



UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

CROW BUTTE RESOURCES, INC.

(Marsland Expansion Area)

Docket No. 40-8943-MLA-2

ASLBP No. 13-926-01-MLA-BD01

Hearing Exhibit


Exhibit Number:

Exhibit Title:



Test Report

Client: PTS Laboratories, Inc. MI#: 11182
PTS File # 41269; Marsland Core Project Sample Type: Sediment samples
PO# 11-133 Date: 06.06.11

| | |
|-------------------|--|
| Contact | Rachel Spitz |
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| | Santa Fe Springs, CA 90670 |
| E-mail | rspitz@ptsgeolabs.com |
| Phone | 562-347-2500 |
| | |
| PO # | 11-133 |
| Test Methods | XRD (Bulk & Clay Fraction analysis) (n=8) |
| Project ID | PTS File # 41269 |
| | Marsland Core Project |
| | |
| Calibration Date | 06.06.11 |
| | |
| | |
| MI Lab Supervisor |  |
| | Timothy B. Murphy |

CONDITIONS AND QUALIFICATIONS

Mineralogy, Inc. will endeavor to provide accurate and reliable laboratory measurements of the samples provided by the client. The results of any x-ray diffraction, petrographic or core analysis test are necessarily influenced by the condition and selection of the samples to be analyzed. It should be recognized that geological samples are commonly heterogeneous and lack uniform properties. Mineralogical, geochemical and/or petrographic data obtained for a specific sample provides compositional data pertinent to that specific sampling location. Such "site-specific data" may fail to provide adequate characterization of the range of compositional variability possible within a given project area, thus the "projection" of these laboratory findings and values to adjoining, "untested" areas of the formation or project area is inherently risky, and exceeds the scope of the laboratory work request. Hence, Mineralogy, Inc. shall not assume any liability risk or responsibility for any loss or potential failure associated with the application of "site or sample-specific laboratory data" to "untested" areas of the formation or project area. Unless otherwise directed, the samples selected for analysis will be chosen to reflect a visually representative portion of the bulk sample submitted for analysis. Where provided, the interpretation of x-ray diffraction, petrographic or core analysis results constitutes the best geological judgment of Mineralogy, Inc., and is subject to the sampling limitations described above, and the detection limits inherent to semi-quantitative and/or qualitative mineralogical and microscopic analysis. Mineralogy, Inc. assumes no responsibility nor offers any guarantee of the productivity, suitability or performance of any oil or gas well, hydrocarbon recovery process, dimension stone, and/or ore material based upon the data or conclusions presented in this report.



MINERALOGY, INC.

TABLE I

X-RAY DIFFRACTION ANALYSIS

Client: PTS Laboratories, Inc. MI#: 11182
 PTS File # 41269; Marsland Core Project Sample Type: Sediment samples
 PO# 11-133 Date: 06.06.11

X-Ray Diffraction Results

| Mineral Constituents | Sample ID | M1454c | | | | M1624c | | | |
|---------------------------------------|--|------------------------|----------|----------|----------|----------|----------|----------|----------|
| | | Run 1 | Run 2 | Run 3 | Run 4 | Run 1 | Run 2 | Run 4 | Run 5 |
| | Lab ID | 11182-01 | 11182-02 | 11182-03 | 11182-04 | 11182-05 | 11182-06 | 11182-07 | 11182-08 |
| Chemical Formula | | Relative Abundance (%) | | | | | | | |
| Quartz | SiO ₂ | 15 | 11 | 63 | 29 | 15 | 14 | 54 | 23 |
| Plagioclase Feldspar | (Na,Ca)AlSi ₃ O ₈ | 9 | 8 | 4 | 5 | 11 | 10 | 4 | 5 |
| K-Feldspar | KAlSi ₃ O ₈ | 2 | 2 | 8 | 5 | 5 | 3 | 8 | 4 |
| Calcite | CaCO ₃ | 47 | 35 | trc | | 13 | 1 | 1 | |
| Dolomite | (Ca,Mg)(CO ₃) ₂ | | | | 3 | | | 2 | |
| Siderite | FeCO ₃ | | | 1 | | | | | |
| Pyrite | FeS ₂ | | | 1 | | | | | 1 |
| Magnetite | alpha-Fe ₃ O ₄ | | 1 | trc | | 2 | | | |
| Magnesium Vanadium Oxide | beta-Mg(VO ₃) | | | 2 | | | | | |
| Kaolinite | Al ₂ Si ₂ O ₅ (OH) ₄ | | | 1 | 2 | | | trc | 2 |
| Chlorite | (Fe,Al,Mg) ₃ (Si,Al) ₄ O ₁₀ (OH) ₂ | | | | 2 | | trc | | 2 |
| Illite/Mica | KAl ₂ (Si ₃ AlO ₁₀)(OH) ₂ | 2 | 5 | 2 | 6 | 5 | 12 | 3 | 8 |
| Mixed-Layered Illite/Smectite | K _{0.5} Al ₂ (Si ₁ Al) ₄ O ₁₀ (OH) ₂ · 2H ₂ O | | 38 | 18 | 48 | 49 | 60 | 28 | 55 |
| Montmorillonite | Na _{0.3} (Al,Mg) ₂ Si ₄ O ₁₀ (OH) ₂ · xH ₂ O | 25 | | | | | | | |
| TOTAL | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| % Illite Layers in ML Illite/Smectite | (+/- 5%) | | 45% | 10% | 25% | 10% | 25% | 15% | 20% |

PARTICLE SIZE SUMMARY
(METHODOLOGY: ASTM D422/D4464M)

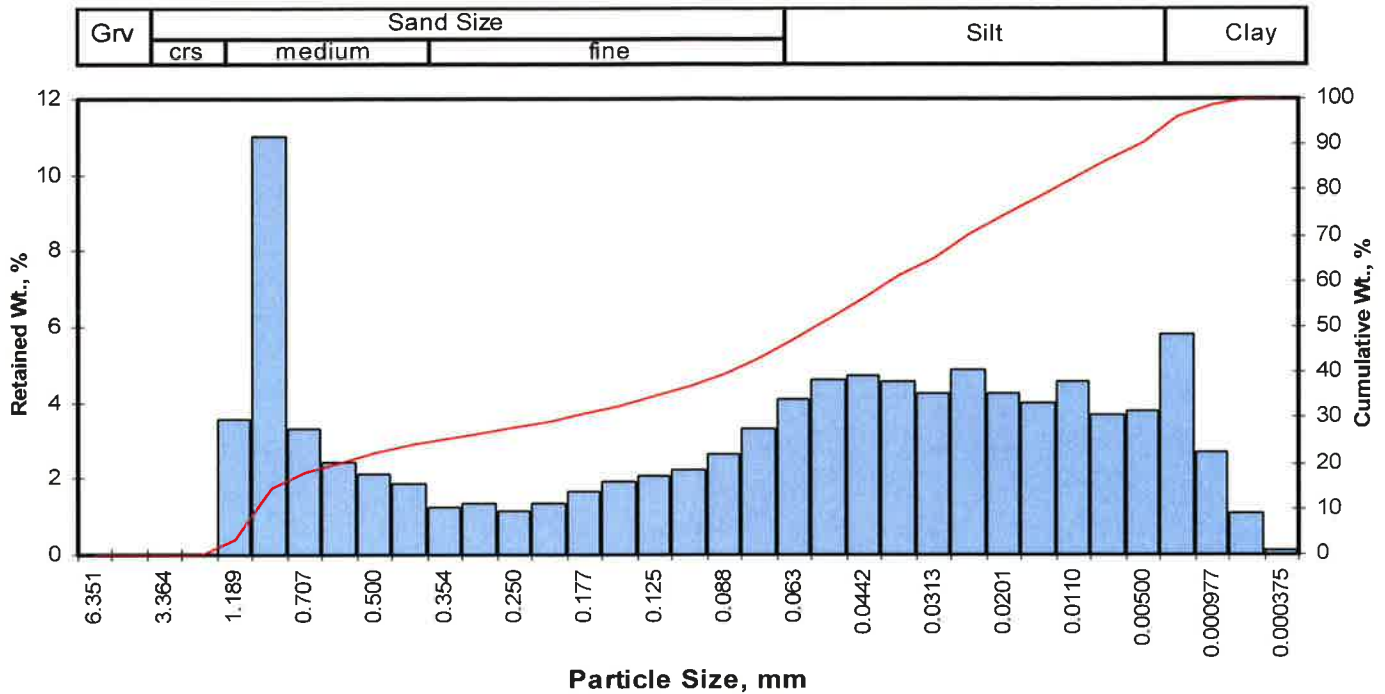
PROJECT NAME: Marsland Core
PROJECT NO: N/A

| Sample ID | Depth, ft. | Median Grain Size mm | Particle Size Distribution, wt. percent | | | | | | Silt & Clay |
|---------------|------------|-------------------------|---|-----------|--------|-------|-------|-------|----------------|
| | | | Gravel | Sand Size | | | Silt | Clay | |
| | | | | Coarse | Medium | Fine | | | |
| M-1454c Run 1 | N/A | 0.056 | 0.00 | 0.00 | 24.31 | 18.80 | 47.25 | 9.64 | 56.89 |
| M-1454c Run 2 | N/A | 0.027 | 0.00 | 0.00 | 8.58 | 24.41 | 46.36 | 20.65 | 67.01 |
| M-1454c Run 3 | N/A | 0.075 | 0.00 | 0.00 | 2.74 | 47.49 | 29.85 | 19.92 | 49.77 |
| M-1454c Run 4 | N/A | 0.007 | 0.00 | 0.00 | 0.00 | 0.45 | 60.15 | 39.40 | 99.55 |
| M-1624c Run 1 | N/A | 0.049 | 0.00 | 0.00 | 7.50 | 29.12 | 54.65 | 8.73 | 63.38 |
| M-1624c Run 2 | N/A | 0.065 | 0.00 | 0.00 | 26.37 | 22.12 | 34.96 | 16.54 | 51.50 |
| M-1624c Run 4 | N/A | 0.711 | 0.00 | 0.00 | 69.05 | 14.89 | 11.56 | 4.50 | 16.06 |
| M-1624c Run 5 | N/A | 0.005 | 0.00 | 0.00 | 0.00 | 1.28 | 50.88 | 47.85 | 98.72 |

(1) Based on Mean from Trask

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1454c Run 1
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent |
|----------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|
| Inches | Millimeters | | | | | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 |
| 0.0468 | 1.189 | -0.25 | 16 | 3.58 | 3.58 | 3.58 |
| 0.0331 | 0.841 | 0.25 | 20 | 11.00 | 11.00 | 14.59 |
| 0.0278 | 0.707 | 0.50 | 25 | 3.31 | 3.31 | 17.90 |
| 0.0234 | 0.595 | 0.75 | 30 | 2.42 | 2.42 | 20.32 |
| 0.0197 | 0.500 | 1.00 | 35 | 2.14 | 2.14 | 22.46 |
| 0.0166 | 0.420 | 1.25 | 40 | 1.85 | 1.85 | 24.31 |
| 0.0139 | 0.354 | 1.50 | 45 | 1.22 | 1.22 | 25.53 |
| 0.0117 | 0.297 | 1.75 | 50 | 1.34 | 1.34 | 26.87 |
| 0.0098 | 0.250 | 2.00 | 60 | 1.13 | 1.13 | 28.00 |
| 0.0083 | 0.210 | 2.25 | 70 | 1.36 | 1.36 | 29.36 |
| 0.0070 | 0.177 | 2.50 | 80 | 1.63 | 1.63 | 30.99 |
| 0.0059 | 0.149 | 2.75 | 100 | 1.89 | 1.89 | 32.88 |
| 0.0049 | 0.125 | 3.00 | 120 | 2.06 | 2.06 | 34.94 |
| 0.0041 | 0.105 | 3.25 | 140 | 2.23 | 2.23 | 37.17 |
| 0.0035 | 0.088 | 3.50 | 170 | 2.62 | 2.62 | 39.80 |
| 0.0029 | 0.074 | 3.75 | 200 | 3.31 | 3.31 | 43.11 |
| 0.0025 | 0.063 | 4.00 | 230 | 4.09 | 4.09 | 47.20 |
| 0.0021 | 0.053 | 4.25 | 270 | 4.59 | 4.59 | 51.79 |
| 0.00174 | 0.0442 | 4.50 | 325 | 4.73 | 4.73 | 56.52 |
| 0.00146 | 0.0372 | 4.75 | 400 | 4.54 | 4.54 | 61.06 |
| 0.00123 | 0.0313 | 5.00 | 450 | 4.23 | 4.23 | 65.30 |
| 0.000986 | 0.0250 | 5.32 | 500 | 4.87 | 4.87 | 70.17 |
| 0.000790 | 0.0201 | 5.64 | 635 | 4.23 | 4.23 | 74.40 |
| 0.000615 | 0.0156 | 6.00 | | 3.98 | 3.98 | 78.38 |
| 0.000435 | 0.0110 | 6.50 | | 4.53 | 4.53 | 82.91 |
| 0.000308 | 0.00781 | 7.00 | | 3.67 | 3.67 | 86.58 |
| 0.000197 | 0.00500 | 7.65 | | 3.77 | 3.77 | 90.36 |
| 0.000077 | 0.00195 | 9.00 | | 5.78 | 5.78 | 96.14 |
| 0.000038 | 0.000977 | 10.00 | | 2.69 | 2.69 | 98.83 |
| 0.000019 | 0.000488 | 11.00 | | 1.08 | 1.08 | 99.91 |
| 0.000015 | 0.000375 | 11.38 | | 0.09 | 0.09 | 100.00 |
| TOTALS | | | | 100.00 | 100.00 | 100.00 |

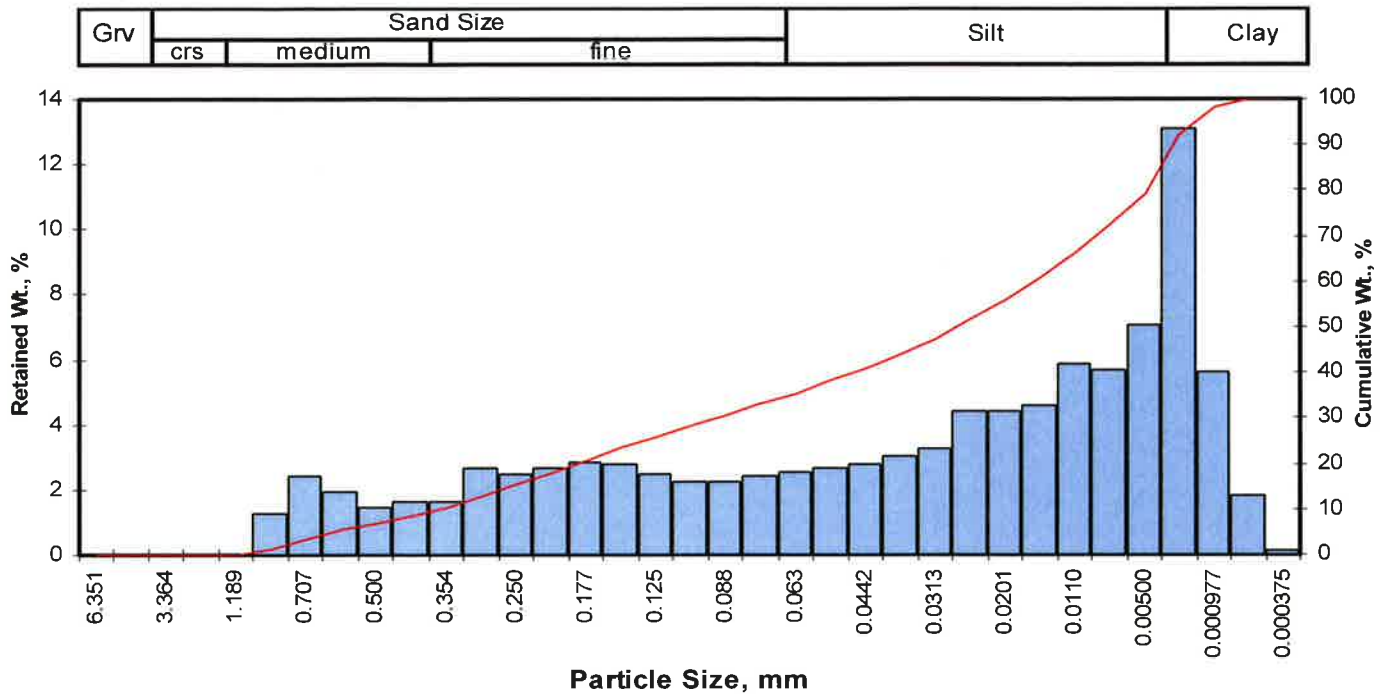
| Cumulative Weight Percent greater than | | | |
|--|-----------|---------------|-------------|
| Weight percent | Phi Value | Particle Size | |
| | | Inches | Millimeters |
| 5 | -0.19 | 0.0448 | 1.137 |
| 10 | 0.04 | 0.0383 | 0.972 |
| 16 | 0.36 | 0.0307 | 0.781 |
| 25 | 1.39 | 0.0150 | 0.381 |
| 40 | 3.52 | 0.0034 | 0.087 |
| 50 | 4.15 | 0.0022 | 0.056 |
| 60 | 4.69 | 0.0015 | 0.039 |
| 75 | 5.69 | 0.0008 | 0.019 |
| 84 | 6.65 | 0.0004 | 0.010 |
| 90 | 7.58 | 0.0002 | 0.005 |
| 95 | 8.73 | 0.0001 | 0.002 |

| Measure | Trask | Inman | Folk-Ward |
|--|--------|--------------------------------------|-----------|
| Median, phi | 4.15 | 4.15 | 4.15 |
| Median, in. | 0.0022 | 0.0022 | 0.0022 |
| Median, mm | 0.056 | 0.056 | 0.056 |
| Mean, phi | 2.32 | 3.50 | 3.72 |
| Mean, in. | 0.0079 | 0.0035 | 0.0030 |
| Mean, mm | 0.200 | 0.088 | 0.076 |
| Sorting | 4.443 | 3.146 | 2.924 |
| Skewness | 1.526 | -0.207 | -0.090 |
| Kurtosis | 0.187 | 0.418 | 0.849 |
| Grain Size Description (ASTM-USCS Scale) | | Fine sand (based on Mean from Trask) | |

| Description | Retained on Sieve # | Weight Percent |
|-------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 24.31 |
| Fine Sand | 200 | 18.80 |
| Silt | >0.005 mm | 47.25 |
| Clay | <0.005 mm | 9.64 |
| Total | | 100 |

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1454c Run 2
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent |
|----------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|
| Inches | Millimeters | | | | | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 |
| 0.0468 | 1.189 | -0.25 | 16 | 0.00 | 0.00 | 0.00 |
| 0.0331 | 0.841 | 0.25 | 20 | 1.24 | 1.24 | 1.24 |
| 0.0278 | 0.707 | 0.50 | 25 | 2.40 | 2.40 | 3.64 |
| 0.0234 | 0.595 | 0.75 | 30 | 1.92 | 1.92 | 5.56 |
| 0.0197 | 0.500 | 1.00 | 35 | 1.42 | 1.42 | 6.98 |
| 0.0166 | 0.420 | 1.25 | 40 | 1.60 | 1.60 | 8.58 |
| 0.0139 | 0.354 | 1.50 | 45 | 1.64 | 1.64 | 10.22 |
| 0.0117 | 0.297 | 1.75 | 50 | 2.63 | 2.63 | 12.85 |
| 0.0098 | 0.250 | 2.00 | 60 | 2.46 | 2.46 | 15.31 |
| 0.0083 | 0.210 | 2.25 | 70 | 2.67 | 2.67 | 17.98 |
| 0.0070 | 0.177 | 2.50 | 80 | 2.82 | 2.82 | 20.80 |
| 0.0059 | 0.149 | 2.75 | 100 | 2.77 | 2.77 | 23.57 |
| 0.0049 | 0.125 | 3.00 | 120 | 2.49 | 2.49 | 26.06 |
| 0.0041 | 0.105 | 3.25 | 140 | 2.26 | 2.26 | 28.32 |
| 0.0035 | 0.088 | 3.50 | 170 | 2.26 | 2.26 | 30.58 |
| 0.0029 | 0.074 | 3.75 | 200 | 2.41 | 2.41 | 32.99 |
| 0.0025 | 0.063 | 4.00 | 230 | 2.55 | 2.55 | 35.54 |
| 0.0021 | 0.053 | 4.25 | 270 | 2.63 | 2.63 | 38.17 |
| 0.00174 | 0.0442 | 4.50 | 325 | 2.80 | 2.80 | 40.97 |
| 0.00146 | 0.0372 | 4.75 | 400 | 3.04 | 3.04 | 44.01 |
| 0.00123 | 0.0313 | 5.00 | 450 | 3.28 | 3.28 | 47.29 |
| 0.000986 | 0.0250 | 5.32 | 500 | 4.40 | 4.40 | 51.69 |
| 0.000790 | 0.0201 | 5.64 | 635 | 4.43 | 4.43 | 56.12 |
| 0.000615 | 0.0156 | 6.00 | | 4.61 | 4.61 | 60.73 |
| 0.000435 | 0.0110 | 6.50 | | 5.86 | 5.86 | 66.59 |
| 0.000308 | 0.00781 | 7.00 | | 5.69 | 5.69 | 72.28 |
| 0.000197 | 0.00500 | 7.65 | | 7.07 | 7.07 | 79.35 |
| 0.000077 | 0.00195 | 9.00 | | 13.10 | 13.10 | 92.45 |
| 0.000038 | 0.000977 | 10.00 | | 5.63 | 5.63 | 98.08 |
| 0.000019 | 0.000488 | 11.00 | | 1.79 | 1.79 | 99.87 |
| 0.000015 | 0.000375 | 11.38 | | 0.13 | 0.13 | 100.00 |
| TOTALS | | | | 100.00 | 100.00 | 100.00 |

| Cumulative Weight Percent greater than | | | |
|--|-----------|---------------|-------------|
| Weight percent | Phi Value | Particle Size | |
| | | Inches | Millimeters |
| 5 | 0.68 | 0.0246 | 0.625 |
| 10 | 1.47 | 0.0142 | 0.362 |
| 16 | 2.06 | 0.0094 | 0.239 |
| 25 | 2.89 | 0.0053 | 0.135 |
| 40 | 4.41 | 0.0018 | 0.047 |
| 50 | 5.20 | 0.0011 | 0.027 |
| 60 | 5.94 | 0.0006 | 0.016 |
| 75 | 7.25 | 0.0003 | 0.007 |
| 84 | 8.13 | 0.0001 | 0.004 |
| 90 | 8.75 | 0.0001 | 0.002 |
| 95 | 9.45 | 0.0001 | 0.001 |

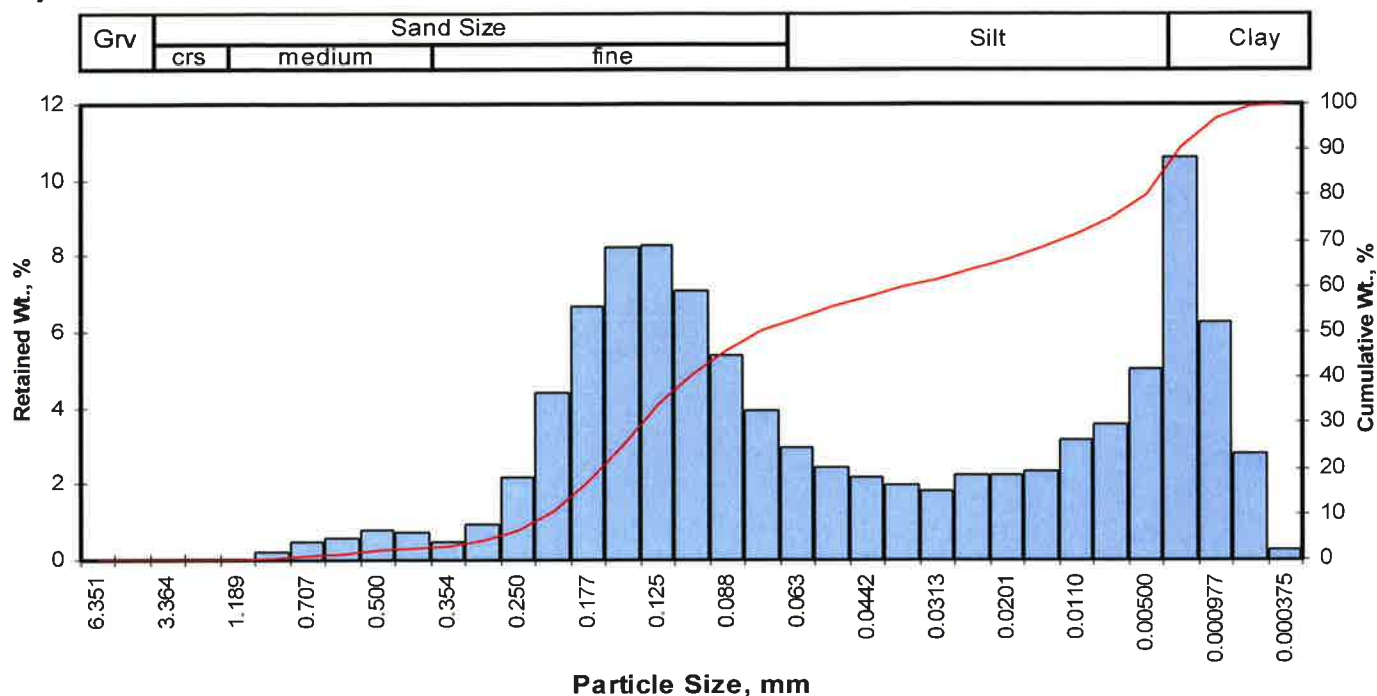
| Measure | Trask | Inman | Folk-Ward |
|-------------|--------|--------|-----------|
| Median, phi | 5.20 | 5.20 | 5.20 |
| Median, in. | 0.0011 | 0.0011 | 0.0011 |
| Median, mm | 0.027 | 0.027 | 0.027 |
| Mean, phi | 3.82 | 5.10 | 5.13 |
| Mean, in. | 0.0028 | 0.0012 | 0.0011 |
| Mean, mm | 0.071 | 0.029 | 0.029 |
| Sorting | 4.523 | 3.031 | 2.845 |
| Skewness | 1.091 | -0.034 | -0.032 |
| Kurtosis | 0.178 | 0.448 | 0.826 |

| Grain Size Description | Silt |
|------------------------|----------------------------|
| (ASTM-USCS Scale) | (based on Mean from Trask) |

| Description | Retained on Sieve # | Weight Percent |
|-------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 8.58 |
| Fine Sand | 200 | 24.41 |
| Silt | >0.005 mm | 46.36 |
| Clay | <0.005 mm | 20.65 |
| Total | | 100 |

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1454c Run 3
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent |
|----------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|
| Inches | Millimeters | | | | | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 |
| 0.0468 | 1.189 | -0.25 | 16 | 0.00 | 0.00 | 0.00 |
| 0.0331 | 0.841 | 0.25 | 20 | 0.23 | 0.23 | 0.23 |
| 0.0278 | 0.707 | 0.50 | 25 | 0.47 | 0.47 | 0.70 |
| 0.0234 | 0.595 | 0.75 | 30 | 0.59 | 0.59 | 1.29 |
| 0.0197 | 0.500 | 1.00 | 35 | 0.75 | 0.75 | 2.04 |
| 0.0166 | 0.420 | 1.25 | 40 | 0.70 | 0.70 | 2.74 |
| 0.0139 | 0.354 | 1.50 | 45 | 0.45 | 0.45 | 3.19 |
| 0.0117 | 0.297 | 1.75 | 50 | 0.94 | 0.94 | 4.13 |
| 0.0098 | 0.250 | 2.00 | 60 | 2.16 | 2.16 | 6.29 |
| 0.0083 | 0.210 | 2.25 | 70 | 4.38 | 4.38 | 10.67 |
| 0.0070 | 0.177 | 2.50 | 80 | 6.68 | 6.68 | 17.35 |
| 0.0059 | 0.149 | 2.75 | 100 | 8.23 | 8.23 | 25.59 |
| 0.0049 | 0.125 | 3.00 | 120 | 8.27 | 8.27 | 33.86 |
| 0.0041 | 0.105 | 3.25 | 140 | 7.07 | 7.07 | 40.93 |
| 0.0035 | 0.088 | 3.50 | 170 | 5.38 | 5.38 | 46.31 |
| 0.0029 | 0.074 | 3.75 | 200 | 3.92 | 3.92 | 50.23 |
| 0.0025 | 0.063 | 4.00 | 230 | 2.97 | 2.97 | 53.20 |
| 0.0021 | 0.053 | 4.25 | 270 | 2.45 | 2.45 | 55.65 |
| 0.00174 | 0.0442 | 4.50 | 325 | 2.16 | 2.16 | 57.81 |
| 0.00146 | 0.0372 | 4.75 | 400 | 1.94 | 1.94 | 59.75 |
| 0.00123 | 0.0313 | 5.00 | 450 | 1.81 | 1.81 | 61.56 |
| 0.000986 | 0.0250 | 5.32 | 500 | 2.24 | 2.24 | 63.80 |
| 0.000790 | 0.0201 | 5.64 | 635 | 2.21 | 2.21 | 66.01 |
| 0.000615 | 0.0156 | 6.00 | | 2.32 | 2.32 | 68.33 |
| 0.000435 | 0.0110 | 6.50 | | 3.13 | 3.13 | 71.46 |
| 0.000308 | 0.00781 | 7.00 | | 3.58 | 3.58 | 75.05 |
| 0.000197 | 0.00500 | 7.65 | | 5.03 | 5.03 | 80.08 |
| 0.000077 | 0.00195 | 9.00 | | 10.60 | 10.60 | 90.68 |
| 0.000038 | 0.000977 | 10.00 | | 6.28 | 6.28 | 96.96 |
| 0.000019 | 0.000488 | 11.00 | | 2.80 | 2.80 | 99.76 |
| 0.000015 | 0.000375 | 11.38 | | 0.24 | 0.24 | 100.00 |
| TOTALS | | | | 100.00 | 100.00 | 100.00 |

| Cumulative Weight Percent greater than | | | |
|--|-----------|---------------|-------------|
| Weight percent | Phi Value | Particle Size | |
| | | Inches | Millimeters |
| 5 | 1.85 | 0.0109 | 0.277 |
| 10 | 2.21 | 0.0085 | 0.216 |
| 16 | 2.45 | 0.0072 | 0.183 |
| 25 | 2.73 | 0.0059 | 0.150 |
| 40 | 3.22 | 0.0042 | 0.108 |
| 50 | 3.74 | 0.0030 | 0.075 |
| 60 | 4.78 | 0.0014 | 0.036 |
| 75 | 6.99 | 0.0003 | 0.008 |
| 84 | 8.15 | 0.0001 | 0.004 |
| 90 | 8.91 | 0.0001 | 0.002 |
| 95 | 9.69 | 0.0000 | 0.001 |

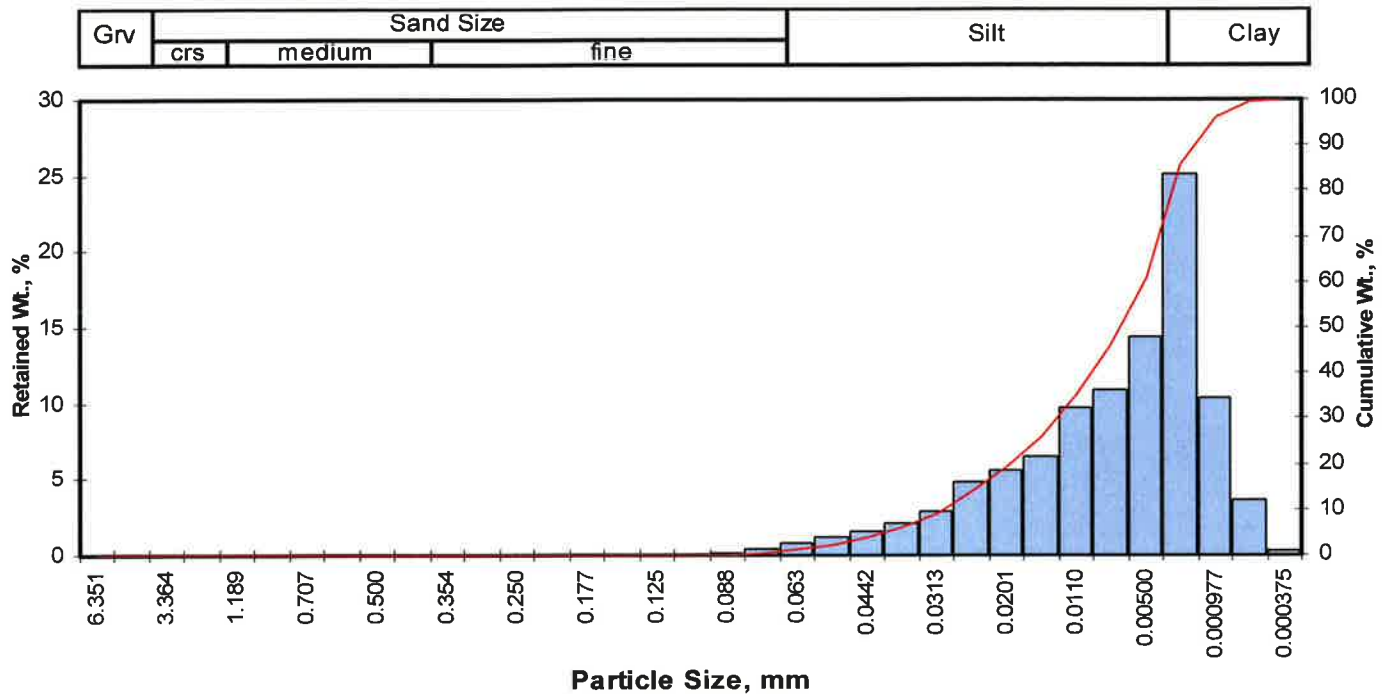
| Measure | Trask | Inman | Folk-Ward |
|-------------|--------|--------|-----------|
| Median, phi | 3.74 | 3.74 | 3.74 |
| Median, in. | 0.0030 | 0.0030 | 0.0030 |
| Median, mm | 0.075 | 0.075 | 0.075 |
| Mean, phi | 3.66 | 5.30 | 4.78 |
| Mean, in. | 0.0031 | 0.0010 | 0.0014 |
| Mean, mm | 0.079 | 0.025 | 0.036 |
| Sorting | 4.379 | 2.849 | 2.612 |
| Skewness | 0.458 | 0.549 | 0.534 |
| Kurtosis | 0.334 | 0.376 | 0.754 |

| Grain Size Description | Fine sand |
|------------------------|----------------------------|
| (ASTM-USCS Scale) | (based on Mean from Trask) |

| Description | Retained on Sieve # | Weight Percent |
|-------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 2.74 |
| Fine Sand | 200 | 47.49 |
| Silt | >0.005 mm | 29.85 |
| Clay | <0.005 mm | 19.92 |
| Total | | 100 |

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1454c Run 4
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent |
|---------------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|
| Inches | Millimeters | | | | | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 |
| 0.0468 | 1.189 | -0.25 | 16 | 0.00 | 0.00 | 0.00 |
| 0.0331 | 0.841 | 0.25 | 20 | 0.00 | 0.00 | 0.00 |
| 0.0278 | 0.707 | 0.50 | 25 | 0.00 | 0.00 | 0.00 |
| 0.0234 | 0.595 | 0.75 | 30 | 0.00 | 0.00 | 0.00 |
| 0.0197 | 0.500 | 1.00 | 35 | 0.00 | 0.00 | 0.00 |
| 0.0166 | 0.420 | 1.25 | 40 | 0.00 | 0.00 | 0.00 |
| 0.0139 | 0.354 | 1.50 | 45 | 0.00 | 0.00 | 0.00 |
| 0.0117 | 0.297 | 1.75 | 50 | 0.00 | 0.00 | 0.00 |
| 0.0098 | 0.250 | 2.00 | 60 | 0.00 | 0.00 | 0.00 |
| 0.0083 | 0.210 | 2.25 | 70 | 0.00 | 0.00 | 0.00 |
| 0.0070 | 0.177 | 2.50 | 80 | 0.00 | 0.00 | 0.00 |
| 0.0059 | 0.149 | 2.75 | 100 | 0.00 | 0.00 | 0.00 |
| 0.0049 | 0.125 | 3.00 | 120 | 0.00 | 0.00 | 0.00 |
| 0.0041 | 0.105 | 3.25 | 140 | 0.00 | 0.00 | 0.00 |
| 0.0035 | 0.088 | 3.50 | 170 | 0.08 | 0.08 | 0.09 |
| 0.0029 | 0.074 | 3.75 | 200 | 0.36 | 0.36 | 0.45 |
| 0.0025 | 0.063 | 4.00 | 230 | 0.77 | 0.77 | 1.22 |
| 0.0021 | 0.053 | 4.25 | 270 | 1.14 | 1.14 | 2.36 |
| 0.00174 | 0.0442 | 4.50 | 325 | 1.55 | 1.55 | 3.91 |
| 0.00146 | 0.0372 | 4.75 | 400 | 2.10 | 2.10 | 6.01 |
| 0.00123 | 0.0313 | 5.00 | 450 | 2.87 | 2.87 | 8.88 |
| 0.000986 | 0.0250 | 5.32 | 500 | 4.78 | 4.78 | 13.66 |
| 0.000790 | 0.0201 | 5.64 | 635 | 5.62 | 5.62 | 19.28 |
| 0.000615 | 0.0156 | 6.00 | | 6.45 | 6.45 | 25.73 |
| 0.000435 | 0.0110 | 6.50 | | 9.67 | 9.67 | 35.40 |
| 0.000308 | 0.00781 | 7.00 | | 10.90 | 10.90 | 46.30 |
| 0.000197 | 0.00500 | 7.65 | | 14.30 | 14.30 | 60.60 |
| 0.000077 | 0.00195 | 9.00 | | 25.10 | 25.10 | 85.70 |
| 0.000038 | 0.000977 | 10.00 | | 10.40 | 10.40 | 96.10 |
| 0.000019 | 0.000488 | 11.00 | | 3.62 | 3.62 | 99.72 |
| 0.000015 | 0.000375 | 11.38 | | 0.28 | 0.28 | 100.00 |
| TOTALS | | | | 100.00 | 100.00 | 100.00 |

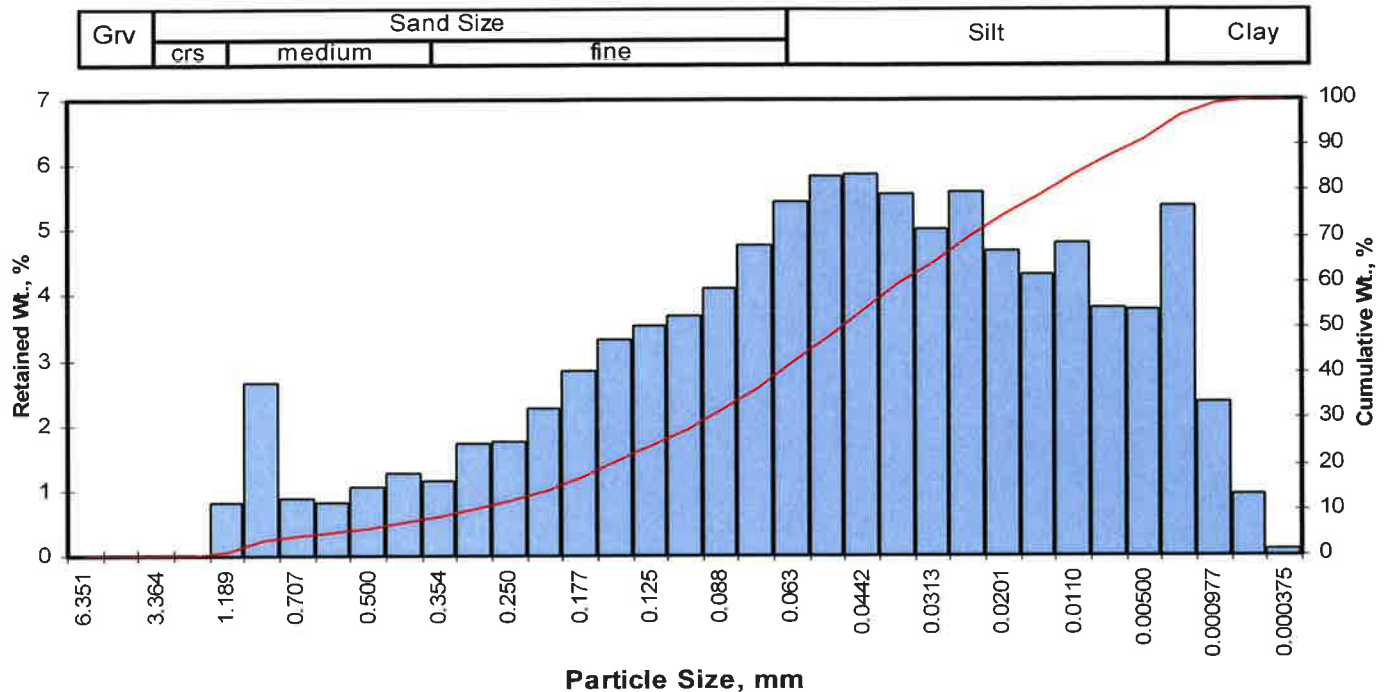
| Cumulative Weight Percent greater than | | | |
|--|-----------|---------------|-------------|
| Weight percent | Phi Value | Particle Size | |
| | | Inches | Millimeters |
| 5 | 4.63 | 0.0016 | 0.040 |
| 10 | 5.08 | 0.0012 | 0.030 |
| 16 | 5.45 | 0.0009 | 0.023 |
| 25 | 5.96 | 0.0006 | 0.016 |
| 40 | 6.71 | 0.0004 | 0.010 |
| 50 | 7.17 | 0.0003 | 0.007 |
| 60 | 7.62 | 0.0002 | 0.005 |
| 75 | 8.42 | 0.0001 | 0.003 |
| 84 | 8.91 | 0.0001 | 0.002 |
| 90 | 9.41 | 0.0001 | 0.001 |
| 95 | 9.89 | 0.0000 | 0.001 |

| Measure | Trask | Inman | Folk-Ward |
|-------------------------------|--------|----------------------------|-----------|
| Median, phi | 7.17 | 7.17 | 7.17 |
| Median, in. | 0.0003 | 0.0003 | 0.0003 |
| Median, mm | 0.007 | 0.007 | 0.007 |
| Mean, phi | 6.72 | 7.18 | 7.18 |
| Mean, in. | 0.0004 | 0.0003 | 0.0003 |
| Mean, mm | 0.009 | 0.007 | 0.007 |
| Sorting | 2.348 | 1.727 | 1.661 |
| Skewness | 0.984 | 0.008 | 0.022 |
| Kurtosis | 0.233 | 0.524 | 0.876 |
| Grain Size Description | | Silt | |
| (ASTM-USCS Scale) | | (based on Mean from Trask) | |

| Description | Retained on Sieve # | Weight Percent |
|--------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 0.00 |
| Fine Sand | 200 | 0.45 |
| Silt | >0.005 mm | 60.15 |
| Clay | <0.005 mm | 39.40 |
| Total | | 100 |

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1624c Run 1
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent |
|----------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|
| Inches | Millimeters | | | | | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 |
| 0.0468 | 1.189 | -0.25 | 16 | 0.81 | 0.81 | 0.81 |
| 0.0331 | 0.841 | 0.25 | 20 | 2.66 | 2.66 | 3.47 |
| 0.0278 | 0.707 | 0.50 | 25 | 0.89 | 0.89 | 4.36 |
| 0.0234 | 0.595 | 0.75 | 30 | 0.81 | 0.81 | 5.17 |
| 0.0197 | 0.500 | 1.00 | 35 | 1.05 | 1.05 | 6.22 |
| 0.0166 | 0.420 | 1.25 | 40 | 1.28 | 1.28 | 7.50 |
| 0.0139 | 0.354 | 1.50 | 45 | 1.16 | 1.16 | 8.66 |
| 0.0117 | 0.297 | 1.75 | 50 | 1.72 | 1.72 | 10.38 |
| 0.0098 | 0.250 | 2.00 | 60 | 1.76 | 1.76 | 12.14 |
| 0.0083 | 0.210 | 2.25 | 70 | 2.25 | 2.25 | 14.39 |
| 0.0070 | 0.177 | 2.50 | 80 | 2.84 | 2.84 | 17.23 |
| 0.0059 | 0.149 | 2.75 | 100 | 3.32 | 3.32 | 20.54 |
| 0.0049 | 0.125 | 3.00 | 120 | 3.52 | 3.52 | 24.06 |
| 0.0041 | 0.105 | 3.25 | 140 | 3.69 | 3.69 | 27.75 |
| 0.0035 | 0.088 | 3.50 | 170 | 4.10 | 4.10 | 31.85 |
| 0.0029 | 0.074 | 3.75 | 200 | 4.77 | 4.77 | 36.62 |
| 0.0025 | 0.063 | 4.00 | 230 | 5.44 | 5.44 | 42.06 |
| 0.0021 | 0.053 | 4.25 | 270 | 5.83 | 5.83 | 47.89 |
| 0.00174 | 0.0442 | 4.50 | 325 | 5.87 | 5.87 | 53.75 |
| 0.00146 | 0.0372 | 4.75 | 400 | 5.54 | 5.54 | 59.29 |
| 0.00123 | 0.0313 | 5.00 | 450 | 5.02 | 5.02 | 64.31 |
| 0.000986 | 0.0250 | 5.32 | 500 | 5.58 | 5.58 | 69.89 |
| 0.000790 | 0.0201 | 5.64 | 635 | 4.69 | 4.69 | 74.58 |
| 0.000615 | 0.0156 | 6.00 | | 4.33 | 4.33 | 78.91 |
| 0.000435 | 0.0110 | 6.50 | | 4.81 | 4.81 | 83.72 |
| 0.000308 | 0.00781 | 7.00 | | 3.79 | 3.79 | 87.50 |
| 0.000197 | 0.00500 | 7.65 | | 3.77 | 3.77 | 91.27 |
| 0.000077 | 0.00195 | 9.00 | | 5.38 | 5.38 | 96.65 |
| 0.000038 | 0.000977 | 10.00 | | 2.34 | 2.34 | 98.99 |
| 0.000019 | 0.000488 | 11.00 | | 0.93 | 0.93 | 99.92 |
| 0.000015 | 0.000375 | 11.38 | | 0.08 | 0.08 | 100.00 |
| TOTALS | | | | 100.00 | 100.00 | 100.00 |

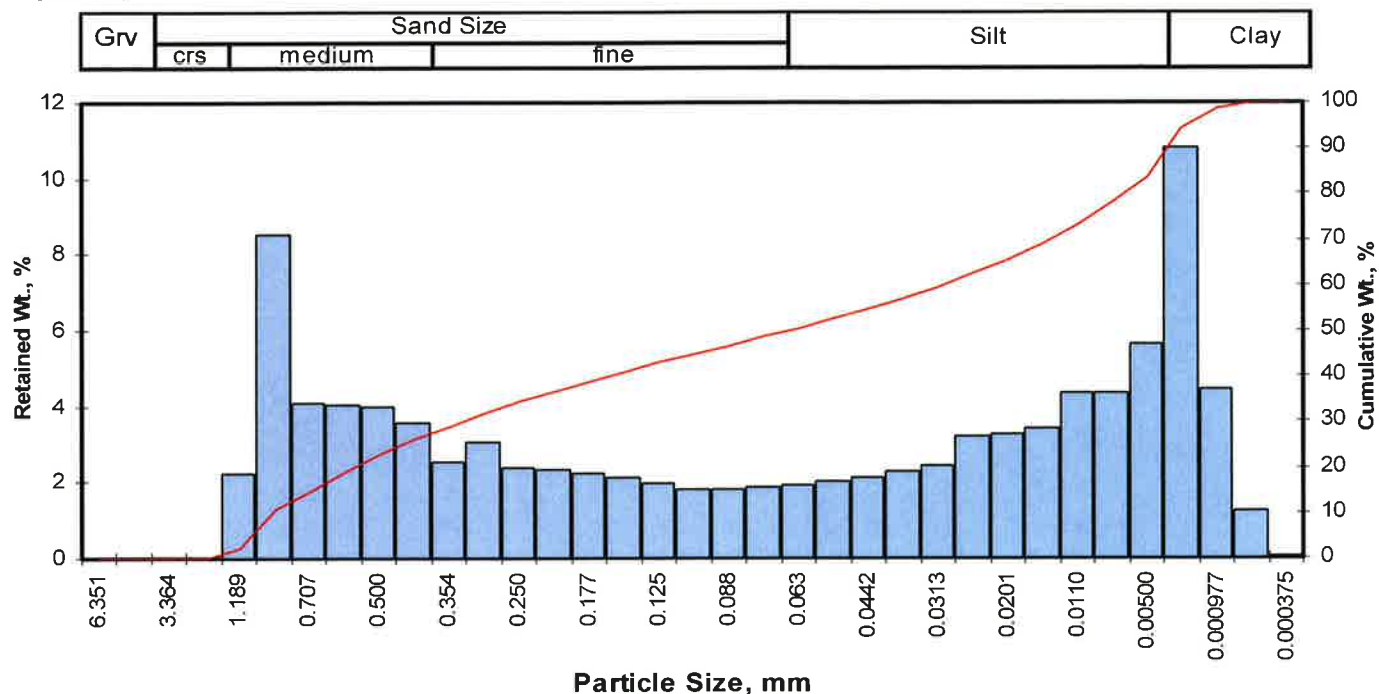
| Cumulative Weight Percent greater than | | | |
|--|-----------|---------------|-------------|
| Weight percent | Phi Value | Particle Size | |
| | | Inches | Millimeters |
| 5 | 0.70 | 0.0243 | 0.616 |
| 10 | 1.70 | 0.0122 | 0.309 |
| 16 | 2.39 | 0.0075 | 0.191 |
| 25 | 3.06 | 0.0047 | 0.120 |
| 40 | 3.91 | 0.0026 | 0.067 |
| 50 | 4.34 | 0.0019 | 0.049 |
| 60 | 4.79 | 0.0014 | 0.036 |
| 75 | 5.68 | 0.0008 | 0.020 |
| 84 | 6.54 | 0.0004 | 0.011 |
| 90 | 7.43 | 0.0002 | 0.006 |
| 95 | 8.58 | 0.0001 | 0.003 |

| Measure | Trask | Inman | Folk-Ward |
|------------------------|--------|----------------------------|-----------|
| Median, phi | 4.34 | 4.34 | 4.34 |
| Median, in. | 0.0019 | 0.0019 | 0.0019 |
| Median, mm | 0.049 | 0.049 | 0.049 |
| Mean, phi | 3.84 | 4.46 | 4.42 |
| Mean, in. | 0.0027 | 0.0018 | 0.0018 |
| Mean, mm | 0.070 | 0.045 | 0.047 |
| Sorting | 2.472 | 2.073 | 2.231 |
| Skewness | 0.980 | 0.060 | 0.068 |
| Kurtosis | 0.165 | 0.902 | 1.238 |
| Grain Size Description | | Silt | |
| (ASTM-USCS Scale) | | (based on Mean from Trask) | |

| Description | Retained on Sieve # | Weight Percent |
|-------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 7.50 |
| Fine Sand | 200 | 29.12 |
| Silt | >0.005 mm | 54.65 |
| Clay | <0.005 mm | 8.73 |
| Total | | 100 |

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1624c Run 2
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent | Cumulative Weight Percent greater than | | | |
|----------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|--|-----------|---------------|-------|
| Inches | Millimeters | | | | | | Weight percent | Phi Value | Particle Size | |
| | | | | | | | | Inches | Millimeters | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 | 5 | -0.09 | 0.0418 | 1.062 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 | 10 | 0.21 | 0.0341 | 0.867 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 | 16 | 0.57 | 0.0265 | 0.672 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 | 25 | 1.15 | 0.0177 | 0.450 |
| 0.0468 | 1.189 | -0.25 | 16 | 2.23 | 2.23 | 2.23 | 40 | 2.63 | 0.0064 | 0.162 |
| 0.0331 | 0.841 | 0.25 | 20 | 8.51 | 8.51 | 10.74 | 50 | 3.94 | 0.0026 | 0.065 |
| 0.0278 | 0.707 | 0.50 | 25 | 4.07 | 4.07 | 14.81 | 60 | 5.07 | 0.0012 | 0.030 |
| 0.0234 | 0.595 | 0.75 | 30 | 4.04 | 4.04 | 18.85 | 75 | 6.67 | 0.0004 | 0.010 |
| 0.0197 | 0.500 | 1.00 | 35 | 3.97 | 3.97 | 22.82 | 84 | 7.71 | 0.0002 | 0.005 |
| 0.0166 | 0.420 | 1.25 | 40 | 3.55 | 3.55 | 26.37 | 90 | 8.47 | 0.0001 | 0.003 |
| 0.0139 | 0.354 | 1.50 | 45 | 2.54 | 2.54 | 28.91 | 95 | 9.17 | 0.0001 | 0.002 |
| 0.0117 | 0.297 | 1.75 | 50 | 3.04 | 3.04 | 31.95 | | | | |
| 0.0098 | 0.250 | 2.00 | 60 | 2.40 | 2.40 | 34.35 | | | | |
| 0.0083 | 0.210 | 2.25 | 70 | 2.31 | 2.31 | 36.66 | | | | |
| 0.0070 | 0.177 | 2.50 | 80 | 2.24 | 2.24 | 38.91 | | | | |
| 0.0059 | 0.149 | 2.75 | 100 | 2.14 | 2.14 | 41.05 | | | | |
| 0.0049 | 0.125 | 3.00 | 120 | 1.98 | 1.98 | 43.03 | | | | |
| 0.0041 | 0.105 | 3.25 | 140 | 1.83 | 1.83 | 44.86 | | | | |
| 0.0035 | 0.088 | 3.50 | 170 | 1.79 | 1.79 | 46.65 | | | | |
| 0.0029 | 0.074 | 3.75 | 200 | 1.85 | 1.85 | 48.50 | | | | |
| 0.0025 | 0.063 | 4.00 | 230 | 1.93 | 1.93 | 50.43 | | | | |
| 0.0021 | 0.053 | 4.25 | 270 | 2.00 | 2.00 | 52.43 | | | | |
| 0.00174 | 0.0442 | 4.50 | 325 | 2.13 | 2.13 | 54.56 | | | | |
| 0.00146 | 0.0372 | 4.75 | 400 | 2.28 | 2.28 | 56.84 | | | | |
| 0.00123 | 0.0313 | 5.00 | 450 | 2.43 | 2.43 | 59.27 | | | | |
| 0.000986 | 0.0250 | 5.32 | 500 | 3.22 | 3.22 | 62.49 | | | | |
| 0.000790 | 0.0201 | 5.64 | 635 | 3.24 | 3.24 | 65.73 | | | | |
| 0.000615 | 0.0156 | 6.00 | | 3.39 | 3.39 | 69.12 | | | | |
| 0.000435 | 0.0110 | 6.50 | | 4.36 | 4.36 | 73.48 | | | | |
| 0.000308 | 0.00781 | 7.00 | | 4.35 | 4.35 | 77.83 | | | | |
| 0.000197 | 0.00500 | 7.65 | | 5.63 | 5.63 | 83.46 | | | | |
| 0.000077 | 0.00195 | 9.00 | | 10.80 | 10.80 | 94.26 | | | | |
| 0.000038 | 0.000977 | 10.00 | | 4.44 | 4.44 | 98.70 | | | | |
| 0.000019 | 0.000488 | 11.00 | | 1.22 | 1.22 | 99.92 | | | | |
| 0.000015 | 0.000375 | 11.38 | | 0.08 | 0.08 | 100.00 | | | | |
| TOTALS | | | | 100.00 | 100.00 | 100.00 | | | | |

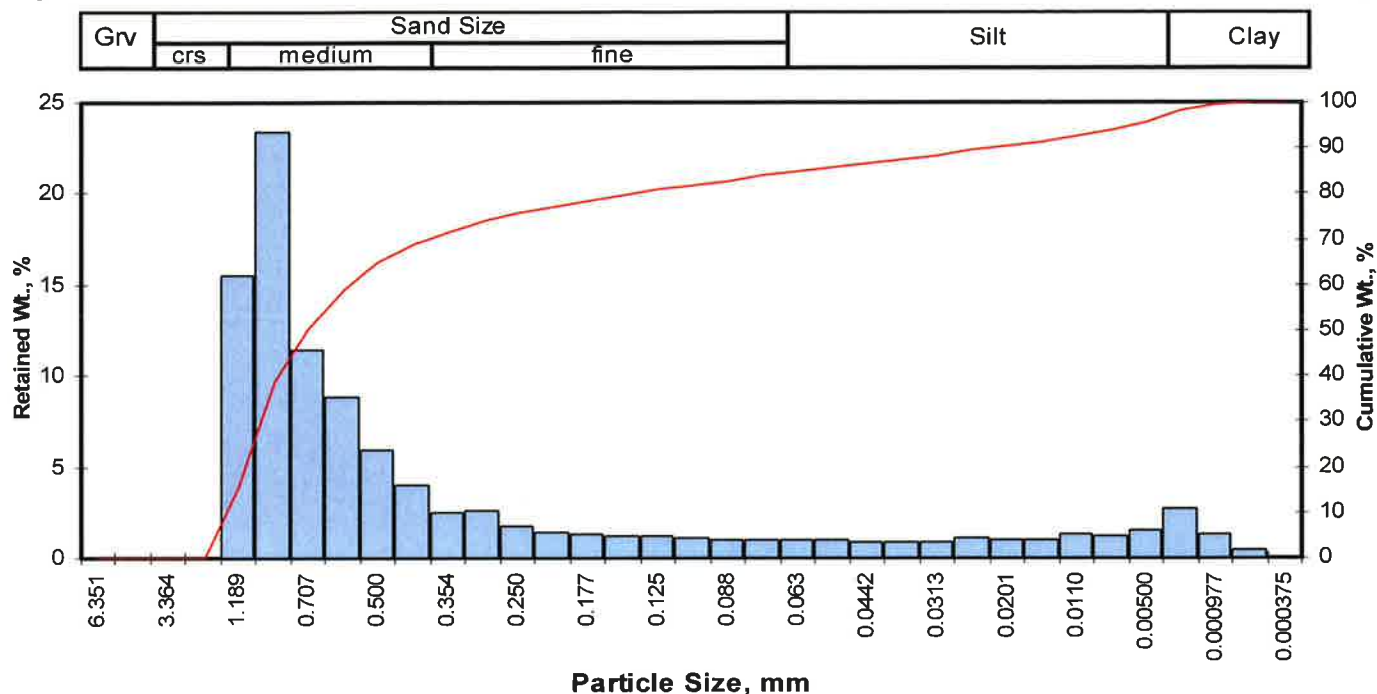
| Measure | Trask | Inman | Folk-Ward |
|-------------|--------|--------|-----------|
| Median, phi | 3.94 | 3.94 | 3.94 |
| Median, in. | 0.0026 | 0.0026 | 0.0026 |
| Median, mm | 0.065 | 0.065 | 0.065 |
| Mean, phi | 2.12 | 4.14 | 4.08 |
| Mean, in. | 0.0090 | 0.0022 | 0.0023 |
| Mean, mm | 0.230 | 0.057 | 0.059 |
| Sorting | 6.777 | 3.570 | 3.187 |
| Skewness | 1.022 | 0.056 | 0.092 |
| Kurtosis | 0.255 | 0.296 | 0.687 |

| Grain Size Description | | Fine sand | |
|------------------------|--|----------------------------|--|
| (ASTM-USCS Scale) | | (based on Mean from Trask) | |
| | | | |

| Description | Retained on Sieve # | Weight Percent |
|-------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 26.37 |
| Fine Sand | 200 | 22.12 |
| Silt | >0.005 mm | 34.96 |
| Clay | <0.005 mm | 16.54 |
| Total | | 100 |

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1624c Run 4
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent |
|----------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|
| Inches | Millimeters | | | | | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 |
| 0.0468 | 1.189 | -0.25 | 16 | 15.50 | 15.51 | 15.51 |
| 0.0331 | 0.841 | 0.25 | 20 | 23.40 | 23.41 | 38.92 |
| 0.0278 | 0.707 | 0.50 | 25 | 11.40 | 11.41 | 50.33 |
| 0.0234 | 0.595 | 0.75 | 30 | 8.81 | 8.82 | 59.14 |
| 0.0197 | 0.500 | 1.00 | 35 | 5.92 | 5.92 | 65.07 |
| 0.0166 | 0.420 | 1.25 | 40 | 3.98 | 3.98 | 69.05 |
| 0.0139 | 0.354 | 1.50 | 45 | 2.47 | 2.47 | 71.52 |
| 0.0117 | 0.297 | 1.75 | 50 | 2.62 | 2.62 | 74.14 |
| 0.0098 | 0.250 | 2.00 | 60 | 1.71 | 1.71 | 75.85 |
| 0.0083 | 0.210 | 2.25 | 70 | 1.39 | 1.39 | 77.24 |
| 0.0070 | 0.177 | 2.50 | 80 | 1.26 | 1.26 | 78.51 |
| 0.0059 | 0.149 | 2.75 | 100 | 1.22 | 1.22 | 79.73 |
| 0.0049 | 0.125 | 3.00 | 120 | 1.14 | 1.14 | 80.87 |
| 0.0041 | 0.105 | 3.25 | 140 | 1.05 | 1.05 | 81.92 |
| 0.0035 | 0.088 | 3.50 | 170 | 1.01 | 1.01 | 82.93 |
| 0.0029 | 0.074 | 3.75 | 200 | 1.01 | 1.01 | 83.94 |
| 0.0025 | 0.063 | 4.00 | 230 | 0.99 | 0.99 | 84.93 |
| 0.0021 | 0.053 | 4.25 | 270 | 0.95 | 0.95 | 85.88 |
| 0.00174 | 0.0442 | 4.50 | 325 | 0.91 | 0.91 | 86.79 |
| 0.00146 | 0.0372 | 4.75 | 400 | 0.88 | 0.88 | 87.67 |
| 0.00123 | 0.0313 | 5.00 | 450 | 0.85 | 0.85 | 88.52 |
| 0.000986 | 0.0250 | 5.32 | 500 | 1.03 | 1.03 | 89.55 |
| 0.000790 | 0.0201 | 5.64 | 635 | 0.99 | 0.99 | 90.54 |
| 0.000615 | 0.0156 | 6.00 | | 1.01 | 1.01 | 91.55 |
| 0.000435 | 0.0110 | 6.50 | | 1.25 | 1.25 | 92.80 |
| 0.000308 | 0.00781 | 7.00 | | 1.21 | 1.21 | 94.01 |
| 0.000197 | 0.00500 | 7.65 | | 1.48 | 1.48 | 95.50 |
| 0.000077 | 0.00195 | 9.00 | | 2.68 | 2.68 | 98.18 |
| 0.000038 | 0.000977 | 10.00 | | 1.33 | 1.33 | 99.51 |
| 0.000019 | 0.000488 | 11.00 | | 0.46 | 0.46 | 99.97 |
| 0.000015 | 0.000375 | 11.38 | | 0.03 | 0.03 | 100.00 |
| TOTALS | | | | 99.90 | 100.00 | 100.00 |

| Cumulative Weight Percent greater than | | | |
|--|-----------|---------------|-------------|
| Weight percent | Phi Value | Particle Size | |
| | | Inches | Millimeters |
| 5 | -0.76 | 0.0666 | 1.691 |
| 10 | -0.52 | 0.0563 | 1.430 |
| 16 | -0.24 | 0.0465 | 1.181 |
| 25 | -0.05 | 0.0407 | 1.033 |
| 40 | 0.27 | 0.0326 | 0.827 |
| 50 | 0.49 | 0.0280 | 0.711 |
| 60 | 0.79 | 0.0228 | 0.580 |
| 75 | 1.88 | 0.0107 | 0.273 |
| 84 | 3.77 | 0.0029 | 0.074 |
| 90 | 5.46 | 0.0009 | 0.023 |
| 95 | 7.43 | 0.0002 | 0.006 |

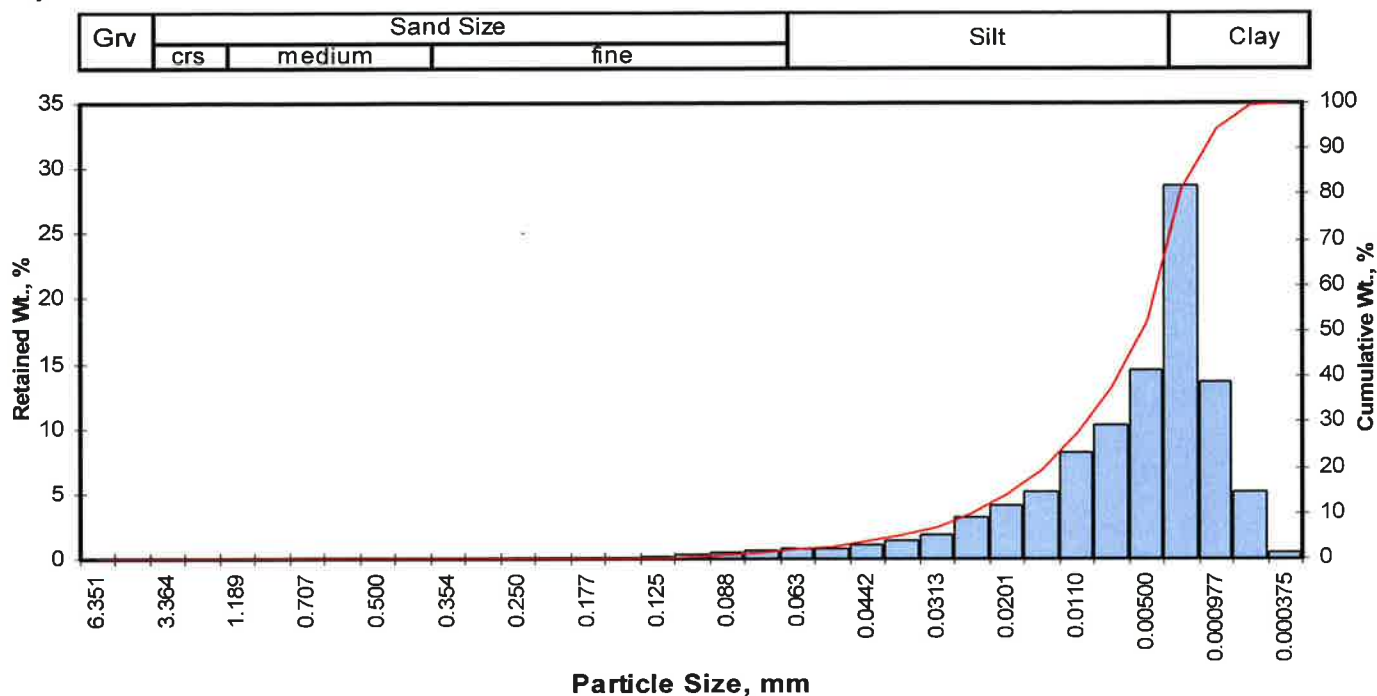
| Measure | Trask | Inman | Folk-Ward |
|-------------|--------|--------|-----------|
| Median, phi | 0.49 | 0.49 | 0.49 |
| Median, in. | 0.0280 | 0.0280 | 0.0280 |
| Median, mm | 0.711 | 0.711 | 0.711 |
| Mean, phi | 0.61 | 1.76 | 1.34 |
| Mean, in. | 0.0257 | 0.0116 | 0.0156 |
| Mean, mm | 0.653 | 0.295 | 0.395 |
| Sorting | 1.947 | 2.002 | 2.242 |
| Skewness | 0.747 | 0.634 | 0.664 |
| Kurtosis | 0.270 | 1.044 | 1.745 |

| Grain Size Description | Medium sand |
|------------------------|----------------------------|
| (ASTM-USCS Scale) | (based on Mean from Trask) |

| Description | Retained on Sieve # | Weight Percent |
|-------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 69.05 |
| Fine Sand | 200 | 14.89 |
| Silt | >0.005 mm | 11.56 |
| Clay | <0.005 mm | 4.50 |
| Total | | 100 |

Client: Crow Butte Resources, Inc.
Project: Marsland Core
Project No: N/A

PTS File No: 41269
Sample ID: M-1624c Run 5
Depth, ft: N/A



| Opening | | Phi of Screen | U.S. No. | Sample Weight, grams | Increment Weight, percent | Cumulative Weight, percent |
|----------|-------------|---------------|----------|----------------------|---------------------------|----------------------------|
| Inches | Millimeters | | | | | |
| 0.2500 | 6.351 | -2.67 | 1/4 | 0.00 | 0.00 | 0.00 |
| 0.1873 | 4.757 | -2.25 | 4 | 0.00 | 0.00 | 0.00 |
| 0.1324 | 3.364 | -1.75 | 6 | 0.00 | 0.00 | 0.00 |
| 0.0787 | 2.000 | -1.00 | 10 | 0.00 | 0.00 | 0.00 |
| 0.0468 | 1.189 | -0.25 | 16 | 0.00 | 0.00 | 0.00 |
| 0.0331 | 0.841 | 0.25 | 20 | 0.00 | 0.00 | 0.00 |
| 0.0278 | 0.707 | 0.50 | 25 | 0.00 | 0.00 | 0.00 |
| 0.0234 | 0.595 | 0.75 | 30 | 0.00 | 0.00 | 0.00 |
| 0.0197 | 0.500 | 1.00 | 35 | 0.00 | 0.00 | 0.00 |
| 0.0166 | 0.420 | 1.25 | 40 | 0.00 | 0.00 | 0.00 |
| 0.0139 | 0.354 | 1.50 | 45 | 0.00 | 0.00 | 0.00 |
| 0.0117 | 0.297 | 1.75 | 50 | 0.00 | 0.00 | 0.00 |
| 0.0098 | 0.250 | 2.00 | 60 | 0.00 | 0.00 | 0.00 |
| 0.0083 | 0.210 | 2.25 | 70 | 0.00 | 0.00 | 0.00 |
| 0.0070 | 0.177 | 2.50 | 80 | 0.00 | 0.00 | 0.00 |
| 0.0059 | 0.149 | 2.75 | 100 | 0.01 | 0.01 | 0.01 |
| 0.0049 | 0.125 | 3.00 | 120 | 0.08 | 0.08 | 0.09 |
| 0.0041 | 0.105 | 3.25 | 140 | 0.24 | 0.24 | 0.33 |
| 0.0035 | 0.088 | 3.50 | 170 | 0.39 | 0.39 | 0.72 |
| 0.0029 | 0.074 | 3.75 | 200 | 0.56 | 0.56 | 1.28 |
| 0.0025 | 0.063 | 4.00 | 230 | 0.70 | 0.70 | 1.98 |
| 0.0021 | 0.053 | 4.25 | 270 | 0.81 | 0.81 | 2.79 |
| 0.00174 | 0.0442 | 4.50 | 325 | 0.99 | 0.99 | 3.78 |
| 0.00146 | 0.0372 | 4.75 | 400 | 1.31 | 1.31 | 5.09 |
| 0.00123 | 0.0313 | 5.00 | 450 | 1.80 | 1.80 | 6.89 |
| 0.000986 | 0.0250 | 5.32 | 500 | 3.15 | 3.15 | 10.03 |
| 0.000790 | 0.0201 | 5.64 | 635 | 4.11 | 4.11 | 14.14 |
| 0.000615 | 0.0156 | 6.00 | | 5.11 | 5.11 | 19.25 |
| 0.000435 | 0.0110 | 6.50 | | 8.22 | 8.22 | 27.47 |
| 0.000308 | 0.00781 | 7.00 | | 10.20 | 10.20 | 37.66 |
| 0.000197 | 0.00500 | 7.65 | | 14.50 | 14.49 | 52.15 |
| 0.000077 | 0.00195 | 9.00 | | 28.70 | 28.69 | 80.84 |
| 0.000038 | 0.000977 | 10.00 | | 13.60 | 13.59 | 94.43 |
| 0.000019 | 0.000488 | 11.00 | | 5.15 | 5.15 | 99.58 |
| 0.000015 | 0.000375 | 11.38 | | 0.42 | 0.42 | 100.00 |
| TOTALS | | | | 100.00 | 100.00 | 100.00 |

| Cumulative Weight Percent greater than | | | |
|--|-----------|---------------|-------------|
| Weight percent | Phi Value | Particle Size | |
| | | Inches | Millimeters |
| 5 | 4.73 | 0.0015 | 0.038 |
| 10 | 5.32 | 0.0010 | 0.025 |
| 16 | 5.77 | 0.0007 | 0.018 |
| 25 | 6.35 | 0.0005 | 0.012 |
| 40 | 7.10 | 0.0003 | 0.007 |
| 50 | 7.55 | 0.0002 | 0.005 |
| 60 | 8.02 | 0.0002 | 0.004 |
| 75 | 8.72 | 0.0001 | 0.002 |
| 84 | 9.23 | 0.0001 | 0.002 |
| 90 | 9.67 | 0.0000 | 0.001 |
| 95 | 10.11 | 0.0000 | 0.001 |

| Measure | Trask | Inman | Folk-Ward |
|-------------|--------|--------|-----------|
| Median, phi | 7.55 | 7.55 | 7.55 |
| Median, in. | 0.0002 | 0.0002 | 0.0002 |
| Median, mm | 0.005 | 0.005 | 0.005 |
| Mean, phi | 7.10 | 7.50 | 7.52 |
| Mean, in. | 0.0003 | 0.0002 | 0.0002 |
| Mean, mm | 0.007 | 0.006 | 0.005 |
| Sorting | 2.277 | 1.731 | 1.680 |
| Skewness | 1.008 | -0.027 | -0.037 |
| Kurtosis | 0.207 | 0.553 | 0.928 |

| Grain Size Description | Silt |
|------------------------|----------------------------|
| (ASTM-USCS Scale) | (based on Mean from Trask) |

| Description | Retained on Sieve # | Weight Percent |
|-------------|---------------------|----------------|
| Gravel | 4 | 0.00 |
| Coarse Sand | 10 | 0.00 |
| Medium Sand | 40 | 0.00 |
| Fine Sand | 200 | 1.28 |
| Silt | >0.005 mm | 50.88 |
| Clay | <0.005 mm | 47.85 |
| Total | | 100 |

[illegible]



ANALYTICAL SUMMARY REPORT

June 10, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040735
Project Name: Not Indicated

Energy Laboratories, Inc. Casper WY received the following 14 samples for Crow Butte Resources on 4/22/2011 for analysis.


| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|----------------------|---------------|--------------|--------|---|
| C11040735-001 | M1454c-Run3-Sample 1 | 03/22/11 0:00 | 04/22/11 | Core | Metals by ICP/ICPMS, Total Digestion, Total Metals for Core Samples Gamma Sample Preparation Uranium by Gamma |
| C11040735-002 | M1454c-Run3-Sample 2 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-003 | M1454c-Run3-Sample 3 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-004 | M1454c-Run3-Sample 4 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-005 | M1454c-Run3-Sample 5 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-006 | M1624c-Run3-Sample 1 | 03/25/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-007 | M1624c-Run3-Sample 2 | 03/25/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-008 | M1624c-Run3-Sample 3 | 03/25/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-009 | M1624c-Run3-Sample 4 | 03/25/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-010 | M1624c-Run4-Sample 1 | 03/25/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-011 | M1624c-Run4-Sample 2 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-012 | M1624c-Run4-Sample 3 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-013 | M1624c-Run4-Sample 4 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |
| C11040735-014 | M1624c-Run4-Sample 5 | 03/22/11 0:00 | 04/22/11 | Core | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:


Stephanie D. Waldrop
Reporting Supervisor



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CLIENT: Crow Butte Resources
Project: Not Indicated
Sample Delivery Group: C11040735

Report Date: 06/10/11

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Report Date: 06/10/11
Date Received: 04/22/11

Client: Crow Butte Resources
Project: Not Indicated
Workorder: C11040735

| Analysis | | U | | U3O8 | | U | | U3O8 | |
|---------------|----------------------|----------|---------|----------|---------|---------|---------|---------|---------|
| | | Chemical | | Chemical | | Gamma | | Gamma | |
| Units | | % | | % | | % | | % | |
| Sample ID | Client Sample ID | Results | Results | Results | Results | Results | Results | Results | Results |
| C11040735-001 | M1454c-Run3-Sample 1 | < 0.005 | < 0.006 | 0.038 | 0.045 | | | | |
| C11040735-002 | M1454c-Run3-Sample 2 | 0.013 | 0.015 | 0.109 | 0.129 | | | | |
| C11040735-003 | M1454c-Run3-Sample 3 | 0.259 | 0.305 | 0.370 | 0.436 | | | | |
| C11040735-004 | M1454c-Run3-Sample 4 | 1.51 | 1.74 | 1.04 | 1.22 | | | | |
| C11040735-005 | M1454c-Run3-Sample 5 | 1.12 | 1.24 | 0.715 | 0.842 | | | | |
| C11040735-006 | M1624c-Run3-Sample 1 | 0.009 | 0.010 | 0.003 | 0.004 | | | | |
| C11040735-007 | M1624c-Run3-Sample 2 | < 0.005 | < 0.006 | 0.004 | 0.004 | | | | |
| C11040735-008 | M1624c-Run3-Sample 3 | < 0.005 | < 0.006 | 0.003 | 0.004 | | | | |
| C11040735-009 | M1624c-Run3-Sample 4 | < 0.005 | < 0.006 | 0.003 | 0.004 | | | | |
| C11040735-010 | M1624c-Run4-Sample 1 | < 0.005 | < 0.006 | 0.004 | 0.005 | | | | |
| C11040735-011 | M1624c-Run4-Sample 2 | < 0.005 | < 0.006 | 0.002 | 0.003 | | | | |
| C11040735-012 | M1624c-Run4-Sample 3 | 0.024 | 0.028 | 0.022 | 0.026 | | | | |
| C11040735-013 | M1624c-Run4-Sample 4 | < 0.005 | < 0.006 | 0.016 | 0.019 | | | | |
| C11040735-014 | M1624c-Run4-Sample 5 | 0.032 | 0.037 | 0.028 | 0.033 | | | | |



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Not Indicated

Work Order: C11040735

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---------------------------|-----------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: E901.1 | | | | | | | | | | Batch: R146661 |
| Sample ID: LCS-R146661 | | Laboratory Control Sample | | | | | Run: GAM-NAI_110606A | | | 06/06/11 12:16 |
| Radium 226 | | 8.00 | pCi/g-dry | 2.0 | 92 | 80 | 120 | | | |
| Sample ID: MB-R146661 | 2 | Method Blank | | | | | Run: GAM-NAI_110606A | | | 06/06/11 12:16 |
| Uranium by Gamma | | ND | mg/kg-dry | | | | | | | U |
| U3O8 by Gamma | | ND | mg/kg-dry | | | | | | | U |
| Sample ID: C11040735-010ADUP | 2 | Sample Duplicate | | | | | Run: GAM-NAI_110606A | | | 06/06/11 12:16 |
| Uranium by Gamma | | 43.3 | mg/kg-dry | 6.0 | | | | 3.6 | 20 | |
| U3O8 by Gamma | | 51.1 | mg/kg-dry | 7.1 | | | | 3.6 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Not Indicated

Report Date: 06/10/11

Work Order: C11040735

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|-----------|-------|-------|------|-----------|-----------------------|-----|----------|----------------|
| Method: SW6020 | | | | | | | | | | Batch: 29668 |
| Sample ID: MB-29668 | Method Blank | | | | | | Run: ICPMS2-C_110429A | | | 04/30/11 08:13 |
| Uranium | 0.02 | mg/kg-dry | | 0.002 | | | | | | |
| Sample ID: LCS3-29668 | Laboratory Control Sample | | | | | | Run: ICPMS2-C_110429A | | | 04/30/11 08:34 |
| Uranium | 106 | mg/kg-dry | | 0.50 | 106 | 54.2 | 183 | | | |
| Sample ID: C11040735-014AMS3 | Sample Matrix Spike | | | | | | Run: ICPMS2-C_110429A | | | 04/30/11 10:26 |
| Uranium | 404 | mg/kg-dry | | 0.50 | | 75 | 125 | | | A |
| Sample ID: C11040735-014AMSD | Sample Matrix Spike Duplicate | | | | | | Run: ICPMS2-C_110429A | | | 04/30/11 10:30 |
| Uranium | 411 | mg/kg-dry | | 0.50 | | 75 | 125 | 1.8 | 20 | A |
| Method: SW6020 | | | | | | | | | | Batch: 29668 |
| Sample ID: MB-29668 | Method Blank | | | | | | Run: ICPMS2-C_110502A | | | 05/03/11 00:52 |
| Uranium | 0.2 | mg/kg-dry | | 0.002 | | | | | | |
| Sample ID: LCS3-29668 | Laboratory Control Sample | | | | | | Run: ICPMS2-C_110502A | | | 05/03/11 01:18 |
| Uranium | 126 | mg/kg-dry | | 0.50 | 126 | 54.2 | 183 | | | |
| Sample ID: C11040735-014AMS3 | Sample Matrix Spike | | | | | | Run: ICPMS2-C_110502A | | | 05/03/11 01:50 |
| Uranium | 431 | mg/kg-dry | | 0.50 | | 75 | 125 | | | A |
| Sample ID: C11040735-014AMSD | Sample Matrix Spike Duplicate | | | | | | Run: ICPMS2-C_110502A | | | 05/03/11 01:55 |
| Uranium | 443 | mg/kg-dry | | 0.50 | | 75 | 125 | 2.7 | 20 | A |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



Energy Laboratories Inc

Workorder Receipt Checklist



C11040735

Crow Butte Resources

Login completed by: Corinne Wagner

Date Received: 4/22/2011

Reviewed by: BL2000\emcpike

Received by: ckw

Reviewed Date: 4/25/2011

Carrier Ground name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals Intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | N/A°C | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Contact and Corrective Action Comments:

None



PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | |
|---|--|---|--|------------------------------------|--|---|--|---------------------------------------|--|
| Company Name: Crow Butte Resources, Inc | | Project Name, PWS, Permit, Etc. | | Sample Origin State: Nebraska | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | |
| Report Mail Address: PO Box 169 | | Contact Name: Wade Beins | | Phone/Fax: 308 665 2215 ext 113 | | Email: Wade_Beins@cameco.com | | Sampler: (Please Print) Wade Beins | |
| Invoice Address: PO Box 169 | | Invoice Contact & Phone: Terri Anderson 308 665 2215 ext 110 | | Purchase Order: 5450 | | Quote/Bottle Order: | | | |
| <p>Special Report/Formats – ELI must be notified prior to sample submittal for the following:</p> <div><input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: <input type="checkbox"/> State: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: <input type="checkbox"/> NELAC</div> | | Number of Containers Sample Type: A W S V B O Vegetation Bioassay Other | | ANALYSIS REQUESTED | | SEE ATTACHED | | Normal Turnaround (TAT) | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | Collection Date | | Collection Time | | MATRIX | | | |
| 1 M1454c-Run3-Sample 1 | | 3/22/11 | | NA | | S | | | |
| 2 M1454c-Run3-Sample 2 | | 3/22/11 | | NA | | S | | | |
| 3 M1454c-Run3-Sample 3 | | 3/22/11 | | NA | | S | | | |
| 4 M1454c-Run3-Sample 4 | | 3/22/11 | | NA | | S | | | |
| 5 M1454c-Run3-Sample 5 | | 3/22/11 | | NA | | S | | | |
| 6 M1624c-Run3-Sample 1 | | 3/25/11 | | NA | | S | | | |
| 7 M1624c-Run3-Sample 2 | | 3/25/11 | | NA | | S | | | |
| 8 M1624c-Run3-Sample 3 | | 3/25/11 | | NA | | S | | | |
| 9 M1624c-Run3-Sample 4 | | 3/25/11 | | NA | | S | | | |
| 10 M1624c-Run4-Sample 1 | | 3/25/11 | | NA | | S | | | |
| Relinquished by (print): Wade Beins | | Date/Time: 4/20/11 | | Signature: Wade Beins | | Received by (print): | | Date/Time: | |
| Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | |
| Custody Record MUST be Signed | | Return to Client: Yes | | Sample Disposal: | | Lab Disposal: | | Signature: | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | |
|--|--|---|--|------------------------------------|--|--|--|
| Company Name: Crow Butte Resources, Inc | | Project Name, PWS, Permit, Etc. | | Sample Origin State: Nebraska | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | |
| Report Mail Address: PO Box 169 | | Contact Name: Wade Beins | | Phone/Fax: 308 665 2215 ext 113 | | Sampler: (Please Print) Wade Beins | |
| Invoice Address: PO Box 169 | | Invoice Contact & Phone: Terri Anderson 308 665 2215 ext 110 | | Purchase Order: 5450 | | Quote/Bottle Order: | |
| <p>Special Report/Formats - ELI must be notified prior to sample submittal for the following:</p> <div><input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC <input type="checkbox"/> Other: _____</div> | | Number of Containers Sample Type: A W S V B O Vegetation Bioassay Other | | ANALYSIS REQUESTED | | Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page | |
| MATRIX | | Chemical Uranium | | Closed Can Uranium | | SEE ATTACHED | |
| Normal Turnaround (TAT) | | R | | U | | S | |
| H | | Comments: | | Receipt Temp 11.14 °C | | On Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Custody Seal Intact Y N | | Signature Match Y N | | Shipped by: UPS-G | | Cooler ID(s): Box | |
| 1 M1624c-Run4-Sample 2 | | 3/22/11 | | NA | | 1 | |
| 2 M1624c-Run4-Sample 3 | | 3/22/11 | | NA | | 2 | |
| 3 M1624c-Run4-Sample 4 | | 3/22/11 | | NA | | 3 | |
| 4 M1624c-Run4-Sample 5 | | 3/22/11 | | NA | | 4 | |
| 5 | | | | | | 5 | |
| 6 | | | | | | 6 | |
| 7 | | | | | | 7 | |
| 8 | | | | | | 8 | |
| 9 | | | | | | 9 | |
| 10 | | | | | | 10 | |
| Custody Record MUST be Signed | | Reinquisitioned by (print): Wade Beins | | Date/Time: 4/20/11 | | Signature: Wade Beins | |
| Sample Disposal: Return to Client: Yes | | Reinquisitioned by (print): | | Date/Time: | | Signature: | |
| Lab Disposal: | | Received by Laboratory: C. Anderson | | Date/Time: 4/22/11 9:30 | | Signature: | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly dated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.