

CHEVRON, U.S.A.
EUNICE MONUMENT S.U. #457
San Andres
Eunice Monument Field
Lea County, New Mexico

FULL DIAMETER CORE ANALYSIS
Gas-Driven Solvent Extraction Method

FILE NUMBER: 10150628
LABORATORY : Midland, Texas
ANALYSTS : Sybert, Bentz, Madrid, Bueno
DATE : October 10, 1985
PAGE : 4 of 12

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY TO AIR - MD			POROSITY % BULK VOLUME	FLUID SATURATIONS		GRAIN DENSITY	FLUORESCENCE	LITHOLOGICAL DESCRIPTION
		HORIZONTAL MAX.	90 DEG.	VERTICAL		% PORE VOLUME WATER	OIL			
76	3722.0 - 23.0	0.04	0.03	1.4	9.9	69.9	0.0	2.69	MOTT GOLD	SD, GY, DOL
77	** 3723.0 - 24.0	0.14	0.14	0.71	12.9	37.6	11.3	2.81	MOTT GOLD	DOL, TN, VFXLN, SLT, VUG
78	3724.0 - 25.0	0.16	0.09	0.64	12.4	27.6	12.9	2.80	MOTT GOLD	DOL, TN, VFXLN, VUG
79	3725.0 - 26.0	0.07	0.07	0.35	5.3	14.1	4.7	2.78	EV GOLD	DOL, TN, VFXLN, PPP, SLT, VTFRRAC
80	3726.0 - 27.0	0.22	0.18	1.6	9.9	8.6	4.3	2.83	EV GOLD	DOL, TN, VFXLN, PPP, SLT, VUG, VTFRRAC
81	3727.0 - 28.0	0.16	0.16	0.17	4.1	44.9	44.9	2.81	MOTT GOLD	DOL, TN, VFXLN, PPP, SLT
82	** 3728.0 - 29.0	3.0	2.0	2.2	7.8	15.1	15.1	2.85	EV GOLD	DOL, TN, VFXLN, VUG
83	3729.0 - 30.0	3.9	1.7	0.91	4.9	18.9	18.9	2.83	EV GOLD	DOL, TN, VFXLN, VUG
84	3730.0 - 31.0	0.21	0.19	0.07	2.6	44.6	0.0	2.83	EV GOLD	DOL, TN, VFXLN, VUG
85	3731.0 - 32.0	0.14	0.10	0.09	2.0	41.0	38.5	2.81	MOTT GOLD	DOL, TN, VFXLN, VUG
86	3732.0 - 33.0	0.16	0.10	1.4	2.1	46.5	34.9	2.81	MOTT GOLD	DOL, TN, VFXLN, VUG, VTFRRAC
87	3733.0 - 34.0	0.42	0.39	0.41	2.4	47.4	32.3	2.81	MOTT GOLD	DOL, TN, VFXLN, VUG
88	** 3734.0 - 35.0	0.09	0.04	0.02	9.8	18.1	20.1	2.73	EV GOLD	SD, TN, VFB, DOL
89	3735.0 - 36.0	0.25	0.19	254.	9.5	20.0	18.0	2.77	EV GOLD	DOL, TN, VFXLN, SLT, VTFRRAC
90	3736.0 - 37.0	0.21	0.09	0.26	1.6	51.8	19.4	2.83	MOTT GOLD	DOL, TN, VFXLN, VUG
91	3737.0 - 38.0	0.16	0.15	0.11	1.3	43.5	32.6	2.82	MOTT GOLD	DOL, TN, VFXLN
92	3738.0 - 39.0	0.12	0.10	0.01	2.1	49.2	41.0	2.81	MOTT GOLD	DOL, TN, VFXLN, PPP, SH LAM
93	3739.0 - 40.0	0.17	0.17	0.37	0.6	42.5	38.3	2.82	MOTT GOLD	DOL, TN, VFXLN
94	3740.0 - 41.0	0.17	0.15	0.80	0.4	43.6	52.2	2.82	MOTT GOLD	DOL, TN, VFXLN, PPP, STY
95	** 3741.0 - 42.0	1.4	1.2	(0.01	1.3	40.0	42.0	2.83	MOTT GOLD	DOL, TN, VFXLN, PPP, STY, VTFRRAC
96	** 3742.0 - 43.0	20.	0.39	9.2	2.7	56.8	0.0	2.81	MOTT GOLD	DOL, TN, VFXLN, PPP
97	3743.0 - 44.0	34.	27.	21.	11.0	34.5	3.3	2.85	EV GOLD	DOL, TN, VFXLN, VUG
98	3744.0 - 45.0	41.	21.	33.	11.1	11.5	12.9	2.85	EV GOLD	DOL, TN, VFXLN, FRRAC, PPP
99	3745.0 - 46.0	177.	42.	6.0	1.6	10.4	0.0	2.83	EV GOLD	DOL, TN, VFXLN, PPP, VTFRRAC
100	3746.0 - 47.0	0.54	0.51	1.2	1.7	13.2	0.0	2.83	MOTT GOLD	DOL, TN, VFXLN, FRRAC
101	3747.0 - 48.0	0.25	0.19	0.17	4.0	15.6	15.6	2.83	EV GOLD	DOL, TN, VFXLN, FRRAC

* PLUG ANALYSIS
** PRESERVED SAMPLE

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		HORIZONTAL MAX. 90 DEG.	VERTICAL		% PORE VOLUME WATER	% PORE VOLUME OIL			
C									
128	3774.0 - 75.0	0.12	*	0.07	6.1	22.3	11.1	2.84	EV BOLD DOL, GY, VFXLN, STY, PPP, VIFRAC
129	3775.0 - 76.0	0.04	0.04	(0.01)	1.6	24.8	0.0	2.84	SPT YL DOL, GY, VFXLN, S/P, VIFRAC
130	3776.0 - 77.0	0.08	0.08	(0.01)	9.5	17.7	34.1	2.82	MOTT YL DOL, TN, VFXLN, STY, VUB, BO
131	3777.0 - 78.0	0.02	0.01	(0.01)	5.8	35.6	3.8	2.80	TR YL DOL, TN, VFXLN, STY
132	3778.0 - 79.0	0.10	0.07	(0.01)	2.6	25.8	0.0	2.79	EV YL DOL, GY, VFXLN, SHY/BEED
133	3779.0 - 80.0	0.17	0.17	0.71	5.1	9.9	11.2	2.84	EV YL DOL, TN, VFXLN, STY, PPP, VIFRAC
134	3780.0 - 81.0	3.3	0.12	(0.01)	2.3	10.8	10.1	2.82	MOTT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
135	3781.0 - 82.0	0.20	0.19	0.01	3.6	21.2	6.4	2.85	MOTT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
136	3782.0 - 83.0	0.11	0.08	0.02	1.0	25.0	7.2	2.81	MOTT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
137	3783.0 - 84.0	0.12	0.03	0.05	7.1	34.5	4.6	2.69	EV YL DOL, GY, VFXLN, SLTY, BO
138	3784.0 - 85.0	0.14	0.05	0.03	6.1	16.5	5.5	2.68	EV YL DOL, TN, VFXLN, BO, PPP, SLTY
139	3785.0 - 86.0	0.07	0.05	(0.01)	12.5	17.7	21.7	2.75	EV YL DOL, TN, VFXLN, BO, PPP, SLTY
140	3786.0 - 87.0	0.17	(0.01)	0.05	5.6	9.7	10.9	2.84	SPT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
D									
141	3787.0 - 88.0	(0.01)	(0.01)	(0.01)	1.5	19.2	16.5	2.83	MOTT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
142	3788.0 - 89.0	0.22	0.02	0.83	2.6	15.7	17.7	2.81	EV YL DOL, TN, VFXLN, STY, VUB, BO, VIFRAC
143	3789.0 - 90.0	0.16	0.15	0.89	4.5	11.5	20.8	2.82	SPT YL DOL, TN, VFXLN, STY, VUB, BO, VIFRAC
144	3790.0 - 91.0	14.	14.	7.2	10.5	13.8	15.5	2.85	EV YL DOL, TN, VFXLN, STY, VIFRAC
145	** 3791.0 - 92.0	50.	30.	8.8	6.2	13.3	19.9	2.78	EV YL DOL, TN, VFXLN, STY, VUB, VIFRAC
146	3792.0 - 93.0	5.3	5.1	6.6	9.5	14.6	16.4	2.84	EV YL DOL, TN, VFXLN, STY, PPP, VIFRAC
147	3793.0 - 94.0	3.6	1.3	1.7	8.2	24.5	13.8	2.84	EV YL DOL, TN, VFXLN, STY, PPP, VIFRAC
148	3794.0 - 95.0	13.	13.	1.30	12.1	14.0	26.5	2.84	SPT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
149	** 3795.0 - 96.0	0.15	0.11	(0.01)	6.1	23.6	17.7	2.79	MOTT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
150	3796.0 - 97.0	69.	14.	0.10	8.7	21.2	19.8	2.81	MOTT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
151	3797.0 - 98.0	0.46	0.12	0.02	5.0	28.2	18.1	2.80	MOTT YL DOL, TN, VFXLN, STY, PPP, VIFRAC
152	3798.0 - 99.0	0.16	0.13	(0.01)	2.9	50.5	0.0	2.79	EV YL DOL, GY, VFXLN, S/P

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