

## CORE ANALYSIS RESULTS

Company TENNECO OIL COMPANY Formation BARTLESVILLE File CP-10-1658  
 Well MORRISON UNIT (OIL) NO. 7 Core Type DIAMOND Date Report 3-27-68  
 Field LaHARPE Drilling Fluid WATER BASE MUD Analysts HUNT  
 County ALLEN State KANSAS Elev. 1052' GL Location 1908' FNL & 930' FEL OF NW/4 SEC. 22-25S-19

### 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	GYPSEUM-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		SAMPLE DESCRIPTION AND REMARKS
		PERM. MAX.	PERM. 90°		OIL	TOTAL WATER	
CONVENTIONAL ANALYSIS							
	792-99						CORE NO. 1
	799-818						Sh
	818-55						Sh, silty
							Drilled
							CORE NO. 2
	855-57						Sh, silty, few thin sd lam w/oil
1	857-57.5	1.2		17.7	18.6	56.5	Sd, shy, silty
	857.5-59.9						Sh, silty, few thin sd lam w/oil
2	859.9-60.4	0.9		12.0	16.7	65.5	Sd, shy, silty
	860.4-61.8						Sh, silty, sdy
3	861.8-63.0	42		21.4	33.1	27.0	Sd
4	63.0-64.0	80		21.0	36.2	23.3	Sd
5	64.0-65.0	19		23.0	36.9	20.0	Sd, silty
6	65.0-66.0	23		25.3	38.0	30.1	Sd, silty
7	66.0-67.0	16		22.2	36.9	31.0	Sd, silty
8	67.0-68.0	60		22.3	37.6	32.3	Sd
9	68.0-69.0	61		20.7	35.2	27.5	Sd
10	69.0-70.0	21		24.2	37.2	31.4	Sd, silty
11	70.0-71.0	38		22.3	35.0	27.8	Sd
12	71.0-72.0	53		23.2	35.8	28.9	Sd
13	72.0-73.0	35		21.2	45.6	25.0	Sd, hv oil
14	73.0-74.0	21		20.0	55.0	28.5	Sd, hv oil, sl/shy
15	74.0-75.0	25		21.2	57.6	28.3	Sd, hv oil, sl/shy
16	75.0-76.0	14		19.4	48.0	28.9	Sd, hv oil, sl/shy
17	76.0-77.0	23		20.3	56.1	29.6	Sd, hv oil, sl/shy
18	77.0-78.0	31		22.2	55.4	25.6	Sd, hv oil, sh lam
19	78.0-79.0	19		15.3	36.6	43.2	Sd, hv oil, sh lam
20	79.0-80.0	3.7		19.8	53.1	35.3	Sd, hv oil, sh lam
21	80.0-81.0	19		15.5	49.5	32.2	Sd, hv oil, sh lam
							CORE NO. 3
22	81.0-82.0	14		14.9	49.7	39.2	Sd, hv oil, sh lam, qtz
23	882.0-82.5	5.5		13.8	36.9	49.2	Sd, hv oil, sh lam
	882.5-909						Sh

THIS IS THE FINAL REPORT.

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COMPANY TENNECO OIL COMPANY FIELD LAHARPE FILE CP-10-1658  
 WELL MORRISON UNIT (OIL) NO. 7 COUNTY ALLEN DATE 3-27-68  
 LOCATION 1908' FNL & 930' FEL of STATE KANSAS ELEV. 1052' GL  
NW/4 SECTION 22-25S-19E

# CORE-GAMMA CORRELATION

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VERTICAL SCALE: 5" = 100'

## CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR)

GAMMA RAY  
RADIATION INCREASE →

## COREGRAPH

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

PERMEABILITY ———  
MILLIDARCS  
100 50 10 5 1

POROSITY ———  
PERCENT  
20 10

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

