).
56.5		8750	8650	27.9	16.8	36.6	2.66 AA
57.5		5250	5170	30.9	16.2	28.2	2.83 AA, (fairly clean), (pyr).
58.5		17300	17100	32.9	18.2	24.9	AA
59.5		6750	6650	30.9	15.2	32.7	2.62 AA
60.5		5390	5310	35.8	15.4	29.6	2.62 AA
61.5		7750	7650	30.1	16.9	24.9	2.64 AA
62.5		6970	6870	31.5	23.5	26.0	2.66 AA (shy).
63.5		11900	11800	34.2	17.3	28.9	2.61 AA (fairly clean).
64.5		12250	12150	32.5	21.8	23.7	2.63 AA
65.5		9990	9890	32.1	19.3	20.9	AA
66.5		13400	13250	34.1	20.2	20.8	2.65 AA
67.5		21100	20900	33.4	19.5	20.4	2.59 AA
68.5		12650	12550	32.6	19.0	25.5	AA
69.5		10050	9950	35.0	22.6	25.1	2.68 AA
70.5		3770	3690	28.9	18.0	25.6	2.64 Ss, gy/brn, m-cg, (fairly clean), mica, gdodor, yel fluo.
71.5		2090	2030	28.5	17.2	28.4	2.63 AA
72.5		11350	11250	30.5	15.4	22.3	2.63 AA
73.5		2120	2060	28.7	15.3	27.9	2.72 AA
74.5		4680	4600	32.7	15.0	23.2	2.62 AA
75.5		6300	6200	33.8	20.7	20.4	2.64 AA
76.5		6130	6030	32.8	17.1	21.0	2.63 AA
77.5		10700	10600	29.8	16.4	27.5	2.60 AA
8178.5		4300	4220	29.5	16.3	26.4	2.64 AA

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

File CA 24 Page No. 5
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		
		Ka	Kl				
<u>CORE NO. 4 (continued)</u>							
	8179.5	7200	7100	30.7	17.3	28.3	2.65 Ss, gy/brn, m-cg, (fairly clean) mica, gldodor, yel fluo.
	80.5	9960	9860	33.7	21.1	25.8	AA
	81.5	5830	5730	31.7	17.7	26.5	2.66 AA
	82.5	6860	6760	37.3	24.4	20.6	2.66 AA
	83.5	3730	3650	27.3	24.5	28.2	3.05 Ss, dk gy, f-mg, pyr, mica, gd odor, yel fluo.
	84.5	4500	4420	32.0	19.4	21.6	2.62 Ss, dk gy, m-cg, pyr, mica, gd odor, yel fluo.
	85.5	5440	5360	34.7	18.2	19.6	2.64 Ss, gy/brn, m-cg, (fairly clean) mica, gldodor, yel fluo.
	86.5	3900	3820	33.8	24.0	20.1	2.61 AA
	87.5	6690	6590	30.6	20.6	22.2	2.63 AA
	88.5	2460	2400	28.0	18.6	23.9	2.65 AA
	89.5	4490	4410	33.6	25.3	22.6	2.66 AA
	90.5	6850	6750	30.6	22.2	29.7	2.64 AA
	91.5	5550	5470	33.8	21.3	22.8	2.65 AA, + pyr, arg.
	92.5	1660	1610	32.9	24.6	22.5	2.71 AA
	93.5	3220	3140	37.8	29.4	22.2	2.66 AA
	94.5	3500	3400	31.9	19.1	24.1	2.65 AA
	95.5	6310	6210	29.7	15.8	19.5	2.65 AA
	96.5	3040	2960	34.0	17.4	24.4	2.63 AA (arg).
	97.5	3130	3050	31.7	15.8	26.5	2.64 AA
	98.5	3100	3020	35.6	23.3	24.7	2.63 AA, becoming shy.
	8199.5	1220	1170	28.3	19.1	30.0	2.61 AA, fairly clean.
	8200.5	3420	3340	36.4	22.0	25.5	2.64 AA, lignite streaks.
	01.5	2950	2870	35.9	20.1	29.5	2.64 AA, lignite streaks.
	02.5	1600	1550	33.5	21.5	26.9	2.47 AA, lignite lams.
	03.5	4100	4020	34.5	24.6	27.2	2.62 AA
	8204.5	507	477	31.4	26.1	28.3	2.68 AA

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

File CA 24 Page No. 6
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
					OIL	TOTAL WATER		
		Ka	Kl					
<u>CORE NO. 5</u>								
	8205.5	270	250	28.8	26.4	35.4	2.68	Ss, gy/brn, vfg, arg, mica, gd odor, yel fluo.
	06.5	759	719	32.7	25.4	30.6	2.66	Ss, gy/brn, fg, (fairly clean) mica, gdodor, yel fluo.
	07.5	514	484	31.5	23.2	34.3	2.66	AA
	08.5	193	173	30.9	23.3	33.7	2.66	AA
	09.5	54	46	30.2	23.2	35.8	2.75	AA (pyr).
	10.5	426	396	30.7	22.8	41.4	2.70	AA
	11.5	308	278	29.4	21.1	34.4	2.69	AA
	12.5	263	243	30.1	16.3	33.9	2.71	AA
	13.5	886	846	26.0	26.9	45.0	2.65	AA
	14.5	789	749	33.1	25.1	32.3	2.64	AA
	15.5	558	528	32.0	18.4	37.2	2.69	AA
	16.5	893	853	32.6	18.4	35.6	2.67	AA
	17.5	953	913	34.8	28.2	25.6	2.66	AA
	18.5	1010	960	29.7	19.9	30.3	2.64	AA
	19.5	960	920	33.4	24.0	36.5	2.63	AA
	20.5	225	205	28.8	22.9	33.3	2.68	AA
	21.5	447	417	26.8	16.0	34.3	2.67	AA
	22.5	819	779	32.3	21.4	32.8	2.64	AA
	23.5	384	354	31.8	25.8	29.9	2.67	AA
	24.5	400	370	33.5	24.5	30.7	2.66	AA
	25.5	429	399	31.9	24.1	32.9	2.67	AA
	26.5	178	158	29.6	27.0	34.8	2.68	AA
	27.5	348	318	27.4	28.1	28.8	2.67	AA
	28.5	235	215	29.1	21.6	35.1	2.67	AA
	29.5	115	102	29.2	24.3	34.2	2.72	AA
	30.5	588	558	32.0	22.2	32.2	2.66	AA
	31.5	220	200	28.8	20.1	32.3	2.71	AA
	32.5	70	61	29.8	22.8	33.9	2.72	AA
	8233.5	120	107	27.5	19.6	30.5	2.71	AA

*Micaceous
sst.*

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

File CA 24 Page No. 7
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		
		Ka	K1				
<u>CORE NO. 5 (continued)</u>							
	8234.5	685	655	33.9	21.8	33.0	2.67 Ss, gy/brn, fg, fairly clean, mica, gd odor, yel fluo.
	35.5	348	318	34.0	19.1	28.8	2.72 Ss, gy/brn, f-mg, fairly clean, mica, gdodor, yel fluo.
	36.5	199	179	29.9	19.4	41.1	2.70 AA
	37.5	70	61	25.2	17.1	34.1	2.70 AA
	38.5	70	61	27.9	23.3	40.1	2.69 AA
	39.5	370	340	30.3	17.5	40.6	2.64 AA
	40.5	247	227	28.4	20.1	47.2	2.66 AA
	41.5	135	121	28.4	16.2	38.4	2.68 AA
	42.5	251	231	33.6	21.7	32.1	2.66 AA
	8243.5	543	513	34.9	20.9	53.6	2.67 AA
<u>CORE NO. 6</u>							
	8265.5	878	838	33.2	24.1	32.2	2.65 AA
	66.5	484	454	32.0	25.3	31.5	2.69 AA
	67.5	NO ANALYSIS					Wallcake
	68.5	NO ANALYSIS					AA
	69.5	NO ANALYSIS					AA
	70.5	NO ANALYSIS					AA
	8271.5	NO ANALYSIS					AA
<u>CORE NO. 7</u>							
	8343.5	707	667	32.5	22.8	38.8	2.63 Ss, gy/brn, fg, clean, mica, gdodor, yel fluo.
	44.5	603	573	31.4	15.9	41.4	2.66 AA
	45.5	610	580	33.1	20.2	40.8	2.66 AA
	46.5	670	640	32.0	19.1	43.1	2.65 AA
	47.5	528	498	30.4	18.8	46.4	2.68 AA
	48.5	595	565	31.4	18.8	43.0	2.65 AA
	49.5	662	632	31.0	15.5	39.0	2.65 AA
	50.5	355	325	30.0	14.7	45.3	2.73 AA
	51.5	506	476	30.7	20.8	44.6	2.69 AA
	8352.5	878	838	25.7	25.3	51.0	2.64 AA

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

File CA 24 Page No. 8
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
					OIL	TOTAL WATER		
<u>CORE NO. 7 (continued)</u>		Ka	Kl					
	8353.5	1100	1050	30.7	17.9	43.3	2.65	Ss, gy/brn, fg, clean, mica, gdodor, yel fluo.
	54.5	420	390	30.9	16.2	45.6	2.70	AA
	55.5	737	697	31.2	16.7	43.3	2.64	AA
	56.5	804	764	30.9	13.3	47.2	2.64	AA
	57.5	871	831	32.0	17.2	47.2	2.64	AA
	58.5	44	37	32.6	12.0	44.5	2.67	AA
	59.5	93	82	31.0	27.1	37.1	2.72	AA + thin dk blk sh lams.
	60.5	279	259	30.6	20.9	39.9	2.67	AA, fairly clean.
	61.5	424	394	32.2	24.5	52.2	2.66	AA
	62.5	476	446	31.5	19.4	43.8	2.65	AA
	63.5	491	461	34.1	24.6	38.7	2.65	AA
	64.5	438	408	32.5	19.1	43.1	2.67	AA
	65.5	424	394	33.9	21.2	39.5	2.67	AA
	66.5	491	461	32.8	22.3	43.3	2.64	AA
	67.5	364	334	33.1	22.1	43.2	2.66	AA
	68.5	89	78	29.9	18.1	45.8	2.73	Ss, gy/brn, fg, clean, mica.
	69.5	322	292	31.1	17.0	45.5	2.68	AA
	70.5	191	171	29.1	16.8	47.1	2.68	AA
	71.5	373	343	32.9	22.5	41.9	2.66	AA
	72.5	295	275	31.8	20.1	39.3	2.64	AA
	73.5	40	34	26.9	20.8	42.8	2.68	AA
	74.5	228	208	31.4	17.8	42.4	2.64	AA
	75.5	236	216	31.6	18.0	43.4	2.65	AA
	76.5	147	132	28.7	15.7	46.0	2.65	AA
	77.5	127	113	29.2	26.4	41.4	2.67	AA
	78.5	43	36	27.4	28.8	36.1	2.66	AA
	79.5	84	74	32.0	19.1	48.1	2.66	AA
	80.5	21	17	23.7	27.0	42.2	2.74	AA + sh lams.
	81.5	85	74	32.9	22.5	44.7	2.67	AA, fairly clean.
	8382.5	119	106	30.3	24.8	41.6	2.66	AA, sh lams.

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

File CA 24 Page No. 9
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
					OIL	TOTAL WATER		
<u>CORE NO. 7 (continued)</u>		Ka	K1					
	8383.5	44	37	29.1	24.1	36.1	2.67	Ss, gy/brn, fg, clean, mica, sl shy.
	84.5	163	147	29.6	20.9	43.2	2.66	Ss, gy/brn, fg, fairly clean, mica.
	85.5	68	59	27.6	24.6	43.9	2.66	AA
	86.5	26	21	28.0	28.2	40.7	2.68	AA, sl shy.
<i>stuff</i>	8387.5	31	26	27.4	21.6	41.2	2.68	AA
<u>CORE NO. 8</u>								
	9334.5	7405	7305	23.3		93.1	2.61	Ss-cong-wh, c-vcg, clean, no odor, no fluo.
	35.5	6635	6535	24.1		93.8	2.61	AA
	36.5	4480	4400	25.0		93.2	2.73	AA
	37.5	5790	5710	25.5		92.2	2.61	AA
	38.5	4210	4130	25.8		90.3	2.61	AA
	39.5	5895	5795	34.2		94.7	2.61	AA
	40.5	141	126	25.0		91.2	2.62	AA
	41.5	105	93	18.0		85.0	2.63	AA, gy in pts.
	42.5	0.39	0.25	8.2		75.6	2.64	Ss-cong, grey, f-vcg, clean.
	43.5	2035	1975	18.5		90.8	2.61	Ss-cong, white, f-vcg, clean.
	44.5	NPP		17.3		85.5		AA
	45.5	2760	2680	13.2		86.4	2.61	AA
	46.5	NPP		17.2		89.0		AA
	47.5	NPP		15.2		92.1		AA, gy in prts.
	48.5	NPP		17.6		90.3		AA
	49.5	NPP		15.5		89.7		AA
	50.5	NPP		17.0		88.2		AA
	51.5	NPP		16.6		88.6		AA
	52.5	NPP		19.6		87.8		AA, gy in prts.
	53.5	1280	1230	18.8		87.8	2.62	AA
	54.5	3840	3760	21.2		89.6	2.62	AA
	55.5	NPP		24.2		92.6		AA
	9356.5	4175	4095	21.2		91.0	2.61	AA

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

File CA 24 Page No. 10
 Well 33/12-1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS		POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		Grain Density	SAMPLE DESCRIPTION AND REMARKS
					OIL	TOTAL WATER		
		Ka	Kl					
<u>CORE NO. 8 (continued)</u>								
	9357.5	9035	8885	22.4		92.4	2.62	Ss-cong, wh/brn, f-vcg, clean.
	9358.5	7720	7570	23.6		91.9	2.61	AA, grey.

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 warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.