

JOHN L. VACUUM, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

HILLIPS PETROLEUM CO.
J. VACUUM GRAYBURG S.A. UNIT #3229-005

DATE : 5-6-79
FORMATION : GRAYBURG

FILE NO : 3202-11118
ANALYSTS : NEFF

FULL DIAMETER ANALYSIS

AMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (MD) 90 DEG	FOR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
20	4118.0-19.0	<0.1	<0.1	2.8	13.8	51.7	2.86	DOL, ANHY, SL/F
	4119.0-20.0	0.2	<0.1	3.6	43.2	32.4	2.86	DOL, ANHY, SL/F
	4120.0-21.0	<0.1	<0.1	2.9	28.9	44.7	2.81	DOL, SL/F
23	4121.0-22.0	<0.1	<0.1	3.3	24.1	36.2	2.83	DOL, ANHY, SL/F
24	4122.0-23.0	<0.1	<0.1	3.1	22.4	46.9	2.83	DOL, SL/F
25	4123.0-24.0	38.	<0.1	2.2	27.8	38.9	2.86	DOL, ANHY, SL/F
26	4124.0-25.0	<0.1	<0.1	4.1	15.9	40.6	2.83	DOL, ANHY, SL/F
27	4125.0-26.0	0.1	<0.1	1.8	39.1	34.8	2.86	DOL, F
28	4126.0-27.0	<0.1	<0.1	1.3	29.4	41.2	2.87	DOL, SL/F
29	4127.0-28.0	0.7	<0.1	5.4	23.5	23.5	2.83	DOL, V/F
30	4128.0-29.0	1.8	<0.1	3.5	33.9	30.5	2.84	DOL, SL/F
31	4129.0-30.0	27.	<0.1	2.1	25.0	39.3	2.87	DOL, V/F
32	4130.0-31.0	10.	<0.1	1.5	48.6	45.9	2.86	DOL, ANHY, F
	4131.0-42.0							DOL, SL/ANHY, DNS
33	4142.0-43.0	0.9	<0.1	1.7	51.9	44.4	2.86	DOL, ANHY, SL/F
	4143.0-44.0							DOL, SL/ANHY, DNS
34	4146.0-47.0	0.6	<0.1	1.1	24.4	64.7	2.86	DOL, SL/F
	4147.0-49.0							ANHY, DNS
	4149.0-50.0	1.6	<0.1	1.1	25.0	40.0	2.85	DOL, F
36	4150.0-51.0	0.2	0.1	1.0	14.3	78.6	2.86	DOL, ANHY, SL/F
37	4151.0-52.0	<0.1	<0.1	1.0	15.4	46.2	2.85	DOL, ANHY, F
38	4152.0-53.0	1.1	<0.1	1.1	21.0	52.6	2.87	DOL, ANHY, V/F
	4153.0-55.0							DOL, V/ANHY, DNS
CORE NO. 3 4155.0-4215.0 CUT 60' REC 60'								
39	4155.0-66.0	<0.1	<0.1	0.7	0.0	72.7	2.90	DOL, V/ANHY, DNS
	4166.0-67.0							DOL, ANHY
	4167.0-72.7							DOL, V/ANHY, DNS
	4172.7-74.8							REMOVED BY CLIENT

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