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STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS

P. O. Box 1391
Juneau, Alaska

MINES AND PETROLEUM BULLETIN

April, 1965

Vol. XIII
No. 4

MINING ACTIVITIES

Southwestern - More than thirty claims in the Chignik area about 250 miles southwest of Kodiak have been deeded to Pan American Petroleum Corporation by Ward I. Gay. The claims were staked for a variety of minerals including lead, silver and gold. Pan American has applied for a trade and manufacturing site on tide water and a road right of way from the site to the claimed area. The company plans an extensive exploration program during the summer on these claims as well as the iron claims staked last summer in the vicinity of Lake Iliamna.

SALE OF PATENTED MINING CLAIMS

The State Division of Lands, 344 6th Avenue, Anchorage, has announced a sale of patented mining claims on the Seward Peninsula. These U.S. Mineral Surveys have been foreclosed by the State for nonregistration of ownership or nonpayment of taxes. They will be offered at public auction at Nome probably in late June or early July. Bids for less than the appraised values will not be accepted. Arrangements are not yet complete, nor have final appraisals been made. Included in the tentative list for sale are 47 mineral surveys, some containing several claims. We will endeavor to publish a tabulation of these by U.S.M.S. No., number of acres, location, and possibly the appraisal price in our Bulletin next month. Sales for other areas are being planned to follow the Nome sale. Watch the Division of Lands publication Land Lines also. Inquiries should be directed to the Division of Lands.

OIL NEWS

Drilling Activity:

<u>Operator</u>	<u>Well Name & Number</u>	<u>Status 3/24/65</u>
Standard Oil Co. of Calif.	Birch Hill Unit #22-25	Drilling
Humble Oil & Refining Co.	Tyonek Reserve #1	Suspended
B.P. Exploration	Itkillik Unit #1	Abandoned

1951 MAY 10
MEMPHIS, TENN

TO: DIRECTOR, FBI
FROM: SAC, MEMPHIS
SUBJECT: [illegible]

MEMPHIS, TENN

1951 MAY 10
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OIL NEWS (Continued)

Production, Swanson River Field, Hemlock Zone:

	<u>Producing Wells</u>	<u>Oil Barrels</u>	<u>Gas (MCF)</u>
February 1965	55	849,306	.248,030
Cumulative to March 1, 1965		40,953,128	9,672,211

Production, Kenai Gas Field:

February 1965	3		552,267
Cumulative to March 1, 1965			10,365,074

Production, Sterling Gas Field:

February 1965	1		7,228
Cumulative to March 1, 1965			147,008

Production, Swanson River Field, Kenai Zone:

February 1965	4		177,356
Cumulative to March 1, 1965			9,110,170

Gas Injection, Swanson River Field, Hemlock Zone:

February 1965	3		315,422
Cumulative to March 1, 1965			12,717,313

A drilling permit was approved for Mobil Oil Company, Granite Point #1, an offshore exploratory well to be drilled in Cook Inlet about four miles almost due south of Pan American's Tyonek #2.

B.P. Exploration Company's Itkillik #1 and Standard Oil Company's Birch Hill #1 were the only active drilling wells in the State during the past month. Itkillik #1 reached total depth and proposal to abandon was approved in March.

The termination date of Shale Wall Unit was incorrectly reported last month as January 25, 1965. The U.S.G.S. advises the correct date of termination was March 1, 1965.

Shell Drilling Plans - Shell Oil Company has applied for a permit to drill its first well from its new platform at Middle Ground Shoal and also for a spacing exception for this well. It will be drilled through the westernmost leg of the platform to place it as far from the nearest section line as possible, and will be the only straight hole from this platform, which has been designated Platform A. Since the well will be drilled through conductor #3, it will be named A1-3. The spacing exception has been advertised and if protested prior to April 5, 1965

a hearing will be held. The platform is complete, the derrick erected, and the crew is in the process of rigging up and shipping in fuel and drilling supplies. The projected spudding date is shortly after April 5 if the spacing exception is granted by the Oil and Gas Conservation Committee.

Public Hearing Scheduled - Interest has been indicated in doing shallow offshore core drilling to obtain stratigraphic information. This would be on both leased and unleased lands. (A State lease grants exclusive drilling rights only below 1000 feet, but grants exclusive rights for production of hydrocarbons from all depths). We have drafted proposed regulations by which such shallow exploration drilling might be governed. They will be additions to the present Oil and Gas Conservation Regulations and are authorized by AS 31.05.030.

A public hearing to consider the proposed regulations will be held on April 22, 1965, starting at 9:30 a.m. in the City Council Chamber, Z.J. Loussac Library, Fifth and F Streets, Anchorage, Alaska. Copies of the proposed offshore exploration drilling regulations may be obtained by mail from the Juneau office of this Division (Box 1391) or over the counter at the Anchorage office (800 "L" Street).

AMENDED CLAIM STAKING LAW

Governor Egan has signed into law a bill passed by the State Legislature which changes the method of staking a lode claim on Federal public domain. It will become legally effective on May 5, 1965. The amendment reduces the number of posts required for a lode claim on Federal land from seven to four, following generally the practice adopted for claims on State-owned lands. It requires that the claim notice be posted on the northeast corner of the claim, rather than at the discovery point, and that posts or monuments are to be erected only at each corner or angle of the claim. Center end posts and discovery posts will no longer be required. The amended law will read as follows after May 5:

Sec. 27.10.030. MANNER OF DESIGNATING A LODGE CLAIM LOCATION.

The discoverer of a lode claim shall designate the location as follows:

(1) by posting at the northeast corner of the claim a plain sign or notice containing

- (A) the name of the lode claim;
- (B) the name of the locator or locators;
- (C) the date of the location;
- (D) the approximate bearings of corners and angle posts of the claim and the distances between them; and

(2) by erecting at each corner or angle of the claim

substantial monuments of stone or setting posts, not less than three feet in height nor less than three inches in diameter hewn and marked with the name of the claim, the position or number of the monument and the direction of the boundary lines, and by cutting out, blazing or marking the boundary lines so that they can be readily traced. Where it is impracticable to place a monument in its true position, a witness monument shall be erected and marked to indicate the true position of the corner or angle.

On the last sheet of this Bulletin we present a suggested simplified combination claim notice and location certificate form that will follow the amended law. It can also be used for placer claims on Federal lands and all mining claims on State-owned lands. On the back of the sheet are instructions for the guidance of claim stakers that we propose be printed on the back of the regular printed form.

NEW PUBLICATIONS

U.S. Bureau of Mines, RI 6587, Tin-Lode Investigations, Potato Mountain Area, Seward Peninsula, Alaska, by John J. Mulligan. The report contains 85 pages describing surface sampling, trenching, and drilling of tin deposits near Potato Mountain about 100 miles northwest of Nome, Alaska. Available from the U.S. Bureau of Mines, Pittsburgh, Pennsylvania.

Division of Mines and Minerals, Geochemical Report No. 2, Geochemical Investigation of the Slana District, Southcentral Alaska, 1963 and 1964 by D.H. Richter. Fourteen pages with maps. The report presents the geochemical data and a summary of the pertinent geologic information obtained in the Slana district, in southcentral Alaska, during the course of field investigations by the Division in 1963 and 1964. The report area includes approximately 110 square miles in the eastern part of the Alaska Range north of the Glenn Highway between the Chistochina and Slana Rivers. Price \$1.00. For sale by mail from Box 1391, Juneau and over the counter at the Fairbanks and Anchorage offices. (Available April 15, 1965).

Division of Mines and Minerals, Geologic Report No. 15, Geology and Mineralization of the Midas Mine and Sulphide Gulch Areas Near Valdez, Alaska, by A.W. Rose. Twenty-three pages including maps. The report covers the results of nine square miles of geologic mapping and sixty square miles of geochemical sampling at the old Midas copper mine and nearby areas. Geologic control of copper occurrences were confirmed and several geochemical anomalies obtained. Portions of the mine were mapped and samples reported. Price \$1.00. For sale by mail from Box 1391, Juneau, and over the counter at the Fairbanks and Anchorage offices. (Available April 15, 1965).

1. The first of these is the fact that the
2. second of these is the fact that the
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1. The first part of the document is a letter from the President of the United States to the Congress, dated January 1, 1861. It is a very important document, as it is the first official communication from the President to the Congress since the inauguration of Abraham Lincoln. The letter discusses the state of the Union and the challenges facing the country at the time.

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group.

[illegible][illegible][illegible]

ROCKS AND MINERALS DEALERS

Our Information Circular No. 9, Dealers in Alaskan Rocks and Minerals, needs revision. To bring it up to date, we would appreciate hearing from all commercial dealers and others who have specimens of Alaskan rocks and minerals for sale who would like to be listed. If you have specialties, or your specimens for sale are limited to certain items (such as jade or garnets) please include this information. Our present information circular contains only eight dealers.

E. AND M.J. METAL MARKET PRICES

	<u>March 29</u> <u>1965</u>	<u>Month Ago</u>	<u>Year Ago</u>
Copper, per lb.	34.¢	34.¢	32.¢
Lead, per lb.	16.¢	16.¢	13.¢
Zinc, per lb.	15.¢	15.0¢	13.¢
Tin, per lb.	171.5¢	155.25¢	134.50¢
Nickel, per lb.	79.¢	79¢	79¢
Platinum, per oz.	\$97-100	97-100	\$88 --
Mercury, per flask	\$475-480	490-505	\$263-273
Antimony ore, per unit	\$7.80-850	7.80-8.50	Not Quoted
Beryllium ore, per unit	Not Quoted	Not Quoted	Not Quoted
Chrome ore, per long ton	\$30-35	30-35	Not Quoted
Molybdenum conc., per lb.	\$1.55	1.55	\$1.40
Titanium ore, per ton	\$23-26	23-26	\$23-26
Tungsten ore, per unit	\$18.75-19.25	17-19	\$16-18
Silver, New York, per oz.	129.3¢	129.3	129.3¢
Silver. U.S. Treasury, per oz.	129.29¢	129.29	129.29¢

In order to have the instructions for the guidance of claim stakers on the back sheet of the claim notice and location certificate, we have allowed a blank sheet which is Page 6.

THE UNIVERSITY OF CHICAGO

[illegible]

THE UNIVERSITY OF CHICAGO

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the YEA medium for 24 h at 28°C. The cell concentration of the strains was adjusted to 10⁸ cells/ml. The cell suspension was mixed with the plant tissue and incubated for 24 h at 28°C. The plant tissue was then cultured on the selective medium. The transformation efficiency was determined as the number of transformants per 100 mg of plant tissue. The data are the mean values of three independent experiments.

[illegible]

1990-1991, 1992-1993, 1994-1995, 1996-1997, 1998-1999, 2000-2001, 2002-2003, 2004-2005, 2006-2007, 2008-2009, 2010-2011, 2012-2013, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023, 2024-2025, 2026-2027, 2028-2029, 2030-2031, 2032-2033, 2034-2035, 2036-2037, 2038-2039, 2040-2041, 2042-2043, 2044-2045, 2046-2047, 2048-2049, 2050-2051, 2052-2053, 2054-2055, 2056-2057, 2058-2059, 2060-2061, 2062-2063, 2064-2065, 2066-2067, 2068-2069, 2070-2071, 2072-2073, 2074-2075, 2076-2077, 2078-2079, 2080-2081, 2082-2083, 2084-2085, 2086-2087, 2088-2089, 2090-2091, 2092-2093, 2094-2095, 2096-2097, 2098-2099, 2100-2101, 2102-2103, 2104-2105, 2106-2107, 2108-2109, 2110-2111, 2112-2113, 2114-2115, 2116-2117, 2118-2119, 2120-2121, 2122-2123, 2124-2125, 2126-2127, 2128-2129, 2130-2131, 2132-2133, 2134-2135, 2136-2137, 2138-2139, 2140-2141, 2142-2143, 2144-2145, 2146-2147, 2148-2149, 2150-2151, 2152-2153, 2154-2155, 2156-2157, 2158-2159, 2160-2161, 2162-2163, 2164-2165, 2166-2167, 2168-2169, 2170-2171, 2172-2173, 2174-2175, 2176-2177, 2178-2179, 2180-2181, 2182-2183, 2184-2185, 2186-2187, 2188-2189, 2190-2191, 2192-2193, 2194-2195, 2196-2197, 2198-2199, 2200-2201, 2202-2203, 2204-2205, 2206-2207, 2208-2209, 2210-2211, 2212-2213, 2214-2215, 2216-2217, 2218-2219, 2220-2221, 2222-2223, 2224-2225, 2226-2227, 2228-2229, 2230-2231, 2232-2233, 2234-2235, 2236-2237, 2238-2239, 2240-2241, 2242-2243, 2244-2245, 2246-2247, 2248-2249, 2250-2251, 2252-2253, 2254-2255, 2256-2257, 2258-2259, 2260-2261, 2262-2263, 2264-2265, 2266-2267, 2268-2269, 2270-2271, 2272-2273, 2274-2275, 2276-2277, 2278-2279, 2280-2281, 2282-2283, 2284-2285, 2286-2287, 2288-2289, 2290-2291, 2292-2293, 2294-2295, 2296-2297, 2298-2299, 2300-2301, 2302-2303, 2304-2305, 2306-2307, 2308-2309, 2310-2311, 2312-2313, 2314-2315, 2316-2317, 2318-2319, 2320-2321, 2322-2323, 2324-2325, 2326-2327, 2328-2329, 2330-2331, 2332-2333, 2334-2335, 2336-2337, 2338-2339, 2340-2341, 2342-2343, 2344-2345, 2346-2347, 2348-2349, 2350-2351, 2352-2353, 2354-2355, 2356-2357, 2358-2359, 2360-2361, 2362-2363, 2364-2365, 2366-2367, 2368-2369, 2370-2371, 2372-2373, 2374-2375, 2376-2377, 2378-2379, 2380-2381, 2382-2383, 2384-2385, 2386-2387, 2388-2389, 2390-2391, 2392-2393, 2394-2395, 2396-2397, 2398-2399, 2400-2401, 2402-2403, 2404-2405, 2406-2407, 2408-2409, 2410-2411, 2412-2413, 2414-2415, 2416-2417, 2418-2419, 2420-2421, 2422-2423, 2424-2425, 2426-2427, 2428-2429, 2430-2431, 2432-2433, 2434-2435, 2436-2437, 2438-2439, 2440-2441, 2442-2443, 2444-2445, 2446-2447, 2448-2449, 2450-2451, 2452-2453, 2454-2455, 2456-2457, 2458-2459, 2460-2461, 2462-2463, 2464-2465, 2466-2467, 2468-2469, 2470-2471, 2472-2473, 2474-2475, 2476-2477, 2478-2479, 2480-2481, 2482-2483, 2484-2485, 2486-2487, 2488-2489, 2490-2491, 2492-2493, 2494-2495, 2496-2497, 2498-2499, 2500-2501, 2502-2503, 2504-2505, 2506-2507, 2508-2509, 2510-2511, 2512-2513, 2514-2515, 2516-2517, 2518-2519, 2520-2521, 2522-2523, 2524-2525, 2526-2527, 2528-2529, 2530-2531, 2532-2533, 2534-2535, 2536-2537, 2538-2539, 2540-2541, 2542-2543, 2544-2545, 2546-2547, 2548-2549, 2550-2551, 2552-2553, 2554-2555, 2556-2557, 2558-2559, 2560-2561, 2562-2563, 2564-2565, 2566-2567, 2568-2569, 2570-2571, 2572-2573, 2574-2575, 2576-2577, 2578-2579, 2580-2581, 2582-2583, 2584-2585, 2586-2587, 2588-2589, 2590-2591, 2592-2593, 2594-2595, 2596-2597, 2598-2599, 2600-2601, 2602-2603, 2604-2605, 2606-2607, 2608-2609, 2610-2611, 2612-2613, 2614-2615, 2616-2617, 2618-2619, 2620-2621, 2622-2623, 2624-2625, 2626-2627, 2628-2629, 2630-2631, 2632-2633, 2634-2635, 2636-2637, 2638-2639, 2640-2641, 2642-2643, 2644-2645, 2646-2647, 2648-2649, 2650-2651, 2652-2653, 2654-2655, 2656-2657, 2658-2659, 2660-2661, 2662-2663, 2664-2665, 2666-2667, 2668-2669, 2670-2671, 2672-2673, 2674-2675, 2676-2677, 2678-2679, 2680-2681, 2682-2683, 2684-2685, 2686-2687, 2688-2689, 2690-2691, 2692-2693, 2694-2695, 2696-2697, 2698-2699, 2700-2701, 2702-2703, 2704-2705, 2706-2707, 2708-2709, 2710-2711, 2712-2713, 2714-2715, 2716-2717, 2718-2719, 2720-2721, 2722-2723, 2724-2725, 2726-2727, 2728-2729, 2730-2731, 2732-2733, 27

MINING CLAIM LOCATION NOTICE

THE NAME OF THE CLAIM IS _____

THE TYPE OF CLAIM (lode or placer) IS _____

THE NAMES AND MAILING ADDRESSES OF THE LOCATORS ARE:

THE DATE OF POSTING THIS NOTICE IS _____

THIS CLAIM IS _____ FEET LONG IN A _____ DIRECTION AND _____

FEET WIDE IN A _____ DIRECTION. THIS CLAIM AND ITS RELATION TO ADJACENT

CLAIMS ARE SHOWN IN MY SKETCH BELOW.

I (we) hereby certify that I (we) have on this date posted this location notice at the northeast corner of the said claim, in the _____ Recording

District of Alaska, approximately _____ ft. (miles) in a _____ direction to _____ (survey monument, land corner, land mark).

The claim is on _____
(Describe the location with respect to a river, stream or tributary; glacier or mountain)

WITNESS (not required)

SIGNED

THE UNITED STATES OF AMERICA

IN SENATE
January 1, 1900
REPORT
OF THE
COMMISSIONER OF THE GENERAL LAND OFFICE
IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE
MAY 1, 1899
RELATIVE TO THE
LANDS BELONGING TO THE UNITED STATES
AND THE
LANDS BELONGING TO THE SEVERAL STATES

As ordered by the Senate, January 1, 1900
Washington: Government Printing Office
1900
Price, 10 cents
For sale by the Superintendent of Documents
Washington, D. C.

ON FEDERAL LAND

A LODE CLAIM may not exceed 1,500 ft. in length nor 600 ft in width. End lines should be parallel.

A PLACER CLAIM may not exceed 1,320 ft. in length nor include more than 20 acres. Usual size is 1,320 ft. by 660 ft. Lines should run north-south and east-west, if practicable.

AN ASSOCIATION PLACER CLAIM (staked by two or more persons) may not exceed 2,640 ft. in length nor include more than 40 acres. Usual sizes are 1,320 ft. by 1,320 ft. or 2,640 ft. by 660 ft.

Any person regardless of age may stake any number of placer and/or lode claims on Federal land, but an alien may not obtain a patent to a mining claim.

ON STATE LAND

LODE CLAIMS and PLACER CLAIMS are identical and are not referred to as such. Only the term "mining claim" is used. A claim may not exceed 1,320 ft. in length nor include more than 40 acres. Usual size is 1,320 ft. by 1,320 ft. Lines should run north-south and east-west.

Any number of claims may be staked by a U.S. citizen at least 19 years of age and by an alien at least 19 years of age if his country gives similar staking privileges to U.S. citizens.

ON EITHER FEDERAL OR STATE LAND

Claim corners, angles on claim lines and witness posts must be wooden posts three feet above ground, squared on four sides; or rock mounds three feet high. Claim lines must be blazed or cleared. Location notice must be posted on the northeast corner of the claim (or on a witness monument to that corner).

Make certain that the description of the location of a claim is as correct as possible. If you should certify that a claim is on the wrong creek, you might lose the claim.

Send two signed copies of the combined location notice and certification to the Deputy Magistrate of the Recording District in which the claim is located, together with a filing fee of \$1.50 for each mining claim. Recording must be done within 90 days after the location notice is posted on the claim.

Except as indicated in the next sentence below, do not attempt to stake a mining claim unless you have made a discovery of a valuable mineral such as a gold, platinum or tin placer or an ore of a precious metal or base metal such as iron, copper, lead, antimony, etc., or a valuable nonmetallic mineral such as asbestos, gypsum, barite, etc. If you have not actually made a discovery but have good reason to believe that one can be made, you may stake a claim and hold it only as long as you diligently attempt to discover valuable mineral. You cannot acquire a cabin site by staking a mining claim.

Mining claims do not give any right to oil, gas, coal or common gravel and stone. Timber rights are limited to what is used on the claim.

MAGISTRATE: DO NOT RECORD THIS SIDE.

SECRET

1. The purpose of this document is to provide information regarding the activities of the [redacted] in the [redacted] area.

2. The [redacted] has been observed in the [redacted] area, and it is believed that it is engaged in [redacted] activities.

3. It is recommended that the [redacted] be monitored closely, and any further activities should be reported immediately to the [redacted] authorities.

4. The [redacted] is a [redacted] organization, and its activities are of a [redacted] nature.

SECRET

5. The [redacted] has been observed in the [redacted] area, and it is believed that it is engaged in [redacted] activities.

6. It is recommended that the [redacted] be monitored closely, and any further activities should be reported immediately to the [redacted] authorities.

SECRET

7. The [redacted] has been observed in the [redacted] area, and it is believed that it is engaged in [redacted] activities.

8. It is recommended that the [redacted] be monitored closely, and any further activities should be reported immediately to the [redacted] authorities.

9. The [redacted] is a [redacted] organization, and its activities are of a [redacted] nature.

10. The [redacted] has been observed in the [redacted] area, and it is believed that it is engaged in [redacted] activities.

11. It is recommended that the [redacted] be monitored closely, and any further activities should be reported immediately to the [redacted] authorities.

12. The [redacted] is a [redacted] organization, and its activities are of a [redacted] nature.