

Pioneer Natural Resources Stuart 3-34R Well
Grant County, Kansas

Key
SO = Shoal
SF = Shoal Flank
TF = Tidal Flat
PS = Paleosol/Coastal Plain
SL = Shelf/Lagoon

Key
TBFA = To broken for analysis

CORE DATA

Sample No.	DEPTH	Core Por. (%BV)	Core Perm. (md)	Gr. Density (g/cc)	Facies	Shoal Package	ROP	LITHOLOGY	FORMATION/MEMBER	LOG D-N PHI
1	2755	4.5	0.71	2.71	SO1	1	5	Ls sl sily tr fos tr por		4.5
2	2756	8.1	0.03	2.72	SO1	1	5	Ls sl-mod sily tr fos tr-sct por		5.2
3	2757	11.7	0.65	2.69	SO1	1	5	Ls mod sily tr sdy tr-sct por		7.4
4	2758	9.0	0.1	2.69	TF		4	Ls mod sily tr sdy tr-sct por		9.5
5	2759	10.1	0.01	2.70	TF		4	Ls mod sily sl-tr sdy sct por		11.2
6	2760	11.1	0.06	2.68	TF		4	Ls sl-mod sily sl sdy sct por		11.8
7	2761	9.1	0.02	2.68	TF		5	Ls sl-mod sily sl sdy tr-sct por		11.2
8	2762	9.5	0.01	2.68	TF		4	Ls sl-mod sily sl sdy tr-sct por		10.9
9	2763	10.9	0.52	2.69	TF		5	Ls sl-mod sily sl sdy sct por		16.3
	2764	NO ANALYSIS			PS		4	No sample selected for analysis		26.9
	2765	NO ANALYSIS			PS		5	No sample selected for analysis		26.1
11	2766	9.1	TBFA	2.72	PS		5	Rdbd brn-rdbm mod sily sl calc frac tr por		22.9
12	2767	7.0	TBFA	2.81	PS		9	Rdbd brn-rdbm sily anhy incl calc frac tr por		18.4
13	2768	16.0	TBFA	2.79	PS		8	Rdbd brn-rdbm sily anhy incl calc frac tr por		17.7
14	2769	9.0	TBFA	2.73	PS		7	Rdbd rdbm-gygn mod sily mod calc frac tr por		11.6
15	2770	10.1	<0.01	2.79	PS		6	Rdbd brn-rdbm sily anhy incl calc tr por		10.7
16	2771	8.9	<0.01	2.73	PS		6	Rdbd rdbm-brn mod sily mod calc tr por		9.8
17	2772	8.8	9.02	2.72	PS		12	Rdbd rdbm-brn mod sily mod calc frac tr por		12.1
18	2773	8.7	TBFA	2.74	PS		9	Rdbd rdbm-brn mod sily mod calc frac tr por		12.0
19	2774	8.1	<0.01	2.72	PS		8	Rdbd rdbm-brn mod sily tr calc tr por		10.4
20	2775	3.5	TBFA	2.91	PS		10	Rdbd rdbm anhy incl sl calc frac tr por		19.5
21	2776	8.9	TBFA	2.74	PS		13	Rdbd brn-rdbm mod sily sl sdy frac tr por		19.7
22	2777	13.6	TBFA	2.75	PS		15	Rdbd brn-rdbm mod sily sl sdy frac sct por		15.6
23	2778	13.0	TBFA	2.73	PS		11	Rdbd brn-rdbm mod sily sl sdy frac sct por		14.8
24	2779	7.6	<0.01	2.73	PS		15	Rdbd brn-rdbm mod sily sl sdy tr por		12.2
25	2780	16.2	TBFA	2.74	PS		13	Sh gy-gygn mod sily frac		15.4
26	2781	6.2	0.01	2.76	TF		4	Ls tr-sl sily sl dol tr por	WREFORD	9.5
27	2782	7.9	0.02	2.69	TF		3	Ls tr-sl sily tr fos tr por	(Three Mile Member)	7.7
28	2783	8.9	0.03	2.69	TF		3	Ls tr-sl sily tr fos tr por		8.5
29	2784	8.0	0.01	2.71	TF		3	Ls tr-sl sily tr fos tr por		8.6
30	2785	7.2	0.01	2.71	SO2	2	4	Ls tr-sl sily tr fos tr por		7.6
31	2786	5.4	<0.01	2.71	SO2	2	3	Ls tr-sl sily tr fos tr por		6.8
32	2787	10.8	0.56	2.71	SO2	2	2	Ls tr-sl sily sl fos sct por		8.5
33	2788	14.2	2.24	2.72	SO2	2	2	Ls tr-sl sily sl fos sct por		10.9
34	2789	16.0	3.77	2.71	SO2	2	3	Ls tr-sl sily sl fos sct por		12.4
35	2790	14.1	1.01	2.71	SO2	2	4	Ls tr-sl sily sl fos sct por		12.6
36	2791	23.6	1.95	2.65	SO2	2	2	Ls sl sily sily lam tr fos sct por		13.4
37	2792	8.5	<0.01	2.73	SL		3	Ls tr-sl sily sl fos sct anhy tr por		14.0
38	2793	9.0	0.02	2.72	SL		3	Ls sl sily sl fos tr lam tr-sct por		13.7
39	2794	12.1	0.09	2.72	SL		2	Ls sl sily sl fos sily lam sct por		14.6
40	2795	16.1	0.4	2.70	SL		3	Ls sl sily sl fos sily lam sct por		16.2
41	2796	21.9	0.4	2.67	SL		2	Ls sl sily sl fos sily lam sct por		15.2
42	2797	8.6	<0.01	2.76	SL		4	Ls mod-sl sily tr fos tr lam tr por		11.6
43	2798	8.8	0.02	2.72	SL		3	Ls mod-sl sily tr fos tr lam tr por		9.8
44	2799	10.4	0.23	2.71	SL		3	Ls sl-mod sily sl fos tr lam sct por		8.9
45	2800	8.4	0.04	2.72	SL		3	Ls mod-sl sily tr fos tr lam tr por		8.7
46	2801	17.6	0.84	2.68	SL		3	Ls sl-mod sily sl fos tr lam sct por		10.2
47	2802	14.4	0.94	2.71	SO3	3	3	Ls sl-mod sily sl fos tr lam sct por		11.5
48	2803	14.2	1.16	2.72	SO3	3	3	Ls sl-mod sily sl fos tr lam sct por		12.1
49	2804	15.2	1.16	2.72	SO3	3	3	Ls sl-mod sily sl fos tr lam sct por		12.7
50	2805	3.5	0.06	2.81	SO3	3	3	Ls sl sily anhy incl sl fos tr por		13.2
51	2806	12.9	0.41	2.71	SO3	3	3	Ls sl sily sl fos sct por		12.2
52	2807	11.2	0.19	2.71	SO3	3	3	Ls sl sily sl fos sct por		10.3
53	2808	8.9	TBFA	2.70	PS		10	Sh gy-dkgy mod sily frac tr calc	COUNCIL GROVE	12.4
54	2809	9.0	TBFA	2.72	PS		15	Sh gy-dkgy mod sily frac tr calc	SPEISER SHALE	13.2
55	2810	8.2	<0.01	2.74	PS		21	Silst brn sl-tr sdy tr calc tr por	(As)	12.3
56	2811	7.7	<0.01	2.72	PS		20	Silst brn sl-tr sdy tr calc tr por		12.7
57	2812	10.9	TBFA	2.71	PS		13	Silst brn sl-tr sdy tr calc frac tr por		12.8
58	2813	7.0	2.41	2.72	PS		3	Silst brn sl-tr sdy tr calc frac tr por		10.7
59	2814	8.5	<0.01	2.69	PS		4	Rdbd rdbm-brn sl sily sl-mod sdy sl calc tr por		9.1
60	2815	8.3	0.01	2.69	PS		4	Rdbd rdbm-brn sl sily sl-mod sdy sl calc tr por		9.9
61	2816	9.6	0.01	2.70	PS		3	Rdbd rdbm-brn sl sily sl-mod sdy sl calc tr por		11.1
62	2817	9.1	<0.01	2.72	PS		6	Rdbd rdbm-brn sl sily sl-mod sdy sl calc tr por		12.7
63	2818	6.2	0.25	2.71	PS		4	Rdbm brn-rdbm sl sily/sdy tr anhy sl calc tr por		14.7
64	2819	5.7	<0.01	2.69	PS		3	Rdbm brn-rdbm sl sily/sdy tr anhy sl calc tr por		11.1
65	2820	5.9	<0.01	2.70	PS		3	Rdbm brn-rdbm sl sily/sdy tr anhy sl calc tr por		7.5
66	2821	6.8	0.02	2.70	PS		3	Rdbm brn-rdbm sl sily/sdy tr anhy sl calc tr por		6.6
67	2822	6.6	<0.01	2.69	PS		4	Rdbm brn-rdbm sl sily/sdy tr anhy sl calc tr por		6.8
68	2823	9.2	12.95	2.71	PS		5	Rdbm brn-rdbm sl sily/sdy tr anhy sl calc tr por		8.3
69	2824	9.1	TBFA	2.73	PS		15	Sh gy-gygn sl sily frac tr calc		11.0
70	2825	11.0	TBFA	2.72	PS		12	Sh gy-gygn sl sily frac tr calc		12.3
71	2826	14.5	0.09	2.81	PS		14	Dol tr sily tr fos sily lam sct por		13.3
72	2827	10.3	<0.01	2.75	PS		15	Silst dkgy-gy sl calc tr-sl sdy sct por		19.4
73	2828	10.2	TBFA	2.77	PS		10	Ls sl-mod sily anhy incl silst in	FUNSTON	19.1
74	2829	13.1	0.02	2.79	SO4	4	7	Ls sl-mod sily anhy incl sct por	(A)	19.2
75	2830	15.6	0.29	2.82	SO4	4	4	Ls sl sily sl anhy sl dol sct por		16.9
76	2831	6.1	<0.01	2.71	SO4	4	4	Ls tr sily tr fos tr por		7.6
77	2832	6.0	0.01	2.74	SO4	4	8	Ls tr sily tr anhy tr fos tr por		5.6
78	2833	6.1	0.01	2.76	SF		9	Ls tr sily sct anhy sl fos tr por		5.1
79	2834	8.0	<0.01	2.77	SF		7	Ls tr sily sct anhy sl fos tr por		5.8
80	2835	10.6	0.01	2.75	SL		8	Ls sl sily sl anhy sl fos sct por		10.0
81	2836	9.4	TBFA	2.72	SL		9	Silst gybrn sily lam sh ptg sl sdy frac tr por		12.2
82	2837	7.6	<0.01	2.74	SL		6	Sh blk-gyblk abnt fos sct Ls incl mod calc		12.1
83	2838	11.5	10.18	2.74	SL		12	Sh blk-gyblk abnt fos sct Ls incl mod calc		12.3
84	2839	5.4	<0.01	2.71	SL		4	Ls mod sily tr fos sily lam tr por		9.9
85	2840	5.6	TBFA	2.60	SL		5	Ss gy-ltgy vfgtr sily lam frac sl calc tr por		6.9
86	2841	9.8	<0.01	2.75	SL		6	Silst gy sl-mod sdy sl calc tr por		8.5
87	2842	5.7	<0.01	2.71	SL		7	Ls mod sily tr fos sily lam tr por		11.2
88	2843	4.6	<0.01	2.77	SO5	5	3	Ls sl sily sct anhy tr fos tr por		8.9
89	2844	15.5	2.51	2.71	SO5	5	3	Ls tr sily sct fos sct por		7.3
90	2845	16.4	3.27	2.70	SO5	5	4	Ls tr sily sct fos sct por		7.8
91	2846	18.3	2.1	2.71	SF	5	4	Ls tr sily sct fos sct por		11.1

92	2847	18.6	2.77	2.70	SF	5	3	Ls tr slty sct fos sct por	15.5
93	2848	16.5	0.95	2.71	SF	5	3	Ls tr slty sct fos sct por	16.5
94	2849	17.1	1.16	2.72	SF	5	2	Ls tr slty sct fos sct por	16.3
95	2850	13.7	0.98	2.75	SF	5	3	Ls tr slty sl fos sl anhy sct por	15.1
96	2851	6.5	<0.01	2.75	SF	5	2	Ls tr slty tr fos sl anhy tr por	12.7
97	2852	10.2	0.06	2.69	SL		3	Ls sl-mod slty tr fos sct por	10.0
98	2853	6.7	<0.01	2.71	SL		3	Ls sl-mod slty tr fos tr por	9.0
99	2854	6.3	0.01	2.70	SL		3	Ls sl-mod slty tr fos tr por	7.3
100	2855	6.4	<0.01	2.69	SL		6	Ls sl-mod slty tr fos tr por	6.5
101	2856	8.9	0.05	2.77	SL		9	Ls mod-v slty sl anhy slty lam tr por	7.5
102	2857	7.4	TBFA	2.74	SL		7	Sh blk abnt Ls incl frac sct anhy	8.9
103	2858	8.0	0.01	2.71	SL		5	Ls mod-v slty tr anhy slty lam tr por	10.0
104	2859	6.4	0.03	2.75	SL		7	Ls mod-v slty tr anhy slty lam tr por	10.3
105	2860	8.3	<0.01	2.72	SL		12	Ls mod-v slty tr anhy slty lam tr por	10.6
106	2861	1.9	<0.01	2.71	TF		7	Ls sl slty tr fos tr por	8.7
107	2862	1.1	<0.01	2.71	TF		7	Ls sl slty tr fos tr por	4.8
108	2863	1.4	<0.01	2.71	TF		9	Ls sl slty tr fos tr por	2.8
109	2864	4.0	<0.01	2.71	TF		16	Ls sl slty tr fos tr por	2.7
110	2865	6.1	<0.01	2.74	TF		22	Ls sl slty tr fos tr por	3.4
111	2866	5.2	<0.01	2.75	TF		12	Ls sl slty tr fos tr por	4.6
112	2867	5.7	<0.01	2.72	TF		8	Ls sl slty tr fos tr por	5.3
113	2868	11.1	TBFA	2.75	PS		4	Slst gy tr dol tr sdy grdg to sh BLUE RAPIDS SHALE	7.2
114	2869	8.2	TBFA	2.76	PS		15	Slst gy tr dol tr sdy grdg to sh (B1s)	10.2
115	2870	9.8	<0.01	2.79	PS		6	Rdbd rdbm mod slty sl sdy sl anhy sct por	11.4
116	2871	10.2	0.02	2.75	PS		18	Ls mod-v slty sct fos grdg to sh sct por	10.8
117	2872	11.7	TBFA	2.72	PS		10	Rdbd brn-rdbm sl slty tr calc frac sct por	12.6
118	2873	14.0	0.05	2.80	PS		13	Rdbd slty tr sdy sl dol sct por	13.3
119	2874	5.8	0.49	2.86	PS		13	Rdbd slty tr sdy sl dol sct anhy tr por	9.2
120	2875	6.9	TBFA	2.83	PS		11	Rdbd slty tr sdy sl dol sct anhy frac tr por	7.8
121	2876	5.0	TBFA	2.82	PS		7	Rdbd slty tr sdy sl dol sl anhy frac tr por	8.8
122	2877	9.0	0.01	2.73	PS		8	Rdbd brn-rdbm mod slty tr sdy sl calc tr por	9.1
123	2878	7.6	<0.01	2.74	PS		8	Rdbd brn-rdbm mod slty tr sdy sl calc tr por	9.2
124	2879	10.4	0.01	2.76	PS		23	Rdbd brn-rdbm mod slty tr sdy sl calc sct por	10.1
125	2880	12.8	TBFA	2.73	PS		17	Rdbd brn-rdbm mod slty tr sdy frac sct por	13.9
126	2881	8.9	<0.01	2.75	PS		27	Rdbd brn-rdbm mod slty tr sdy sl calc tr por	16.8
	2882	NO ANALYSIS			PS		10	No sample selected for analysis	19.8
127	2883	6.4	1.58	2.78	TF		6	Ls sl slty tr dol tr-sl anhy frac tr CROUSE	19.4
128	2884	5.8	<0.01	2.73	TF		5	Ls sl slty tr dol sl-tr anhy tr por (B1)	7.0
129	2885	7.8	<0.01	2.75	TF		5	Ls sl slty tr dol sl-tr anhy tr por	5.4
130	2886	4.0	<0.01	2.75	SO6	6	5	Ls sl slty tr dol sl-tr anhy tr por	4.5
131	2887	2.2	0.02	2.87	SO6	6	3	Ls sl slty tr dol anhy incl tr por	3.2
132	2888	13.8	0.79	2.71	SO6	6	4	Ls tr slty sct fos sct por	7.0
133	2889	11.3	0.25	2.74	SO6	6	4	Ls tr slty sct fos sct por	11.1
134	2890	12.4	0.17	2.80	SO6	6	5	Dol sl slty tr fos sl calc sct por	11.2
135	2891	10.6	0.01	2.80	SO6	6	5	Dol sl-mod slty tr fos sl calc sct por	11.4
136	2892	4.8	<0.01	2.75	SF	6	4	Ls sl slty sl dol tr fos tr por	9.7
137	2893	6.2	0.02	2.71	SF	6	4	Ls sl slty tr fos tr por	7.4
138	2894	4.9	<0.01	2.71	SF	6	5	Ls sl slty tr fos tr por	5.2
139	2895	5.0	0.14	2.71	SO6	6	4	Ls sl slty tr fos tr por	4.7
140	2896	8.9	0.06	2.71	SO6	6	4	Ls sl slty tr fos tr-sct por	6.8
141	2897	9.1	0.08	2.71	SO6	6	4	Ls sl slty tr fos tr-sct por	7.6
142	2898	4.1	<0.01	2.72	SO6	6	7	Ls sl slty tr fos tr por	5.8
143	2899	12.8	TBFA	2.69	PS		10	Slst gy sl sdy non calc frac sct EASLY CREEK SHALE	9.6
144	2900	9.0	8.13	2.68	PS		18	Slst gy sl sdy sl calc frac sct p (B2s)	14.8
	2901	NO ANALYSIS			PS		19	No sample selected for analysis	22.3
145	2902	11.0	TBFA	2.71	PS		10	Rdbd rdbm gygn mod slty tr anhy frac sct por	24.8
146	2903	6.2	0.05	2.70	PS		13	Rdbd rdbm mod slty tr sdy tr por	21.3
147	2904	8.5	TBFA	2.70	PS		20	Rdbd rdbm mod slty tr sdy frac tr por	15.6
148	2905	11.9	TBFA	2.69	PS		13	Rdbd rdbm mod slty sl sdy frac sct por	19.5
149	2906	13.1	TBFA	2.67	PS		13	Rdbd rdbm mod slty sl-mod sdy frac sct por	18.8
150	2907	9.6	0.07	2.81	PS		3	Dol sl slty tr rdbd tr-sct por MIDDLEBURG	20.1
151	2908	10.4	0.48	2.73	TF	7	5	Ls sl slty sl fos sct por (B2)	21.5
152	2909	15.6	1.21	2.71	SO7	7	5	Ls sl slty sl fos sct por	12.6
153	2910	14.2	8.82	2.71	SO7	7	4	Ls sl slty sl fos sct por	10.6
154	2911	5.6	0.01	2.71	SO7	7	4	Ls sl slty tr fos tr por	7.9
155	2912	11.1	0.22	2.71	SO7	7	4	Ls sl slty sl fos sct por	6.4
156	2913	9.9	0.28	2.73	SO7	7	4	Ls sl slty sl fos sl anhy sct por	7.4
157	2914	10.4	0.56	2.82	TF	7	4	Ls sl slty sl fos sct anhy incl sct por	7.5
158	2915	6.9	0.44	2.79	TF	7	4	Ls sl slty sl fos sct anhy tr por	6.9
159	2916	16.3	0.56	2.71	TF	7	5	Ls sl slty sl fos sct por	10.8
160	2917	16.3	1.08	2.70	SO7	7	5	Ls tr-sl slty sct fos sct por	14.7
161	2918	10.0	0.21	2.68	SO7	7	7	Ls tr-sl slty sl fos sct por	12.1
162	2919	4.2	0.01	2.71	SF		7	Ls sl slty tr fos slty lam tr por	7.3
163	2920	2.2	<0.01	2.72	SF		8	Ls sl slty tr fos tr por	4.7
164	2921	6.1	0.01	2.71	SF		16	Ls mod slty sl fos slty lam tr por	6.3
165	2922	7.0	0.01	2.71	PS		24	Rdbd rdbm-brn slty tr sdy sl-m HOOSER SHALE	9.5
166	2923	7.6	0.01	2.70	PS		13	Rdbd rdbm-brn slty tr sdy sl-m (B3s)	16.6
167	2924	13.2	TBFA	2.70	PS		10	Rdbd rdbm-brn slty tr sdy tr calc frac sct por	21.4
168	2925	6.7	0.01	2.69	PS		15	Rdbd rdbm-brn slty sl sdy sl-mod calc tr por	13.2
169	2926	7.1	<0.01	2.70	PS		8	Rdbd rdbm-brn slty tr sdy sl-mod calc tr por	13.7
170	2927	7.8	<0.01	2.70	PS		8	Rdbd rdbm-brn slty tr sdy sl-mod calc tr por	12.5
171	2928	6.9	0.01	2.71	PS		13	Rdbd rdbm-brn slty tr sdy sl-mod calc tr por	8.8
172	2929	11.6	0.02	2.72	PS		17	Rdbd rdbm-brn slty tr sdy sl calc sct por	11.3
173	2930	12.7	0.08	2.74	PS		10	Rdbd rdbm-brn slty tr sdy sl calc sct por	15.3
174	2931	10.8	TBFA	2.72	PS		4	Rdbd rdbm-brn slty tr sdy tr calc frac sct por	16.5
175	2932	4.5	TBFA	2.71	PS		4	Rdbd rdbm-brn slty tr sdy tr calc frac tr por	11.3
176	2933	10.5	1.16	2.73	SO8	8	6	Ls tr-sl slty sl fos sct por EISS	11.0
177	2934	13.8	2.39	2.71	SO8	8	5	Ls tr-sl slty sl fos sct por (B3)	10.6
178	2935	11.4	0.16	2.72	SO8	8	4	Ls tr-sl slty sl fos sct por	9.2
179	2936	9.5	0.08	2.75	SO8	8	4	Ls tr-sl slty sl fos sl anhy sct por	9.1
180	2937	9.1	0.06	2.75	SO8	8	6	Ls tr-sl slty sl fos sl anhy sct por	11.4
181	2938	7.1	0.04	2.67	PS		8	Rdbd rdbm mod slty sl-mod sct STEARNES SHALE	10.8
182	2939	7.4	0.02	2.69	PS		5	Rdbd rdbm mod slty sl-mod sct (B4s)	10.3
183	2940	8.1	1.73	2.69	PS		5	Rdbd rdbm mod slty sl-mod sdy mod calc tr por	11.4
184	2941	11.1	TBFA	2.70	PS		5	Sh rdbm slty tr sdy tr calc frac	11.1
185	2942	6.6	0.02	2.68	PS		7	Rdbd rdbm mod slty sl-mod sdy mod calc tr por	8.7
186	2943	7.3	0.01	2.70	PS		8	Rdbd rdbm mod slty sl-mod sdy mod calc tr por	9.0
187	2944	7.2	0.01	2.70	PS		6	Rdbd rdbm mod slty sl-mod sdy mod calc tr por	13.8
188	2945	9.7	0.01	2.71	PS		3	Rdbd rdbm mod slty mod sdy mod calc sct por	24.3
189	2946	6.9	TBFA	2.71	PS		3	Ls mod slty-slty tr anhy frac tr por	19.6
190	2947	5.1	<0.01	2.72	SO9	9	3	Ls tr-sl slty tr fos tr por MORRILL	8.0
191	2948	7.3	0.22	2.73	SO9	9	4	Ls tr-sl slty tr fos tr por (B4)	6.5

192	2949	10.2	1.29	2.71	SO9	9	4	Ls tr-sl sily tr fos sct por		7.8
193	2950	11.1	0.28	2.70	SO9	9	3	Ls tr-sl sily tr fos sct por		5.6
194	2951	3.9	<0.01	2.73	SO9	9	6	Ls tr-sl sily tr fos tr por		4.1
195	2952	3.7	<0.01	2.72	SO9	9	6	Ls tr-sl sily tr fos tr por		14.1
196	2953	3.0	<0.01	2.73	SO9	9	5	Ls tr-sl sily tr fos tr por	FLORENA SHALE	-487.3
197	2954	8.3	TBFA	2.71	PS		3	Rdbd rdbm-brn sily mod calc fi	(B5s)	23.3
198	2955	4.8	TBFA	2.71	PS		3	Ls mod sily tr fos frac tr por	COTTONWOOD	12.2
199	2956	19.7	26.9	2.70	SO10	10	4	Ls tr sily sct fos sct por	(B5)	14.1
200	2957	22.4	162.58	2.71	SO10	10	3	Ls tr sily sct fos sct por		19.8
201	2958	21.9	122.39	2.71	SO10	10	4	Ls tr sily sct fos sct por		19.8
202	2959	18.3	10.37	2.77	SO10	10	3	Ls tr sily sct fos sl anhy sct por		16.7
203	2960	11.4	3.5	2.81	SF	10	3	Ls tr sily sl fos anhy incl sct por		12.9
204	2961	19.0	68.43	2.81	SF	10	3	Ls tr sily sct fos anhy incl sct por		13.4
205	2962	17.4	9.56	2.78	SF	10	4	Ls tr sily sct fos sl anhy sct por		15.6
206	2963	2.9	0.15	2.84	SF	10	4	Ls tr sily tr fos sct anhy incl tr por		13.0
207	2964	8.4	1.6	2.81	SO10	10	5	Ls tr sily tr fos sct anhy incl tr por		8.5
208	2965	4.0	TBFA	2.90	SO10	10	3	Anhy xln sct Ls incl frac tr por		5.8
209	2966	4.6	0.65	2.78	SO10	10	4	Ls tr sily tr fos sct anhy incl tr por		3.6
210	2967	14.6	34.73	2.71	SO10	10	4	Ls tr sily sct fos sct por		7.2
211	2968	18.3	142.2	2.71	SO10	10	3	Ls tr sily sct fos sct por		14.2
212	2969	9.0	5.98	2.71	SO10	10	3	Ls tr sily sl fos tr-sct por		16.0
213	2970	12.7	0.64	2.73	SO10	10	3	Ls tr sily tr-sl fos sl dol sct por		13.0
214	2971	14.5	1.49	2.72	SO10	10	3	Ls tr sily sct fos sct por		10.5
215	2972	5.2	0.01	2.74	SO10	10	5	Ls tr sily sl fos tr por		8.3
216	2973	4.3	<0.01	2.72	SF		6	Ls tr sily sl fos tr por		4.9
217	2974	4.9	<0.01	2.75	SF		14	Ls sl sily tr fos tr anhy tr por		3.8
218	2975	12.1	0.04	2.76	PS		13	Silst gy sl-mod sdy tr calc sct p	ESKRIDGE SHALE	7.0
	2976	NO ANALYSIS			PS		16	No sample selected for analysis	(Cs)	20.1
	2977	NO ANALYSIS			PS		14	No sample selected for analysis		23.0
	2978	NO ANALYSIS			PS		13	No sample selected for analysis		21.1
	2979	NO ANALYSIS			PS		10	No sample selected for analysis		20.6
	2980	NO ANALYSIS			PS		9	No sample selected for analysis		20.1
219	2981	11.2	TBFA	2.72	PS		7	Rdbd rdbm-gybrn sily tr calc frac sct por		19.0
220	2982	8.9	TBFA	2.75	PS		12	Rdbd rdbm-gybrn sily tr calc sl anhy frac tr por		16.7
221	2983	6.9	<0.01	2.73	PS		15	Rdbd rdbm-gybrn sily tr calc tr por		14.6
222	2984	12.6	TBFA	2.73	PS		12	Rdbd rdbm-gybrn sily tr calc frac sct por		14.9
223	2985	10.7	<0.01	2.76	PS		14	Rdbd rdbm-gybrn sily tr calc sl anhy sct por		16.8
224	2986	13.8	<0.01	2.80	PS		17	Rdbd rdbm-gybrn sily tr calc sl anhy sct por		15.0
225	2987	7.9	<0.01	2.75	PS		13	Rdbd rdbm-gybrn sily tr calc sl anhy tr por		13.4
226	2988	6.9	0.01	2.76	PS		10	Rdbd rdbm-gybrn sily tr calc sl anhy tr por		13.9
	2989	NO ANALYSIS			PS		20	No sample selected for analysis		15.2
227	2990	9.1	TBFA	2.72	PS		6	Rdbd rdbm-gybrn sily tr calc frac tr por		14.8
228	2991	8.9	TBFA	2.70	PS		7	Rdbd rdbm-gybrn sily tr calc frac tr por		14.9
	2992	NO ANALYSIS			PS		8	No sample selected for analysis		13.5
	2993	NO ANALYSIS			PS		6	No sample selected for analysis		13.0
	2994	NO ANALYSIS			PS		5	No sample selected for analysis	NEVA	13.3
231	2995	13.5	1.18	2.77	SO11	11	5	Ls tr-sl sily sl fos sct anhy sct	(C)	19.9
232	2996	10.2	0.98	2.72	SO11	11	3	Ls tr-sl sily sl fos sct por		28.3
233	2997	12.2	2.65	2.76	SO11	11	3	Ls tr-sl sily sl fos sct anhy sct por		20.4
234	2998	12.8	1.42	2.72	SO11	11	3	Ls tr-sl sily sl fos sct por		9.8
235	2999	8.6	0.07	2.73	SO11	11	3	Ls sl sily tr fos tr por		8.9
236	3000	9.8	0.34	2.72	SO11	11	4	Ls sl sily tr fos sct por		10.1
237	3001	13.6	0.7	2.72	SO11	11	2	Ls sl sily tr fos sct por		10.1
238	3002	13.5	0.65	2.71	SO11	11	3	Ls sl sily tr fos sct por		10.2
239	3003	12.8	0.33	2.73	SO11	11	3	Ls sl sily tr fos sct por		11.8
240	3004	9.2	0.44	2.70	SO11	11	2	Ls sl sily tr fos sct-tr por		12.2
241	3005	7.6	0.01	2.76	SO11	11	3	Ls sl sily tr fos tr anhy tr por		11.9
242	3006	6.4	0.11	2.72	SL		3	Ls sl sily tr fos tr por		11.4
243	3007	9.2	0.02	2.73	SL		2	Ls sl sily tr fos tr por		9.2
244	3008	10.0	0.03	2.72	SL		2	Ls sl sily tr fos sct por		6.9
245	3009	9.8	0.02	2.69	SL		3	Ls sl sily tr fos sct por		7.5
246	3010	8.8	0.01	2.70	SL		3	Ls sl sily tr fos tr-sct por		8.3
247	3011	8.2	0.01	2.72	SL		2	Ls sl sily tr fos tr-sct por		9.3
248	3012	7.5	0.01	2.71	SL		3	Ls sl sily tr fos tr por		9.7
249	3013	6.2	0.01	2.71	SL		3	Ls sl sily tr fos tr por		9.5
250	3014	7.9	<0.01	2.68	SL		3	Ls sl sily tr fos tr por		8.9
251	3015	6.1	<0.01	2.69	SL		3	Ls sl sily tr fos tr por		8.7
252	3016	6.2	<0.01	2.70	SL		4	Ls sl sily tr fos tr por		7.8
253	3017	6.2	<0.01	2.70	SL		4	Ls sl sily tr fos tr por		7.7
254	3018	6.4	<0.01	2.69	SL		4	Ls sl sily tr fos tr por		7.4
255	3019	4.0	<0.01	2.68	SL		4	Ls sl sily tr fos tr por		7.5
256	3020	6.9	<0.01	2.75	SL		3	Ls sl sily tr fos tr anhy tr por		7.3
257	3021	5.6	<0.01	2.70	SL		3	Ls sl sily tr fos tr por		7.0
258	3022	4.4	<0.01	2.69	SL		4	Ls sl sily tr fos tr por		6.9
259	3023	6.4	0.09	2.70	SL		3	Ls mod sily tr fos tr por		7.4
260	3024	4.8	<0.01	2.70	SL		4	Ls mod sily tr fos tr por		7.2
261	3025	5.9	TBFA	2.69	SL		5	Ls mod sily tr fos frac tr por		6.7
262	3026	6.5	<0.01	2.71	SL		3	Ls mod sily-sily grdg to Silst tr por		6.4
263	3027	8.4	<0.01	2.70	SL		4	Ls mod sily-sily grdg to Silst tr por		7.0
264	3028	6.5	<0.01	2.69	SL		2	Ls mod sily-sily grdg to Silst tr por		7.8
265	3029	8.1	<0.01	2.69	SL		3	Silst gy-dkgy mod-v calc grdg to arg Ls		8.1
266	3030	8.2	<0.01	2.68	SL		3	Silst gy-dkgy mod-v calc grdg to arg Ls		9.2
267	3031	8.8	<0.01	2.68	SL		3	Silst gy-dkgy mod-v calc grdg to arg Ls		10.5
268	3032	7.8	<0.01	2.68	SL		2	Silst gy-dkgy mod-v calc grdg to arg Ls		11.4
269	3033	7.9	<0.01	2.69	SL		2	Silst gy-dkgy mod-v calc grdg to arg Ls		10.5
270	3034	8.6	<0.01	2.68	SL		3	Silst gy-dkgy mod-v calc grdg to arg Ls		10.6
271	3035	8.5	<0.01	2.68	SL		2	Silst gy-dkgy mod-v calc grdg to arg Ls		11.2
272	3036	8.4	<0.01	2.68	SL		3	Silst gy-dkgy mod-v calc grdg to arg Ls		12.0
273	3037	9.7	<0.01	2.66	SL		2	Sh gy-dkgy sl sily mod calc		12.1
274	3038	8.1	<0.01	2.68	SL		2	Silst gy-dkgy mod-v calc grdg to arg Ls		12.6
275	3039	8.8	<0.01	2.68	SL		5	Silst gy-dkgy mod-v calc grdg to arg Ls		13.6
276	3040	9.7	<0.01	2.66	SL		5	Sh gy-dkgy sl sily mod calc		13.8
277	3041	10.2	0.06	2.66	SL		5	Sh gy-dkgy sl sily mod calc		14.1
278	3042	10.0	TBFA	2.67	SL		5	Sh gy-dkgy sl sily mod calc frac		14.6
279	3043	10.6	TBFA	2.66	SL		5	Sh gy-dkgy sl sily mod calc frac		15.7
280	3044	10.3	TBFA	2.65	SL		5	Sh gy-dkgy sl sily mod calc frac		15.4

Key
 TBFA = To broken for
 SO = Shoal
 SF = Shoal Flank
 TF = Tidal Flat
 PS = Paleosol/Coastal Plain
 SL = Shelf/Lagoon

**TABLE 1
PIONEER NATURAL RESOURCES
ROUTINE CORE ANALYSIS
Stuart 3-34R Well
Grant County, Kansas**

Sample No.	Depth (ft)	Porosity (%BV)	Permeability (md)	Grain Density (g/cc)	% FLUIDS			OIL ROP	Shoal Facies	ROP	FACIES
					Water	Oil	ROP				
74	2829	13.1	0.02	2.79	71.3	0.0	7	0	SO4	4	3MILE
75	2830	15.6	0.29	2.82	62.1	0.0	4	0	SO4	4	3MILE
76	2831	6.1	0.01	2.71	62.9	0.0	4	0	SO4	4	3MILE
77	2832	6.	0.01	2.74	67.0	0.0	8	0	SO4	4	3MILE
88	2843	4.6	0.01	2.77	53.8	0.0	3	0	SO5	5	3MILE
89	2844	15.5	2.51	2.71	51.8	0.0	3	0	SO5	5	3MILE
90	2845	16.4	3.27	2.70	60.7	0.0	4	0	SO5	5	3MILE
91	2846	18.3	2.10	2.71	66.6	0.0	4	0	SF	5	3MILE
92	2847	18.6	2.77	2.70	61.7	0.0	3	0	SF	5	3MILE
93	2848	16.5	0.95	2.71	65.6	0.0	3	0	SF	5	3MILE
94	2849	17.1	1.16	2.72	62.9	0.0	2	0	SF	5	3MILE
95	2850	13.7	0.98	2.75	57.2	0.0	3	0	SF	5	3MILE
96	2851	6.5	0.01	2.75	55.6	0.0	2	0	SF	5	3MILE
130	2886	4.	0.01	2.75	61.4	0.0	5	0	SO6	6	FUNSTON
131	2887	2.2	0.02	2.87	52.0	0.0	3	0	SO6	6	FUNSTON
132	2888	13.8	0.79	2.71	60.5	0.0	4	0	SO6	6	FUNSTON
133	2889	11.3	0.25	2.74	63.3	0.0	4	0	SO6	6	FUNSTON
134	2890	12.4	0.17	2.80	53.0	0.0	5	0	SO6	6	FUNSTON
135	2891	10.6	0.01	2.80	82.5	0.0	5	0	SO6	6	FUNSTON
136	2892	4.8	0.01	2.75	85.5	0.0	4	0	SF	6	FUNSTON
137	2893	6.2	0.02	2.71	61.5	0.0	4	0	SF	6	FUNSTON
138	2894	4.9	0.01	2.71	63.5	0.0	5	0	SF	6	FUNSTON
139	2895	5.	0.14	2.71	62.0	0.0	4	0	SO6	6	FUNSTON
140	2896	8.9	0.06	2.71	64.7	0.0	4	0	SO6	6	FUNSTON
141	2897	9.1	0.08	2.71	66.5	0.0	4	0	SO6	6	FUNSTON
142	2898	4.1	0.01	2.72	62.9	0.0	7	0	SO6	6	FUNSTON
151	2908	10.4	0.48	2.73	47.3	0.0	5	0	TF	7	CRAUSE
152	2909	15.6	1.21	2.71	50.9	0.0	5	0	SO7	7	CRAUSE
153	2910	14.2	8.82	2.71	43.4	0.0	4	0	SO7	7	CRAUSE
154	2911	5.6	0.01	2.71	55.0	0.0	4	0	SO7	7	CRAUSE
155	2912	11.1	0.22	2.71	54.9	0.0	4	0	SO7	7	CRAUSE
156	2913	9.9	0.28	2.76	57.3	0.0	4	0	SO7	7	CRAUSE
157	2914	10.4	0.56	2.82	58.0	0.0	4	0	TF	7	CRAUSE
158	2915	6.9	0.44	2.79	62.8	0.0	4	0	TF	7	CRAUSE
159	2916	16.3	0.56	2.71	72.1	0.0	5	0	TF	7	CRAUSE
160	2917	16.3	1.08	2.70	69.1	0.0	5	0	SO7	7	CRAUSE
161	2918	10.	0.21	2.68	60.7	0.0	7	0	SO7	7	CRAUSE
176	2933	10.5	1.16	2.73	47.7	0.0	6	0	SO8	8	CRAUSE
177	2934	13.8	2.39	2.71	43.6	0.0	5	0	SO8	8	CRAUSE

**TABLE 1 (CONTINUED)
ROUTINE CORE ANALYSIS
Pioneer Natural Resources USA, Inc. Newby 2-28R Well
Stevens County, Kansas**

Zone	Sample	Depth Range (ft)	Porosity (% BV)	Perm to gas (md)	Perm Net Pay K>0.01	Saturation(% PV)		Grain Density (g/cc)	ROP	FACIES	
						Water	Oil				
3MILE	49	2858	2859	1.34	0.01	None	96.14	0	2.64	3	1
3MILE	52	2861	2862	6.33	0.03	0.03	84.79	0	2.71	2	1
FUNSTON	94	2905	2906	13.99	3.79	3.79	47.69	0	2.71	7	1
FUNSTON	95	2906	2907	7.19	0.17	0.17	60	0	2.8	5	1
FUNSTON	96	2907	2908	9.17	0.07	0.07	68.6	0	2.79	10	1
FUNSTON	97	2908	2909	4.87	0.15	0.15	54.49	0	2.82	11	1
FUNSTON	98	2909	2910	8.55	0.44	0.44	46.03	0	2.78	6	1
FUNSTON	99	2910	2911	11.38	1.83	1.83	40.28	0	2.75	4	1
FUNSTON	100	2911	2912	17.56	0.93	0.93	59.06	0	2.8	6	1
FUNSTON	101	2912	2913	8.76	0.01	None	77.77	0	2.79	6	1
FUNSTON	102	2913	2914	7.43	0.03	0.03	72.49	0	2.75	10	1
FUNSTON	103	2914	2915	13.83	0.57	0.57	47.42	0	2.75	8	1
FUNSTON	104	2915	2916	13.6	0.9	0.9	44.79	0	2.75	10	1
FUNSTON	105	2916	2917	2.74	0.01	None	69.13	0	2.72	9	1
FUNSTON	106	2917	2918	8	0.06	0.06	55.24	0	2.71	10	1
FUNSTON	107	2918	2919	3.98	0.03	0.03	88.2	0	2.75	3	1
FUNSTON	108	2919	2920	12.54	4.24	4.24	46.6	0	2.71	4	1
FUNSTON	109	2920	2921	14.47	0.91	0.91	51.08	0	2.71	4	1
FUNSTON	110	2921	2922	14.8	1.37	1.37	49.27	0	2.71	6	1
FUNSTON	111	2922	2923	6.31	0.02	0.02	52.35	0	2.71	2	1
CRAUSE	117	2929	2930	3.43	0.07	0.07	80.36	0	2.71	6	1
CRAUSE	118	2930	2931	6.77	0.04	0.04	47.13	0	2.72	11	1
CRAUSE	119	2931	2932	16.82	7.97	7.97	37.89	0	2.71	5	1
CRAUSE	120	2932	2933	8.9	45.9	45.86	96.86	0	2.52	5	1
CRAUSE	121	2933	2934	7.08	15.3	15.31	51.49	0	2.74	5	1
CRAUSE	122	2934	2935	9.8	10.9	10.87	49.16	0	2.77	3	1
CRAUSE	123	2935	2936	3.07	0.02	0.02	54.37	0	2.74	3	1
CRAUSE	124	2936	2937	16.34	3.78	3.78	56	0	2.71	4	1

TBFA = Too Broken For Analysis.
No Analysis = No analysis was done at this depth.

**TABLE 1
PIONEER NATURAL RESOURCES
ROUTINE CORE ANALYSIS
Stuart 3-34R Well
Grant County, Kansas**

Sample No.	Depth (ft)	Porosity (%BV)	Permeability (md)	Grain Density (g/cc)	% FLUIDS		ROP	OIL FLOR	Shoal Facies	Shoal Package	
					Water	Oil					
178	2935	11.4	0.16	2.72	53.6	0.0	4	0	SO8	8	CRAUSE
179	2936	9.5	0.08	2.75	43.1	0.0	4	0	SO8	8	CRAUSE
180	2937	9.1	0.06	2.75	47.9	0.0	6	0	SO8	8	CRAUSE
190	2947	5.1	0.01	2.72	24.7	0.0	3	0	SO9	9	BADER
191	2948	7.3	0.22	2.73	22.7	0.0	4	0	SO9	9	BADER
192	2949	10.2	1.29	2.71	23.6	0.0	4	0	SO9	9	BADER
193	2950	11.1	0.28	2.70	25.4	0.0	3	0	SO9	9	BADER
194	2951	3.9	0.01	2.73	30.6	0.0	6	0	SO9	9	BADER
195	2952	3.7	0.01	2.72	54.3	0.0	6	0	SO9	9	BADER
196	2953	3.	0.01	2.73	72.5	0.0	5	0	SO9	9	BADER
199	2956	19.7	26.90	2.70	34.8	0.0	4	0	SO10	10	BADER
200	2957	22.4	162.58	2.71	42.8	0.0	3	0	SO10	10	BADER
201	2958	21.9	122.39	2.71	46.6	0.0	4	0	SO10	10	BADER
202	2959	18.3	10.37	2.77	44.0	0.0	3	0	SO10	10	BADER
203	2960	11.4	3.50	2.81	32.3	0.0	3	0	SF	10	BADER
204	2961	19.	68.43	2.81	36.5	0.0	3	0	SF	10	BADER
205	2962	17.4	9.56	2.78	27.0	0.0	4	0	SF	10	BADER
206	2963	2.9	0.15	2.84	48.3	0.0	4	0	SF	10	BADER
207	2964	8.4	1.60	2.81	32.3	0.0	5	0	SO10	10	BADER
208	2965	4.	TBFA	2.90	57.6	0.0	3	0	SO10	10	BADER
209	2966	4.6	0.65	2.78	46.9	0.0	4	0	SO10	10	BADER
210	2967	14.6	34.73	2.71	35.9	0.0	4	0	SO10	10	BADER
211	2968	18.3	142.20	2.71	43.1	0.0	3	0	SO10	10	BADER
212	2969	9.	5.98	2.71	38.5	0.0	3	0	SO10	10	BADER
213	2970	12.7	0.64	2.78	34.4	0.0	3	0	SO10	10	BADER
214	2971	14.5	1.49	2.72	32.3	0.0	3	0	SO10	10	BADER
215	2972	5.2	0.01	2.74	41.8	0.0	5	0	SO10	10	BADER
231	2995	13.5	1.18	2.77	24.2	0.0	5	0	SO11	11	BEATY
232	2996	10.2	0.98	2.72	24.1	0.0	3	0	SO11	11	BEATY
233	2997	12.2	2.65	2.76	34.9	0.0	3	0	SO11	11	BEATY
234	2998	12.8	1.42	2.72	36.4	0.0	3	0	SO11	11	BEATY
235	2999	8.6	0.07	2.73	31.1	0.0	3	0	SO11	11	BEATY
236	3000	9.8	0.34	2.72	24.1	0.0	4	0	SO11	11	BEATY
237	3001	13.6	0.70	2.72	32.1	0.0	2	0	SO11	11	BEATY
238	3002	13.5	0.65	2.71	37.9	0.0	3	0	SO11	11	BEATY
239	3003	12.8	0.33	2.73	35.6	0.0	3	0	SO11	11	BEATY
240	3004	9.2	0.44	2.70	23.3	0.0	2	0	SO11	11	BEATY
241	3005	7.6	0.01	2.76	53.7	0.0	3	0	SO11	11	BEATY

Min: #REF! #REF! #REF! #REF! #REF! #REF! #REF!

**TABLE 1 (CONTINUED)
ROUTINE CORE ANALYSIS
Pioneer Natural Resources USA, Inc. Newby 2-28R Well
Stevens County, Kansas**

Zone	Sample	Depth Range (ft)	Porosity (% BV)	Perm to gas (md)	Perm Net Pay K>0.01	Saturation(% PV)		Grain Density (g/cc)	ROP	FACIES	
						Water	Oil				
CRAUSE	125	2937	2938	18.71	4.3	4.3	60.47	0	2.7	3	1
CRAUSE	126	2938	2939	15.88	1.5	1.5	66.64	0	2.71	3	1
CRAUSE	127	2939	2940	9.34	0.08	0.08	55.59	0	2.72	5	1
CRAUSE	142	2954	2955	9.94	0.41	0.41	52.64	0	2.71	4	1
CRAUSE	143	2955	2956	5.77	0.07	0.07	58.53	0	2.76	4	1
CRAUSE	144	2956	2957	7	0.03	0.03	72.62	0	2.72	3	1
CRAUSE	156	2968	2969	2.15	0.01	None	91.77	0	2.78	8	1
BADER	157	2969	2970	10.01	1.85	1.85	45.26	0	2.71	7	1
BADER	158	2970	2971	8.17	0.39	0.39	54.19	0	2.8	6	1
BADER	159	2971	2972	7.13	0.1	0.1	69.47	0	2.77	5	1
BADER	160	2972	2973	10.42	0.29	0.29	59.74	0	2.8	4	1
BADER	161	2973	2974	7.35	0.02	0.02	70.52	0	2.78	3	1
BADER	164	2982	2983	0.87	0.01	None	79.71	0	2.7	7	1
BADER	165	2983	2984	2.17	0.03	0.03	85.74	0	2.73	8	1
BADER	166	2984	2985	2.32	0.04	0.04	87.4	0	2.71	8	1
BADER	167	2985	2986	2.21	None	None	93.15	0	2.71	5	1
BADER	168	2986	2987	2.13	0.14	0.14	86.13	0	2.71	5	1
BADER	169	2987	2988	3.37	0.41	0.41	88.48	0	2.72	10	1
BADER	170	2988	2989	9.78	None	None	60.57	0	2.71	9	1
BADER	171	2989	2990	8.51	1.83	1.83	58.69	0	2.71	11	1
BADER	172	2990	2991	12.1	11.5	11.54	55.13	0	2.71	5	1
BADER	173	2991	2992	14.34	119	118.62	66.05	0	2.71	5	1
BADER	174	2992	2993	20.6	1141	1141.06	64.42	0	2.71	5	1
BADER	175	2993	2994	12.78	97.1	97.09	62.78	0	2.75	9	1
BADER	176	2994	2995	13.42	154	154.43	56.13	0	2.71	8	1
BADER	177	2995	2996	9.73	9.44	9.44	50.19	0	2.71	3	1
BADER	178	2996	2997	15.41	154	154.04	61.22	0	2.71	3	1
BADER	179	2997	2998	15.28	191	191.45	63.72	0	2.71	3	1
BADER	180	2998	2999	13.81	17.8	17.83	68.74	0	2.7	2	1
BEATY	185	3023	3024	1.47	0.01	None	76.23	0	2.71	2	1
BEATY	186	3024	3025	5.1	0.01	None	67.21	0	2.71	3	1
BEATY	187	3025	3026	7.08	0.03	0.03	64.1	0	2.72	4	1
BEATY	188	3026	3027	5.43	0.01	None	64.89	0	2.72	6	1
BEATY	208	3046	3047	4.89	0.01	None	90.34	0	2.72	4	1
BEATY	209	3047	3048	2.67	0.01	None	63.71	0	2.7	5	1
BEATY	210	3048	3049	1.53	0.01	None	80.92	0	2.66	2	1
BEATY	217	3055	3056	2.81	0.01	None	41.63	0	2.75	3	1
BEATY	218	3056	3057	3.73	0.01	None	60.23	0	2.7	3	1
BEATY	219	3057	3058	3.28	0.01	None	58.39	0	2.71	3	1

TBFA = Too Broken For Analysis.
No Analysis = No analysis was done at this depth.

**TABLE 1
PIONEER NATURAL RESOURCES
ROUTINE CORE ANALYSIS
Stuart 3-34R Well
Grant County, Kansas**

Sample No.	Depth (ft)	Porosity (%BV)	Permeability (md)	Grain Density (g/cc)	% FLUIDS		OIL		Shoal Facies/Package
					Water	Oil	ROP	FLOR	
	Max:	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
	Avg:	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	

Key
SO = Shoal
SF = Shoal Flank
TF = Tidal Flat
PS = Paleosol
SL = Shelf/Lagoon

**TABLE 1 (CONTINUED)
ROUTINE CORE ANALYSIS
Pioneer Natural Resources USA, Inc. Newby 2-28R Well
Stevens County, Kansas**

Zone	Sample	Depth Range (ft)	Porosity (% BV)	Perm to gas (md)	Perm Net Pay K>0.01	Saturation(% PV)		Grain Density (g/cc)	ROP	FACIES
						Water	Oil			
		Minimum:	0.87	<0.01			37.89	0	2.52	1
		Maximum:	20.6	1141			98.66	0	2.84	22
		Average:	7.76	10.4			80.37	0	2.71	5

¹ Sample is too broken for analysis.

Facies Codes
1 - Shoal
2 - Siliciclastic-Dominated Shelf
3 - Carbonate-Dominated Shelf
4 - Tidal Flat
5 - Paleosol to Coastal Plain

LOG DATA				CORE DATA			LITHOLOGY	Facies
DEPTH	NPHI	DPHI	D-N PHI	Core Por. (%BV)	Core Perm (md)			
2755	5.3	3.7	4.5	4.5	0.71	Ls sl sily tr fos tr por	3.5	SO1
2756	5.2	5.2	5.2	8.1	0.03	Ls sl-mod sily tr fos tr-sct por	3.5	SO1
2757	6.9	8.0	7.4	9.4	0.08	Ls mod sily tr sdy tr-sct por	8.	SO1
2758	8.8	10.2	9.5	9.0	0.1	Ls mod sily tr sdy tr-sct por	8.	TF
2759	11.6	10.8	11.2	10.1	0.01	Ls mod sily sl-tr sdy sct por	8.	TF
2760	12.7	10.9	11.8	11.1	0.06	Ls sl-mod sily sl sdy sct por	8.	TF
2761	11.0	11.3	11.2	9.1	0.02	Ls sl-mod sily sl sdy tr-sct por	8.	TF
2762	10.7	11.0	10.9	9.5	0.01	Ls sl-mod sily sl sdy tr-sct por	8.	TF
2763	17.0	15.6	16.3	10.9	0.52	Ls sl-mod sily sl sdy sct por	8.	TF
2764	26.8	26.9	26.9	NO ANALYSIS	NO ANALYSIS	No sample selected for analysis	8.	PS
2765	27.3	24.9	26.1	NO ANALYSIS	NO ANALYSIS	No sample selected for analysis	8.	PS
2766	24.5	21.3	22.9	9.1	TBFA	Rdbd brn-rdbm mod sily sl calc frac	8.	PS
2767	22.2	14.7	18.4	7.0	TBFA	Rdbd brn-rdbm sily anhy incl calc fr	8.	PS
2768	20.6	14.7	17.7	16.0	TBFA	Rdbd brn-rdbm sily anhy incl calc fr	8.	PS
2769	16.6	6.7	11.6	9.0	TBFA	Rdbd rdbm-gygn mod sily mod calc	8.	PS
2770	15.2	6.1	10.7	10.1	<0.01	Rdbd brn-rdbm sily anhy incl calc fr	8.	PS
2771	12.4	7.1	9.8	8.9	<0.01	Rdbd rdbm-brn mod sily mod calc fr	8.	PS
2772	15.2	9.1	12.1	8.8	9.02	Rdbd rdbm-brn mod sily mod calc fr	8.	PS
2773	15.1	8.9	12.0	8.7	TBFA	Rdbd rdbm-brn mod sily mod calc fr	8.	PS
2774	12.9	7.9	10.4	8.1	<0.01	Rdbd rdbm-brn mod sily tr calc tr por	8.	PS
2775	20.0	18.9	19.5	3.5	TBFA	Rdbd rdbm anhy incl sl calc frac tr por	8.	PS
2776	21.2	18.2	19.7	8.9	TBFA	Rdbd brn-rdbm mod sily sl sdy frac	8.	PS
2777	19.1	12.0	15.6	13.6	TBFA	Rdbd brn-rdbm mod sily sl sdy frac	8.	PS
2778	18.3	11.2	14.8	13.0	TBFA	Rdbd brn-rdbm mod sily sl sdy frac	8.	PS
2779	16.3	8.1	12.2	7.6	<0.01	Rdbd brn-rdbm mod sily sl sdy tr por	8.	PS
2780	19.0	11.7	15.4	16.2	TBFA	Sh gy-gygn mod sily frac	8.	PS
2781	11.0	8.0	9.5	6.2	0.01	Ls tr-sl sily sl dol tr por	0.	TF
2782	7.2	8.1	7.7	7.9	0.02	Ls tr-sl sily tr fos tr por	1.5	TF
2783	7.7	9.4	8.5	8.9	0.03	Ls tr-sl sily tr fos tr por	1.5	TF
2784	7.7	9.5	8.6	8.0	0.01	Ls tr-sl sily tr fos tr por	2.5	TF
2785	6.9	8.3	7.6	7.2	0.01	Ls tr-sl sily tr fos tr por	3.	SO2
2786	6.0	7.6	6.8	5.4	<0.01	Ls tr-sl sily tr fos tr por	4.	SO2
2787	6.3	10.6	8.5	10.8	0.56	Ls tr-sl sily sl fos sct por	4.	SO2
2788	7.1	14.7	10.9	14.2	2.24	Ls tr-sl sily sl fos sct por	4.	SO2
2789	8.8	16.0	12.4	16.0	3.77	Ls tr-sl sily sl fos sct por	4.	SO2
2790	10.4	14.9	12.6	14.1	1.01	Ls tr-sl sily sl fos sct por	4.	SO2
2791	12.7	14.0	13.4	23.6	1.95	Ls sl sily sily lam tr fos sct por	2.5	SO2
2792	13.9	14.1	14.0	8.5	<0.01	Ls tr-sl sily sl fos sct anhy tr por	2.5	SL
2793	13.2	14.1	13.7	9.0	0.02	Ls sl sily sl fos tr lam tr-sct por	2.5	SL
2794	14.3	15.0	14.6	12.1	0.09	Ls sl sily sl fos sily lam sct por	2.5	SL
2795	14.9	17.5	16.2	16.1	0.4	Ls sl sily sl fos sily lam sct por	3.	SL
2796	14.7	15.7	15.2	21.9	0.4	Ls sl sily sl fos sily lam sct por	2.5	SL
2797	12.2	11.0	11.6	8.6	<0.01	Ls mod-sl sily tr fos tr lam tr por	2.5	SL
2798	10.2	9.5	9.8	8.8	0.02	Ls mod-sl sily tr fos tr lam tr por	2.	SL
2799	8.8	8.9	8.9	10.4	0.23	Ls sl-mod sily sl fos tr lam sct por	2.	SL
2800	8.8	8.7	8.7	8.4	0.04	Ls mod-sl sily tr fos tr lam tr por	4.	SL
2801	10.2	10.1	10.2	17.6	0.84	Ls sl-mod sily sl fos tr lam sct por	1.5	SL
2802	10.8	12.1	11.5	14.4	0.94	Ls sl-mod sily sl fos tr lam sct por	3.5	SO3
2803	11.2	12.9	12.1	14.2	1.16	Ls sl-mod sily sl fos tr lam sct por	3.	SO3
2804	11.6	13.7	12.7	15.2	1.16	Ls sl-mod sily sl fos tr lam sct por	3.	SO3
2805	12.0	14.5	13.2	3.5	0.06	Ls sl sily anhy incl sl fos tr por	3.5	SO3
2806	11.1	13.2	12.2	12.9	0.41	Ls sl sily sl fos sct por	3.5	SO3
2807	10.9	9.7	10.3	11.2	0.19	Ls sl sily sl fos sct por	3.5	SO3
2808	16.1	8.7	12.4	8.9	TBFA	Sh gy-dkgy mod sily frac tr calc	8.	PS
2809	18.0	8.5	13.2	9.0	TBFA	Sh gy-dkgy mod sily frac tr calc	8.	PS
2810	15.8	8.8	12.3	8.2	<0.01	Silst brn sl-tr sdy tr calc tr por	8.	PS
2811	15.8	9.6	12.7	7.7	<0.01	Silst brn sl-tr sdy tr calc tr por	8.	PS
2812	16.5	9.1	12.8	10.9	TBFA	Silst brn sl-tr sdy tr calc frac tr por	8.	PS
2813	13.9	7.6	10.7	7.0	2.41	Silst brn sl-tr sdy tr calc frac tr por	8.	PS
2814	10.8	7.4	9.1	8.5	<0.01	Rdbd rdbm-brn sl sily sl-mod sdy sl	8.	PS
2815	11.3	8.6	9.9	8.3	0.01	Rdbd rdbm-brn sl sily sl-mod sdy sl	8.	PS
2816	12.8	9.4	11.1	9.6	0.01	Rdbd rdbm-brn sl sily sl-mod sdy sl	8.	PS
2817	14.8	10.6	12.7	9.1	<0.01	Rdbd rdbm-brn sl sily sl-mod sdy sl	8.	PS
2818	18.3	11.1	14.7	6.2	0.25	Rdbm brn-rdbm sl sily/sdy tr anhy s	8.	PS
2819	12.4	9.8	11.1	5.7	<0.01	Rdbm brn-rdbm sl sily/sdy tr anhy s	8.	PS
2820	8.0	7.0	7.5	5.9	<0.01	Rdbm brn-rdbm sl sily/sdy tr anhy s	8.	PS
2821	7.0	6.2	6.6	6.8	0.02	Rdbm brn-rdbm sl sily/sdy tr anhy s	8.	PS
2822	7.4	6.2	6.8	6.6	<0.01	Rdbm brn-rdbm sl sily/sdy tr anhy s	8.	PS
2823	10.4	6.1	8.3	9.2	12.95	Rdbm brn-rdbm sl sily/sdy tr anhy s	8.	PS
2824	15.9	6.2	11.0	9.1	TBFA	Sh gy-gygn sl sily frac tr calc	7.	PS
2825	17.6	7.0	12.3	11.0	TBFA	Sh gy-gygn sl sily frac tr calc	7.	PS
2826	17.5	9.0	13.3	14.5	0.09	Dol tr sily tr fos sily lam sct por	1.	PS
2827	22.0	16.8	19.4	10.3	<0.01	Silst dkgy-gy sl calc tr-sl sdy sct por	1.	PS
2828	22.1	16.1	19.1	10.2	TBFA	Ls sl-mod sily anhy incl silst incl frac	1.	PS
2829	23.6	14.8	19.2	13.1	0.02	Ls sl-mod sily anhy incl sct por	1.	SO4
2830	21.7	12.2	16.9	15.6	0.29	Ls sl sily sl anhy sl dol sct por	3.	SO4
2831	8.8	6.5	7.6	6.1	<0.01	Ls tr sily tr fos tr por	3.	SO4
2832	6.4	4.7	5.6	6.0	0.01	Ls tr sily tr anhy tr fos tr por	3.	SO4
2833	5.8	4.3	5.1	6.1	0.01	Ls tr sily sct anhy sl fos tr por	3.	SF
2834	7.3	4.3	5.8	8.0	<0.01	Ls tr sily sct anhy sl fos tr por	3.5	SF
2835	13.7	6.4	10.0	10.6	0.01	Ls sl sily sl anhy sl fos sct por	3.5	SL
2836	16.8	7.6	12.2	9.4	TBFA	Silst gybrn sily lam sh ptg sl sdy frac	2.5	SL
2837	16.5	7.6	12.1	7.6	<0.01	Sh blk-gyblk abnt fos sct Ls incl mod	3.	SL
2838	15.9	8.6	12.3	11.5	10.18	Sh blk-gyblk abnt fos sct Ls incl mod	2.	SL

27

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153

157

2839	11.6	8.1	9.9	5.4	<0.01	Ls mod slity tr fos slity lam tr por	3.	SL
2840	7.0	6.8	6.9	5.6	TBFA	Ss gy-ltgy vfgtr slity lam frac sl calc tr por	3.5	SL
2841	10.6	6.5	8.5	9.8	<0.01	Sltst gy sl-mod sdy sl calc tr por	3.5	SL
2842	15.1	7.2	11.2	5.7	<0.01	Ls mod slity tr fos slity lam tr por	4.	SL
2843	10.0	7.8	8.9	4.6	<0.01	Ls sl slity sct anhy tr fos tr por	5.	SO5
2844	7.3	7.2	7.3	15.5	2.51	Ls tr slity sct fos sct por	4.5	SO5
2845	6.7	8.9	7.8	16.4	3.27	Ls tr slity sct fos sct por	3.5	SO5
2846	9.9	12.4	11.1	18.3	2.1	Ls tr slity sct fos sct por	3.	SF
2847	15.1	15.9	15.5	18.6	2.77	Ls tr slity sct fos sct por	2.5	SF
2848	15.6	17.5	16.5	16.5	0.95	Ls tr slity sct fos sct por	2.5	SF
2849	15.1	17.4	16.3	17.1	1.16	Ls tr slity sct fos sct por	3.	SF
2850	14.6	15.6	15.1	13.7	0.98	Ls tr slity sl fos sl anhy sct por	3.	SF
2851	12.1	13.4	12.7	6.5	<0.01	Ls tr slity tr fos sl anhy tr por	2.	SF
2852	9.9	10.2	10.0	10.2	0.06	Ls sl-mod slity tr fos sct por	2.	SL
2853	8.8	9.2	9.0	6.7	<0.01	Ls sl-mod slity tr fos tr por	2.	SL
2854	8.1	6.6	7.3	6.3	0.01	Ls sl-mod slity tr fos tr por	2.	SL
2855	7.9	5.2	6.5	6.4	<0.01	Ls sl-mod slity tr fos tr por	2.	SL
2856	8.9	6.1	7.5	8.9	0.05	Ls mod-v slity sl anhy slity lam tr por	2.	SL
2857	12.1	5.7	8.9	7.4	TBFA	Sh blk abnt Ls incl frac sct anhy	1.	SL
2858	13.0	6.9	10.0	8.0	0.01	Ls mod-v slity tr anhy slity lam tr por	1.	SL
2859	12.3	8.4	10.3	6.4	0.03	Ls mod-v slity tr anhy slity lam tr por	1.5	SL
2860	12.9	8.3	10.6	8.3	<0.01	Ls mod-v slity tr anhy slity lam tr por	1.5	SL
2861	10.1	7.2	8.7	1.9	<0.01	Ls sl slity tr fos tr por	3.	TF
2862	5.3	4.3	4.8	1.1	<0.01	Ls sl slity tr fos tr por	3.	TF
2863	2.8	2.8	2.8	1.4	<0.01	Ls sl slity tr fos tr por	3.	TF
2864	2.7	2.8	2.7	4.0	<0.01	Ls sl slity tr fos tr por	4.	TF
2865	3.1	3.6	3.4	6.1	<0.01	Ls sl slity tr fos tr por	2.	TF
2866	4.9	4.2	4.6	5.2	<0.01	Ls sl slity tr fos tr por	2.	TF
2867	6.4	4.2	5.3	5.7	<0.01	Ls sl slity tr fos tr por	2.	TF
2868	8.6	5.8	7.2	11.1	TBFA	Sltst gy tr dol tr sdy grdg to sh	1.	PS
2869	13.0	7.4	10.2	8.2	TBFA	Sltst gy tr dol tr sdy grdg to sh	8.	PS
2870	16.0	6.8	11.4	9.8	<0.01	Rdbd rdbm mod slity sl sdy sl anhy sct por	8.	PS
2871	15.0	6.5	10.8	10.2	0.02	Ls mod-v slity sct fos grdg to sh sct por	8.	PS
2872	16.4	8.8	12.6	11.7	TBFA	Rdbd brn-rdbm sl slity tr calc frac sct por	8.	PS
2873	18.0	8.6	13.3	14.0	0.05	Rdbd slity tr sdy sl dol sct por	8.	PS
2874	14.1	4.3	9.2	5.8	0.49	Rdbd slity tr sdy sl dol sct anhy tr por	8.	PS
2875	12.6	2.9	7.8	6.9	TBFA	Rdbd slity tr sdy sl dol sct anhy frac	8.	PS
2876	12.9	4.7	8.8	5.0	TBFA	Rdbd slity tr sdy sl dol sl anhy frac tr	8.	PS
2877	11.9	6.4	9.1	9.0	0.01	Rdbd brn-rdbm mod slity tr sdy sl ca	8.	PS
2878	11.1	7.4	9.2	7.6	<0.01	Rdbd brn-rdbm mod slity tr sdy sl ca	8.	PS
2879	12.4	7.9	10.1	10.4	0.01	Rdbd brn-rdbm mod slity tr sdy sl ca	8.	PS
2880	16.3	11.5	13.9	12.8	TBFA	Rdbd brn-rdbm mod slity tr sdy frac	8.	PS
2881	20.1	13.4	16.8	8.9	<0.01	Rdbd brn-rdbm mod slity tr sdy sl ca	8.	PS
2882	23.3	16.4	19.8	NO ANALYSIS	NO ANALYSIS	No sample selected for analysis	8.	PS
2883	22.8	16.1	19.4	6.4	1.58	Ls sl slity tr dol tr sl anhy frac tr por	1.5	TF
2884	10.8	3.3	7.0	5.8	<0.01	Ls sl slity tr dol sl-tr anhy tr por	2.	TF
2885	7.6	3.3	5.4	7.8	<0.01	Ls sl slity tr dol sl-tr anhy tr por	2.	TF
2886	5.7	3.3	4.5	4.0	<0.01	Ls sl slity tr dol sl-tr anhy tr por	4.5	SO6
2887	4.5	2.0	3.2	2.2	0.02	Ls sl slity tr dol anhy incl tr por	4.5	SO6
2888	7.2	6.8	7.0	13.8	0.79	Ls tr slity sct fos sct por	4.	SO6
2889	11.2	11.1	11.1	11.3	0.25	Ls tr slity sct fos sct por	3.	SO6
2890	12.7	9.8	11.2	12.4	0.17	Dol sl slity tr fos sl calc sct por	2.	SO6
2891	15.9	7.0	11.4	10.6	0.01	Dol sl-mod slity tr fos sl calc sct por	1.5	SO6
2892	13.0	6.3	9.7	4.8	<0.01	Ls sl slity sl dol tr fos tr por	1.5	SF
2893	7.9	6.9	7.4	6.2	0.02	Ls sl slity tr fos tr por	2.5	SF
2894	5.3	5.1	5.2	4.9	<0.01	Ls sl slity tr fos tr por	3.5	SF
2895	5.1	4.3	4.7	5.0	0.14	Ls sl slity tr fos tr por	3.5	SO6
2896	7.0	6.5	6.8	8.9	0.06	Ls sl slity tr fos tr-sct por	3.5	SO6
2897	6.8	8.3	7.6	9.1	0.08	Ls sl slity tr fos tr-sct por	3.5	SO6
2898	5.7	6.0	5.8	4.1	<0.01	Ls sl slity tr fos tr por	4.	SO6
2899	9.8	9.3	9.6	12.8	TBFA	Sltst gy sl sdy non calc frac sct por	8.	PS
2900	16.4	13.1	14.8	9.0	8.13	Sltst gy sl sdy sl calc frac sct por	8.	PS
2901	23.9	20.7	22.3	NO ANALYSIS	NO ANALYSIS	No sample selected for analysis	8.	PS
2902	28.8	20.7	24.8	11.0	TBFA	Rdbd rdbm gygn mod slity tr anhy fr	8.	PS
2903	24.1	18.6	21.3	6.2	0.05	Rdbd rdbm mod slity tr sdy tr por	8.	PS
2904	18.5	12.7	15.6	8.5	TBFA	Rdbd rdbm mod slity tr sdy frac tr por	8.	PS
2905	19.5	19.4	19.5	11.9	TBFA	Rdbd rdbm mod slity sl sdy frac sct por	8.	PS
2906	20.9	16.6	18.8	13.1	TBFA	Rdbd rdbm mod slity sl-mod sdy frac	8.	PS
2907	21.3	18.9	20.1	9.6	0.07	Dol sl slity tr rdbd tr-sct por	8.	PS
2908	22.0	21.0	21.5	10.4	0.48	Ls sl slity sl fos sct por	4.	TF
2909	12.4	12.8	12.6	15.6	1.21	Ls sl slity sl fos sct por	3.5	SO7
2910	10.3	10.8	10.6	14.2	8.82	Ls sl slity sl fos sct por	4.5	SO7
2911	7.2	8.6	7.9	5.6	0.01	Ls sl slity tr fos tr por	4.5	SO7
2912	6.4	6.4	6.4	11.1	0.22	Ls sl slity sl fos sct por	4.5	SO7
2913	7.4	7.3	7.4	9.9	0.28	Ls sl slity sl fos sl anhy sct por	4.	SO7
2914	8.4	6.5	7.5	10.4	0.56	Ls sl slity sl fos sct anhy incl sct por	4.	TF
2915	8.5	5.3	6.9	6.9	0.44	Ls sl slity sl fos sct anhy tr por	3.5	TF
2916	10.4	11.3	10.8	16.3	0.56	Ls sl slity sl fos sct por	3.	TF
2917	13.5	15.9	14.7	16.3	1.08	Ls tr-sl slity sct fos sct por	2.5	SO7
2918	10.7	13.5	12.1	10.0	0.21	Ls tr-sl slity sl fos sct por	3.	SO7
2919	7.1	7.5	7.3	4.2	0.01	Ls sl slity tr fos slity lam tr por	1.	SF
2920	5.5	3.9	4.7	2.2	<0.01	Ls sl slity tr fos tr por	1.	SF
2921	6.7	5.9	6.3	6.1	0.01	Ls mod slity sl fos slity lam tr por	8.	SF
2922	10.9	8.0	9.5	7.0	0.01	Rdbd rdbm-brn slity tr sdy sl-mod ca	8.	PS
2923	17.8	15.4	16.6	7.6	0.01	Rdbd rdbm-brn slity tr sdy sl-mod ca	8.	PS
2924	24.2	18.6	21.4	13.2	TBFA	Rdbd rdbm-brn slity tr sdy tr calc fra	8.	PS
2925	14.7	11.6	13.2	6.7	0.01	Rdbd rdbm-brn slity sl sdy sl-mod ca	8.	PS
2926	15.1	12.2	13.7	7.1	<0.01	Rdbd rdbm-brn slity tr sdy sl-mod ca	8.	PS
2927	14.1	10.9	12.5	7.8	<0.01	Rdbd rdbm-brn slity tr sdy sl-mod ca	8.	PS

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2928	10.2	7.5	8.8	6.9	0.01	Rdbd rdbm-brn sily tr sdy sl-mod ca	8.	PS
2929	12.5	10.1	11.3	11.6	0.02	Rdbd rdbm-brn sily tr sdy sl calc sct	8.	PS
2930	17.5	13.0	15.3	12.7	0.08	Rdbd rdbm-brn sily tr sdy sl calc sct	8.	PS
2931	19.3	13.8	16.5	10.8	TBFA	Rdbd rdbm-brn sily tr sdy tr calc frac	8.	PS
2932	13.8	8.8	11.3	4.5	TBFA	Rdbd rdbm-brn sily tr sdy tr calc frac	4.5	PS
2933	10.7	11.3	11.0	10.5	1.16	Ls tr-sl sily sl fos sct por	3.5	SO8
2934	10.3	10.9	10.6	13.8	2.39	Ls tr-sl sily sl fos sct por	3.5	SO8
2935	9.6	8.7	9.2	11.4	0.16	Ls tr-sl sily sl fos sct por	3.	SO8
2936	10.6	7.7	9.1	9.5	0.08	Ls tr-sl sily sl fos sl anhy sct por	3.5	SO8
2937	12.7	10.2	11.4	9.1	0.06	Ls tr-sl sily sl fos sl anhy sct por	4.	SO8
2938	11.9	9.8	10.8	7.1	0.04	Rdbd rdbm mod sily sl-mod sdy mo	8.	PS
2939	12.3	8.2	10.3	7.4	0.02	Rdbd rdbm mod sily sl-mod sdy mo	8.	PS
2940	14.3	8.5	11.4	8.1	1.73	Rdbd rdbm mod sily sl-mod sdy mo	8.	PS
2941	13.1	9.1	11.1	11.1	TBFA	Sh rdbm sily tr sdy tr calc frac	8.	PS
2942	9.3	8.1	8.7	6.6	0.02	Rdbd rdbm mod sily sl-mod sdy mo	8.	PS
2943	9.8	8.2	9.0	7.3	0.01	Rdbd rdbm mod sily sl-mod sdy mo	8.	PS
2944	13.2	14.3	13.8	7.2	0.01	Rdbd rdbm mod sily sl-mod sdy mo	8.	PS
2945	24.7	24.0	24.3	9.7	0.01	Rdbd rdbm mod sily mod sdy mod o	8.	PS
2946	16.9	22.3	19.6	6.9	TBFA	Ls mod sily-sily tr anhy frac tr poi	8.	PS
2947	6.8	9.2	8.0	5.1	<0.01	Ls tr-sl sily tr fos tr por	4.	SO9
2948	5.9	7.1	6.5	7.3	0.22	Ls tr-sl sily tr fos tr por	4.5	SO9
2949	7.4	8.1	7.8	10.2	1.29	Ls tr-sl sily tr fos sct por	4.	SO9
2950	5.2	5.9	5.6	11.1	0.28	Ls tr-sl sily tr fos sct por	4.	SO9
2951	4.0	4.1	4.1	3.9	<0.01	Ls tr-sl sily tr fos tr por	4.	SO9
2952	9.3	18.9	14.1	3.7	<0.01	Ls tr-sl sily tr fos tr por	4.	SO9
2953	24.4	999.0	-487.3	3.0	<0.01	Ls tr-sl sily tr fos tr por	4.	SO9
2954	23.6	23.0	23.3	8.3	TBFA	Rdbd rdbm-brn sily mod calc frac tr	1.	PS
2955	13.6	10.8	12.2	4.8	TBFA	Ls mod sily tr fos frac tr por	2.	PS
2956	15.0	13.2	14.1	19.7	26.9	Ls tr sily sct fos sct por	4.	SO10
2957	18.5	21.1	19.8	22.4	162.58	Ls tr sily sct fos sct por	4.	SO10
2958	18.3	21.2	19.8	21.9	122.39	Ls tr sily sct fos sct por	4.	SO10
2959	16.1	17.3	16.7	18.3	10.37	Ls tr sily sct fos sl anhy sct por	3.	SO10
2960	14.1	11.6	12.9	11.4	3.5	Ls tr sily sl fos anhy incl sct por	3.	SF
2961	16.4	10.5	13.4	19.0	68.43	Ls tr sily sct fos anhy incl sct por	3.	SF
2962	19.7	11.6	15.6	17.4	9.56	Ls tr sily sct fos sl anhy sct por	2.5	SF
2963	14.9	11.1	13.0	2.9	0.15	Ls tr sily tr fos sct anhy incl tr por	2.5	SF
2964	9.8	7.1	8.5	8.4	1.6	Ls tr sily tr fos sct anhy incl tr por	2.5	SO10
2965	6.9	4.7	5.8	4.0	TBFA	Anhy xin sct Ls incl frac tr por	3.	SO10
2966	4.8	2.5	3.6	4.6	0.65	Ls tr sily tr fos sct anhy incl tr por	3.	SO10
2967	7.2	7.2	7.2	14.6	34.73	Ls tr sily sct fos sct por	4.5	SO10
2968	14.0	14.5	14.2	18.3	142.2	Ls tr sily sct fos sct por	4.	SO10
2969	15.0	17.0	16.0	9.0	5.98	Ls tr sily sl fos tr-sct por	3.5	SO10
2970	12.2	13.8	13.0	12.7	0.64	Ls tr sily tr-sl fos sl dol sct por	3.5	SO10
2971	10.5	10.4	10.5	14.5	1.49	Ls tr sily sct fos sct por	3.	SO10
2972	8.2	8.3	8.3	5.2	0.01	Ls tr sily sl fos tr por	3.	SO10
2973	5.7	4.1	4.9	4.3	<0.01	Ls tr sily sl fos tr por	3.	SF
2974	5.1	2.5	3.8	4.9	<0.01	Ls sl sily tr fos tr anhy tr por	2.5	SF
2975	8.8	5.2	7.0	12.1	0.04	Silst gy sl-mod sdy tr calc sct por	8.	PS
2976	22.3	17.9	20.1	NO ANALYSIS	No sample selected for analysis	8.	PS	
2977	28.7	17.2	23.0	NO ANALYSIS	No sample selected for analysis	8.	PS	
2978	28.5	13.8	21.1	NO ANALYSIS	No sample selected for analysis	8.	PS	
2979	28.9	12.4	20.6	NO ANALYSIS	No sample selected for analysis	8.	PS	
2980	27.5	12.7	20.1	NO ANALYSIS	No sample selected for analysis	8.	PS	
2981	26.3	11.6	19.0	11.2	TBFA	Rdbd rdbm-gybm sily tr calc frac sc	8.	PS
2982	24.1	9.4	16.7	8.9	TBFA	Rdbd rdbm-gybm sily tr calc sl anhy	8.	PS
2983	20.5	8.7	14.6	6.9	<0.01	Rdbd rdbm-gybm sily tr calc tr poi	8.	PS
2984	20.9	8.9	14.9	12.6	TBFA	Rdbd rdbm-gybm sily tr calc frac sc	8.	PS
2985	23.8	9.8	16.8	10.7	<0.01	Rdbd rdbm-gybm sily tr calc sl anhy	8.	PS
2986	21.2	8.7	15.0	13.8	<0.01	Rdbd rdbm-gybm sily tr calc sl anhy	8.	PS
2987	19.0	7.8	13.4	7.9	<0.01	Rdbd rdbm-gybm sily tr calc sl anhy	8.	PS
2988	19.1	8.7	13.9	6.9	0.01	Rdbd rdbm-gybm sily tr calc sl anhy	8.	PS
2989	20.8	9.6	15.2	NO ANALYSIS	No sample selected for analysis	8.	PS	
2990	21.6	7.9	14.8	9.1	TBFA	Rdbd rdbm-gybm sily tr calc frac tr	8.	PS
2991	21.4	8.4	14.9	8.9	TBFA	Rdbd rdbm-gybm sily tr calc frac tr	8.	PS
2992	19.4	7.6	13.5	NO ANALYSIS	No sample selected for analysis	8.	PS	
2993	18.1	7.9	13.0	NO ANALYSIS	No sample selected for analysis	8.	PS	
2994	18.2	8.3	13.3	NO ANALYSIS	No sample selected for analysis	3.5	PS	
2995	21.7	18.0	19.9	13.5	1.18	Ls tr-sl sily sl fos sct anhy sct por	3.	SO11
2996	30.9	25.8	28.3	10.2	0.98	Ls tr-sl sily sl fos sct por	4.5	SO11
2997	21.3	19.4	20.4	12.2	2.65	Ls tr-sl sily sl fos sct anhy sct por	4.	SO11
2998	12.9	6.7	9.8	12.8	1.42	Ls tr-sl sily sl fos sct por	1.	SO11
2999	9.9	7.9	8.9	8.6	0.07	Ls sl sily tr fos tr por	2.	SO11
3000	10.1	10.0	10.1	9.8	0.34	Ls sl sily tr fos sct por	3.	SO11
3001	10.7	9.6	10.1	13.6	0.7	Ls sl sily tr fos sct por	3.	SO11
3002	11.3	9.1	10.2	13.5	0.65	Ls sl sily tr fos sct por	3.	SO11
3003	11.9	11.8	11.8	12.8	0.33	Ls sl sily tr fos sct por	3.	SO11
3004	12.2	12.2	12.2	9.2	0.44	Ls sl sily tr fos sct-tr por	4.	SO11
3005	11.9	12.0	11.9	7.6	0.01	Ls sl sily tr fos tr anhy tr por	4.	SO11
3006	11.1	11.6	11.4	6.4	0.11	Ls sl sily tr fos tr por	1.	SL
3007	9.2	9.2	9.2	9.2	0.02	Ls sl sily tr fos tr por	1.5	SL
3008	8.0	5.8	6.9	10.0	0.03	Ls sl sily tr fos sct por	2.5	SL
3009	9.4	5.5	7.5	9.8	0.02	Ls sl sily tr fos sct por	1.5	SL
3010	10.1	6.6	8.3	8.8	0.01	Ls sl sily tr fos tr-sct por	2.5	SL
3011	10.8	7.8	9.3	8.2	0.01	Ls sl sily tr fos tr-sct por	2.	SL
3012	10.4	9.1	9.7	7.5	0.01	Ls sl sily tr fos tr por	1.5	SL
3013	9.6	9.3	9.5	6.2	0.01	Ls sl sily tr fos tr por	1.5	SL
3014	9.3	8.5	8.9	7.9	<0.01	Ls sl sily tr fos tr por	1.5	SL
3015	9.5	7.9	8.7	6.1	<0.01	Ls sl sily tr fos tr por	1.5	SL
3016	8.9	6.6	7.8	6.2	<0.01	Ls sl sily tr fos tr por	1.5	SL

3017	8.5	6.8	7.7	6.2	<0.01	Ls sl slty tr fos tr por	1.5	SL
3018	8.5	6.3	7.4	6.4	<0.01	Ls sl slty tr fos tr por	1.5	SL
3019	8.3	6.7	7.5	4.0	<0.01	Ls sl slty tr fos tr por	1.5	SL
3020	8.1	6.4	7.3	6.9	<0.01	Ls sl slty tr fos tr anhy tr por	1.5	SL
3021	8.1	5.9	7.0	5.6	<0.01	Ls sl slty tr fos tr por	1.5	SL
3022	8.5	5.4	6.9	4.4	<0.01	Ls sl slty tr fos tr por	1.5	SL
3023	8.7	6.1	7.4	6.4	0.09	Ls mod slty tr fos tr por	1.	SL
3024	8.4	6.0	7.2	4.8	<0.01	Ls mod slty tr fos tr por	1.5	SL
3025	7.7	5.6	6.7	5.9	TBFA	Ls mod slty tr fos frac tr por	1.5	SL
3026	7.2	5.6	6.4	6.5	<0.01	Ls mod slty-slty grdg to Slst tr por	1.5	SL
3027	6.8	7.1	7.0	8.4	<0.01	Ls mod slty-slty grdg to Slst tr por	1.	SL
3028	7.8	7.8	7.8	6.5	<0.01	Ls mod slty-slty grdg to Slst tr por	1.	SL
3029	8.0	8.1	8.1	8.1	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3030	9.3	9.0	9.2	8.2	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3031	11.3	9.7	10.5	8.8	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3032	12.7	10.1	11.4	7.8	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3033	11.9	9.2	10.5	7.9	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3034	11.7	9.6	10.6	8.6	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3035	12.4	9.9	11.2	8.5	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3036	12.7	11.3	12.0	8.4	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3037	13.1	11.1	12.1	9.7	<0.01	Sh gy-dkgy sl slty mod calc	1.	SL
3038	13.3	11.9	12.6	8.1	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3039	14.4	12.7	13.6	8.8	<0.01	Slst gy-dkgy mod-v calc grdg to arg	1.	SL
3040	15.1	12.4	13.8	9.7	<0.01	Sh gy-dkgy sl slty mod calc	1.	SL
3041	16.2	11.9	14.1	10.2	0.06	Sh gy-dkgy sl slty mod calc	1.	SL
3042	17.3	11.8	14.6	10.0	TBFA	Sh gy-dkgy sl slty mod calc frac	0.	SL
3043	19.0	12.4	15.7	10.6	TBFA	Sh gy-dkgy sl slty mod calc frac	0.	SL
3044	18.2	12.5	15.4	10.3	TBFA	Sh gy-dkgy sl slty mod calc frac	0.	SL

Key
TBFA = To broken for analysis

Key
SO = Shoal
SF = Shoal
TF = Tidal F
PS = Paleos
SL = Shelf/L

Clastic			Carb.			Water Depth			Fauna			Color		
Rock Type	Type/Grn Sz	Clay Content	Bedding	Pore Type	Cem/Pore Fill	Water Depth	Fauna	Color	Water Depth	Fauna	Color	Water Depth	Fauna	Color
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Operator _____
 Well Stuart
 Location _____
 County _____
 API _____
 Elevation _____
 Spud Date _____

Cored Interval _____
 Core Described _____
 KGS Corebarn Loc. _____
 Core Depth Correction _____
 Date _____
 Description by _____
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Plugs	Thin Sect.	Rock Type	Dunham	Clay Content	Grain Size	Pore Type	2nd Pore	Water Depth	Fauna	Color	Features	Core Depth	Comments	Depo	Strat
														Envir	Interval

		1 2 2	9 1 4	0 0 1	2820	Vertical burrows	TF?	A _s
		1 2 2	9 1 4	2 0 1		Faint thin laminae		
		1 2 2	9 1 4	2 0 1		H ₂ burrows		
		1 1 4	9 1 4	0 0 1			CP	
		1 1 4	9 1 4	0 0 1				
		1 1 4	9 1 4	0 0 1	25			L ₁
		1 1 4	9 1 4	2 0 5		strom		
		1 1 4	4 1 4	2 0 5				
		1 1 3	8 1 4	2 0 5		Stromatolitic or anhy ind bil Crally silt	TF	
		1 1 5	3	0 6				
		1 1 4	9 1 4	0 5				
		1 1 4	9 1 4	0 5		CO ₂ mud stone w/ burrows	Loke	
		1 1 4	9 1 4	0 5		thin root tubes etc	CP	
		1 1 5	9 1 4	0 5				
		7 2 11	1 1 3	3 1 3	30	dark fine med. silt. (fine or root molds)		
		5 4 0	4 1 1	4 2 3		in situ breccia (weathering)		
		5 4 1	4 1 1	4 2 3		pell - ctd gm - ost. plect	Shad	
		5 4 1	4 1 1	4 2 3		Whippy lam. (Microstyl?)		
		5 3 1	5 2 1	5 4 3		setol Army displacore		
		5 3 1	5 2 1	5 5 3		Skel Wkst (Echinoids, brach frags)		
		4 2 1	2 2 1	5 8 3		Fine brachs	Lagoon	
		6 8 1	6 2 1	5 8 3		Ripple laminated silt. clay		
		6 8 2	6 2 1	5 8 3	35			
		6 8 2	6 2 1	5 8 3				
		2 1 4	3 0 4	7 5 8		Rippled	S _{DSU}	
		2 1 4	3 0 4	7 5 8		Abdt. crinoids		
		2 1 4	3 0 4	7 5 8				
		2 1 4	3 0 4	7 5 8		Abdt. eye whale Brachs		
		2 1 4	3 0 4	7 5 8				
		2 1 4	4 0 4	7 5 8				
		2 1 4	4 0 4	7 5 8				
		3 1 3	4 0 4	6 6 7				
		4 2 2	4 0 1	6 6 7	40	blk cut mixed shal w/ shal		
		4 2 2	4 0 1	6 6 7		Echin. Crin. brachy brach		
		3 1 3	4 0 4	6 6 7				
		3 2 3	6 1 4	5 8 6		Rippled calcareous silt. shal		
		3 2 3	6 1 4	5 8 6				
		3 1 4	6 1 4	5 7 7		Possible tidal lam		
		5 4 1	6 1 4	3 3 7		Strom - Billed eg silt. frags		
		5 7 0	8 1 1	4 3 6		PA Baffle, encr. brachs on algal blades	Shad	Exposed?
		5 7 0	8 1 1	4 3 6		Sheltered w/ encr. form wkst		BR ECCIA
		5 4 1	5 3 2	4 3 6		Intraclasts voids filled w/ anhy cement		- looks like PA
		5 4 1	5 4 2	4 3 6		PA Blaine vadz		Community collapsed
		5 2 1	3 1 3	5 5 3	45	Skel plect, mostly hand script and		
		5 2 1	3 1 3	5 5 3		some ost. & broken brachs		
		5 2 1	3 1 3	5 5 3		Skel Wkst, brach, setol brachs	Looks	like algal baffled?
		5 2 1	3 1 3	5 5 3		burrows riddled (?) throughout		(PA)
		5 2 1	3 1 3	5 5 3		Whippy clay lam. throughout (setol)		
		5 2 1	3 1 3	5 5 3		Anastomosing microstyl.	Lagoon	
		5 2 1	3 1 3	5 5 3		wh. encr. brachs 49-51 (Free)		
		5 2 1	3 1 3	5 5 3		modules setol. throughout		
		5 3 1	3 0 1	5 5 3	50			
		5 3 1	3 0 1	5 5 6		Burrowed or P. Algal		
		5 3 1	3 0 1	5 5 6		PA Bluffs contact		
		4 2 2	1 0 1	6 8 6		Silty Wkst, wavy lam, chit nodules	S _{DSU}	
		4 1 2	1 0 1	6 8 6				
		4 1 2	1 0 1	6 8 6				
		4 1 2	1 0 1	6 8 7				
		4 2 3	1 0 1	6 7 7		Graptolite Anhy nodules		
		4 2 3	1 0 1	6 7 7				
		3 2 4	3 1 4	6 7 8	55	Crinoidal calc. siltst - wavy bedded		
		3 2 4	3 1 4	6 7 8		also brachs, brach		
		3 2 4	3 1 4	6 7 8				
		3 2 4	3 1 4	6 7 8		Graptolite Anhy nod clusters		
		3 2 4	3 1 4	6 7 8		v. small h ₂ burrows		
		2 2 4	3 1 4	6 7 8				
		2 2 4	3 1 4	6 7 8	2860			

rippled up mud clast
 2851-52
 PA shelter
 PA growth

Exposed?
 BR ECCIA
 - looks like PA
 Community collapsed

Looks like algal baffled? mud

Clastic			Carb.			Operator			Cored Interval			
Rock Type	Type/Grn Sz	Clay Content	Bedding	Pore Type	Cem/Pore Fill	Water Depth	Fauna	Color	Well	Core Described		
1	2	3	4	5	6	7	8	9	Street	KGS Corebarn Loc.		
									Location	Core Depth Correction		
									County	Date		
									API	Description by		
									Elevation	Page		8/7
									Spud Date			

Clastic			Carb.			Operator			Cored Interval						
Plugs	Thin Sect.	Rock Type	Dunham	Clay Content	Grain Size	Pore Type	2nd Pore	Water Depth	Fauna	Color	Features	Core Depth	Comments	Depo Envir	Strat Interval

Plugs	Thin Sect.	Rock Type	Dunham	Clay Content	Grain Size	Pore Type	2nd Pore	Water Depth	Fauna	Color	Features	Core Depth	Comments	Depo Envir	Strat Interval
		2 2 4	-	2 1 4	-	6 7 8						2800	abrupt contact (low? exposure)		
		5 2 1	-	1 0 1	-	5 5 3						2800	collapse breccia, Caliche lam: cimen		
		5 2 1	-	1 0 1	-	5 5 3						2800	Palgal? steel wkst		
		5 2 1	-	1 0 1	-	5 5 3						2800	ehin, encr. foram, brgz		
		5 2 1	-	1 0 1	-	5 5 3						2800	Bl. whorling lamell. (microstyl)		
		5 2 1	-	1 0 1	-	5 5 3						2800	assoc. w/ larger styl.		
		5 2 1	-	1 0 1	-	5 5 3						2800			
		5 4 1	-	6 0 1	-	3 3 7						2800	cg plat. cemented grains & cm CO ₂ mud		
		5 4 1	-	6 0 1	-	3 3 7						2800	Scoured surface (fossils CPA-shelled mud)		
		4 0 1	-	1 1 1	-	3 1 6						2800	sl. silty ost. mudst w/		
		4 0 1	-	1 1 1	-	3 1 6						2800	poss. - few voids at top		
		4 0 1	-	1 1 1	-	3 1 6						2800	burrowed? 66-67		
		8 8 1	-	1 1 1	-	3 1 6						2800	Silty dot. mudst w/ few voids		
		6 0 1	-	1 1 1	-	2 0 6						2800	Algal lam.		
		1 1 4	-	9 1 4	-	0 0 7						2800			
		1 1 4	-		-	0 0 7						2800			
		1 1 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 3	-		-	0 0 1						2800			
		1 2 3	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 4	-		-	0 0 1						2800			
		1 2 3	-		-	0 0 1						2800			
		1 1 4	-	9 1 4	-	0 0 1						2800			
		1 2 4	-	3 1 4	-	0 0 1						2800			
		1 2 4	-	9 1 4	-	0 0 1						2800			
		1 1 4	-		-	0 0 7						2800			
		1 1 4	-	9 1 4	-	0 0 7						2800			
		40	-	7 8 1	-	1 1 2	-	2 1 3				2800			
		42	-	1 1 2	-	3 1 3						2800			
			-	1 1 2	-	3 1 3						2800			
			-	1 1 2	-	3 1 3						2800			
		7 8 1	-	1 1 2	-	3 1 3						2800			
		5 5 0	-	7 1 0	-	4 3 4						2800			
		5 5 0	-	7 1 0	-	4 3 4						2800			
		5 5 0	-	7 1 0	-	4 3 4						2800			
		5 5 0	-	7 1 2	-	4 3 4						2800			
		5 5 0	-	7 1 2	-	4 3 4						2800			
		5 4 0	-	5 2 3	-	4 5 4						2800			
		5 4 0	-	5 2 3	-	4 5 4						2800			
		7 3 0	-	3 2 1	-	5 3 3						2800			
		7 3 0	-	3 2 1	-	5 3 3						2800			
		6 8 1	-	2 2 1	-	5 8 6						2800			
		6 8 1	-	2 2 1	-	5 8 6						2800			
		6 8 1	-	2 2 1	-	5 8 6						2800			
		6 8 2	-	2 2 1	-	6 8 6						2800			
		5 2 0	-	7 1 0	-	5 5 3						2800			
		5 2 0	-	1 1 0	-	5 5 3						2800			
		5 2 0	-	1 1 0	-	5 5 3						2800			
		5 3 0	-	5 1 2	-	5 6 3						2800			
		5 3 0	-	5 1 2	-	5 6 3						2800			
		5 3 0	-	5 1 2	-	5 6 3						2800			
		5 4 0	-	6 1 2	-	5 6 3						2800			
		5 4 0	-	6 1 2	-	5 6 3						2800			
		5 4 0	-	6 1 2	-	5 6 3						2800			
		5 4 0	-	6 1 2	-	5 6 3						2800			
		5 5 0	-	7 1 0	-	4 3 3						2800			
		5 5 0	-	7 1 0	-	4 3 3						2800			
		1 1 4	-	9 1 4	-	0 0 7						2800			
		1 1 4	-	3 1 4	-	0 0 7						2800			

Algal lentic (not PA) w/ conc. 2863.5

Anhy

Lagomud

TF

B₁S

CP

TF

B₁ CROUSE

Lagom

CD₃ U

Shad

CP

B₂S

2900

Clastic	Rock Type	Type/Grn Sz	Clay Content	Bedding	Pore Type	Cem/Pore Fill	Water Depth	Fauna	Color
	1	2	3	4	5	6	7	8	9

Operator _____
 Well Stuart
 Location _____
 County _____
 API _____
 Elevation _____
 Spud Date _____

Cored Interval _____
 Core Described _____
 KGS Corebarn Loc. _____
 Core Depth Correction _____
 Date _____
 Description by _____
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Carb.	Rock Type	Dunham	Clay Content	Grain Size	Pore Type	2nd Pore	Water Depth	Fauna	Color
1	2	3	4	5	6	7	8	9	

Plugs	Thin Sect.	Rock Type	Dunham	Clay Content	Grain Size	Pore Type	2nd Pore	Water Depth	Fauna	Color	Features	Core Depth	Comments	Depo Envir	Strat Interval
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All larger pores filled w/ Anhydrite

		114	914	007				007				29100	AA (post TS)		
		114	914	007				007							
													More abdt. cm calcite nod.		
													(V. little to no Anhydrite)		
												DS			
													Roots w/ Anhy-fill		
		114	914	001				001					Caliche Breccia LTF midst.	JF	B2
		501	112	303				303					Rooted? Black cracks lead in w/ roots		
		501	112	303				303					coastal calcite in? dolomite LS		
		780	222	303				303					crust poss: pelletal?		
	42	550	631	434				434					Cg std zone around plast-gms		M
		550	631	434				434					← large Burrows?	Shoal	d
		550	613	434				434					Cg skel & std zone plast		a
		540	512	564				564					more div, incl. frags, Eugeoceras		i
		540	512	564				564					brnz.		c
		540	512	564				564					PA Ballastone mixed w/ conr	PAB	b
		570	712	544				544					algae boundstone - shelter voids	bound	u
		570	712	544				544					filled w/ stony lps of trapped		y
		570	712	544				544					nod. collapsed to form breccia		g
		570	712	544				544					w/ grainy matrix filling parts		
		550	421	544				544					F-mg pel-skel plast-gms	Shoal	
		550	421	544				544					mod skel w/est-plate		
		550	421	544				544					Abdt Pambryz	CDs u	
		530	412	658				658					silty w/est		
		422	110	676				676					Long Brachs, exhumed frags		
		427	110	676				676					Abdt-rus.		
		421	110	676				676					LAB - CM calcite & other litho clasts	Beach	
		383	414	207				207					scattered calcite calcite nodules		B3
		114	914	005				005					(1 cm)		S
		114	914	001				001					(V. little Anhydrite)		
												25			
		114	914	001				001							
		124	914	001				001							
		124													
		124													
		124	914	001				001							
		114	914	001				001							
												A 30			
		114	914	001				001							
		114	914	007				007					Rubble - calcite clasts; LS lithoclasts		
		550	601	333				333					Cg oncolitic & pelitic plast-gms	Shoal	B3
		550	332	444				444					m-cg oncolite - pellet plast-gms		E
		550	532	444				444					← saturation w/ clay fill & grains (oncolite)		1
		550	532	444				444					sol. voids mostly filled w/ clay		5
	46	422	221	556				556					(Not Anhy)		S
		422	221	556				556					Abgetobryz w/est w/ scler. gms.		
		421	221	656				656					yellowish-brown color		
		431	410	443				443					lay at base of Tge lithoclasts		
		431	410	443				443					green holes (but)		B4
		124	914	001				001					NO calcite or Anhy		3
												40			

Reducing environment due to oxidation of carbon material related to roots

