CORE ANALYSIS RESULTS

Company AMOCO PRODUCTION COMPANY | Formation COUNCIL GROVE | File 3402-8047
Well MAY BEATY "E" NO. 2 | Core Type DIAMOND | Date Report 5-31-74
Field PANOMA | Drilling Fluid WATER BASE MUD W/4% OIL | Analysts BOYLE
County KEARNY State KANSAS Elev. 3192' KB Location SEC. 20-25S-38W

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL, BROWN-BRN, GRAY-GY, VUGGY-VGY, FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY, SLIGHTLY-SL, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS PERM. MAX.	PERM. 90°	POROSITY PER CENT	GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
	WHOLE-CORE ANALYSIS					
1	2608.0-09.0	0.1	0.1	5.3	2.68	Lm
2	09.0-10.0	0.7	0.7	11.0	2.70	Lm
3	10.0-11.0	0.9	0.9	7.1	2.74	Lm
4	11.0-12.0	0.7	0.7	9.0	2.72	Lm
5	12.0-13.0	0.4	0.4	9.1	2.70	Lm
6	13.0-14.0	0.7	0.5	10.2	2.74	Sd,v/slty,anhy
7	14.0-15.0	1.6	1.1	10.0	2.75	Sd,v/slty,anhy
8	15.0-16.0 #	20	20	6.8	2.73	Lm,slty,sdy
9	16.0-17.0	1.5	<0.1	4.7	2.72	Lm,vert frac
10	17.0-18.0 #	16	10	5.4	2.73	Lm,shy
11	18.0-19.0	4.4	3.4	25.3	2.83	Dol
12	19.0-20.0	0.4	0.2	9.5	2.74	Sd,slty,lmy,shy
13	20.0-21.0 #	16	14	6.1	2.72	Sd,v/slty,lmy
14	21.0-22.0 #		0.1*	9.4	2.73	Sd,v/slty,lmy
15	22.0-23.0 #	50	44	9.0	2.74	Sd,v/slty,lmy,anhy
16	23.0-24.0 #	53	27	9.1	2.76	Sd,v/slty,lmy,anhy
17	24.0-25.0 #	47	38	8.7	2.72	Sd,v/slty,lmy,anhy
18	25.0-26.0 #	23	19	7.1	2.74	Sd,v/slty,lmy,anhy
19	26.0-27.0	0.1	0.1	4.5	2.67	Sd,v/slty,lmy,anhy
20	27.0-28.0	0.1	<0.1	6.7	2.72	Sd,v/slty,lmy,anhy
21	28.0-29.0 #	30	15	7.4	2.74	Sd,v/slty,lmy,anhy
22	29.0-30.0 #	1.6	<0.1	4.9	2.70	Sd,v/slty,lmy,anhy
23	30.0-31.0	0.5	0.1	7.5	2.71	Sd,v/slty,lmy,anhy
24	31.0-32.0	0.1	0.1	10.7	2.71	Sd,v/slty,lmy,anhy
25	32.0-33.0 #	3.7	3.6	17.4	2.70	Sd,sl/slty,lmy,anhy
26	33.0-34.0 #	0.7	0.2	10.8	2.70	Sd,slty,lmy,anhy
27	34.0-35.0 #		0.1*	11.4	2.72	Sd,slty,lmy,anhy
28	35.0-36.0 #	0.2	0.1	6.5	2.70	Sd,slty,lmy,anhy
29	36.0-37.0	0.1	0.1	9.7	2.71	Sd,slty,lmy,anhy
30	37.0-38.0	0.1	0.1	9.5	2.71	Sd,slty,lmy,anhy
31	38.0-39.0	3.7	2.1	8.7	2.68	Sd,slty,lmy,anhy
32	39.0-40.0 #		0.3*	12.6	2.74	Slt,lmy,v/shy
33	40.0-41.0 #	35	23	13.4	2.72	Slt,shy,sdy
34	41.0-42.0 #		0.2*	10.9	2.69	Slt,lmy,shy
35	42.0-43.0	0.1	0.1	5.1	2.69	Lm
36	43.0-44.0	0.1	0.1	5.3	2.75	Lm,anhy
37	44.0-45.0	0.1	0.1	4.0	2.71	Lm
38	2645.0-46.0	1.4	0.4	4.1	2.71	Lm,shy

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX.	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
39	2646.0-47.0 #		0.1*	9.0			2.77	Lm,v/shy,anhy
40	47.0-48.0 #		0.1*	10.3			2.77	Sh,slty,lmy
	48.0-66.0							Lost Core
41	66.0-67.0	0.1	0.1	1.9			2.70	Lm
42	67.0-68.0	0.1	<0.1	2.4			2.72	Lm
43	68.0-69.0 #	1.3	0.3	4.4			2.71	Lm,shy
44	69.0-70.0	0.1	<0.1	4.2			2.73	Lm,anhy
45	70.0-71.0	0.1	0.1	7.5			2.74	Lm,anhy
46	71.0-72.0	0.1	0.1	7.8			2.73	Lm
47	72.0-73.0	0.1	0.1	5.2			2.71	Lm
48	73.0-74.0	0.2	0.1	4.7			2.67	Lm,shy,vert frac
49	74.0-75.0 #	3.9	2.1	4.4			2.70	Lm,shy
50	75.0-76.0 #		0.1*	7.3			2.74	Lm,v/shy
51	76.0-77.0 #	1.2	0.8	2.8			2.70	Lm,shy
52	77.0-78.0	1.9	1.4	8.5			2.69	Lm,shy
53	78.0-79.0	0.1	0.1	7.1			2.72	Lm,shy,anhy
54	79.0-80.0	0.3	0.3	5.2			2.65	Lm,chty
55	80.0-81.0 #	0.9	<0.1	2.3			2.69	Lm,shy
	81.0-82.0							Lost Core
56	82.0-83.0 #	0.1	<0.1	2.4			2.68	Lm,shy
57	83.0-84.0		0.1*	8.4			2.70	Lm,v/shy
58	84.0-85.0		0.1*	8.2			2.76	Lm,v/shy
59	85.0-86.0 #	78	33	7.2			2.73	Slt,lmy
60	86.0-87.0 #		0.3*	9.5			2.75	Slt,lmy
61	87.0-88.0 #	59	40	7.1			2.73	Slt,lmy
62	88.0-89.0		0.4*	10.6			2.75	Slt,lmy,shy
63	89.0-90.0	0.1	0.1	12.8			2.82	Sd,slty,anhy
64	90.0-91.0	0.1	0.1	7.4			2.80	Sd,slty,anhy
65	91.0-92.0 #	0.9	0.2	10.6			2.80	Sd,slty,v/anhy
66	92.0-93.0		0.7*	13.0			2.72	Sd,slty,lmy,vert frac
67	93.0-94.0	0.3	0.3	10.8			2.71	Sd,slty,lmy
68	94.0-95.0	0.3	0.3	10.8			2.73	Sd,slty,lmy
69	95.0-96.0	0.3	0.2	9.5			2.75	Sd,slty,lmy,sl/anhy
70	96.0-97.0	0.4	0.3	9.6			2.74	Sd,slty,lmy,sl/anhy
71	97.0-98.0 #		0.7*	12.0			2.71	Sd,slty
72	98.0-99.0	2.9	0.7	11.6			2.70	Sd,slty
73	99.0-00.0 #	158	108	14.3			2.76	Slt,shy,anhy
74	2700.0-01.0 #	3.8	3.5	8.9			2.71	Slt,lmy,sdy,anhy
75	01.0-02.0 #	14	9.2	9.1			2.72	Slt,lmy,sdy,anhy
76	02.0-03.0		0.3*	17.0			2.80	Slt,shy,anhy
77	03.0-04.0	0.1	<0.1	7.5			2.76	Lm,slty,shy,anhy
78	04.0-05.0	0.1	0.1	6.2			2.73	Lm,slty,shy,anhy
79	05.0-06.0	0.1	0.1	8.6			2.76	Lm,slty,sl/shy
80	06.0-07.0 #	1.8	0.5	4.3			2.72	Lm
81	07.0-08.0	0.2	0.2	5.9			2.72	Lm,slty,shy
82	08.0-09.0	1.3	1.2	10.3			2.71	Lm,slty,shy
83	2709.0-10.0	1.9	1.6	10.9			2.71	Lm,slty,shy

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX.	90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	TOTAL WATER	GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
84	2710.0-11.0	0.3	0.3	8.6			2.69	Lm,slty,shy
85	11.0-12.0	0.1	0.1	4.8			2.72	Lm,slty,shy
86	12.0-13.0	0.5	0.2	5.1			2.73	Lm,slty,shy
87	13.0-14.0	0.1	<0.1	3.6			2.75	Lm,slty,sl/shy
88	14.0-15.0	<0.1	<0.1	2.8			2.71	Lm,slty,sl/shy
89	15.0-16.0		0.2*	16.5			2.74	Slt,v/shy
90	16.0-17.0		2.6*	15.5			2.72	Slt,lmy,v/shy
91	17.0-18.0 #	6.8	3.1	7.4			2.70	Slt,lmy,anhy
92	18.0-19.0		0.1*	8.5			2.71	Slt,lmy,v/shy,anhy
93	19.0-20.0 #	24	6.4	4.9			2.71	Slt,lmy,anhy
94	20.0-21.0 #	1.6	0.9	4.8			2.70	Slt,lmy,anhy
95	21.0-22.0 #	8.5	4.5	4.5			2.70	Slt,lmy,anhy
96	22.0-23.0 #	28	24	6.6			2.75	Slt,v/lmy,v/shy
97	23.0-24.0	0.1	0.1	7.5			2.71	Slt,lmy,shy,anhy
98	24.0-25.0 #	129	91	9.1			2.76	Slt,lmy,shy
99	25.0-26.0 #		0.2*	15.3			2.78	Slt,shy,anhy
100	26.0-27.0 #	145	125	11.3			2.74	Slt,lmy,shy,anhy
101	27.0-28.0		0.1*	8.7			2.74	Slt,lmy,shy,anhy
102	28.0-29.0 #	62	28	6.5			2.71	Slt,lmy,anhy
103	29.0-30.0 #	1.4	1.1	5.0			2.70	Slt,lmy,anhy
104	30.0-31.0 #	2.1	0.2	4.2			2.70	Slt,lmy,shy,anhy
105	31.0-32.0		0.1*	9.7			2.74	Slt,lmy,shy,anhy
106	32.0-33.0		0.1*	10.2			2.81	Slt,lmy,shy,anhy
107	33.0-33.6		0.3*	11.4			2.79	Slt,lmy,shy,anhy
	33.6-40.0							Lost Core
108	40.0-41.0	0.5	0.1	3.5			2.74	Lm
109	41.0-42.0	0.1	0.1	3.6			2.73	Lm
110	42.0-43.0	0.1	0.1	3.7			2.75	Lm
111	43.0-44.0		0.1*	8.6			2.73	Slt,lmy
112	44.0-45.0 #	3.3	2.6	10.8			2.76	Sd,slty,lmy
113	45.0-46.0 #		0.3*	11.5			2.71	Slt,lmy,shy
114	46.0-47.0	0.5	0.4	6.2			2.68	Sd,slty,lmy
115	47.0-48.0	0.1	0.1	5.1			2.67	Sd,slty,lmy
116	48.0-49.0 #	7.5	<0.1	8.0			2.68	Sd,slty
117	49.0-50.0		0.1*	10.8			2.75	Slt,lmy,shy,sdy,anhy
118	50.0-51.0 #	0.3	0.3	8.5			2.71	Sd,slty,lmy
119	51.0-52.0 #	0.1	0.1	9.0			2.70	Sd,lmy
120	52.0-53.0 #	0.3	0.1	8.4			2.68	Sd,slty,lmy
121	53.0-54.0 #	0.5	0.1	6.6			2.67	Sd,slty,lmy
122	54.0-55.0 #	48	46	9.6			2.78	Sd,slty,lmy,anhy
123	55.0-56.0	0.1	0.1	6.8			2.67	Sd,slty,lmy,anhy
124	56.0-57.0	0.1	0.1	10.3			2.72	Sd,slty,lmy,anhy
125	57.0-58.0	0.1	0.1	12.3			2.72	Sd,slty,lmy
126	58.0-59.0	0.1	0.1	12.2			2.74	Sd,slty,lmy
127	59.0-60.0	0.3	0.2	9.6			2.72	Sd,slty,lmy
128	60.0-61.0 #	40	6.7	8.7			2.72	Sd,slty,lmy
129	2761.0-62.0 #		0.2*	9.8			2.74	Slt,lmy,shy

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX.	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
130	2762.0-63.0	0.1	<0.1	3.1			2.70	Lm,sl/shy
131	63.0-64.0	0.1	0.1	4.4			2.70	Lm,sl/shy
132	64.0-65.0	0.1	<0.1	7.6			2.70	Sd,slty,lmy
133	65.0-66.0	0.1	0.1	7.3			2.69	Sd,slty,lmy
134	66.0-67.0	0.2	0.1	9.1			2.70	Sd,slty,lmy
135	67.0-68.0 #	0.4	0.2	9.8			2.70	Sd,slty,lmy
136	68.0-69.0 #	11	1.1	9.4			2.71	Sd,slty,lmy
137	69.0-70.0 #	8.4	5.8	9.3			2.72	Sd,slty,lmy
138	70.0-71.0 #	25	10	10.8			2.75	Sd,slty,lmy
139	71.0-72.0 #	47	7.6	11.8			2.70	Sd,slty,lmy,shy
140	72.0-73.0	0.8	0.7	14.2			2.71	Sd,slty,lmy
141	73.0-74.0 #	1.3	1.2	15.9			2.70	Sd,slty,lmy
142	74.0-75.0	2.3	2.3	16.8			2.70	Sd,slty,lmy
143	75.0-76.0	1.2	1.2	15.5			2.70	Sd,slty,lmy
144	76.0-77.0	0.7	0.6	14.1			2.67	Sd,slty,lmy
145	77.0-78.0	0.5	0.5	15.0			2.69	Sd,slty,lmy
146	78.0-79.0	3.3	0.9	15.7			2.69	Sd,slty,lmy
147	79.0-80.0		0.2*	10.8			2.68	Slt,lmy,shy
148	80.0-81.0 #	11	7.9	11.0			2.71	Slt,lmy,shy
149	81.0-82.0		0.2*	13.7			2.76	Slt,lmy,v/shy
150	82.0-83.0	1.8	1.3	11.8			2.70	Lm
151	83.0-84.0	1.1	0.9	10.7			2.77	Lm
152	84.0-85.0	0.2	0.2	6.7			2.77	Lm
153	85.0-86.0	0.1	0.1	4.7			2.76	Lm
154	86.0-87.0	0.1	0.1	10.9			2.77	Lm
155	87.0-88.0		0.3*	14.3			2.73	Slt,shy
156	88.0-89.0 #	78	36	14.7			2.77	Slt,lmy,shy,anhy
157	89.0-90.0		<0.1*	14.9			2.80	Slt,lmy,v/shy,anhy
158	90.0-91.0		<0.1*	13.8			2.79	Slt,lmy,v/shy,anhy
159	91.0-92.0		<0.1*	12.9			2.79	Slt,lmy,v/shy,anhy
160	92.0-93.0		0.1*	8.8			2.69	Slt,lmy,v/shy,anhy
161	93.0-94.0		0.1*	16.5			2.87	Slt,lmy,v/shy,anhy
162	94.0-95.0	0.2	0.2	2.0			2.71	Lm
163	95.0-96.0	21	0.1	2.6			2.73	Lm,sty
164	96.0-97.0	1.8	1.7	18.2			2.80	Dol,lmy,sl/shy
165	97.0-98.0	0.8	0.8	13.1			2.79	Dol,lmy
166	98.0-99.0	1.0	0.9	14.5			2.81	Dol,lmy,sl/anhy
167	99.0-00.0	1.0	1.0	14.7			2.82	Dol,lmy,sl/anhy
168	2800.0-01.0	1.1	1.0	13.3			2.81	Dol,lmy,sl/anhy
169	01.0-02.0	1.0	0.9	12.0			2.80	Dol,lmy,anhy
170	02.0-03.0	0.9	0.4	5.2			2.85	Dol,lmy,anhy
171	03.0-04.0	0.8	0.7	12.8			2.75	Dol,lmy,sl/anhy
172	04.0-05.0	0.9	0.2	11.3			2.74	Dol,lmy,anhy,vert frac
173	05.0-06.0	7.5	0.8	10.9			2.76	Dol,lmy,anhy,vert frac
174	06.0-07.0	0.3	0.2	10.0			2.80	Dol,lmy,anhy,vert frac
175	07.0-08.0	0.3	0.3	9.9			2.78	Dol,lmy,anhy,vert frac
176	2808.0-09.0	0.1	0.1	5.9			2.72	Dol,lmy,sl/shy,anhy

CORE ANALYSIS RESULTS

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177	2809.0-10.0		0.1*	18.8			2.67	Slt,lmy,v/shy
178	10.0-11.0 #		0.1*	20.3			2.72	Slt,lmy,v/shy
179	11.0-12.0 #		0.1*	9.0			2.58	Slt,lmy,v/shy
180	12.0-13.0 #		0.3*	10.5			2.75	Slt,lmy,v/shy
181	13.0-14.0 #		22*	14.8			2.66	Slt,lmy,v/shy
182	14.0-15.0 #		0.2*	14.6			2.74	Slt,lmy,v/shy
183	15.0-16.0 #		18*	17.6			2.71	Slt,lmy,v/shy
184	16.0-17.0 #		0.1*	12.7			2.75	Slt,lmy,v/shy
185	17.0-18.0 #		0.2*	8.0			2.66	Slt,lmy,v/shy
186	18.0-19.0 #		7.3*	17.3			2.70	Slt,lmy,v/shy
187	19.0-20.0 #		6.6*	9.8			2.75	Slt,lmy,v/shy
188	20.0-21.0 #	236	216	10.0			2.73	Slt,lmy,v/shy
189	21.0-22.0 #		0.5*	16.5			2.71	Slt,lmy,v/shy
190	22.0-23.0 #		6.5*	11.4			2.71	Slt,lmy,v/shy
191	23.0-24.0 #	117	100	10.2			2.68	Slt,lmy,shy
192	24.0-25.0 #	23	12	11.5			2.79	Slt,lmy,shy,anhy
193	25.0-26.0 #	53	31	5.7			2.68	Slt,lmy,anhy
194	26.0-27.0 #		0.2*	10.3			2.75	Slt,lmy,shy,anhy
195	27.0-28.0 #	63	58	10.0			2.75	Slt,lmy,shy,anhy
196	28.0-29.0 #		0.3*	11.1			2.75	Slt,lmy,shy,anhy
197	29.0-30.0 #	134	86	10.4			2.75	Slt,lmy,shy,anhy
198	30.0-31.0 #		0.1*	9.6			2.64	Slt,lmy,shy,anhy
199	31.0-32.0 #	62	30	13.8			2.73	Slt,lmy,shy,anhy
200	32.0-33.0 #		0.1*	10.6			2.78	Slt,lmy,shy,anhy
201	33.0-34.0 #	47	41	9.9			2.75	Slt,lmy,shy,anhy
202	34.0-35.0 #	92	70	14.0			2.76	Slt,lmy,shy,anhy
203	35.0-36.0		11.9*	15.2			2.73	Slt,lmy,shy,anhy
204	36.0-37.0 #		1.0*	18.5			2.66	Slt,lmy,shy,anhy
205	37.0-38.0 #	1.8	1.8	9.0			2.70	Slt,lmy,shy,anhy
206	38.0-39.0 #		4.4*	10.5			2.76	Slt,lmy,shy,anhy
207	39.0-40.0 #		0.1*	13.1			2.59	Slt,lmy,shy,anhy
208	40.0-41.0	0.7	0.7	1.6			2.71	Lm,dol,sty
209	41.0-42.0	0.2	0.2	2.7			2.76	Lm,dol,sty
210	42.0-43.0	1.8	1.1	18.4			2.76	Lm,dol,anhy
211	43.0-44.0	0.6	0.5	7.2			2.78	Lm,dol,anhy
212	44.0-45.0	0.9	0.7	10.9			2.75	Lm,dol,anhy,vgy
213	45.0-46.0	0.9	0.7	11.2			2.75	Lm,dol,anhy,vgy
214	46.0-47.0	0.2	0.1	6.4			2.72	Lm,dol,shy,anhy,vgy
215	47.0-48.0	3.5	2.6	9.6			2.71	Lm,dol,anhy,vgy
216	48.0-49.0	0.2	0.1	5.3			2.65	Lm,sl/shy,vgy
217	49.0-50.0	0.1	0.1	4.4			2.65	Lm,shy
218	50.0-51.0 #	1.7	0.5	7.5			2.72	Lm,slty,shy
219	51.0-52.0 #	1.1	0.4	8.0			2.94	Lm,slty,shy
220	52.0-53.0 #	25	17	4.8			2.70	Lm,slty,shy
221	53.0-54.0 #	10	8.0	4.1			2.73	Lm,slty,shy
222	54.0-55.0 #		<0.1*	5.2			2.73	Lm,slty,shy
223	2855.0-56.0 #	8.7	6.3	5.1			2.67	Slt,lmy,shy

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS MAX.	PERMEABILITY MILLIDARCYS 90°	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	GRAIN DENS.	SAMPLE DESCRIPTION AND REMARKS
224	2856.0-57.0 #	8.8	6.4	4.6			2.72	Slt,lmy,shy
225	57.0-58.0 #	4.2	2.4	3.5			2.69	Slt,lmy,shy
226	58.0-59.0 #	6.0	5.2	3.9			2.70	Slt,lmy,shy
227	59.0-60.0 #	5.2	4.3	4.1			2.70	Slt,lmy,shy
228	60.0-61.0 #	4.7	4.5	4.6			2.69	Slt,lmy,shy
229	61.0-62.0 #	2.2	1.5	3.4			2.66	Slt,lmy,shy
230	62.0-63.0 #	2.7	2.2	3.2			2.69	Slt,lmy,shy
231	63.0-64.0 #	5.4	3.3	4.4			2.72	Slt,lmy,shy
232	64.0-65.0 #	5.8	5.8	6.4			2.76	Slt,lmy,shy
233	65.0-66.0 #	48	12	7.5			2.74	Slt,lmy,shy
234	66.0-67.0 #	12	3.3	6.4			2.72	Slt,lmy,shy
235	67.0-68.0 #	4.3	4.1	5.6			2.72	Slt,lmy,shy
236	68.0-69.0 #	2.0	1.2	4.7			2.66	Slt,lmy,shy
237	69.0-70.0 #	1.1	0.2	2.5			2.71	Lm,shy
238	70.0-71.0	0.1	0.1	5.5			2.71	Lm
239	71.0-72.0 #	312	0.7	3.7			2.71	Lm,vert frac
240	72.0-73.0 #		0.2*	10.8			2.73	Slt,lmy,shy
241	73.0-74.0 #	59	15	10.5			2.77	Slt,lmy,shy
242	74.0-75.0 #	83	67	12.5			2.76	Slt,lmy,shy
243	75.0-76.0 #	43	26	7.5			2.73	Slt,lmy,shy
244	76.0-77.0 #		0.2*	9.6			2.75	Lm,slty,shy
245	77.0-78.0	0.1	<0.1	3.2			2.71	Lm,shy
246	2878.0-79.0	0.1	<0.1	3.1			2.70	Lm,shy

# DENOTES CHAOTIC FISSURING
* DENOTES PLUG PERMEABILITY

15-093-20134
20-25-38W

CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY	AMOCO PRODUCTION COMPANY	FIELD	PANOMA	FILE	3402-8047
WELL	HAY BEATY "E" NO. 2	COUNTY	KEARNY	DATE	6-3-74
LOCATION	SEC. 20-25S-38W	STATE	KANSAS	ELEV.	3192' KB

-547
2645

CORE-GAMMA CORRELATION

VERTICAL SCALE 5 = 100'

CORE-GAMMA SURFACE LOG

(PATENT APPLIED FOR)

GAMMA RAY
RADIATION INCREASE →

COREGRAPH

PERMEABILITY
MILLIDARCYS
100 50 10 5 1

POROSITY
PERCENT
20 10

TOTAL WATER
PERCENT TOTAL WATER
90 60 40 20

OIL SATURATION
PERCENT PORE SPACE
0 20 40 60 80

2608
2650
2700
2750
2800

A silt & sand
A lime
B silt & sand
B lime
C silt & sand
C lime
D silt
D lime
E silt

CORE-GAMMA SURFACE LOG

(PATENT APPLIED FOR)

GAMMA RAY

RADIATION INCREASE →

COREGRAPH

TOTAL WATER

PERCENT TOTAL WATER

80 60 40 20 0

PERMEABILITY

MILLIDARCYS

100 50 10 5 1

POROSITY

PERCENT

20 10

OIL SATURATION

PERCENT PORE SPACE

0 20 40 60 80

2608

2650

2700

2750

2800

2850

2879

A silt & sand

A lime

B silt & sand

B lime

C silt & sand

C lime

D silt

D lime

E silt