CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company [illegible] OIL COMPANY — Formation DAKOTA — File RP-3-253[illegible]

Well # 5 [illegible] — Core Type DIA. CONV. 4" — Date Report 2-15-7[illegible]

Field [illegible] — Drilling Fluid CHEM GEL — Analysts [illegible]

County SAN JUAN — State N. MEX. — Elev. 6[illegible] GL — Location [illegible] Sec 21 - T 2[illegible]N - R [illegible]

Lithological Abbreviations

SAND-SD	DOLOMITE-DOL	ANHYDRITE-ANHY	SANDY-SDY	FINE-FN	CRYSTALLINE-XLN	BROWN-BRN	FRACTURED-FRAC	SLIGHTLY-SL/
SHALE-SH	CHERT-CH	CONGLOMERATE-CONG	SHALY-SHY	MEDIUM-MED	GRAIN-GRN	GRAY-GY	LAMINATION-LAM	VERY-V/
LIME-LM	GYPSUM-GYP	FOSSILIFEROUS-FOSS	LIMY-LMY	COARSE-CSE	GRANULAR-GRNL	VUGGY-VGY	STYLOLITIC-STY	WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE: OIL	RESIDUAL SATURATION PER CENT PORE: TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	2477-78	28	17.2	0.0	81.9	SS, GRY, VFN
2	2478-79	34	16.3	0.0	77.3	SS, GRY, VFN
3	2479-80	101	17.6	0.0	72.1	SS, GRY, VFN
4	2480-81	90	18.3	0.0	66.3	SS, GRY, VFN
5	2481-82	164	17.9	2.8	56.9	SS, GRY, VFN
6	2482-83	126	15.1	0.0	72.2	SS, GRY, VFN, VF
7	2483-84	57	13.4	0.0	84.3	SS, GRY, FN, SHLY
8	2484-85	103	18.2	0.0	89.0	SS, GRY, FN
9	2485-86	51	16.4	0.0	86.0	SS, GRY, FN, SL CALC
10	2486-87	57	16.1	0.0	71.4	SS, GRY, FN, SHLY
11	2487-88	10	16.1	0.0	72.7	SS, GRY, FN
12	2488-89	155	15.1	0.0	84.1	SS, GRY, FN
13	2489-90	40	15.6	0.0	87.1	SS, GRY, VFN, VF
14	2490-91	37	15.2	0.0	83.8	SS, GRY, VFN, VF
15	2491-92	0.41	13.9	0.0	72.0	SS, GRY, VFN
16	2492-93	2.3	14.9	0.0	65.8	SS, GRY, VFN
17	2493-94	2.1	14.1	0.0	68.1	SS, GRY, VFN
18	2494-95	0.83	14.9	0.0	61.0	SS, GRY, VFN
19	2495-96	10	13.2	0.0	59.9	SS, GRY, VFN
20	2496-97	63	15.9	0.0	76.1	SS, GRY, VFN
21	2497-98	69	16.5	0.0	82.4	SS, GRY, VFN
22	2498-99	0.41	11.5	0.0	60.0	SS, GRY, VFN
23	2499-00	28	15.2	0.0	75.7	SS, GRY, VFN
24	2500-01	109	17.4	0.0	86.7	SS, GRY, VFN
25	2501-02	72	16.9	0.0	85.9	SS, GRY, VFN
26	2502-03	118	16.8	0.0	72.6	SS, GRY, VFN
27	2503-04	31	10.6	0.0	77.3	SS, GRY, FN-MED, SL CALC

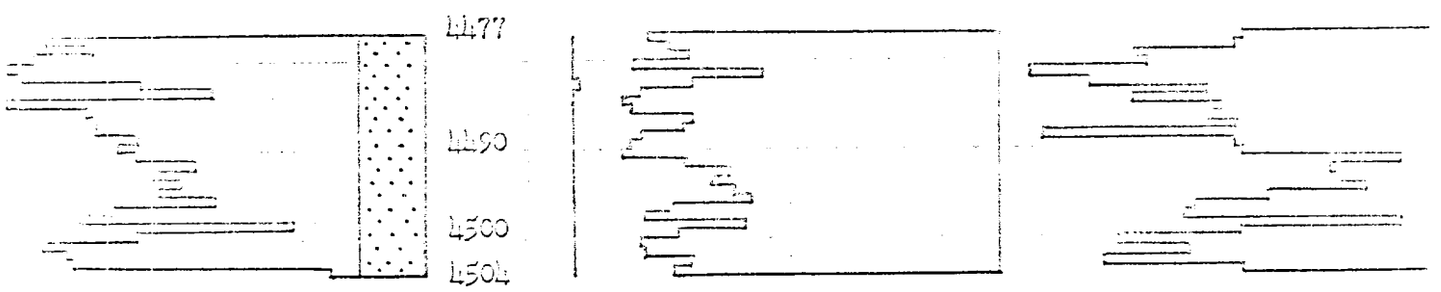
[illegible]CO OIL COMPANY	UNNAMED	[illegible]
# 5 [illegible]	SAN JUAN	2-[illegible]
SW SW Sec 2[illegible] - T 2[illegible]N - R 8W	NEW MEXICO	[illegible]

[illegible] OIL COMPANY
[illegible] 5 [illegible] LAKE [illegible]
[illegible]
[illegible] [illegible] N. MEX.
[illegible] - T 21N - R 8W

2-15-72
2-16-72
[illegible]
[illegible] OIL
CONVENTIONAL CORE [illegible]

[illegible]

[illegible]



INTERPRETATION OF DATA

4477.0 - 4504.0 feet - Believed to be non-productive due to low oil saturations and higher than normal water saturations.

These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is carried to original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas, [illegible] factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or abandonment pressures, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.

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