

Table 1  
Soil Samples Analytical Summary  
Siana Oil and Gas, Curry Federal #2  
Lea County, New Mexico

| Boring       | Depth<br>Feet BGS | Date     | Chloride<br>mg/Kg | Benzene<br>mg/kg | Toluene<br>mg/kg | Ethylbenzene<br>mg/kg | Xylene<br>mg/kg | GRO<br>mg/Kg | DRO<br>mg/Kg | Oil<br>mg/Kg | Total TPH<br>mg/Kg |
|--------------|-------------------|----------|-------------------|------------------|------------------|-----------------------|-----------------|--------------|--------------|--------------|--------------------|
| <b>RRAL:</b> |                   |          |                   |                  |                  |                       |                 |              |              |              | <b>5,000</b>       |
| <b>SS-1</b>  | 0 - 1             | 6/9/2016 | 206               | 1.100            | 2.20             | <0.0561               | 31.11           | 4,910        | 25,500       | 2,750        | 33,160             |
|              | 1 - 2             | 6/9/2016 | 847               | 1.390            | 6.16             | <0.0581               | 35.00           | 3,820        | 25,600       | 2,570        | 31,990             |
|              | 2 - 3             | 6/9/2016 | 273               | 3.210            | 4.68             | 6.41                  | 61.60           | 5,290        | 20,900       | 2,330        | 28,520             |
|              | 5 - 6             | 6/9/2016 | 1,690             | 3.27             | 11.100           | 11.5                  | 53.100          | 4,670        | 17,300       | 1,980        | 23,950             |
|              | 10 - 11           | 6/9/2016 | 3,150             | <0.00109         | <0.00217         | <0.00109              | <0.00217        | <27.2        | 196          | 30           | 226                |
| <b>SS-2</b>  | 0 - 1             | 6/9/2016 | 729               | 0.070            | 1.15             | 5.47                  | 24.73           | 3,760        | 35,200       | 3,560        | 42,520             |
|              | 1 - 2             | 6/9/2016 | 1,220             | <0.0581          | 0.18             | 4.89                  | 4.52            | 434          | 4,940        | 628          | 6,002              |
|              | 2 - 3             | 6/9/2016 | 862               | 0.552            | 0.69             | 2.92                  | 4.45            | 874          | 7,040        | 793          | 8,707              |
|              | 5 - 6             | 6/9/2016 | 1,250             | 0.318            | 0.845            | 1.190                 | 10.0            | 1,430        | 8,920        | 949          | 11,299             |
|              | 10 - 11           | 6/9/2016 | --                | --               | --               | --                    | --              | --           | --           | --           | --                 |
| <b>SS-3</b>  | 0 - 1             | 6/9/2016 | 1,830             | 0.547            | 2.98             | 1.3700                | 17.76           | 3,150        | 21,500       | 2,140        | 26,790             |
|              | 1 - 2             | 6/9/2016 | 3,530             | 10.600           | 12.90            | 15.9000               | 33.01           | 11,700       | 23,400       | 3,540        | 38,640             |
|              | 2 - 3             | 6/9/2016 | 926               | 8.350            | 20.20            | 2.1600                | 37.05           | 8,540        | 17,900       | 2,200        | 28,640             |
|              | 5 - 6             | 6/9/2016 | 2,270             | 1.59             | 0.53             | 2.72                  | 12.74           | 11,400       | 23,100       | 2,450        | 36,950             |
|              | 10 - 11           | 6/9/2016 | 3,920             | 1.01             | 7.01             | 4.28                  | 15.52           | 5,100        | 11,000       | 1,130        | 17,230             |
| <b>SS-4</b>  | 0 - 1             | 6/9/2016 | 1,080             | 0.547            | 0.45             | <0.0225               | 4.46            | 2,150        | 8,400        | 1,260        | 11,810             |
|              | 1 - 2             | 6/9/2016 | 10,100            | <0.0244          | 0.91             | <0.0244               | 11.40           | 1,400        | 7,990        | 1,160        | 10,550             |
|              | 2 - 3             | 6/9/2016 | 6,800             | 0.051            | 0.39             | <0.0227               | 6.00            | 728          | 6,170        | 855          | 7,753              |
|              | 5 - 6             | 6/9/2016 | 10,400            | 0.028            | 0.210            | 0.065                 | 0.42            | 999          | 15,100       | 1,860        | 17,959             |
|              | 10 - 11           | 6/9/2016 | --                | --               | --               | --                    | --              | --           | --           | --           | --                 |
| <b>SS-5</b>  | 0 - 1             | 6/9/2016 | 4,170             | 1.750            | 1.10             | 2.05                  | 27.60           | 1,100        | 4,280        | 618          | 5,998              |
|              | 1 - 2             | 6/9/2016 | 4,750             | 1.340            | 5.00             | 3.37                  | 28.32           | 3,360        | 11,000       | 1,380        | 15,740             |
|              | 2 - 3             | 6/9/2016 | 5,110             | 0.158            | 1.38             | 1.720                 | 9.22            | 2,220        | 7,630        | 997          | 10,847             |
|              | 5 - 6             | 6/9/2016 | 6,170             | 0.471            | 1.820            | <0.0230               | 21.45           | 3,490        | 10,600       | 1,330        | 15,420             |
|              | 10 - 11           | 6/9/2016 | 7,070             | <0.00116         | <0.00233         | <0.00116              | <0.00233        | <29.1        | 81           | <29.1        | 81                 |
| <b>SS-6</b>  | 0 - 1             | 6/9/2016 | 2,170             | <0.00112         | <0.00225         | <0.00112              | <0.00225        | 36           | 1,910        | 399          | 2,345              |
|              | 1 - 2             | 6/9/2016 | 4,630             | <0.00112         | <0.00225         | <0.00112              | <0.00225        | 35           | 230          | 52           | 318                |
|              | 2 - 3             | 6/9/2016 | 6,520             | <0.00114         | 0.00314          | <0.00114              | 0.0993          | 127          | 1,640        | 263          | 2,030              |
|              | 5 - 6             | 6/9/2016 | 5,920             | <0.00115         | <0.00230         | <0.00115              | <0.00230        | <28.7        | 127          | 32           | 159                |
|              | 10 - 11           | 6/9/2016 | --                | --               | --               | --                    | --              | --           | --           | --           | --                 |
| <b>SS-7</b>  | 0 - 1             | 6/9/2016 | 8,590             | <0.275           | 1.70             | 4.82                  | 26.61           | 4,460        | 22,600       | 2,170        | 29,230             |
|              | 1 - 2             | 6/9/2016 | 9,380             | <0.278           | 3.90             | 12.7000               | 86.87           | 7,770        | 32,900       | 3,580        | 44,250             |
|              | 2 - 3             | 6/9/2016 | 4,750             | <0.00111         | 0.01             | <0.00111              | 0.12            | 922          | 16,400       | 1,370        | 18,692             |
|              | 5 - 6             | 6/9/2016 | 1,740             | <0.00111         | <0.00222         | <0.00111              | <0.00222        | 338          | 10,400       | 1,150        | 11,888             |
|              | 10 - 11           | 6/9/2016 | 3,340             | <0.284           | <0.568           | <0.284                | 7.19            | 356          | 3,140        | 456          | 3,952              |
| <b>SS-8</b>  | 0 - 1             | 6/9/2016 | 5,240             | <0.275           | 2.05             | <0.275                | 28.43           | 3,700        | 19,800       | 2,340        | 25,840             |
|              | 1 - 2             | 6/9/2016 | 3,840             | <0.272           | 1.55             | <0.272                | 26.29           | 4,630        | 21,600       | 2,730        | 28,960             |
|              | 2 - 3             | 6/9/2016 | 5,060             | <0.00112         | <0.00225         | <0.00112              | <0.00225        | <28.1        | 1,010        | 212          | 1,222              |
|              | 5 - 6             | 6/9/2016 | --                | --               | --               | --                    | --              | --           | --           | --           | --                 |
|              | 10 - 11           | 6/9/2016 | 6,240             | <0.00111         | <0.00222         | <0.00111              | <0.00222        | <27.8        | 76           | <27.8        | 76                 |

**Notes:** Analysis performed by Permian Basin Environmental Lab, Midland, Texas  
Samples analyzed via EPA method SW-8015M (TPH) and SW-300 (chloride).  
Depth measurements are in feet below ground surface (bgs).  
All concentrations are in milligrams per kilogram (mg/Kg) equivalent to parts per million (ppm).