

CORE ANALYSIS REPORT

FOR

BLACK RIVER CORPORATION

MAYES NO. 1 WELL

WILDCAT

EDDY COUNTY, NEW MEXICO



CORE ANALYSIS RESULTS

Company BLACK RIVER CORPORATION Formation DELAWARE File 621-9178
Well MAYES NO. 1 Core Type DIAMOND 2 1/2" Date Report 11-17-73
Field WILDCAT Drilling Fluid SALT BASE MUD Analysts ANTWINE
County EDDY State NEW MEX. Elev. 3735' GL Location 2310' FSL 660' FEL SEC 9 T-26-S R-24-E

Lithological Abbreviations

SAND-SD SHALE-SH LMY-LMY	DOLomite-DOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SDY SHALY-SHY LMY-LMY	FINE-FN MEDIUM-MED COARSE-CSE	CRYSTALLINE-XLN 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		SAMPLE DESCRIPTION AND REMARKS		
				OIL	TOTAL WATER			

CONVENTIONAL ANALYSIS

1	540.0-41.0	39.0	24.8	7.8	61.9	Sd
2	41.0-42.0	5.5	19.8	12.5	42.7	Sd, Lmy
3	42.0-43.0	44.0	24.9	17.9	43.3	Sd
4	43.0-44.0	29.0	22.8	23.6	37.1	Sd
5	44.0-45.0	11.0	18.0	15.6	38.2	Sd
6	45.0-46.0	13.0	14.7	2.5	47.1	Sd
7	46.0-47.0	20.0	24.0	22.4	41.9	Sd'
8	47.0-48.0	19.0	23.8	21.0	42.8	Sd
9	48.0-49.0	16.0	22.9	18.1	46.3	Sd
10	49.0-50.0	14.0	19.4	18.2	37.3	Sd
11	50.0-51.0	13.0	23.8	16.6	47.4	Sd
12	51.0-52.0	9.8	24.2	17.1	49.4	Sd
13	552.0-53.0	6.3	20.8	13.2	54.3	Sd
	553.0-54.0					Lost Core
14	554.0-55.0	1.1	19.5	5.9	54.0	Sd
15	55.0-56.0	1.1	18.2	4.9	59.3	Sd
16	56.0-57.0	2.9	21.5	6.6	48.4	Sd, Shy
17	57.0-58.0	2.3	19.8	7.2	52.1	Sd
18	58.0-59.0	1.3	19.0	1.9	68.4	Sd
19	59.0-60.0	2.8	23.8	0.7	64.4	Sd
20	60.0-61.0	4.4	20.1	9.7	46.7	Sd
21	61.0-62.0	6.5	25.4	14.9	33.2	Sd, Shy
22	62.0-63.0	1.6	19.8	6.0	59.1	Sd, Shy
23	63.0-64.0	226.0	28.6	22.3	37.5	Sd, Shy
24	64.0-65.0	17.0	20.9	9.5	47.3	Sd, Shy
25	65.0-66.0	41.0	23.4	15.0	44.3	Sd, Shy
26	566.0-67.0	0.5	15.7	0.0	65.3	Sd, Shy
	567.0-80.0					Sd, Shy
27	580.0-81.0	1.1	13.4	0.0	51.4	Sd, Shy
28	581.0-82.0	0.7	18.7	2.0	60.5	Sd, Shy
	582.0-02.0					Sd, Shy, Lmy
	602.0-1328.0					Drilled

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Petroleum Reservoir Engineering
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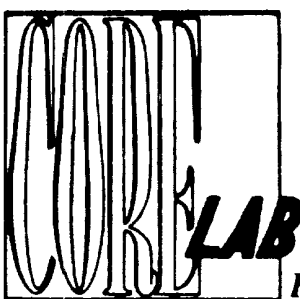
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Well MAYES NO. 1

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
29	1328.0-29.0	3.9	18.2	0.0	53.8	Sd
30	29.0-30.0	1.5	17.2	0.0	53.0	Sd
31	30.0-31.0	1.1	13.8	6.8	67.8	Sd
32	31.0-32.0	1.8	19.1	0.0	60.3	Sd, Shy
33	32.0-33.0	1.4	18.5	3.4	56.9	Sd
34	33.0-34.0	2.2	19.4	1.9	50.6	Sd
35	34.0-35.0	15.0	22.6	6.3	53.2	Sd
36	35.0-36.0	2.9	20.1	13.9	44.9	Sd
37	36.0-37.0	2.0	19.5	13.3	38.6	Sd
38	37.0-38.0	2.5	20.4	12.8	44.3	Sd
39	38.0-39.0	1.5	22.2	12.5	37.8	Sd
40	39.0-40.0	2.9	21.5	13.9	42.6	Sd
41	40.0-41.0	4.9	20.4	16.6	35.8	Sd
42	41.0-42.0	3.4	22.0	14.5	45.2	Sd
43	42.0-43.0	3.4	20.0	13.0	39.4	Sd
44	43.0-44.0	2.9	20.6	16.6	41.1	Sd
45	44.0-45.0	4.9	21.5	13.7	41.0	Sd
46	45.0-46.0	9.8	21.6	6.5	35.8	Sd
47	46.0-47.0	<0.1	8.7	0.0	74.8	Sd
48	47.0-48.0	<0.1	8.8	0.0	85.3	Sd, Shy
49	48.0-49.0	<0.1	5.9	0.0	85.6	Sd, Shy
50	49.0-50.0	<0.1	6.6	0.0	87.2	Sd, Shy
	1350.0-66.0					Sd, S/Lmy, Shy
51	1366.0-67.0	<0.1	13.4	0.0	70.7	Sd, Shy
52	67.0-68.0	<0.1	11.9	0.0	71.9	Sd, Shy
	1368.0-71.0					Sd
	1371.0-72.0					Sd, Shy
	1372.0-77.0					Lm, Shy, Sdy
	1377.0-83.0					Sd, Lmy
	1383.0-86.0					Lm, Shy

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CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY BLACK RIVER CORPORATION FIELD WILDCAT FILE 621-9178
WELL MAYES NO. 1 COUNTY EDDY DATE 11-17-73
LOCATION 2310' FSL 660' FEL SEC 9 STATE NEW MEXICO ELEV. 3735' GL
T-26-S R-24-E

CORE-GAMMA CORRELATION

FIVED

1974

VERTICAL SCALE: 5" = 100'

CE

CORE-GAMMA SURFACE LOG

GAMMA RAY
RADIATION INCREASE
→

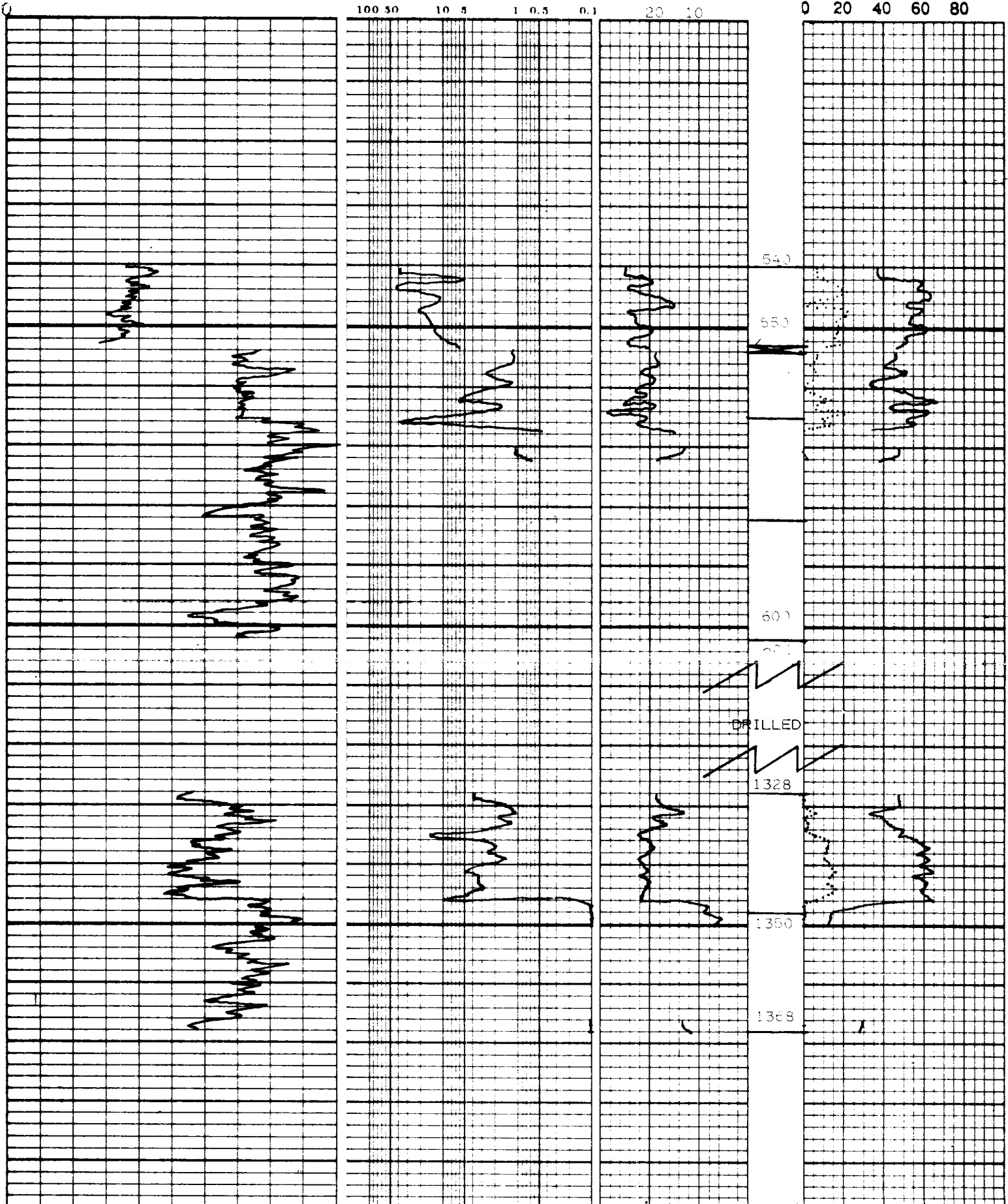
COREGRAPH

TOTAL WATER ———
PERCENT TOTAL WATER
80 60 40 20 0

PERMEABILITY ———
MILLIDARCYs
100 50 10 5 1 0.5 0.1

POROSITY ———
PERCENT
20 10

OIL SATURATION ———
PERCENT PORE SPACE
0 20 40 60 80



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS 75207

REPLY TO BOX 4337

MIDLAND, TEXAS

79701

Formation cored in the subject well has been analyzed according to instructions received at the laboratory. Results of the analysis are presented in tabular form. Information relative to the drilling fluid used during the coring operation, sampling and preservation of the core and type of analysis employed is noted on the data pages.

Thank you for the opportunity to be of service.

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