

CORE ANALYSIS RESULTS

Company TENNECO OIL COMPANY Formation BARTLESVILLE File CP-10-1608
Well SALLEE R-28 Core Type DIAMOND Date Report 6-8-67
Field SOUTH LA HARPE Drilling Fluid WATER BASE MUD Analysts HUNT
County ALLEN State KANSAS Elev. 1055'GL Location 533'FNL 1347'FWL NW/4 SEC 14-25S-19E

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		SAMPLE DESCRIPTION AND REMARKS	
		PERM. MAX.	PERM. 90°		OIL	TOTAL WATER		

CONVENTIONAL ANALYSIS

1	801-02	<0.1		7.1	5.6	73.2	Sd, silty, sl/shy
	802-05.8						Siltstone, shy
2	805.8-07	4.4		18.3	7.6	68.9	Sd
3	807-08	48		20.2	4.5	85.6	Sd
4	808-09	68		23.1	3.9	76.2	Sd
5	809-10	38		21.9	5.0	75.7	Sd
6	810-11	69		23.6	3.8	75.0	Sd
7	811-12	134		24.2	4.6	84.2	Sd, few thin sh lams
8	812-13	12		24.9	4.4	63.8	Sd, few thin sh lams
9	813-14	38		26.7	4.1	69.2	Sd, few thin sh lams
10	814-15	37		22.4	6.2	74.0	Sd, few thin sh lams
11	815-16	19		23.2	6.0	68.5	Sd
12	816-17	31		22.0	6.4	68.6	Sd
13	817-18	16		21.6	6.5	66.2	Sd
14	818-19	14		21.3	6.6	69.1	Sd
15	819-20	12		22.1	6.3	64.6	Sd
16	820-21	55		22.3	6.3	67.6	Sd
17	821-22	17		23.2	6.9	68.0	Sd
18	822-23	17		22.1	7.2	67.4	Sd
19	823-24	48		21.1	6.6	67.8	Sd
20	824-25	44		24.5	6.5	69.4	Sd
21	825-26	89		21.3	6.6	69.3	Sd
22	826-27	43		23.2	7.8	68.1	Sd
23	827-28	92		22.4	7.1	67.9	Sd
24	828-29	136		21.2	7.5	67.5	Sd
25	829-30	43		23.3	7.7	74.2	Sd
26	830-31	14		20.3	9.8	69.0	Sd, few thin sh lams
27	831-32	73		22.6	10.2	57.5	Sd, few thin sh lams
28	832-33	53		21.0	11.4	60.8	Sd, few thin sh lams
29	833-34	75		23.8	13.0	64.2	Sd, few thin sh lams
30	834-35	84		22.2	10.8	67.0	Sd, few thin sh lams
31	835-36	27		22.2	20.2	52.6	Sd, few thin sh lams
32	836-37	60		23.5	22.9	58.6	Sd, few thin sh lams

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CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
33	837-38	10	18.2	43.9	38.4	Sd, few thin sh lams
34	838-39	29	18.9	40.7	38.1	Sd
35	839-40	14	19.9	45.2	37.2	Sd
36	840-41	38	20.6	55.0	28.6	Sd
37	841-42	104	22.5	44.4	28.4	Sd, few thin sh lams
38	842-43	74	23.2	58.2	22.4	Sd, few thin sh lams
39	843-44	2.9	14.8	56.6	28.4	Sd, few thin sh lams, silty
40	844-45	38	17.3	71.2	15.6	Sd
41	845-46	47	20.6	59.2	21.8	Sd
42	846-47	94	19.6	63.2	17.3	Sd
43	847-48	46	20.1	61.6	22.4	Sd
44	848-49	14	20.0	57.0	26.0	Sd
45	849-50	8.2	18.0	64.0	24.4	Sd, few thin sh lams, thin coal stk
46	850-51	117	21.0	44.2	33.8	Sd, few thin sh lams, thin coal stk
47	851-52	39	16.6	46.4	34.4	Sd, few thin sh lams, silty
	852-52.5					Shale, silty
48	852.5-53	6.2	15.9	49.0	32.0	Sd, thin sh lams, silty
49	853-54	75	23.3	56.2	15.1	Sd
50	854-55	31	17.3	58.4	23.7	Sd, few thin sh lams
51	855-56	55	19.4	48.4	22.2	Sd, few thin sh lams
52	856-57	48	20.4	56.8	21.1	Sd
53	857-58	78	19.4	56.6	19.6	Sd
54	858-59	5.1	18.4	57.2	19.7	Sd, few thin sh lams
55	859-60	88	22.4	52.6	17.1	Sd
56	860-61	0.4	13.5	17.8	60.6	Sd, sh lams
57	861-62	0.2	12.0	18.3	69.2	Sd, sh lams
58	862-62.5	2.8	15.0	30.6	54.6	Sd, sh lams
	862.5-63					Sh, silty, thin coal stk

THIS IS A FINAL REPORT.

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COMPANY TENNECO OIL COMPANY FIELD SOUTH LA HARPE FILE CP-10-1608
 WELL SALLEE R-28 COUNTY ALLEN DATE 6-12-67
 LOCATION 533'FNL 1347'FWL NW/4 STATE KANSAS ELEV. 1055'GL
SEC 14-25S-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

MILLIDARCY

100 50 10 5 1

POROSITY

PERCENT

20 10

OIL SATURATION

PERCENT PORE SPACE

0 20 40 60 80

