

## STATE-LEA "B" WELL NO. 1

FORMATION RECORD

| From  | To    | Thickness<br>in Feet | Formation          | From  | To    | Thickness<br>in Feet | Formation        |
|-------|-------|----------------------|--------------------|-------|-------|----------------------|------------------|
| 0     | 40    | 40                   | Caliche-redbed     | 10638 | 10643 | 5                    | Dolomite-lime    |
| 40    | 1446  | 1406                 | Redbed             | 10643 | 10686 | 43                   | Lias             |
| 1446  | 1755  | 309                  | Redbed-shells      | 10686 | 10697 | 11                   | Shale            |
| 1755  | 1980  | 225                  | Redbed-anhydrite   | 10697 | 10726 | 29                   | Lime-shale       |
| 1980  | 3049  | 1069                 | Salt-anhydrite     | 10726 | 10753 | 27                   | Shale-lime-chert |
| 3049  | 3055  | 6                    | Anhydrite          | 10753 | 11359 | 606                  | Lime-shale       |
| 3055  | 3167  | 112                  | Anhydrite-salt     | 11359 | 11374 | 15                   | Shale-chert      |
| 3167  | 3210  | 43                   | Anhydrite          | 11374 | 11385 | 11                   | Shale-chert-lime |
| 3210  | 3338  | 128                  | Anhydrite-gyp      | 11385 | 11448 | 63                   | Lime-shale       |
| 3338  | 4627  | 1289                 | Anhydrite          | 11448 | 11470 | 22                   | Lime-shale-chert |
| 4627  | 4648  | 21                   | Dolomite-lime      | 11470 | 11717 | 247                  | Lime-shale       |
| 4648  | 4675  | 27                   | Dolomite           | 11717 | 11727 | 10                   | Shale            |
| 4675  | 5407  | 732                  | Lime               | 11727 | 11918 | 191                  | Lime-shale       |
| 5407  | 5477  | 70                   | Sandy lime         | 11918 | 11936 | 18                   | Lime-chert       |
| 5477  | 5570  | 93                   | Lime-sand          | 11936 | 11950 | 14                   | Lime-shale       |
| 5570  | 5632  | 62                   | Lime               | 11950 | 12022 | 72                   | Lime-chert       |
| 5632  | 6341  | 709                  | Sandy lime         | 12022 | 12030 | 8                    | Lime-shale       |
| 6341  | 7898  | 1557                 | Lime               | 12030 | 12055 | 25                   | Lime-chert       |
| 7898  | 7975  | 77                   | Lime-shale streaks | 12055 | 12064 | 9                    | Lime-shale       |
| 7975  | 8317  | 342                  | Lime-shale         | 12064 | 12072 | 8                    | Lime-chert       |
| 8317  | 8416  | 99                   | Dolomite-chert     | 12072 | 12088 | 16                   | Lime-shale       |
| 8416  | 8442  | 26                   | Lime-chert         | 12088 | 12105 | 17                   | Lime-chert       |
| 8442  | 8642  | 200                  | Lime-shale         | 12105 | 12113 | 8                    | Lime-shale       |
| 8642  | 8719  | 77                   | Shale-dolomite     | 12113 | 12121 | 8                    | Lime-shale-chert |
| 8719  | 9342  | 623                  | Lime-shale         | 12121 | 12129 | 8                    | Lime-chert       |
| 9342  | 9456  | 114                  | Lime               | 12129 | 12421 | 292                  | Lime-shale       |
| 9456  | 9484  | 28                   | Lime-chert         | 12421 | 12426 | 5                    | Lime-chert       |
| 9484  | 9515  | 31                   | Lime-shale         | 12426 | 12440 | 14                   | Lime-chert-shale |
| 9515  | 10040 | 525                  | Lime               | 12440 | 12455 | 15                   | Lime-chert       |
| 10040 | 10077 | 37                   | Lime-shale         | 12455 | 12627 | 172                  | Lime-shale       |
| 10077 | 10212 | 135                  | Lime               | 12627 | 12636 | 9                    | Lime-chert       |
| 10212 | 10273 | 61                   | Lime-shale         | 12636 | 12641 | 5                    | Lime-shale-chert |
| 10273 | 10304 | 31                   | Lime               | 12641 | 12827 | 186                  | Lime-shale       |
| 10304 | 10319 | 15                   | Lime-shale         | 12827 | 12836 | 9                    | Lime             |
| 10319 | 10367 | 48                   | Lime-chert         | 12836 | 12853 | 17                   | Lime-shale       |
| 10367 | 10400 | 33                   | Lime               | 12853 | 12959 | 106                  | Shale            |
| 10400 | 10407 | 7                    | Lime-shale         | 12959 | 12997 | 38                   | Lime-shale       |
| 10407 | 10413 | 6                    | Lime               | 12997 | 13048 | 51                   | Lime             |
| 10413 | 10421 | 8                    | Lime-shale         |       |       |                      |                  |
| 10421 | 10434 | 13                   | Lime               |       | 13048 |                      | Total Depth      |
| 10434 | 10555 | 121                  | Lime-shale         |       |       |                      |                  |
| 10555 | 10638 | 83                   | Lime-chert         |       |       |                      |                  |

PLUGGING RECORD

placed cement plugs 13,048' to 12,898' with 50 sacks cement, from 8365' to 8240' with 75 sacks cement with heavy mud laden fluid between plugs. Drilled cement plug 8240' to 8260', tested formation (see Drill Stem Test #5), placed cement plugs 4733' to 4600' with 50 sacks cement, (60' in open hole below 8-5/8" OD casing and 73' in bottom of 8-5/8" OD casing), and from bottom of cellar to 42' with 8 sacks cement with one joint 14' of 4" pipe cemented in 8-5/8" OD casing for marker, and with heavy mud laden fluid between plugs.