MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
Telephone: (907) 696-0079 Fax: (907) 696-0078

PO BOX 772805
EAGLE RIVER AK 99577
Email: john.reeder@alaska.gov

TO: Robert Swenson
State Geologist and Acting Director

DATE: 1 February 2009

FILE NO:

FROM: John W. Reeder
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – January

1. The Alaska GMC received from industry the following processed oil and gas well materials:

   Husky NPRA Operations (U. S. Geological Survey) Seabee Test Well No. 1 – 8 palynology glass slides from core (12,014.5'-14,603').

2. The GMC received **2 pallets** of pulp from core of the **Calista Corporation NYAC** (a name derived from New York Alaska Company) gold property of **Tuluksak River** in Southwestern Alaska. Eleven pallets of rock reject and pulp from core of the **Calista Corporation NYAC** were received earlier in July.

3. The GMC had **54** telephone or written contacts during the reporting period. There have been **23** visitations to the GMC since 31 December 2008, including representation from:

   Aeon Biostratigraphic Services (Anchorage)
   Alaska Oil and Gas Conservation Commission (Anchorage)
   IRF Group, Inc. (Anchorage)
   Schlumberger (Anchorage, Alaska)

Contacts for Geologic Materials Center — total 77

Public:	12	Industry:	52	Univ.:	8	Fed. Govt:	1	State:	4	Other Govt:	0

FY2009 (7/1/08 – present) cumulative contacts for Geologic Materials Center – total 1,666

Public:	186	Industry:	1,030	Univ.:	172	Fed. Govt:	130	State:	148	Other Govt:	0

cc: Rodney A. Combellick, Deputy Director of DGGS,
GMC Mailing List

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PO BOX 772805
EAGLE RIVER AK 99577
Email: john.reeder@alaska.gov

TO: Robert Swenson
State Geologist and Acting Director

DATE: 1 March 2009

FILE NO:

FROM: John W. Reeder
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – February

1. The Alaska GMC received from industry the following processed oil and gas well materials:

   Shell Oil Company OCS Y-0195-1 (Tern Island No. 1) – 199 palynology glass slides from cuttings (150'-7,200').

2. The Alaska GMC received the following Data Report:

   No. 358: Original geologic core logs, sample records and corresponding assay logs for the Arctic Prospect of northern Alaska; holes no. DH-1, DH-2, DH-3, DH-4, DH-5, DH-7 and DH-8.

3. The GMC had **112** telephone or written contacts during the reporting period. There have been **28** visitations to the GMC since 31 January 2009, including representation from:

   Aeon Biostratigraphic Services (Anchorage)
   Chevron North American Exploration & Production (Anchorage)
   ConocoPhillips Alaska Inc. (Anchorage)
   IRF Group, Inc. (Anchorage)

Contacts for Geologic Materials Center — total 140
Public: 16 Industry: 100 Univ.: 11 Fed. Govt: 8 State: 5 Other Govt: 0

FY2009 (7/1/08 – present) cumulative contacts for Geologic Materials Center – total 1,786
Public: 202 Industry: 1,130 Univ.: 183 Fed. Govt: 138 State: 153 Other Govt: 0

cc: Rodney A. Combellick, Deputy Director of DGGS,
GMC Mailing List

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PO BOX 772805
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Email: john.reeder@alaska.gov

TO: Robert Swenson
State Geologist and Acting Director

DATE: 1 April 2009

FILE NO:

FROM: John W. Reeder
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – March

1. The Alaska GMC received from the **Alaska Oil and Gas Conservation Commission** the following oil/gas well materials:

   Marathon Oil Company Ninilchik State No. 2 washed cuttings (1,620'-11,500').

2. The GMC received as a donation the following processed materials from **MicroPaleo Consultants Inc**.:

   Amerada Hess Corporation Northstar No. 3 – 300 palynology glass slides from cuttings (100'-10,000'), 32 palynology glass slides from sidewall core (9,642'-9,863'), and 34 palynology glass slides from core (9,451'-9,610.65'),

   Amoco Production Company OCS Y-0917-1 (Belcher No. 1) – 99 palynology glass slides from cuttings (8,600'-13,150') and 68 palynology glass slides from sidewall core (8,925.9'-13,112.2'),

   ARCO Alaska Inc. Jones Island No. 1 – 334 palynology glass slides from cuttings (120'-15,153'),

   ARCO Alaska Inc. OCS Y-0537-1 (Rat No. 1) – 9 palynology glass slides from sidewall core (1,530'-3,796') and 2 siliceous microfossil glass slides from sidewall core (2,420'),

   ARCO Alaska Inc. OCS Y-0747-1 (Cabot No. 1) – 268 palynology glass slides from cuttings (330'-12,230'),

   ARCO Alaska Inc. Tulaga No. 1 – 242 palynology glass slides from cuttings (120'-11,742') and 3 TAI/kerogen glass slides from cuttings (8,190'-10,500'),

   BP Exploration Alaska Inc. Yukon Gold No. 1 – 266 palynology glass slides from cuttings (100'-12,800' TD),

   Conoco Inc. Badami No. 2 – 186 palynology glass slides from cuttings (4,510'-11,860' TD), 14 palynology glass slides from core (10,731.0'-10,788.4') and 8 palynology glass slides from sidewall core (10,570'-10,884),

   Conoco Inc. Sequoia No. 1 – 20 palynology glass slides from sidewall core (4,428'-6,559'), and

   Shell Oil Company OCS Y-0370-1 (Sandpiper No. 1) – 14 palynology glass slides from core (11,804'-12,117').

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3. The GMC received the following processed oil and gas well materials:

Shell Oil Company OCS Y-0195-1 (Tern Island No. 1) – 98 palynology glass slides from cuttings (7,270'-9,480').

4. The GMC had **171** telephone or written contacts during the reporting period. There have been **47** visitations to the GMC since **28 February 2009**, including representation from:

Aeon Biostratigraphic Services (Anchorage)
Alaska Dept Natural Resources, Div. of Oil and Gas (Anchorage)
Alaska Oil & Gas Conservation Commission (Anchorage)
FEX, Talisman (Anchorage)
IRF Group, Inc. (Anchorage)

Contacts for Geologic Materials Center — total 218

Public:	27	Industry:	159	Univ.:	13	Fed. Govt:	6	State:	13	Other Govt:	0

FY2009 (7/1/08 – present) cumulative contacts for Geologic Materials Center – total 2,024

Public:	229	Industry:	1,289	Univ.:	196	Fed. Govt:	144	State:	166	Other Govt:	0

cc: Rodney A. Combellick, Deputy Director of DGGS,
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TO: Robert Swenson
State Geologist and Acting Director

DATE: 1 May 2009

FILE NO:

FROM: John W. Reeder
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – April

1. The Alaska GMC received from the **Alaska Oil and Gas Conservation Commission** the following oil/gas well materials:

   BP Exploration (Alaska) Inc. Mount Elbert No. 1 core chips (1,990'-2,363').

2. The GMC received as a donation the following processed materials from **MicroPaleo Consultants Inc**.:

   ARCO Alaska Inc. Pipeline State No. 1 – 334 palynology glass slides from cuttings (120'-15,153'),

   ARCO Alaska Inc. OCS Y-0537-1 (Rat No. 1) – 9 palynology glass slides from sidewall core (1,530'-3,796') and 2 siliceous microfossil glass slides from sidewall core (2,420'),

   Chevron USA Inc. Kavearak Point No. 32-25 – 94 palynology glass slides from cuttings (500'-9,160'),

   Conoco Inc. Badami No. 1 – 283 palynology glass slides from cuttings (110'-13,595') and 26 palynology slides from core (12,608.8'-12,704.1'),

   Dome Oil Edlok N-56 (McKenzie Delta) – 127 palynology glass slides from cuttings (162m-2,531m),

   Tenneco Oil Company OCS Y-0338-1 (Phoeniz No. 1) – 236 palynology glass slides from cuttings (360'-9,866') and 69 palynology glass slides from core (7,598'-8,530'), and

   Shell Oil Company West Mikkelsen Unit No. 4) – 20 palynology glass slides from cutting (11,000'-11,300').

3. The GMC had **201** telephone or written contacts during the reporting period. There have been **58** visitations to the GMC since **31 March 2009**, including representation from:

   Aeon Biostratigraphic Services (Anchorage)
   Alaska Earth Sciences (Anchorage)
   Alaska Geo Information Group (Anchorage)
   Alaska Green Energy (Palmer)

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History and Archeology, State of Alaska Div. Of Parks & Outdoor Recreation (Anchorage)
IRF Group, Inc. (Anchorage)
Jack Wood Family Trust (Grass Valley, California)
Alaska Dept Natural Resources, Div. of Oil and Gas (Anchorage)
University of Alaska Anchorage, Chugiak-Eagle River Campus
U. S. Geological Survey (Anchorage)

Contacts for Geologic Materials Center — total 259

Public:	23	Industry:	172	Univ.:	38	Fed. Govt:	9	State:	17	Other Govt:	0

FY2009 (7/1/08 – present) cumulative contacts for Geologic Materials Center – total 2,283

Public:	252	Industry:	1,461	Univ.:	234	Fed. Govt:	153	State:	183	Other Govt:	0

cc: Rodney A. Combellick, Deputy Director of DGGS,
GMC Mailing List

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PO BOX 772805
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Email: john.reeder@alaska.gov

TO: Robert Swenson
State Geologist and Acting Director

DATE: 1 June 2009

FILE NO:

FROM: John W. Reeder
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – May

1. The Alaska GMC received from the **Alaska Oil and Gas Conservation Commission** the following oil/gas well materials:

   BP Exploration (Alaska) Inc. Milne Point Unit Liviano No. 1 cuttings (115'-4,314'),

   ENI Petroleum Maggiore No. 1 cuttings (110'-9,500'), and

   ENI Petroleum Rock Flour No. 3 cuttings (110'-4,278').

2. The Alaska GMC received as a donation the following processed materials from **MicroPaleo Consultants Inc**.:

   Amoco Production Co. OCS Y-1092-1 (Galahad No. 1) – 30 palynology glass slides from sidewall cores (2,450'-9,124.6') and 172 palynology glass slides from cuttings (460'-9,238'),

   ARCO Alaska Inc. Gyr No. 1 – 176 palynology glass slides from cuttings (120'-8,020'),

   Champlin Petroleum Co. Beared State No. 1-11 – 30 kerogen/TAI glass slides from cuttings (3,450'-11,350') and 240 palynology glass slides from cuttings (560'-10,920'),

   Conoco Inc. Astosch Unit No. 1 – 185 palynology glass slides from cuttings (100'-8,715'),

   DGGS/ARCO 1991 outcrop samples – 55 palynology glass slides,

   DGGS/Mobil 1991 outcrop samples – 123 palynology glass slides,

   Hamilton Brothers Kup Delta No. 51-2 – 156 palynology glass slides from cuttings (11,710'-8,860'), and

   USGS/Art Grantz Arctic Cores, Beaufort Sea Slope (P189AR) - 131 palynology glass slides from core.

3. The Alaska GMC received from industry the following processed oil and gas well materials:

   Husky Oil NPRA Corporation (U. S. Geological Survey) West Fish Creek No. 1 – 2 petrographic thin sections from cuttings (5,550'-5,590'),

   Husky Oil NPRA Corporation (U. S. Geological Survey) W. T. Foran No. 1 – 3 petrographic thin sections from core (7,539', 7,540', and 7,541'),

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Union Oil company of California Trading Bay Unit M-29 – 27 petrographic thin sections of core (11,481.8'-11,511').

4. The Alaska GMC received the following Data Report.:

No. 359: Various geochem data from core of the **U. S. Navy Gubik Test Well No. 1** (3,491.5', 3,492', 3,577' and 3,599') and the **U. S. Navy Gubik Test Well No. 2** (1,849.7', 1,852.5', 1,856.5', 1,863' and 1,868').

5. The GMC had **186** telephone or written contacts during the reporting period. There have been **52** visitations to the GMC since 30 April 2009, including representation from:

Aeon Biostratigraphic Services (Anchorage)
Alaska Earth Sciences (Anchorage)
Div. Mining, Land & Water, State of Alaska Dept. Natural Resources (Anchorage)
G. P. Ventures (Cedar City, Utah)
IRF Group, Inc. (Anchorage)
Nature's Jewels (Anchorage)
On-Line Exploration Services (Anchorage)
U. S. Minerals Management Service (Anchorage)
Whitman College (Walla Walla, Washington)

Contacts for Geologic Materials Center — total 238
Public: 38 Industry: 156 Univ.: 27 Fed. Govt: 8 State: 9 Other Govt: 0

FY2009 (7/1/08 – present) cumulative contacts for Geologic Materials Center – total 2,521
Public: 290 Industry: 1,617 Univ.: 261 Fed. Govt: 161 State: 192 Other Govt: 0

cc: Rodney A. Combellick, Deputy Director of DGGS,
GMC Mailing List

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State of Alaska

PO BOX 772805
EAGLE RIVER AK 99577
Email: ken.papp@alaska.gov

TO: Robert Swenson
State Geologist and Acting Director

DATE: 1-July, 2009

FILE NO:

FROM: Kenneth R. Papp
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – June

AOGCC Materials Received

- ✓ FEX L.P. ***Amaguq #2*** cuttings (20'-8750')

Processed Oil & Gas Well Materials

No processed oil and gas well materials were received from industry during the month of June.

Shipments Received

- ✓ DNR/DGGS: ***surface samples*** (19,000 lbs)

Data Reports

- ✓ No. 359: Geochemical analysis of core from the ***U. S. Navy Gubik Test Well No. 1*** (3,491.5', 3,492', 3,577' and 3,599') and ***U. S. Navy Gubik Test Well No. 2*** (1,849.7', 1,852.5', 1,856.5', 1,863' and 1,868').
- ✓ No. 360: Photomicrographs of Petrographic Thin Sections for the ***Inigok #1***, ***Peard Test Well #1***, ***Prudhoe Bay State #1***

Donations

- ✓ MMS: ***Articles & Reprints*** on the Paleontology of Alaska (14 boxes). Thank you, MMS.

Visitations

There have been ***23 visitations*** to the GMC ***since 31 May 2009***, including representation from:

- ✓ Aeon Biostratigraphic Services (Anchorage)
- ✓ Alaska Earth Sciences (Anchorage)
- ✓ Div. Mining, Land & Water, State of Alaska Dept. Natural Resources (Anchorage)
- ✓ IRF Group, Inc. (Anchorage)
- ✓ U. S. Minerals Management Service (Anchorage)

cc: Rodney A. Combellick, Deputy Director of DGGS

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State of Alaska

PO BOX 772805
EAGLE RIVER AK 99577
Email: ken.papp@alaska.gov

TO: Robert Swenson
State Geologist and Acting Director

DATE: 1-August, 2009

FILE NO:

FROM: Kenneth R. Papp
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – July

Many recent changes have occurred at the Geologic Materials Center. Firstly, in June, Dr. John Reeder retired after serving *22 years* as Curator of the GMC. Dr. Reeder's passion for geology, teaching, and sharing his knowledge will be sorely missed. The DGGS and GMC staff would like to thank John for his many years of dedication and hard work. I would also like to thank Jean Riordan for her admirable job as acting curator of the GMC during the transition period. Jean's institutional knowledge was a huge asset and certainly made the transition much smoother for all of those involved.

As the new curator, I am optimistic as the State of Alaska and DGGS move forward with plans for a new GMC facility. In the mean time, I will strive as Dr. Reeder's successor to continue his high level of commitment to those who visit and use the facility and make the GMC experience more efficient and accessible. We are currently working on options to obtain better and more frequent information from those who use the GMC, allowing us to make changes for the better based upon helpful feedback.

Lastly, Kurt Johnson, along with the super-human efforts of the three, college interns, has been arduously sorting, indexing and moving hard-rock mineral core and hand samples in and out of tens of conexes for several months as part of the GMC Database Inventory Integration project. Their efforts will improve the in-house materials, database inventory, allowing staff to help users of the facility find information more quickly and pave the way for a future, web-interface used to query the available materials at the GMC. Kurt and the three interns, Joseph Skutca, Herbert Mansavage, and Josh Stucky have moved an impressive *1.3 million pounds* (453 metric tons) of rock over the course of the summer! Herbie's "*Hard-as-a-rock Core Workout*" will be available exclusively on YouTube soon.

Regards,

Kenneth R. Papp
Curator, Alaska Geologic Materials Center

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AOGCC Materials Received

- ✓ CONOCOPHILLIPS ALASKA INC ***Intrepid #2*** cuttings and chips (90'-3550')
- ✓ STORM CAT ENERGY CORPORATION ***Northern Dancer #1*** cuttings (240'-6233')
- ✓ ARCO ALASKA INC ***Wolf Lake ARCO/CIRI #1*** cuttings and chips (90'-13609')
- ✓ MARATHON OIL CO ***Ninilchik Unit G Oskolkoff #5*** cuttings (2260'-10384')

Processed Oil & Gas Well Materials

- ✓ TEXACO INC ***E. Kurupa Unit #1*** petrographic thin sections from cuttings (7050'-9450')
- ✓ TEXACO INC ***W. Kurupa Unit #1*** petrographic thin sections from cuttings (6960'-7050')
- ✓ HUSKY OIL NPR OPERATIONS INC ***Peard Test Well #1*** petrographic thin sections from cuttings (7830'-7840')
- ✓ HUSKY OIL NPR OPERATIONS INC ***S Meade #1*** petrographic thin sections from cuttings (7860'-7890')
- ✓ HUSKY OIL NPR OPERATIONS INC ***Kugrua #1*** petrographic thin sections from cuttings (8710'-8750')
- ✓ US NAVY ***Topagoruk Test #1*** petrographic thin sections from cuttings (6540'-6590')
- ✓ FOREST OIL CORP ***Lupine Unit #1*** petrographic thin sections from cuttings (6390'-6770')

Shipments Received

No shipments were received during the month of July.

Donations

- ✓ Jim Brown (Alaska Pacific Univ.): PAN AMERICAN ***Middle Ground Shoal State #3*** cuttings (130'-1490', 2720'-3650') and chips (9608'-9624'), PAN AMERICAN ***Middle Ground Shoal State #4*** cuttings (1050'-2060', 2720'-3650', 8240'-8870') and chips (7340'-7361') and HUMBLE OIL & REF. CO. ***Tyonek Reserve #1*** chips (Cores 1-9). Thank you, Mr. Brown.

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Data Reports

- ✓ No. 361: X-ray Diffraction Analysis of ***Drew Point #1***, ***East Simpson #1***, ***East Simpson #2***, ***Ikpikpuk #1***, ***Seabee #1***, ***W. Dease #1***,
- ✓ No. 362: QFT (Fluorescence) Characterization for ***Inigok #1***, ***MPU A1***, ***Itkillik Unit #1***
- ✓ No. 363: Petrographic Analysis of Samples from 9 NPRA Wells, North Slope, Alaska: ***East Simpson #2***, ***West Dease#1***, ***J.W. Dalton #1***, ***East Simpson #1***, ***Seabee #1***, ***Drew Pt. #1***, ***Topagoruk #1***, ***South Meade #1***, ***Ikpikpuk #1***
- ✓ No. 364: Advanced Rock Properties Study on Core samples from 8 wells in Alaska: ***Drew Pt #1***, ***East Simpson #1***, ***East Simpson #2***, ***Ikpikpuk #1***, ***J.W. Dalton #1***, ***Seabee #1***, ***Topogoruk #1***, and ***W. Dease #1***
- ✓ No. 365: Hydrocarbon Extracts From Core Chip Samples: ***Ivishak#1***, ***Susie #1***, ***Gubik #2***, ***Square Lake #1***
- ✓ No. 366: ***Makushin Geothermal Project ST-1 Core*** 2009 re-sampling and analysis: Analytical results for anomalous precious and base metals associated with geothermal systems

Visitations

There have been ***82 visitations*** to the GMC ***since 30 June 2009***, including representation from:

- ✓ Aeon Biostratigraphic Services (Anchorage)
- ✓ Alaska Earth Sciences (Anchorage)
- ✓ AMSA
- ✓ Conoco Phillips
- ✓ Div. Mining, Land & Water, State of Alaska, Dept. Natural Resources (Anchorage)
- ✓ Talisman Energy's FEX L.P.
- ✓ Full Metal Minerals LTD (FMM)
- ✓ IRF Group, Inc. (Anchorage)
- ✓ Mainz University, Germany
- ✓ Minerals and Metals Group (MMG)
- ✓ U.S. Minerals Management Service (MMS, Anchorage)
- ✓ Petro-Canada
- ✓ University of Alaska, Fairbanks
- ✓ University of British Columbia
- ✓ WPA

cc: Rodney A. Combellick, Deputy Director of DGGS

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TO: Robert Swenson
State Geologist and Acting Director

DATE: 1-September, 2009

FILE NO:

FROM: Kenneth R. Papp
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – August

AOGCC Materials Received

- ✓ CONOCOPHILLIPS ALASKA INC ***Colville River Unit #CD2-11*** chips (6083'-6139')
- ✓ BROOKS RANGE PETROLEUM ***Sak River #1*** washed cuttings (350'-11310')
- ✓ BP EXPLORATION ALASKA INC ***Milne Point Unit KR #F-99*** chips (8786'-9014')
- ✓ BP EXPLORATION ALASKA INC ***Milne Point Unit Ugnu #S-37*** plugs (3884.5'-4350.4')
- ✓ BP EXPLORATION ALASKA INC ***Milne Point Unit Liviano #1A*** plugs (3416.5'-4025.5')
- ✓ BP EXPLORATION ALASKA INC ***Milne Point Unit Pesado #1A*** plugs (3853.6'-4175.5')

Processed Oil & Gas Well Materials

No processed oil and gas well material was received during the month of August.

Shipments Received

- ✓ DNR/DGGS: ***surface samples*** (1000 lbs)

Data Reports

- ✓ No. 367: Sidewall core analyses from 33 Alaska OCS wells.
- ✓ No. 368: Geochemical analysis (total organic carbon, rock-eval, bitumen geochemistry, vitrinite reflectance) from the ***Ikpikpuk #1, W.T. Foran #1, J.W. Dalton #1, Seabee #1, Sentinel Hill, Titaluk Test #1, N. Inigok #1, Drew Pt. #1, Gubik Test #1, Inigok #1 and Oumalik Test #1*** wells.
- ✓ No. 369: ***Pyramid*** Project: Aleut-Quintana-Duval Joint Venture Report on 1975 Drill Programme

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Donations

No donations were given to the GMC during the month of August.

Visitations

There have been ***66 visitations*** to the GMC ***since 31 July 2009***, including representation from:

- ✓ Aeon Biostratigraphic Services (Anchorage)
- ✓ Alaska Earth Sciences (Anchorage)
- ✓ Alaska Oil and Gas Conservation Commission (AOGCC)
- ✓ Conoco Phillips
- ✓ State of Alaska, Dept. Natural Resources
- ✓ Talisman Energy's FEX L.P.
- ✓ Full Metal Minerals LTD (FMM)
- ✓ IRF Group, Inc. (Anchorage)
- ✓ Mainz University, Germany
- ✓ Minerals and Metals Group (MMG)
- ✓ U.S. Minerals Management Service (MMS, Anchorage)
- ✓ Red Arrow Research
- ✓ University of Alaska, Fairbanks

cc: Rodney A. Combellick, Deputy Director of DGGS

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PO BOX 772805
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Email: ken.papp@alaska.gov

TO: Robert Swenson
State Geologist and Acting Director

DATE: 1-October, 2009

FILE NO:

FROM: Kenneth R. Papp
Curator, Alaska Geologic Materials Center

SUBJECT: Monthly Report – September

The crew here at the GMC have organized, documented and detailed approximately 80% of the hard rock material stored in 18 conexes. The next step is to link these details to bar codes placed on every box, allowing the staff to more quickly find once unorganized material and better serve visitors to the GMC. Don Hartman and staff are also working hard to make more room inside the main warehouse by detailing and reboxing the massive USGS (Henry Bender) collection. Currently, the cuttings are stored in large, wooden boxes that are nailed closed. Reboxing this material will cut down the physical size of the collection by approximately 1/3. It is critical to find ways to "create" space in the main warehouse as the aging facility is quickly reaching full capacity.

Kurt Johnson had the pleasure of spending a day with Dorte Mobley and her troop of Webelo Boy Scouts from Wasilla. Kurt, Joseph Skutca and Kjol Johnson took the group out to the Matanuska River overlook and to the Sutton area, enjoying a little fossil hunting and a good discussion about the Wishbone Hill Syncline.

Lastly, I would like to thank Ken Helmhold for upgrading our petrographic microscope. Ken also plans to retrofit the scope with a digital camera in the near future.

Regards,

Kenneth R. Papp
Curator, Alaska Geologic Materials Center

AOGCC Materials Received

- ✓ CONOCOPHILLIPS ALASKA INC ***Beluga River Unit 232-23*** chips (6412'-6947')

Processed Oil & Gas Well Materials

- ✓ U.S. NAVY ***Gubik Test #1*** petrographic thin section from core (3535')
- ✓ HUSKY OIL NPR OPERATIONS INC ***Ikpikpuk #1*** petrographic thin section from core (10624')

MEMORANDUM

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
Telephone: (907) 696-0079 Fax: (907) 696-0078

State of Alaska
PO BOX 772805
EAGLE RIVER AK 99577
Email: ken.papp@alaska.gov

Shipments Received

No shipments were received during the month of September.

Data Reports

- ✓ No. 367: Sidewall core analyses from 33 Alaska OCS wells.
- ✓ No. 368: Geochemical analysis (total organic carbon, rock-eval, bitumen geochemistry, vitrinite reflectance) from the ***Ikpikpuk #1, W.T. Foran #1, J.W. Dalton #1, Seabee #1, Sentinel Hill, Titaluk Test #1, N. Inigok #1, Drew Pt. #1, Gubik Test #1, Inigok #1 and Oumalik Test #1*** wells.
- ✓ No. 369: ***Pyramid*** Project: Aleut-Quintana-Duval Joint Venture Report on 1975 Drill Programme

Donations

No donations were given to the GMC during the month of September.

Visitations

There have been ***49 visitations*** to the GMC ***since 31 August 2009***, including representation from:

- ✓ Aeon Biostratigraphic Services (Anchorage)
- ✓ American Stratigraphic
- ✓ CanRig
- ✓ Conoco Phillips
- ✓ IRF Group, Inc. (Anchorage)
- ✓ Nature's Jewels
- ✓ State of Alaska, Dept. Natural Resources
- ✓ U.S. Minerals Management Service (MMS, Anchorage)

cc: Rodney A. Combellick, Deputy Director of DGGS

Alaska Geologic Materials Center
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A Monthly Newsletter About: The Goings-on at the Alaska GMC

productive capacity

The crew here at the GMC continues to make more room inside the main warehouse by detailing and reboxing the massive USGS (Henry Bender) collection. GMC staff has also completed moving and indexing all of the oil and gas material that was stored on the second floor of the "Green Building." The 600+ boxes/buckets of wet cuttings were moved to the basement of the main warehouse to eliminate the possibility of water damage from an aging roof and poor internal plumbing. The GMC's database manager continues to direct efforts to restructure, simplify, and oversee the quality control of the facility's digital inventory archive.

unitization

GMC staff would like to thank John Larson (MMS) for his repeated visits and for taking the time to document and perform a detailed inventory of a previously undocumented MMS palynology, kerogen, and foram slide collection. We at the GMC appreciate John's work and look forward to integrating the new information into our database.

The GMC has also been contacted by Dick Emanuel of the Imaginarium Discovery Center at Anchorage Museum regarding new science exhibits that will open in the expanded Anchorage Museum in 2010. The Curator is happy to announce plans to provide the IDC with a unique, slabbed rock-core on long-term loan.

Boxes of cuttings from the Henry Bender Collection.

probable reserves

The GMC interns worked hard to move the oil and gas material out of the "Green Building" and have provided updated documentation for 600+ boxes/buckets of wet cuttings. The three UAA students have also been assisting contract curator Don Hartman with detailing and reboxing a large portion of the USGS collection.

development well

The GMC is planning to provide users with an online, geospatial representation of its inventory and work toward providing the public with online search tools to query the material archive from the basin/region scale down to the box level. Stay tuned for future developments.

AOGCC Materials Received

No material was received from the AOGCC during the month of October.

Processed Oil & Gas Well Materials

- ✓ HUSKY OIL NPR OPERATIONS INC ***Ikpikpuk #1*** petrographic thin sections (6) from core (7135.8'–7142.5')
- ✓ HUSKY OIL NPR OPERATIONS INC ***Drew Pt #1*** petrographic thin sections (2) from core (5904'–5917')
- ✓ HUSKY OIL NPR OPERATIONS INC ***Inigok #1*** petrographic thin sections (9) from core (2661'–8849')

Shipments Received

Sample plugs (5 boxes) from DGGS surface samples (2008 North Slope Foothills, Sagavanirktok STATEMAP project).

Data Reports

No data reports were generated during the month of October.

Donations

AURORA GAS LLC ***Endeavour #1*** unwashed cuttings (8 boxes, Set A, 2280'–9225'). Thank you to Bruce Webb for contributing to the GMC's inventory.

Visits

There have been ***40 visits*** to the GMC ***since 30 Sept 2009***, including representation from:

- ✓ Aeon Biostratigraphic Services (Anchorage)
- ✓ CanRig
- ✓ IRF Group, Inc. (Anchorage)
- ✓ Polar Consult
- ✓ State of Alaska, Dept. Natural Resources
- ✓ U.S. Minerals Management Service (MMS, Anchorage)
- ✓ and the general public

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productive capacity

Although the main responsibility of the GMC is to preserve and ensure the safety of the material stored at the facility, it is equally critical to make the material and its derived data accessible to the public. GMC staff has been involved in an ongoing push to migrate all available oil and gas and hard-rock mineral inventory data into Google Earth and provide users with an online search tool to query the available materials at the GMC. Query results would include first-order information such as well/borehole names, API numbers, number of boxes, full footage intervals, core size, material types (core, cuttings, thin sections, etc.) and second-order data such as box-level footage intervals, associated data reports, links to well-history information, and more. The GMC hopes to have the GMC web search interface available in the Spring of 2010.

unitization

Curator Kenneth Papp had the pleasure of talking about volcanoes via Skype video-chat with a 3rd-grade class from Elida Elementary School in Elida, Ohio. Mrs. Nancy Carter asked her students to prepare questions regarding Alaska's active volcanoes and the recent Mt. Redoubt eruption. The students received a 2010 Mt. Redoubt calendar, a vial of volcanic ash collected in Anchorage from the March 2009 Redoubt eruption, and a CD full of photos and images courtesy of the Alaska Volcano Observatory.

Google Earth GMC 3-D model by Kjol Johnson.

probable reserves

The GMC interns worked hard improving the documentation and organization of the facility's thin section collection. The GMC has hired a 4th intern from UAA, Allison Empey, to work with the Curator to compile documentation for the first Annual GMC Curator's Report.

development well

Intern Allison Empey, under the guidance of the Curator and GMC staff, has started to compile documentation for the first Annual GMC Curator's Report. The report will highlight examples of priceless materials in need of curation and the GMC's plans to ensure the materials' protection and provide accessibility to the materials for all users of the facility.

AOGCC Materials Received

No material was received from the AOGCC during the month of November.

Processed Oil & Gas Well Materials

No processed oil and gas well material was received during the month of November.

Shipments Received

No shipments were received during the month of November.

Data Reports

No data reports were generated during the month of November.

Donations

- ✓ PIONEER NATURAL RESOURCES ALASKA INC ***Pioneer 1702 #14CC*** core (7 boxes, 1948'–1951', 3277'-3299')
- ✓ PIONEER NATURAL RESOURCES ALASKA INC ***Pioneer 1702 #15DD*** core (2 boxes, 1954.8'–1958.2')

Thank you to Dr. Paul Layer (UAF) for contributing to the GMC's inventory.

Visits

There have been ***29 visits*** to the GMC ***since 31 Oct 2009***, including representation from:

- ✓ Alaska Earthquake Information Center (AEIC/UAF)
- ✓ Aeon Biostratigraphic Services (Anchorage)
- ✓ Beaton Path Mining, LLC
- ✓ IRF Group, Inc. (Anchorage)
- ✓ Full Metal Minerals LTD (FMM)
- ✓ State of Alaska, Dept. Natural Resources
- ✓ U.S. Minerals Management Service (MMS, Anchorage)
- ✓ and the general public

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productive capacity

An entire shipping container of coal-bed methane core is in need of immediate curation. This core represents 70% of the coal-bed methane core at the GMC and was released to the State of Alaska by Evergreen Resources (Alaska) Corporation in 2005. Not only is it imperative to ensure the preservation of any material that is part of the State collection, but this core contains rare intervals of tan-colored, young coal, almost woody in texture, that merits additional research. Due to the post-drill volatile content, high porosity, and unique chemistry, the material and subsequent boxes have reacted negatively with the moisture introduced into the conex by multiple freeze/thaw cycles. Further, the moisture levels in this particular conex were high enough to warp the wooden planks that make up the floor of the container before an effort was made to dry out the conex in August. A major preservation effort for this core is now the top priority at the GMC.

unitization

As a result of the coal-bed methane core's deteriorating condition, Mike Belowich, Coal Geologist with Alaska Earth Sciences, was asked to visit the GMC, provide a history of the core, and advise the staff on material rescue options and possible proactive measures to prevent future damage to other soft sediment cores stored at the facility. The GMC staff would like to thank Mike for his time and valuable insight into helping prevent further damage to the Sheep Creek #1, Kashwitna Lake #1, Houston #1, Slats #1, and Little Su #1 coal-bed methane cores.

Coal-bed methane core in need of immediate curation.

probable reserves

The GMC interns continue to work hard improving the documentation and organization of the facility's oil and gas collection. GMC intern, Allison Empey, will be incorporating information learned from Mike Belowich's visit (see above) into the first Annual GMC Curator's Report.

development well

GMC staff had a successful meeting with DGGS Programmer, Susan Seitz, to establish a plan to migrate the entire GMC database into the DGGS Oracle system. The migration will provide (1) the information that will soon be searchable via an online, web interface and (2) more powerful query and reporting options for GMC staff.

Processed Oil & Gas Well Materials

- ✓ ARCO ALASKA INC ***Kalubik #3*** palynology slides (16) from cuttings (6510'–7000')
- ✓ ARCO ALASKA INC ***Kalubik #3*** kerogen slides (16) from cuttings (6510'–7000')

AOGCC Materials Received

No material was received from the AOGCC during the month of December.

Shipments Received

No shipments were received during the month of December.

Data Reports

No data reports were generated during the month of December.

Donations

No donations were received during the month of December.

Visits

There have been ***13 visits*** to the GMC ***since 30 Nov 2009***, including representation from:

- ✓ Anchorage Museum, Imaginarium Discovery Center
- ✓ Aeon Biostratigraphic Services (Anchorage)
- ✓ IRF Group, Inc. (Anchorage)
- ✓ and the general public