

PROVEN OIL

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Bears Den structure is in the the Sweetgrass Hills, near the Canadian border.

A wildcat well on Dry Forks well started by J. H. Hamilton and others in 1914, in the center of the Sweetgrass Arch, was deepened in 1921 to the base of the Madison or the top of the Devonian. The formations were never definitely identified. However, the Dry Forks well had a greater showing of oil than was found in any of the upper sands.

When Kenneth Frazer drilled a dry hole to the top of the Madison lime in Kevin-Sunburst field in Sec. 17-35-1W in September of the same year he determined to look at the horizon at which he found oil at Bears Den. He drilled to a depth of 3390 feet where he encountered high gravity paraffin base oil. It was accompanied by terrific gas pressure which eventually wrecked the rig and casing. Texas Pacific Coal & Oil company took it over and attempted to straighten it out, but failed.

Texas-Pacific then located a well on its famous State lease in the East pool of Kevin-Sunburst and prepared to test the horizon at which Frazer had twice found oil. The flow of gas which wrecked the Frazer well likewise held up the T. P. deep test and the well has been shut down for more than a year, waiting for the gas head to exhaust itself. It flows periodically with such terrific pressure that it has several times wrecked controls and on one occasion threw a shring of cable tools high over the derrick, wrecking the rig. It is too dangerous to work with cable tools and thus Kevin-Sunburst awaits the rotary to go through this gas horizon to a stratum where high-gravity oil, similar in quality to that found in Turner Valley, is known to exist.

For a rotary, 3500 feet is not "deep drilling," however, it will test the next probable horizon below the top of the Madison lime. With 5,000 feet of drilling, all of the known horizons of commercial oil production are to be found within the Sweetgrass Arch and the Sweetgrass Hills structures.

Reporting the oil from deep wells drilled the State Bureau of Mines in Memoir No. 1 stated: "It is a paraffin base oil, amber in color and with light gravity about 45 degrees. Analysis shows 34 per cent gasoline 35 per cent kerosene, 25 per cent light distillates, and 6 per cent heavy semifluid, paraffin wax....."

"The composition of the Devonian oil, a light oil high in gasoline, indicates that it is not

Hunt "Big One" On North Field "High"

Hunting the "big one" which is sure to be drilled in some day by the operator fortunate enough to find a crevice condition in the "high" of Kevin-Sunburst, Meyers & Johnson are drilling at past 500 feet in their well in 10-34-1W. Possibilities of this region were

revealed some years ago when the Bethal-Adams gasser was completed on a lease about three-quarters of a mile east of the Meyers & Johnson test.

The Bethal-Adams well came in as the greatest gasser ever completed in this state, flowing 78,000,000 cubic feet daily from a crevice in the top of the lime. Somewhere in this same district, operators believe a well will be drilled which will have oil with the same tremendous pressure behind it as was found in the Bethal-Adams.

Another two weeks is expected to determine if Meyer's and Johnson's location is the lucky one.

SAY SINCLAIR NOW CONTROLS RICHFIELD CO.

Henry Lockhart, New York banker, this week announced the sale of the assets of the Richfield Oil company to the Consolidated Oil corporation, a Harry F. Sinclair organization, for approximately \$22,250,000.

Lockhart said the consolidated offer was formally accepted by a committee representing the Richfield bondholders, Pan-American bondholders and unsecured creditors of the Richfield company, which has been in equity receivership. The action complete three months of negotiations.

The offer was accepted two hours before the expiration of the limit set by the Standard Oil Company of California of its original offer of approximately \$17,000,000,000 for Richfield assets.

The Consolidated offer consisted of \$17,500,000 in 6 percent, 15-year Consolidated Oil debentures, \$2,500,000 in cash, 300,000 shares of Consolidated common stock, \$500,000 for committee expenses, and up to \$5,000,000 to satisfy dissenters to the plan.

It was explained the \$22,250,000 figure was based on the assumption that not all the

a residue left behind after the escape of a main body of oil"

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GOLD STOCK

(Continued from Page Seven)

York Stock Exchange—Home-stake Mining and Alaska Juneau—have advanced rather spectacularly and it is notable that gold mining stocks are also attracting a large public following in the nation.

No business is so profitable as gold mining.

TREATMENT

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2. Comparative costs
3. Mine tonnage development
4. Availability of capital for construction.

Small mine operators are inclined to over estimate the tonnage possibilities and to under estimate the first cost of milling equipment. Too much emphasis can not be placed on the advantages of fully developing the ore body before investing in mills which, with change in the character of the ore, are often useless.

FREDERICK C. GILBERT,
Metallurgical Engineer,
Butte, Montana.

and
CARL J. TRAUERMAN,
Mining Engineer
Butte, Montana

July 12, 1932

BOWLES NOW IN BUSINESS FOR HIMSELF

Charles E. Bowles, Montana manager for the Gladys Belle Oil Company during the early days of state oil development and recently publicity director for the Independent Petroleum association, has resigned to open a petroleum publicity office at 1085 Kennedy Building, Tulsa, Oklahoma.

SEND A CONTRIBUTION TO THE SUNBURST BADGER

Haven For Cable Tool Men Found

Until the new Elk Fork pool of West Virginia and the new Matamoras, Ohio, field came into existence recently, it began to look as if the day of the standard, or cable tool driller, was over.

The oil found in the vicinity of the Ohio river, in the extreme western part of the old Appalachian field, and where Pennsylvania grade oil is produced, yields 48 gravity oil, and the wells are drilled with light standard rigs.

News of the discovery of oil in the two areas, separated by the river, caused a trek from Oklahoma and Kansas of hundreds of cable tool drillers, it is learned. The disappearance of the standard tool men was revealed during the past week when contractors began to look about for certain drillers, tool dressers and roustabouts.—Tulsa "Daily World."

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New Map
Cut Bank District

Shows location of wells north of Cut Bank and east of Blackfeet Indian reservation, including Montana Power-O'Neil gassers, Drumheller Discovery well, new Tarrant producer which extended field mile and a half south, and others.

Covers approximately four townships.

Gives initial production or present status of each well.

These maps are approximately 14 by 22 inches in size and cover more than four townships.

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SUPPLY DEPARTMENT

Montana Oil and Mining Journal

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