

FORMATION RECORD
SANTA FE No. 1

FROM	TO	NO. OF FEET	DRILLED OR CORED	DESCRIPTION
0	10	10	Drilled	Surface
10	60	50	"	Clay and Sand
60	105	45	"	Sticky shale
105	140	35	"	--
140	165	25	"	Shale--160--165 sand, grey hard
165	170	5	"	Sand, grey, hard
170	190	20	"	Shale
190	200	10	"	Gray shale
200	205	5	"	Hard shell
205	215	10	"	Muddy shale
215	250	35	"	Grey, muddy shale
250	285	35	"	Gray shale
285	320	35	"	Muddy shale - at 320 sand & water
320	325	5	"	Sandy shale, grey
325	350	25	"	Gray shale
350	355	5	"	Shale
355	365	10	"	sand, water
365	370	5	"	Shale
370	380	10	"	Sand
380	395	15	"	Soft shale
395	405	10	"	Hard shell
405	430	25	"	--
430	450	20	"	Blue shale, sticky
450	480	30	"	Gray shale
480	490	10	"	Gray shale
490	500	10	"	Sand, grey
500	505	5	"	Shale, grey
505	535	30	"	Sand
535	540	5	"	Shale, gray, sticky
540	565	25	"	Sticky shale
565	585	20	"	Sand, gray
585	595	10	"	Shale, gray
595	615	20	"	Shale, gray
615	635	20	"	Gray shale
635	645	10	"	Gray shale, sticky
645	650	5	"	Shale
650	665	15	"	Sand
665	680	15	"	Sand
680	690	10	"	Sticky grey shale
690	700	10	"	Shale
700	705	5	"	Sticky shale
705	720	15	"	Sandy shale
720	725	5	"	Sticky shale
725	745	20	"	Shale
745	775	30	"	Shale
775	810	35	"	Shale
810	825	15	"	Shale
825	835	10	"	Shale, grey, sticky
835	885	50	"	Shale
885	960	75	"	Shale
960	1015	55	"	Shale
1015	1050	35	"	Sticky shale

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYS 441 - QUANTUM MECHANICS

Problem	Chapter	Section	Points
1	1	1.1	10
2	1	1.2	10
3	1	1.3	10
4	1	1.4	10
5	1	1.5	10
6	1	1.6	10
7	1	1.7	10
8	1	1.8	10
9	1	1.9	10
10	1	1.10	10
11	1	1.11	10
12	1	1.12	10
13	1	1.13	10
14	1	1.14	10
15	1	1.15	10
16	1	1.16	10
17	1	1.17	10
18	1	1.18	10
19	1	1.19	10
20	1	1.20	10
21	1	1.21	10
22	1	1.22	10
23	1	1.23	10
24	1	1.24	10
25	1	1.25	10
26	1	1.26	10
27	1	1.27	10
28	1	1.28	10
29	1	1.29	10
30	1	1.30	10
31	1	1.31	10
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37	1	1.37	10
38	1	1.38	10
39	1	1.39	10
40	1	1.40	10
41	1	1.41	10
42	1	1.42	10
43	1	1.43	10
44	1	1.44	10
45	1	1.45	10
46	1	1.46	10
47	1	1.47	10
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73	1	1.73	10
74	1	1.74	10
75	1	1.75	10
76	1	1.76	10
77	1	1.77	10
78	1	1.78	10
79	1	1.79	10
80	1	1.80	10
81	1	1.81	10
82	1	1.82	10
83	1	1.83	10
84	1	1.84	10
85	1	1.85	10
86	1	1.86	10
87	1	1.87	10
88	1	1.88	10
89	1	1.89	10
90	1	1.90	10
91	1	1.91	10
92	1	1.92	10
93	1	1.93	10
94	1	1.94	10
95	1	1.95	10
96	1	1.96	10
97	1	1.97	10
98	1	1.98	10
99	1	1.99	10
100	1	1.100	10

FORMATION RECORD
SANTA FE No. 1

FROM	TO	NO. OF FEET	DRILLED Or CORED	DESCRIPTION
1050	1075	25	Drilled	Shale
1075	1100	25	"	Shale
1100	1105	5	"	Sand - water
1105	1130	25	"	Sand
1130	1145	15	"	Shale
1145	1155	10	"	Shale
1155	1180	25	"	Sand and sandy shale
1180	1205	25	"	Sand and shale
1205	1235	30	"	Sand
1235	1245	10	"	Sand, grey
1245	1250	5	"	Grey shale
1250	1305	55	"	Shale
1305	1320	15	"	Grey, broken sand and shale
1320	1330	10	"	Sand
1330	1335	5	"	Grey shale
1335	1390	55	"	Grey shale
1390	1430	40	"	Shale
1430	1460	30	"	Sandy shale
1460	1470	10	"	Hard sandy shale
1470	1490	20	"	Sandy shale
1490	1525	35	"	Sandy shale
1525	1570	45	"	Shale, at 1570 hard shell.
1570	1590	20	"	Sandy shale
1590	1600	10	"	Sandy shale
1600	1605	5	"	Shale
1605	1655	50	"	Shale
1655	1680	25	"	Shale
1680	1725	45	"	Sandy shale & broken sand & shale.
1725	1755	30	"	Sandy shale
1755	1795	40	"	Sandy shale
1795	1830	35	"	Shale and broken grey sand
1830	1910	80	"	Sandy shale
1910	1960	50	"	Sand and broken, grey sand & shale
1960	2000	40	"	Sandy shale
2000	2045	45	"	Sandy shale
2045	2075	30	"	Sand and some shale
2075	2110	35	"	Shale
2110	2215	105	"	Sand and shale
2215	2255	40	"	Sandy shale
2255	2270	15	"	Sand - GALLUP
2270	2285	15	"	More sand, very silty
2285	2300	15	"	Sand
2300	2335	35	"	Shale
2335	2345	10	"	Sand
2345	2365	20	"	Sand, grey - T.D.