

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

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

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FORMATION : GRAYBURG

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ANALYSTS : NEFF

**FULL DIAMETER ANALYSIS**

SAMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (MD) 90 DEG	FOR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
499	4690.0-91.0	11.	9.8	11.7	22.1	25.5	2.84	DOL, SL/ANHY, OOL, STY, SL/F
499	4691.0-92.0	19.	17.	14.6	24.1	25.5	2.86	DOL, SL/ANHY, STY, OOL, SL/F
500	4692.0-93.0	20.	18.	10.2	16.0	38.9	2.84	DOL, SL/ANHY, V/F, STY, OOL
501	4693.0-94.0	10.	10.	14.7	25.1	26.2	2.86	DOL, SL/ANHY, STY, SL/F, OOL
502	4694.0-95.0	8.6	8.6	15.0	27.4	27.4	2.85	DOL, SL/ANHY, STY, OOL, SL/F
503	4695.0-96.0	5.3	7.5	16.0	31.0	25.7	2.89	DOL, SL/ANHY, STY, SL/F, OOL
504	4696.0-97.0	17.	16.	16.4	26.7	32.5	2.88	DOL, SL/ANHY, STY, OOL, V/F
505	4697.0-98.0	8.2	7.7	16.5	24.2	35.1	2.85	DOL, SL/ANHY, OOL
506	4698.0-99.0	12.	10.	17.5	31.0	28.0	2.88	DOL, SL/ANHY, OOL
507	4699.0-00.0	17.	15.	15.1	8.1	41.4	2.85	DOL, SL/ANHY, V/F, OOL
508	4700.0-01.0	8.5	5.5	11.9	9.4	44.2	2.83	DOL, SL/ANHY, SL/F, OOL
509	4701.0-02.0	9.9	3.9	14.5	30.1	22.8	2.85	DOL, V/F, OOL, STY
510	4702.0-03.0	43.	8.5	13.7	16.7	34.9	2.85	DOL, SL/ANHY, STY, OOL, V/F
511	4703.0-04.0	6.2	*	13.0	19.0	31.6	2.83	DOL, V/F, OOL, STY
512	4704.0-05.0	30.	28.	18.7	55.6	26.4	2.86	DOL, SL/ANHY, OOL
513	4705.0-06.0	13.	10.	18.5	28.3	35.9	2.89	DOL, SL/ANHY, OOL
514	4706.0-07.0	8.5	8.0	16.8	33.3	29.2	2.86	DOL, SL/ANHY, OOL
515	4707.0-08.0	28.	24.	15.9	23.2	35.9	2.86	DOL, SL/ANHY, SL/F, OOL
516	4708.0-09.0	15.	14.	15.8	11.3	47.0	2.86	DOL, SL/ANHY, OOL
517	4709.0-10.0	10.	9.2	15.0	13.6	42.5	2.84	DOL, SL/ANHY, OOL
518	4710.0-11.0	13.	13.	15.6	23.2	35.5	2.86	DOL, SL/ANHY, OOL
519	4711.0-12.0	32.	24.	16.6	33.4	27.5	2.83	DOL, SL/ANHY, OOL, SL/F
520	4712.0-13.0	19.	19.	13.2	24.9	30.6	2.92	DOL, SL/ANHY, STY, V/F, OOL
521	4713.0-14.0	30.	23.	15.7	25.3	32.5	2.87	DOL, SL/ANHY, V/F, STY, OOL
522	4714.0-15.0	25.	22.	16.4	31.6	24.4	2.87	DOL, SL/ANHY, STY, OOL, SL/F
523	4715.0-16.0	36.	30.	20.2	36.2	25.8	2.88	DOL, SL/ANHY, OOL
524	4716.0-17.0	13.	13.	17.3	34.6	25.3	2.87	DOL, SL/ANHY, OOL
525	4717.0-18.0	14.	14.	18.4	39.3	23.0	2.86	DOL, SHR, OOL
526	4718.0-19.0	29.	23.	14.5	28.0	27.0	2.82	DOL, SHR, SL/F, OOL
527	4719.0-20.0	13.	10.	7.7	16.7	43.5	2.83	DOL, SL/ANHY, V/F, OOL

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