

Oil Trade Notes

OF INTEREST TO REFINERS AND MARKETERS

Equity Co-operative association oil stations in Phillips county made \$6,474 last year, the annual report shows. Eric Anderson was re-elected president and Ernest Wekander was re-elected secretary-treasurer. Bernal Southwick replaced William Dorn as vice president and Dorn was replaced on the board by Joe Rose of South Wagner. The Equity association has paid \$343,481 in dividends in 21 years. Elmer Hendrick is manager of the elevator and oil station.

The oil industry is waiting for a blow to fall on some refiner, as a result of allegations that 100,000 gallons of road oil used on 50 miles of western Montana highways was of inferior quality. It is indicated that the oil was of paraffin base rather than asphaltic base and its use caused many accidents with the result that the roads must be rebuilt at a cost of \$40,000. The state engineer has announced that when the facts are known "names will be named."

Two Pools in So. Cut Bank May Be Linked

Continued from Page One

Pardue-Tribal 186 No. 2, SW NE1NE4 19-32-5W, is drilling at 2575.

Par Oil-Tribal 200 No. 1, NE NE1 SE1 13-32-6W, is drilling at 535, still driving 10-inch pipe in the old river bed.

Pardue-Tribal 198 No. 1, SE SW1 NE1 13-32-6W, is drilling at 2375.

Pioneer Lumber-Anderson No. 1, NW NE1 NW1 31-32-5W, is drilling at 2050. This well had Colorado shale at 635.

Another Tribal Well Has Oil

Santa Rita-Tribal No. 14, NE NW1 NE1 10-35-6W, seeking a northeast extension to the Lander trend, has a showing of oil at 2915 and has cemented 7-inch casing at 2897.

Texaco-Jones No. 2 C SW1 SE1 6-33-5W, had 75 feet of oil in the hole at last reports at a depth of 2868.

Texaco-Government 078788B No. 1, C NW1 SW1 8-32-5W, is drilling at 2945.

E. BYERS EMRICK
CONSULTING GEOLOGIST
OIL-NATURAL GAS
Examinations, Reports, Appraisals
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Two new locations were announced this week:

Cobb-Texaco-Mueller No. 1 NW NW1 SW1 2-35-6W. It is 2310 feet north of the south line and 324 feet east of the west line of the section. This is the well seeking a further extension to the northeast along the Lander "trend."

Glacier Production-Bonnett No. 7 was spotted in the approximate center of Lot 3, Sec. 4-32-5W, offsetting the recently completed Lookhoff No. 4 producer, a 100-barrel well. It is 4,000 feet north of the south line and 1980 feet east of the west line and has rig up.

Water Pressure Not Lacking East Of Sunburst Town

No lack of hydrostatic pressure is to be claimed for the area east of the town of Sunburst where Shubat & Bosworth are drilling on the Luckenbill farm, in C NW1 SE1 11-36-2W.

They nearly had a flowing water well in two horizons. The first water was at 1155 to 1180 and the second at 1235 to 1250, the water standing 1100 feet in the hole. They are under-reaming their 8-inch casing down to 1260.

Haystack Butte
Montana-Dakota Utilities is coring a sandy shale that may be the Sunburst sand horizon, at 2125 feet, in its Haystack Butte wildcat south of the Sweetgrass Hills. Location is in center NE1 SW1 18-35-4E.

Save a Life—Be a Careful Driver!

Repressuring May Add 2,000-Bbl. Per Acre in Cat Creek Oil Recovery

Repressuring of Cat Creek field has already brought about an increased recovery of about 750 barrels per acre, according to Cat Creek operators who believe repressuring operations will increase the recovery by 2,000 barrels per acre. The field has thus far produced 14,541,702 barrels of 50-gravity oil of a value of \$23,514,231, from an area of slightly over one section—680 acres.

There are now 136 producing wells in Cat Creek of which 116 are on production. Production is coming from the first and second Cat Creek sands in the Kootenai formation of lower Cretaceous. The sand averages 25 feet in thickness. Recovery thus far is 21,393 barrels per acre and the yield is \$34,565 per acre, from present shallow horizons.

Wells on the top of the structure, which is a sharply folded anticline cut by numerous faults, pump off entirely, producing neither oil nor water, although the field initially had enough hydrostatic pressure that wells on the flanks flowed water. Over the 20 years of production, the water pressure has dropped off and repressuring was started in October, 1934, with 11 input wells. The plant is 165-hp. capacity and delivers 209,000 cubic feet at 215 pounds per square inch. Between 920,000 to 1,000,000 cubic feet is required to establish the cycle. Repressuring affects 350 acres and the field is still holding up to around 470 barrels per day.

Drilling depth is from 1,160 to 1,500 feet and no test is known to have been drilled deeper than the top of the Ellis (Jurassic) within the producing area. The east or Mosby dome, which has always produced water in all horizons tested, now has a deep test drilling, the California company having taken over Arro Oil & Refining company's deep test which was carried to the top of the Madison lime. The Standard expects to log the formations to the Devonian. All sands thus far are said to have carried water, as do the Cat Creek sands, and uniform results are generally expected in the lower formations.

TOOLE COUNTY

Toole County Abstract Company

SHELBY, MONTANA

ASSIGNMENT OF ROYALTY
G. E. Gallogly to Vine D. Lord, 1/4 of 1/4 of NE1/4NW1/4, 35, SE1/4SW1/4, NE1/4SW1/4, 28-37-3 West.

H. E. Gusa to Tobias C. Miller, 1/4 of 1/4 of NE1/4SW1/4, 30-35-2 West.

OIL AND GAS LEASE
Floyd A. Barber to Sarah F. MacHale, N1/4, 5-33-1 West.

ASSIGNMENT OF OIL AND GAS LEASE
Sarah F. MacHale to Montana-Dakota Utilities Co., N1/4, 5-33-1 West.

Sarah F. MacHale to Montana-Dakota Utilities Co., N1/4, 5-33-1 West.

1941 (except lease covering the SE1/4, 24-34-3 West); also lease covering the NE1/4NE1/4, SE1/4NE1/4, 6-33-1 East.

AGREEMENT
William Warner and Clarence B. Smith to Michael M. King, NW1/4NW1/4, 30-35-2 West.

Texas Pacific Coal & Oil Co., "First parties" and Stephen J. Crowley et al., "Second parties," and Homestead Exploration Corporation, Third party, NE1/4NE1/4, SW1/4NE1/4, 21, NE1/4NW1/4, 22, SE1/4NW1/4, 23-35-2 West.

LIS PENDENS
Gonken-Galambas Supply Co., v. Petroleum Refining Corporation, et al. Foreclose mortgage on N1/4SE1/4SW1/4, and portion of N1/4SW1/4SE1/4, lying west of G. N. Railway, all in Sec. 27-32-2 West.

MORTGAGE
Maurice G. Ramsey to Mountain States Bldg. & Loan Association, Lot 1 & E 20' of Lot 2, Blk. 117, Zimmerman's 1st Add. to Shelby.

CORRECTION ASSIGNMENT OF ROYALTY
John W. Broadwater to Harry H. Weider, 1/4 of 1/4 of W1/4, 31-34-1 West.

AMENDMENT TO AGREEMENT AND LEASE
Agnes Maud Davis to J. R. Neidels & R. O. Parrent, All of Sec. 3-35-2 West.

NOTICE OF TAX LIEN
United States vs. Pacific National Company, All property.

United States vs. Petroleum Refining Corporation, All property.

United States vs. Pacific National Oil Inc., All property.

United States vs. Pacific National Co., All property.

GLACIER COUNTY

By Glacier County Abstract Co.

CUT BANK, MONTANA

RATIFICATION OF OIL AND GAS LEASE
H. Walter Halvorsen et ux. to Arthur Kately, SW1/4 Sec. 25-35-4.

ASSIGNMENT OF ROYALTY
H. E. Gusa, Agent, to E. J. Ward, 1/4 of 1/4 of W1/4, 31-34-1 West.

William M. Hanlon, Agent—Ruby Williamson well No. 3, in Lot 9 Sec. 7-32-5.

RAY A. FRETZ

CERTIFIED PUBLIC ACCOUNTANT

GENERAL PUBLIC ACCOUNTING

OIL — MINING — TAX MATTERS

PHONE 8885

416 First National Bank Building

GREAT FALLS, MONTANA

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Mr. and Mrs. Blakemore

PONDERA COUNTY

By Pondera County Abstract Co.

CONRAD, MONTANA

DEEDS AND ASSIGNMENTS OF ROYALTY
G. E. Gallogly to Joseph Behler, 11/32 of 1/4 of 1/4 of NE1/4NW1/4, SW1/4NE1/4, NW1/4SE1/4, Sec. 34-28-5 West.

P. B. Haber Investments Inc. to G. E. Gallogly, 11/32 of 1/4 of 1/4 of NE1/4NW1/4, SE1/4NW1/4, NW1/4SE1/4, Sec. 34-28-5 West.

P. B. Haber Investments Inc. to G. E. Gallogly, 11/32 of 1/4 of 1/4 of NE1/4NW1/4, SE1/4NW1/4, NW1/4SE1/4, Sec. 34-28-5 West.

G. E. Gallogly to George F. Dannenhauer, 11/32 of 1/4 of 1/4 of NE1/4NW1/4, NE1/4SW1/4, NW1/4SE1/4, Sec. 34-28-5 West.

Arthur V. Farrar and Hazel B. Farrar to Monarch Lumber Co. To Secure \$2892.91, SE1/4, 10, NE1/4NW1/4, NE1/4, 10-20-1 East.

Albert Ellander and Paula Ellander to Land Bank Commissioners, To Secure \$2,000.00, SW1/4, W1/4SE1/4, Sec. 10, E1/4W1/4, N1/4NE1/4, Sec. 15, SW1/4NW1/4, Sec. 14-28-3 W.

E1/4NE1/4, SW1/4NE1/4, Sec. 14-28-3 W.

NE1/4SE1/4, Sec. 10, NE1/4NE1/4, Sec. 9-28-9 W1/4SE1/4, NE1/4SW1/4, SW1/4NE1/4, E1/4SE1/4, NW1/4SE1/4, NE1/4NE1/4, Sec. 2, N1/4NW1/4, Sec. 11-28-9 W1/4NW1/4, W1/4SW1/4, Sec. 15, SE1/4NE1/4, E1/4SE1/4, 16-28-9.

FALLON COUNTY

By Fallon County Abstract Co.

BAKER, MONTANA

RELINQUISHMENT GAS PURCHASE CONTRACT
Montana-Dakota Utilities Co. to John G. Westrope et ux. Dated May 6, 1941, 9 Misc. 241, 9 Misc. 294, 8 1/2 Sec. 10, NE1/4, S1/4 Sec. 14, N1/4NE1/4, NW1/4SW1/4, Sec. 28, E1/4, NW1/4NW1/4, S1/4NW1/4, Sec. 24, S1/4, NE1/4.

RELEASE OF OIL AND GAS LEASE
Cedar Creek Oil & Gas Company to Paul E. Hubbard et ux. Dated June 17, 1941, SE1/4NE1/4, Sec. 6, 6N, 60E, 7 Misc. 379.

ASSIGNMENT OF BONDS, DELAY, RENTALS & ROYALTIES
Samuel D. Nofsker et ux. to B. Kesselring et ux. Dated June 5, 1941, \$1,000, L. S. Youngblood lease S1/4NW1/4, SW1/4NE1/4, N1/4SW1/4, N1/4SE1/4, Sec. 8, 3N, 60E.

BOWDOIN HOOKS 18 WELLS ONTO NEW GAS LINE

The first six months of the present year saw the development of an initial volume of 10,000,000 cubic feet of gas in 18 completed wells on Bowdoin dome. These wells were drilled by Montana-Dakota Utilities Co., all getting production at around 1,000 feet in volume varying from 175,000 cubic feet to 857 cubic feet per day.

This gas is for the newly constructed Bowdoin extension which couples onto the Baker-Glendive line and a volume of around 2,000,000 cubic feet is now being run from Bowdoin.

Following is a list of completions and the initial production of each:

No. 617 C SW1 SW1 4-32-33E 837 M cubic feet.

No. 618 C SW1 SW1 3-32-33E 710 M cubic feet.

No. 619 C SW1 SW1 2-32-33E 785 M cubic feet.

No. 620 C SW1 SW1 1-32-33E 560 M cubic feet.

No. 623 C NE1 NE1 34-32-33E 458 M cubic feet.

No. 635 C NE1 NW1 25-32-34E 324 M cubic feet.

No. 636 C NE1 NE1 25-32-34 396 M cubic feet.

No. 637 C Lot 5, Sec. 24-32-34E 802 M cubic feet.

No. 638 C Lot 2, Sec. 19-32-33E 734 M cubic feet.

No. 639 C SW1 SW1 11-32-34E 416 M cubic feet.

No. 640 C SE1 NE1 8-32-34E 362 M cubic feet.

No. 641 C SW1 SE1 5-32-34E 339 M cubic feet.

No. 645 C NE1 NE1 15-31-34E 768 M cubic feet.

No. 646 C NE1 NE1 23-31-34E 734 M cubic feet.

No. 647 C NW1 SE1 12-31-34E 824 M cubic feet.

No. 648 C SE1 NW1 6-31-35E 175 M cubic feet.

No. 663 C SE1 SW1 33-33-33E 560 M cubic feet.

No. 664 C SW1 SW1 22-33-33E 196 M cubic feet.

Wells are being completed at the rate of about one per week. The holes are spudded to 100 feet with cable tools and light rotary is used to complete, requiring about five or six days per well.

MAGNESIUM PLANT
WASHINGTON—Secretary Ickes announced today the chemical engineering division of the Todd-California Shipbuilding Corp. proposed to construct a 12,000-ton magnesium plant in the Bonneville-Grand Coulee region of the Pacific northwest.

Sidelights of Industry

Petrowar—

While petroleum fuels and lubricants keep military tanks and trucks on the job, an army of petroleum hydrocarbon compounds is being mobilized for the less spectacular but none the less essential work of furnishing other strategic industries with raw materials.

Low in cost and wide in variety, these versatile compounds of carbon and hydrogen, the building blocks from which petroleum is made, are furnishing aviation with super-fuels, munition industries with alcohols, acetone and other solvents, explosive makers with toluol and, in the near future, should the need arise, they will supply Uncle Sam's motorized army with synthetic rubber.

Paralleling the development of these essential "by-products," the petroleum industry is producing low-cost raw materials for plastics, the tough, synthetic substitutes for wood and metal, which overnight are finding new uses in the freeing of strategic materials for defense and in the fabrication of the weapons and machines of war.

Manufacturers faced with a shortage in a vital raw material commandeered for army use are turning to plastic substitutes compounded from the oil-refinery gasses, formerly used as furnace fuel. Equally adapted to the needs of peace or war, plastics made with oil derivatives are easily molded and machined and are comparatively light in weight. They find innumerable uses because of their non-corrosive, non-inflammable, rust and shock resistant qualities. They are non-conductive to electricity.

Planned That Way—

None of these commodities which has become so vitally essential was the result of chance findings in petroleum laboratories. Development was made possible by the amazing progress which has taken place in the refining and fractionating of petroleum.

The endless possibilities of petroleum in the chemical field revealed by the technological research which has produced the fuels and lubricants of today, resulted also in the commercial development of oil plastics in the early twenties. Ethylene and propylene, gasses produced in the refining of petroleum, were the basis for plastic materials which appeared on the market in a continual stream after 1930.

Substitute Substitutes—

Ethylene, first used in Germany for the production of plastic materials, was synthesized from coal, lime and water, since petroleum was not generally available. In the United States, where supplies of petroleum and natural gas are abundant, American chemists found raw materials at hand. They increased in variety as the technique of refining swiftly progressed. Ethylene today is the basis for a molding composition from which hundreds of varied plastics ranging from tableware to transparent wrappings are processed.

With propylene, another refinery gas, ethylene is the associated basic ingredient in methyl methacrylate, a composition used widely in place of glass for automotive accessories and for household furnishings and decoration. Other molding compositions synthesized from ethylene are polystyrene, used in electrical applications, and polyvinylidene chloride. Some of the qualities of metals, plastics and textiles.

NOTICE TO CREDITORS

Estate of ALBERT WARD, Deceased. NOTICE IS HEREBY GIVEN by the undersigned Administrator of the Estate of Albert Ward, Deceased, to the creditors of and all persons having claims against the said Deceased, to exhibit them with the necessary vouchers, within four months after the first publication of this notice, to the said Administrator at the office of R. K. West, 305-306 First National Bank Bldg., Great Falls, Mont., the same being the place for the transaction of the business of said estate in the County of Cascade.

Dated July 2, 1941.

ERNEST PFISTER, Administrator of the Estate of Albert Ward, Deceased.

R. K. WEST, Attorney for Administrator, 305-306 First National Bank Bldg., Great Falls, Montana.

Date of first publication July 5, 1941 4x.

HAVE PLENTY OF OIL

Talk of a shortage of oil among the axis partners is denied by Louis E. Frechling in a paper on "Oil and the War" published by the Foreign Policy Association of New York. He states that Germany has enough oil to carry on the war, without capturing Russian fields, and Japan, getting more oil than needed for current consumption, is accumulating huge stocks.

OPPORTUNITIES

Herein are listed some of the best bargains to be found today in Montana's Oil Fields and Mining Districts. In this column are found the items that escape the casual reader—Rates: 25c per line—6 Average Words to Line. Enclose cash with order, to insure publication in next issue.

OIL

FOR SALE—Oil refinery and going concern in a prosperous community, small capital required. Warner Oil Refinery, Warner, Alberta.

OPERATORS and geologists may avail themselves of the use of the Montana Oil and Mining Journals geological library, which has the largest collection extant of U. S. G. S. State and private reports on Montana oil and mining geology. Since many of these reports are out of print, copies will be furnished of reports, together with maps, on a moderate folio charge through the Supply Department, Montana Oil and Mining Journal, First National Bank Building, Great Falls, Montana.

Maps, plats, leases, contracts copied by photo offset or photostat. Write or your problem. The Mailing Shop, Great Falls, Mont. 9-24-41

FOR SALE—Oil & Gas Leases and Royalties in the vicinity of the Carter Oil Company well in the Cedar Creek Anticline, Eastern Montana. P. O. Box 1318, Billings, Montana. 6-21-x

CHOICE leases for sale on structure highly recommended by reputable geologist. Well now being drilled. Contact R. H. Lent, Box 115, Boise, Idaho. 7-5-d.

tiles are found in polyvinylidene chloride. Its largest use is in safety glass for automobiles and airplanes. Vinyl resin products do a gross business of 12 to 15 million dollars a year. About 50 percent of the plastics developed within the last 10 years are in this group.

More and More—

Over a period of eight years plastics fabricated from petroleum and other products have shown a 25-fold gain, as compared with an approximate six-fold increase in coal-tar resins over the same period. Chemists have discovered that with no other single raw material can such a widely versatile range of products be obtained as with the basic constituent petroleum.

Practically all of the synthetic and rubber products known today could be synthesized from petroleum and natural gas. Currently, they are playing a large part in the manufacture of such widely diversified materials as methyl cellulose, vinyl chloride and vinyl acetate, propylene chloride resins, the polyethylene plastics and the polyisobutylene synthetic rubbers. The number of solvents, plasticizers, and waxes chemically possible from petroleum is fully as large as the number of plastics and synthetic rubbers themselves.

Plastic Planes—

Not long ago, a plane with a plywood-plastic fuselage made a trial test flight. It promises new speed in fabrication, estimated at 20 fuselages a day per mold and equal speed in repairs. Streamlined contours free from rivets contribute toward superior performance. Plastic gas mask lenses are being used by men in training. For military appliances and fittings where resistance to the detonation of heavy guns and high explosive charges is of primary importance, army and navy specifications call for plastics.

Recognizing the new metal shortage, electrical companies are developing a refrigerator made of plastic sides and top mounted on a metal frame. Manufacturers estimate that 4,000,000 pounds of aluminum can be saved yearly by using plastics for ice-cube trays. It is believed, also, that large quantities of the scarce metals can be placed in reserve by a far greater use of plastics in household and business appliances, utensils and novelties.

Plastic Future—

Although the bulk of the plastics business today is in the staple rather than specialty class, chemists are certain that the majority of products now being made of raw wood and metal are bound to give way, for many purposes, to strong, tough resplendent synthetics. Plans for national defense are encouraging an already thriving plastics industry.

Post-war motorists will probably ride in automobiles with plastic bodies, furnish their homes with plastic chairs and tables, sleep beneath blankets of synthetic materials and dress in fabrics that came neither from the field nor an animal's back. And each and every article can trace its origin back to an oil well!

G. R. COLWELL

ACCOUNTANT AND AUDITOR

No. 9 Thisted Bldg.

Phone 8841 Great Falls, Mont.

TOOLE COUNTY ABSTRACT COMPANY

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