

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PHILLIPS PETROLEUM CO.
3. VACUUM GRAYBURG S.A. UNIT 3229-005

DATE : 5-6-79
FORMATION : GRAYBURG

FILE NO : 3202-11116
ANALYSTS : NEFF

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (MD) 90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
5 669	4861.0-62.0	2.6	2.4	8.8	7.4	33.0	2.84	DOL,SL/ANHY,V/F,V,STY,SHR
670	4862.0-63.0	5.7	3.6	8.4	13.0	31.7	2.83	DOL,SL/ANHY,STY,F,SHR,V
1	4863.0-64.0	1.5	1.1	7.8	10.2	35.0	2.81	DOL,SL/ANHY,F,V,STY,SHR
672	4864.0-65.0	1.0	0.5	8.3	12.3	27.4	2.84	DOL,STY,V,F,SHR
673	4865.0-66.0	5.0	2.8	8.8	10.3	28.7	2.81	DOL,STY,F,V,SHR
674	4866.0-67.0	1.4	1.1	6.7	11.6	29.5	2.82	DOL,F,V,STY,SHR
675	4867.0-68.0	0.8	0.4	2.7	20.9	48.8	2.83	DOL,V/F,SL/V,STY
676	4868.0-69.0	0.5	0.3	1.5	9.1	59.1	2.85	DOL,SL/ANHY,V/F
677	4869.0-70.0	4.5	2.5	4.0	10.0	41.4	2.84	DOL,SL/ANHY,V/F
678	4870.0-71.0	0.9	0.6	4.0	6.6	33.3	2.88	DOL,ANHY,SL/F
679	4871.0-72.0	1.7	1.5	5.7	9.0	52.0	2.85	DOL,ANHY,F,SL/V
680	4872.0-73.0	9.4	8.5	8.9	10.7	41.7	2.87	DOL,SL/ANHY,V/F
681	4873.0-74.0	2.4	1.4	6.7	8.3	42.9	2.84	DOL,SL/ANHY,V/F,STY,V
682	4874.0-75.0	2.9	9.7	6.5	13.3	39.8	2.86	DOL,SL/ANHY,STY,V/F,V
683	4875.0-76.0	3.8	3.7	10.5	16.7	29.7	2.86	DOL,SL/ANHY,SL/V,SL/F,STY
684	4876.0-77.0	2.6	2.2	10.4	10.0	31.8	2.85	DOL,SL/ANHY,STY,V,V/F
685	4877.0-78.0	8.3	5.7	6.5	13.7	32.9	2.85	DOL,SL/ANHY,STY,V,SL/F
686	4878.0-79.0	1.5	8.6	9.2	15.1	29.5	2.86	DOL,SL/ANHY,STY,V
687	4879.0-80.0	3.7	3.5	8.1	9.2	35.0	2.86	DOL,SL/ANHY,STY,V,SL/F
688	4880.0-81.0	3.1	2.3	12.0	9.0	34.0	2.85	DOL,SL/ANHY,SL/F,SL/V
689	4881.0-82.0	1.3	4.9	10.0	15.1	25.8	2.85	DOL,ANHY,STY,F,SL/V
690	4882.0-83.0	1.1	6.7	7.7	15.4	32.1	2.85	DOL,ANHY,STY,F,V
691	4883.0-84.0	2.9	1.8	13.2	24.3	23.6	2.85	DOL,SL/ANHY,STY,V,SL/F
692	4884.0-85.0	3.5	2.8	11.7	25.0	25.5	2.85	DOL,SL/ANHY,STY,SL/F,V
693	4885.0-86.0	6.5	3.8	12.9	13.3	31.6	2.85	DOL,ANHY,STY,V,V/F,FOSS
694	4886.0-87.0	2.7	2.0	12.2	10.2	34.2	2.84	DOL,SL/ANHY,STY,V,SL/F,FOSS
695	4887.0-88.0	1.4	1.1	10.2	17.4	31.0	2.85	DOL,SL/ANHY,V,SL/F,STY,FOSS
696	4888.0-89.0	2.0	1.3	12.5	20.5	24.4	2.86	DOL,SL/ANHY,STY,SL/F,V,FOSS
697	4889.0-90.0	1.1	1.1	11.7	20.1	30.2	2.85	DOL,SL/ANHY,STY,SL/F,V,FOSS
698	4890.0-91.0	1.5	7.6	12.3	21.2	25.4	2.87	DOL,ANHY,STY,SL/F,V,SHR

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