

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

DALLAS, TEXAS

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MURPHY NW FEDERAL NO. 1

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ANALYSIS : NEFF

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM MAXIMUM	PERM 90 DEG	HE FOR	OILZ PORE	WTRZ PORE	GRAIN DEN	DESCRIPTION
50	6602.0- 3.0	0.04	0.04	7.0	0.0	20.0	2.76	LM FOSS
51	6603.0- 4.0	0.05	0.03	3.5	0.0	35.6	2.72	LM FOSS STY
52	6604.0- 5.0	0.12	0.03	2.4	0.0	40.5	2.70	LM FOSS STY
53	6605.0- 6.0	0.23	0.04	1.9	0.0	51.9	2.70	LM VF FOSS STY
54	6606.0- 7.0	0.02	0.02	1.5	0.0	75.0	2.71	LM SL/F FOSS STY
55	6607.0- 8.0	0.02	<0.01	1.2	0.0	66.7	2.71	LM FOSS STY
56	6608.0- 9.0	<0.01	<0.01	1.1	0.0	71.4	2.72	LM STY
57	6609.0-10.0	0.03	<0.01	0.5	0.0	66.7	2.71	LM SL/F FOSS STY
58	6610.0-11.0	0.02	0.02	0.6	0.0	75.0	2.71	LM CALC F V FOSS STY
59	6611.0-12.0	0.03	0.03	0.4	0.0	75.0	2.71	LM SL/F FOSS STY
60	6612.0-13.0	0.50	0.20	0.5	0.0	83.3	2.71	LM FOSS STY
61	6613.0-14.0	0.02	0.02	0.5	0.0	80.0	2.71	LM SL/F FOSS STY
62	6614.0-15.0	0.08	0.04	0.5	0.0	80.0	2.71	LM F FOSS STY
63	6615.0-16.0	0.64	0.06	0.8	0.0	75.0	2.71	LM VF FOSS STY
64	6616.0-17.0	0.09	0.05	1.0	0.0	83.3	2.70	LM VF FOSS STY
65	6617.0-18.0	0.20	0.03	1.3	0.0	58.3	2.70	LM VF FOSS
*	6618.0-19.0	<0.01		0.1	0.0	62.7	2.69	LM VF FOSS
*	6619.0-20.0	<0.01		0.1	0.0	71.2	2.76	LM VF FOSS STY
*	6620.0-21.0	<0.01		0.2	0.0	74.9	2.71	LM F FOSS STY
69	6621.0-22.0	0.40	0.09	0.9	0.0	91.7	2.71	LM VF FOSS STY
70	6622.0-23.0	0.03	0.03	0.9	0.0	66.7	2.71	LM VF FOSS STY
71	6623.0-24.0	0.04	<0.01	0.6	0.0	60.0	2.71	LM VF FOSS STY
72	6624.0-25.0	0.05	0.05	0.7	0.0	75.0	2.71	LM SL/F FOSS STY
	6625.0-61.0							LOST CORE

* INDICATES PLUG PERMEABILITY

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