

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS



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CORE ANALYSIS RESULTS

Company Walter Duncan Formation Dakota File RP-3-2203
Well North Hogback 7-2 Core Type Rock head Date Report 5/9/67
Field North Hogback Drilling Fluid Chem-Gel Analysts Graham
County San Juan State New Mex. Elev. 5048 Grid Location Sec. 7-T29N-R16W

Lithological Abbreviations

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS K	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
1	716-17	9.3	12.2	4.1	82.0	SH:DK BRN,SDY,CARB,CALC
2	717-18	26.2	12.9	3.9	86.1	SLST:DK BRN,SDY,CARB,ARGIL,CALC
3	718-19	4.25	13.8	5.1	83.3	SH:DK BRN,SDY,SLI/CALC
4	719-20	30.9	14.1	8.5	83.0	SH:DK BRN,SLI/SDY,SLI/CALC
5	720-21	5.9	13.1	3.8	76.9	SS:GRY, FN, ARGIL, CALC, W/SLT STRNGRS
6	721-22	3.8	16.3	3.1	77.3	SS:GRY, FN, ARGIL, CALC, W/SLT STRNGRS
7	722-23	4.3	14.1	3.6	79.4	SS:GRY, FN, ARGIL, CALC, W/SLT STRNGRS
8	723-24	38.2	16.5	4.2	76.4	SS:GRY, FN-MED, ARGIL, CALC, W/SLT STRNGRS
9	724-25	3.0	12.4	5.6	79.6	SS:GRY, FN-MED, ARGIL, CALC, W/SLT STRNGRS
10	725-26	3.4	11.7	6.0	78.6	SS:GRY, FN-MED, ARGIL, CALC, V/SLTY
11	726-27	3.8	10.0	7.0	78.0	SS:DK BRN, FN-MED, CALC, V/SLTY
12	727-28	38.2	10.4	26.9	57.6	SS:LT GRY, FN, ARGIL, CALC
13	728-29	39.8	19.2	19.3	46.3	SS:LT GRY, FN, SLI/ARGIL, V/SLI/CALC
14	729-30	52.6	22.1	19.9	52.5	SS:LT GRY, FN, SLI/ARGIL, V/SLI/CALC
15	730-31	16.1	15.7	5.1	62.0	SS:GRY, FN, CLEAN, W/SLT LAM
16	731-32	13.6	17.9	15.7	59.2	SS:GRY, FN, CLEAN, /SLT LAM
17	732-33	6.8	17.7	14.7	52.5	SS:LT GRY, FN, SLI/ARGIL, LOC CALC, W/SH LAM
18	733-34	67.6	18.3	6.0	72.8	SS:LT GRY, FN, SLI/ARGIL, LOC CALC, W/SH LAM
19	734-35	3.0	19.1	5.8	77.1	SS:LT GRY, FN, SLI/ARGIL, LOC CALC, W/SLT LAM
20	735-36	27.1	16.9	4.2	64.0	SS:LT GRY, FN, SLI/ARGIL, W/SH LAM
21	736-37	263.0	23.8	23.6	38.2	SS:GRY, FN, CLEAN
22	737-38	281.0	22.4	21.4	41.1	SS:GRY, FN, CLEAN
23	738-39	453.0	22.7	24.6	42.7	SS:GRY, FN-MED, CLEAN
24	739-40	585.0	23.2	23.7	45.2	SS:GRY, FN, CLEAN
25	740-41	690.0	23.2	22.0	41.4	SS:GRY, FN, CLEAN
26	741-42	730.0	22.6	23.9	46.9	SS:GRY, FN, CLEAN, W/SH LAM
27	742-43	364.0	23.7	20.7	63.0	SS:GRY, FN, CLEAN, W/SH LAM
28	743-44	1220.0	24.5	21.6	63.0	SS:GRY, FN, CLEAN, W/SH LAM
29	744-45	450.0	22.9	25.7	36.7	SS:GRY, FN, CLEAN
30	745-46	770.0	19.6	25.1	37.9	SS:GRY, FN, CLEAN
31	746-47	309.0	21.9	21.0	56.1	SS:GRY, FN, CLEAN
32	747-48	392.0	21.7	18.4	55.4	SS:GRY, FN, CLEAN
33	748-49	166.0	22.7	17.6	56.4	SS:GRY, FN, CLEAN, W/SH LAM
34	749-50	438.0	25.1	15.9	51.8	SS:GRY, FN, CLEAN
35	750-51	381.0	21.5	20.9	55.3	SS:GRY, FN, CLEAN, W/SH LAM
36	751-52	170.0	20.4	16.7	56.9	SS:GRY, FN, CLEAN, W/SH LAM
37	752-53	152.0	23.7	13.5	62.4	SS:GRY, FN, CLEAN, W/SH LAM
38	753-54	371.0	21.1	19.9	55.9	SS:GRY, FN, CLEAN
39	754-55	222.0	25.2	12.0	58.8	SS:GRY, FN, CLEAN

SERVICE #5-A

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