

Core - Vacuum, Inc., Inc.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

PHILLIPS PETROLEUM CO.  
E. VACUUM GRAYBURG S.A. UNIT #3229-005 FORMATION : GRAYBURG  
DATE : 5-6-79

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ANALYSTS : NEFF

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (CMD) 90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN LEN	DESCRIPTION
173	4340.0-41.0	0.1	0.1	7.1	11.6	71.1	2.82	DOL,STY
174	4341.0-42.0	<0.1	<0.1	4.2	3.6	9.4	2.73	SD,DOL,SHY,STY
175	4342.0-43.0	1.8	1.7	10.9	11.7	41.6	2.65	SD,DOL
176	4343.0-44.0	0.5	0.4	10.8	19.8	39.3	2.68	SD,DOL
177	4344.0-45.0	<0.1	<0.1	6.6	8.8	74.2	2.81	DOL,ANHY,SL/V,FOSS
178	4345.0-46.0	<0.1	<0.1	6.1	7.8	83.6	2.82	DOL,SL/V,SL/F
179	4346.0-47.0	<0.1	<0.1	5.4	7.8	83.6	2.81	DOL,ANHY,SH LAM,SDY,SL/F,STY
180	4347.0-48.0	<0.1	<0.1	6.2	16.3	67.9	2.85	DOL,ANHY,SL/F,STY
181	4348.0-49.0	0.1	<0.1	5.8	25.7	65.7	2.86	DOL,ANHY,SH LAM,SL/SDY,STY
182	4349.0-50.0	<0.1	<0.1	6.3	14.2	81.8	2.84	DOL,ANHY,SH LAM,STY
183	4350.0-51.0	0.3	0.1	6.1	14.5	60.0	2.84	DOL,ANHY,SL/V,STY
184	4351.0-52.0	0.2	<0.1	4.5	19.0	56.3	2.85	DOL,ANHY,STY
185	4352.0-53.0	0.2	0.1	5.9	9.3	75.1	2.81	DOL,ANHY,SL/SHY,SL/V
186	4353.0-54.0	0.1	<0.1	2.0	35.1	51.9	2.83	DOL,ANHY,SL/V,STY
187	4354.0-55.0	0.3	<0.1	2.3	20.5	64.4	2.84	DOL,ANHY,STY
188	4355.0-56.0	<0.1	<0.1	4.5	8.7	81.7	2.82	DOL,ANHY,STY
189	4356.0-57.0	0.7	<0.1	5.0	12.2	81.1	2.83	DOL,ANHY
190	4357.0-58.0	0.9	0.1	5.8	14.9	76.8	2.84	DOL,ANHY,SL/F,STY
191	4358.0-59.0	<0.1	<0.1	4.1	31.8	63.1	2.85	DOL,ANHY,SL/V,STY
192	4359.0-60.0	0.3	<0.1	2.3	24.7	61.6	2.86	DOL,ANHY,SL/F,STY
193	4360.0-61.0	0.3	<0.1	4.4	26.5	34.3	2.86	DOL,ANHY,F,STY
194	4361.0-62.0	0.2	0.1	2.9	14.6	56.9	2.87	DOL,ANHY,SL/F,STY
195	4362.0-63.0	0.5	0.1	3.5	11.0	64.4	2.88	DOL,ANHY,SL/F,STY
196	4363.0-64.0	0.2	<0.1	7.9	20.0	31.7	2.85	DOL,ANHY,DOL,V/F,SL/V
197	4364.0-65.0	1.1	<0.1	6.9	23.2	46.2	2.81	DOL,ANHY,V/F,SL/V,DOL
198	4365.0-66.0	2.3	1.7	10.9	19.4	47.0	2.82	DOL,ANHY,F,SL/V,DOL
199	4366.0-67.0	0.5	0.1	6.4	11.2	78.5	2.87	DOL,ANHY,DOL,SL/V
200	4367.0-68.0	1.0	0.8	7.5	28.3	40.3	2.84	DOL,ANHY,SL/V,DOL
201	4368.0-69.0	4.8	0.7	3.7	29.1	62.8	2.87	DOL,ANHY,F,FOSS,STY
202	4369.0-70.0	0.9	0.1	3.0	5.7	78.6	2.88	DOL,ANHY,SL/V,SL/F,FOSS

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