State of Alaska
Department of Natural Resources
DIVISION OF MINES AND MINERALS

P. O. Box 1391
Juneau, Alaska

MINES AND PETROLEUM BULLETIN

March, 1963

Vol. XI
No. 3

MINE-MOUTH COAL FIRED POWER PLANTS

Plans have been announced for a power pool of 18 eastern utility companies to invest $350 million in mine-mouth power plants and transmission facilities. The plants will burn 6 million tons of coal a year, and have an installed capacity of 2.1 million kilowatts. More than 600 miles of 500,000 volt transmission line will be built to furnish power to the eastern mid-Atlantic area. Completion of the system is expected in 1967 and 1968.

PUBLICATIONS OF U. S. GEOLOGICAL SURVEY

The Juneau office of the DM&M has received copies of the following publications for its library:

Preliminary Geologic Map of the Umiat-Maybe Creek Region, Alaska, by W. P. Brosge and C. L. Whittington.

Aeromagnetic Map of Parts of the Ugashik and Karluk Quadrangles, Alaska, by Gordon E. Andreasen, William J. Dempsey, Joseph L. Vargo, and others.

Aeromagnetic Map of Part of the Naknek Quadrangle, Alaska, by Gordon E. Andreasen, William J. Dempsey, Joseph L. Vargo, and others.

Geologic Reconnaissance of the Yukon Flats District, Alaska, by John R. Williams, Bulletin 1111-H. The bulletin is a result of a program of terrain and permafrost investigations in Alaska. It explains and shows the history of the alluvial deposits of the Yukon flats and will be of interest to anyone investigating gold placer deposits in the area covered by the report.

These publications are also available for reading at the other offices of the DM&M as well as the various USGS offices, and are for sale at the Fairbanks and Anchorage USGS offices.

OIL NEWS

Three permits to drill have been approved by the Petroleum Branch since the date of the last bulletin. They are as follows: (1) White River #3 - B. P. Exploration Company (Alaska), Inc., 300' FNL, 2200' FWL, Sec. 29, T.21S, R.19E, CRM. This well will be about 8 miles east of Cape Yakataga. (2) Fritz Creek #1 - Halbouty Alaska Oil Company, 1337' FNL, 1569' FEL, Sec. 4, 6S, 12W, SM. This location is about 6 miles east of Homer. (3) Tyonek State #2 - Pan American Petroleum Corporation, subsurface location 3175' SNL, 1900' EWL, Sec. 25, 11N, 12W, SM. Surface location 168.95' SNL, and 1864.99' EWL, Sec. 25, 11N, 12W, SM. Surface location is on Moquawkie Indian Reservation. Subsurface location is under Cook Inlet.

Drilling Activity

Operator	Well Number	Status 1/29/63
Aledo	Eureka #2	Drlg.
Halbouty	Fritz Creek #1	Drlg.
Richfield	Wide Bay Unit #1	Drlg.
Pan American	Cook Inlet #1	Burning
Pan American	Moose Creek #1	Drlg.
SOCAL	BRU 233-27	Rigging up
SOCAL	SCU 22A-32	Drlg.
SOCAL	SCU 43-9	Drlg.
SOCAL	SRU 14-9	Fishing
SOCAL	SRU 21-34	Drlg.

Completions

B. P. (Alaska)	Wasilla State #1	P&A
Pan American	Tyonek State #1	Suspended
Sinclair	Mystery Creek #1	P&A
SOCAL	BRU 232-4	Shut in gas well
SOCAL	SCU 21-8	Producing oil well
SOCAL	SRU 14-22	Producing oil well

NOTE: BRU 242-27 has been changed to 233-27.

Production, Swanson River Field, Hemlock Zone

	Producing Wells	Oil-Barrels	Gas (MCF)
January 1963	44	943,558	232,515
Cumulative to Feb. 1, 1963		18,309,512	3,490,711

Production, Kenai Gas Field

	Producing Wells	Gas (MCF)
January 1963	3	360,987
Cumulative to Feb. 1, 1963		2,052,100

Production, Sterling Gas Field

January 1963	1	3,782
Cumulative to Feb. 1, 1963		28,968

Production, Swanson River Gas Field, Kenai Zone

January 1963	5	195,935
Cumulative to Feb. 1, 1963		349,147

Gas Injection, Swanson River Field, Hemlock Zone

	Injection Wells	Injection (MCF)
January 1963	2	298,399
Cumulative to Feb. 1, 1963		550,559

Oil production for January averaged 30,437 barrels per day as compared to 29,214 barrels per day during December, 1962.

Bureau of Indian Affairs Schedules Oil and Gas Lease Sale - The Department of the Interior, Bureau of Indian Affairs, Juneau Area Office, has announced a competitive oil and gas lease sale to be held April 3, 1963, on 32 tracts within the Moquawkie Indian Reservation. Bids will be received until 2:00 PM, April 3, 1963, Alaska Standard Time by the Area Director of the Juneau Area Office, in the Area Field Office, Bureau of Indian Affairs, 528 1/2 - 5th Avenue, Anchorage, Alaska, and will be opened in the City Council Chambers of the Loussac Library, 5th Avenue at F Street, Anchorage, Alaska, at 2:00 PM, April 3, 1963, Alaska Standard Time. The 32 leasing units up for lease comprise 26,918.77 acres. Further information and tract description can be had from either of the above-mentioned offices.

Fourth Noncompetitive Oil and Gas Lease Sale Scheduled - An area totaling 393,277 acres in the Tyonek Range, the Susitna Gunnery Range, the Susitna River Valley, and the Susitna River headwaters has been opened for the filing of noncompetitive oil and gas lease applications by the Division of Lands.

The availability of the lands for oil and gas leasing does not necessarily mean that they lie within a sedimentary basin and are, therefore, prospectively favorable for oil and gas development. Intrusive, extrusive, and metamorphic rocks are known to exist in some of the areas available at this time.

Applications may be filed from 10:00 AM to 3:00 PM Monday through Friday beginning at 10:00 AM March 4 and ending at 3:00 PM April 2, 1963. At the close of the 30-day simultaneous filing period, the public will be notified of the date of a public drawing to establish priorities on each tract.

Applications must be filed in duplicate on the DL-2 application form, as revised May 1962. Each application must be accompanied by a $20 filing fee in certified or cashier's check, money order or cash.

The leasing block number, the legal description of each tract, and maps of the leasing areas will be available on March 1. Protraction sheets showing the location of the tracts will be available at $2.00 each or $18.00 per set. Each order should be accompanied by the proper remittance. The maps will be sent by air mail.

Further information, application forms and protraction sheets may be obtained from the Division of Lands, 344 Sixth Avenue, Anchorage, Alaska.

The following well records will be released during 1963:

Well Name and Number	Operator	Release Date
Soldotna Creek Unit 14-34	SOCAL	1/23/63
Soldotna Creek Unit 14-9	SOCAL	1/26/63
Kenai Unit 41-19	Union Oil Co. of Cal.	2/9/63
Soldotna Creek Unit 32-9	SOCAL	2/16/63
Kaliakh River 2RD	Richfield Oil Corp.	2/24/63
Kenai Unit 44-18	Union Oil Co. of Cal.	2/29/63
Swanson River Unit 23-27	SOCAL	3/5/63
Soldotna Creek Unit 32-8	SOCAL	3/26/63
Soldotna Creek Unit 43-33	SOCAL	4/8/63
Swanson River Unit 41-33	SOCAL	4/12/63
Soldotna Creek Unit 12-3	SOCAL	4/23/63

Well Name and Number	Operator	Release Date
Swanson River Unit 23-15	SOCAL	5/5/63
Soldotna Creek Unit 12-4	SOCAL	5/8/63
Falls Creek Unit No. 1	SOCAL	5/24/63
Soldotna Creek Unit 43-8	SOCAL	5/24/63
Soldotna Creek Unit 12-16	SOCAL	5/29/63
Swanson River Unit 21-27	SOCAL	6/5/63
Soldotna Creek Unit 43-4	SOCAL	6/14/63
Soldotna Creek Unit 43-5	SOCAL	6/28/63
Soldotna Creek Unit 23-4	SOCAL	7/1/63
"Core Hole" No. 1	Colorado Oil & Gas Corp.	7/3/63
Swanson River Unit 21-15	SOCAL	7/7/63
Swanson River Unit 23-33	SOCAL	7/10/63
Soldotna Creek Unit 41-9	SOCAL	7/11/63
Soldotna Creek Unit 41-8	SOCAL	8/14/63
Soldotna Creek Unit 23-9	SOCAL	8/17/63
Soldotna Creek Unit 21-9	SOCAL	8/19/63
"Core Hole" No. 2	Colorado Oil & Gas Corp.	8/21/63
Swanson River Unit 43-28	SOCAL	8/22/63
Soldotna Creek Unit 14-3	SOCAL	9/2/63
Swanson River Unit 34-15	SOCAL	9/4/63
Sterling Unit 23-15	Union Oil Co. of Cal.	9/4/63
Soldotna Creek Unit 243-4	SOCAL	9/17/63
Duktoth River Unit No. 1	Richfield Oil Corp.	9/18/63
Swanson River Unit 43-15	SOCAL	10/8/63
"Core Hole" No. 3	Colorado Oil & Gas Corp.	10/14/63
Soldotna Creek Unit 41-5	SOCAL	10/20/63
Swan Lake Unit 34-27	SOCAL	10/25/63
Fish Creek Unit 12-8	Union Oil Co. of Cal.	11/2/63
Swanson River Unit 212-27	SOCAL	11/6/63
Rosetta 4-A	Hackathorn Drlg. Co.	11/7/63
Napatuk Creek Unit No. 1	Pan American Pet. Corp.	11/8/63 Released 7/20/62 by letter from operator.
Soldotna Creek Unit 34-5	SOCAL	11/9/63
Canoe Bay Unit No. 1	Pure Oil Co.	11/26/63
White River Unit No. 1	Richfield Oil Corp.	11/30/63
Swanson River Unit 43-15RD	SOCAL	12/1/63
Bering River Unit No. 1	Richfield Oil Corp.	12/2/63
Soldotna Creek Unit 21-4	SOCAL	12/5/63
"Core Hole" No. 4	Colorado Oil & Gas Corp.	12/5/63
Soldotna Creek Unit 34-9	SOCAL	12/8/63
Chaix Hills Unit No. 1	SOCAL	12/10/63

1963 AMERICAN MINING CONGRESS MINING CONVENTION

The 1963 Metal Mining and Industrial Minerals Convention of the American Mining Congress will be held at Los Angeles, September 15-18. Hotel reservations are being handled through the AMC Housing Bureau, operated by the Los Angeles Convention Bureau, 404 South Bixel Street, Los Angeles 54, California. Further information will be sent in the near future by the AMC including reservation forms.

NEW GOLD ORGANIZATION

A Committee for Research on the Properties and Uses of Gold Inc. has been organized by gold producers on three continents in order to accelerate research on the properties and

uses of gold. Charter members are The Transvaal and Orange Free State Chamber of Mines, Chamber of Mines of Western Australia and Homestake Mining Company. Clyde Williams and Company has been retained to manage the program. All gold producers in the free world will be invited to join the group.

WESTERN AUSTRALIA'S IRON

Latest estimates of reserves of 48-68% pure iron made by the Mines Department of Australia are eight billion tons. The ore is found in the Pilbara district of western Australia and at the present rate of consumption will last Australia for 1400 years.

U. S. SPACE AGENCY RESEARCH MAY HELP EXPLORATION

Donald Davenport of Stanford Research Institute in a paper given at the National Western Mining Conference indicated that present lunar satellite instrument research may eventually lead to helping the mining industry. The agency is trying to develop an instrument that will identify minerals as the space vehicle flies past the moon's surface. If such an instrument can be made to operate under these conditions, it should be easily adaptable to use on the earth.

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E. AND M. J. METAL MARKET PRICES

	Feb. 25, 1963	Month Ago	Year Ago
Copper, per lb.	31¢	31¢	31¢
Lead, per lb.	10.5¢	10.5¢	9.5¢
Zinc, per lb.	12¢	12¢	12¢
Tin, per lb.	108.1¢	111.3¢	121.4¢
Nickel, per lb.	79¢	79¢	81.3¢
Platinum, per oz.	$80-85	$80-85	$80-85
Mercury, per flask	$187-190	$187-190	$192-195
Antimony ore, per unit	$4.25-4.50	$4.25-4.50	$4.30-4.50
Beryllium ore, per unit	Domestic price not quoted.		$46-48
Chrome ore, per long ton	$36-38	$36-38	$36-38
Molybdenum conc., per lb.	$1.40	$1.40	$1.40
Titanium ore, per ton	$23-26	$23-26	$23-26
Tungsten ore, per unit	$16-20	$16-20	$20-22
Silver, foreign, per oz.	125.60¢	125.60¢	102.0¢
Silver, domestic, per oz.	90.5¢	90.5¢	90.5¢

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