

Table 1 - Soil Sample Analytical Results



Kerr-McGee Oil and Gas Onshore LP

Location: UPRR Pan AM V1 and Bluffs White W5-1

Facility ID: 318111

API #s: 05-123-08416 and 05-123-16567

County: Weld

| COGCC Allowable Concentration --> | | | | | | | | | | Inorganics in Soil | |
|-----------------------------------|-------------|-------------|------------------|-------------------|-------------------|---------|---------|--------------|-----------------|--------------------------------|-------|
| | | | 500 | | | 0.17 | 85 | 100 | 175 | (<4 mmhos/cm or 2x background) | (6-9) |
| Sample ID | Sample Date | Depth (bgs) | TPH-GRO (C6-C10) | TPH-DRO (C10-C28) | TPH-ORO (C28-C36) | Benzene | Toluene | Ethylbenzene | Xylenes - total | Electrical Conductivity | pH |
| SS1 | 09/30/15 | 6' | <0.200 | <50 | <200 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0698 | 9.13* |
| SS1 | 10/05/15 | 15' | <0.200 | <50 | <200 | <0.002 | <0.002 | <0.002 | <0.002 | 0.113 | 7.47 |
| SS1 | 10/07/15 | 12' | <0.200 | <50 | <200 | 0.032 | <0.002 | <0.002 | <0.002 | 0.4230 | 7.86 |
| SS2 | 10/07/15 | 12' | 0.942 | <50 | <200 | 0.005 | <0.002 | 0.002 | 0.036 | 0.3000 | 7.86 |
| SS3 | 10/07/15 | 12' | <0.200 | <50 | <200 | <0.002 | <0.002 | <0.002 | 0.021 | 0.0158 | 8.38 |
| SS4 | 10/07/15 | 6' | 4.35 | <50 | <200 | <0.002 | <0.002 | <0.002 | <0.002 | 0.1270 | 9.15* |
| SS5 | 10/08/15 | 8' | 20.8 | <50 | <200 | <0.002 | <0.002 | <0.002 | <0.002 | 0.1600 | 8.87 |
| SS6 | 10/08/15 | 8' | 137 | 310 | <200 | <0.002 | <0.002 | <0.002 | <0.002 | 0.1400 | 8.92 |
| SS7 | 10/08/15 | 8' | 109 | 140 | <200 | <0.002 | <0.002 | <0.002 | <0.002 | 0.2090 | 9.72* |
| SS8 | 10/09/15 | 8' | 105 | 87 | <200 | <0.002 | <0.002 | 0.376 | 4.790 | 0.4270 | 8.11 |
| SS9 | 10/09/15 | 8' | 106 | 130 | <200 | 0.108 | <0.050 | 0.581 | 9.270 | 0.4490 | 8.24 |
| SS10 | 10/09/15 | 10' | 87.5 | 210 | <200 | <0.050 | <0.050 | 0.204 | 3.550 | 0.3960 | 8.57 |
| SS11 | 10/12/15 | 8' | <0.200 | <50 | <200 | <0.002 | <0.002 | <0.002 | 0.015 | 0.1700 | 9.24* |
| SS12 | 10/12/15 | 10' | 12.4 | <50 | <200 | <0.002 | <0.002 | <0.002 | 0.596 | 0.2820 | 8.15 |
| SS13 | 10/12/15 | 8' | 112 | 140 | <200 | <0.002 | <0.002 | 0.307 | 5.000 | 0.2810 | 8.56 |
| SS14 | 10/12/15 | 10' | 19.8 | <50 | <200 | 0.061 | <0.050 | 0.060 | 0.728 | 0.2190 | 8.55 |
| SS15 | 10/12/15 | 8' | 42.1 | <50 | <200 | <0.050 | <0.050 | <0.050 | 0.644 | 0.7950 | 9.01* |
| SS16 | 10/12/15 | 10' | <5.00 | <50 | <200 | <0.050 | <0.050 | <0.050 | <0.050 | 0.2840 | 8.41 |
| SS17 | 10/12/15 | 8' | 3500 | 690 | <200 | 0.134 | 0.056 | 5.300 | 168.000 | 0.3080 | 8.77 |
| SS18 | 10/12/15 | 8' | 72.6 | 150 | <200 | <0.050 | <0.050 | 0.105 | 1.520 | 0.4800 | 8.32 |
| SS19 | 10/12/15 | 8' | 207 | 390 | <200 | <0.050 | <0.050 | 0.988 | 15.900 | 0.4610 | 8.18 |
| SS20 | 10/12/15 | 8' | 808 | 820 | <200 | 0.124 | <0.050 | 1.470 | 45.300 | 0.4600 | 7.58 |
| SS21 | 10/12/15 | 10' | 288 | 240 | <200 | 0.254 | 0.499 | 0.786 | 14.200 | 0.2760 | 8.62 |
| SS21B | 10/13/15 | 17' | 20.9 | <50 | <200 | 0.134 | 0.128 | 0.096 | 1.810 | 0.4060 | 8.20 |
| SS22 | 10/12/15 | 8' | 14 | <50 | <200 | <0.050 | <0.050 | <0.050 | <0.050 | 0.3530 | 8.41 |
| SS23 | 10/13/15 | 8' | <5 | <50 | <200 | <0.050 | <0.050 | <0.050 | <0.050 | 0.4520 | 8.54 |
| SS24 | 10/13/15 | 8' | <5 | <50 | <200 | <0.050 | <0.050 | <0.050 | <0.050 | 0.5530 | 7.76 |
| SS25 | 10/14/15 | 10' | 10.2 | <50 | <200 | <0.050 | <0.050 | <0.050 | <0.050 | 0.2750 | 9.15* |

Notes:

TPH Total petroleum hydrocarbons
 GRO Gasoline range hydrocarbons (C6 - C10)
 DRO Diesel range organics (C10 - C28)
 ORO Oil range organics (C28 - C36)
Bold cell indicates result exceeded COGCC Table 910-1
 allowable concentration for the contaminant / inorganic of concern

bgs below ground surface
 mg/kg milligrams per kilogram (units for TPH and BTEX)
 mmhos/cm millimhos per centimeter
 NA Not analyzed / not available
 COGCC Colorado Oil and Gas Conservation Commission
 * Sample collected from below the designated root zone