

CRUDE PETROLEUM

Great Oil Producing Belt From Olean, N. Y., to Point Pleasant, W. Va.

THE WHITE SAND OIL POOLS

Which Produce the Best Oil, Lie Within This Belt—Surface Indications, as Shown by Exposures of Sand Rock in the Anticlinal Axes Are Regarded as the Best Guide to the Prospector—The Great Sistersville Field.

Chicago Times-Herald: Crude petroleum has advanced more than 40 cents per barrel in the last three months, and the predictions in oil circles are for still further advances.

Official figures show that the Standard company and other large holders of crude oil are drawing heavily on their reserves despite the fact that there are more wells being drilled than at any other time in the history of the trade.

An advance of 5 cents per barrel in the crude product is counted equal to an advance of one-eighth cent per gallon in the refined.

Coming now to the geological, as differing from the mechanical, improvement, one finds that the first illusion to be dispelled was that oil might be found anywhere and at any level.

For the purpose before us we will leave aside the irregular oil bearing limestone of Ohio, Indiana, Kansas and other localities, producing a cheap grade of oil which is of little use except as fuel, and confine ourselves to the regular sandstone formations bearing the high-grade petroleum known as "Pennsylvania oil."

A line starting at Olean, N. Y., and ending at Point Pleasant, W. Va., with an extreme width of fifty miles on each side, constituted what can properly be called the "white sand oil pools" of the country.

While the territory so described constitutes the general belt, let it not be supposed that the greater part of this territory is productive. At intervals of ten, twenty, sometimes fifty miles, an important field has been discovered, with an occasional small field between these.

How then are these productive areas discovered and the non-productive avoided? Geology has without doubt been of great assistance to the producer in the pursuit of his business, not so much in a positive as in a negative sense.

The most noted of these is the great Washington anticlinal, and even the inexperienced eye gazes with wonder at the jagged masses of rock tilted at a peculiar angle, visible at the entrance to the McDonald field.

BEECHAM'S PILLS Improve the general health. 10 cents & 25 cents.

The Cure that Cures Coughs, Colds, Grippe, Whooping Cough, Asthma, Bronchitis and Incipient Consumption, is OTTO'S CURE

ped by human ingenuity has wrought its greatest freak. To the expert it does not seem possible that for thirty years the spot was passed by when every sign outwardly visible pointed to the existence of great oil or natural gas deposits in the immediate vicinity.

These two products of nature, oil and gas, are so intimately associated that they are practically inseparable. They are found in the same belt, in the same sandstone deposits and under identical conditions.

It can be seen that previous to such knowledge as could be obtained through geology and experience the locating of a well must necessarily have been a mere matter of guess work.

The great oil fields of the first thirty years were those of Venango, McKean and Butler counties, in northwestern Pennsylvania, and with the exception of that of Bradford, in McKean county, they were all badly "spotted."

In the last ten years the McDonald field, about fifteen miles west of Pittsburgh, has had no rivals in the size of its wells and in that respect far surpassed anything discovered before.

The process of "shooting" or torpedoing wells consists in lowering into the well a shell containing from ten to one hundred quarts of nitroglycerin at the depth of the sand, after which it is exploded, shattering the rock and creating a large "cave" or exposed surface in the rock.

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In the Sistersville field very little "shooting" was done, the sand being usually of a loose formation and the presence of water along with the soil rendering the process of shooting much more difficult.

The discovery of this field was of a most peculiar character. Early in 1890 a poor man by the name of Mooney, who had saved a little money by hard work as a helper on drilling wells,

Though very few wells flowed in this field, almost all having to be pumped, owing partly to the salt water, they were very uniform and of good size, from fifty to 500 barrels a day.

Flower mission and the Children's aid society distributed among eight hundred children gifts of hoods, scarfs, gloves, mittens, handkerchiefs, books, etc. The various organizations were materially aided in their work by the public.

LAWTON FUND.

Generous Responses May Swell the Sum to \$50,000. WASHINGTON, D. C., Dec. 25.—The total subscription to the Lawton fund up to noon of Christmas day, was \$14,229.55.

It is proposed to continue active work in raising funds during the present week and it is probable that the subscription list will be kept open until the return of Mrs. Lawton to this country.

It is not at all improbable that the fund will eventually reach the proportion of \$50,000. The original intention was to raise only a fund sufficient to pay off the mortgage of about \$5,000 on the Lawton homestead at Redlands, Cal.

Secretary Root and Adjutant General Corbin sent personal appeals to about 150 bankers and business men in New York, with the result of a large increase to the fund.

CHRISTMAS OBSERVANCE

In New York, Washington and Philadelphia Was Characterized by a Practical Exemplification of the Christian Grace of Charity. NEW YORK, Dec. 25.—Church bells and music, feasting, matinees and happiness generally were the features of to-day's celebration.

The newboys came in for their share of good things at Brace memorial hall and various other places. Every Sunday school in the city either has had its Christmas tree or will have its festivities to-night or some time this week.

Owing to Christmas having fallen on Monday, an opportunity was afforded people to leave town, and many took advantage of the occasion. It is reported by the railroads that the out-of-town travel on Saturday was unprecedented, and the incoming traffic of country visitors seems to have been as great.

At the theatres it is reported that the demand for seats exceeds that of last year and Christmas performances seem to be as popular now as the proverbial pantomime of years ago in England.

WASHINGTON, D. C., Dec. 25.—Christmas day, always quiet at the nation's capital, was unusually so this year. All of the executive departments are closed, and practically all the members of both branches of Congress are out of the city.

PHILADELPHIA, Pa., Dec. 25.—Christmas in this city witnessed as never before the fruits of charity. The destitute received food and clothing, the sick were given medical attention, and poor children were rendered happy by gifts of necessities, sweetmeats and knickknacks.

The American volunteers furnished dinners in a similar way to about 500 poor children, and the Protestant Episcopal city mission fed about 1,000 individuals. Other religious organizations and the various diet kitchens took care of a large number of needy persons.

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PLUMBING, ETC.

WM. F. C. SCHNELLE, Plumbing, Gas and Steam Fitting. Dealer in all goods pertaining to the trade. 212 Main Street, Wheeling, W. Va. Telephone 3.

ROBERT W. KYLE, Practical Plumber..... Gas and Steam Fitter. No. 115 Market Street.

WM. HARE & SON, Practical Plumbers, Gas and Steam Fitters. No. 23 Twelfth Street.

TRIMBLE & LUTZ COMPANY, Plumbing and Gas Fitting, Steam and Hot Water Heating.

A FULL LINE OF THE CELEBRATED SNOE STEAM PUMPS.

BEST HOTELS IN THE STATE. RAKIN HOUSE, New Martinsville, W. Va. Home for Commercial and Oil Men.

HOTEL MOREY, Middlebourne, W. Va. First-Class Livery Attached.

SKINNER'S TAVERN, At Depot, Fairmont, W. Va. Sample Rooms Opposite New Court House.

WATSON HOTEL, Harrisville, W. Va. Good Accommodations. Livery.

STEAMERS.

FOR CINCINNATI, LOUISVILLE, VINCENNES, OHIO, NASHVILLE, ST. LOUIS, MEMPHIS, NEW ORLEANS, and intermediate points take the new and palatial steamers of the Pittsburgh & Cincinnati Line, leaving wharftop, foot of Twelfth street, as follows:

Steamer VIRGINIA—T. J. Calhoun, Master; B. H. Kerr, Purser. Every Sunday at 8 a. m.

Steamer KEYSTONE STATE—Charles W. Knox, Master; Will D. Kimble, Purser. Every Tuesday at 8 a. m.

Steamer QUEEN CITY—Robert R. Agnew, Master; Daniel M. Lacey, Purser. Every Thursday at 8 a. m.

RAILROADS.

Cleveland, Lorain & Wheeling RAILWAY COMPANY. Schedule in effect November 19, 1899. Central Standard Time.

Table with columns for Main Line, a.m., p.m., and destinations like Bellaire, Bridgeport, Massillon, etc.

Table with columns for Lorain Branch, a.m., p.m., and destinations like Lorain, Elyria, Massillon, etc.

Table with columns for Main Line, a.m., p.m., and destinations like Cleveland, Brooklyn, Lester, Medina, etc.

Table with columns for Lorain Branch, a.m., p.m., and destinations like Lorain, Elyria, Massillon, etc.

Electric cars Bridgeport to Wheeling, Bellaire and Martin's Ferry. Consult agents for best routes and lowest rates to all points.

BALTIMORE & OHIO RAILROAD.

Departure and arrival of trains at Wheeling, Eastern Time. Schedule in effect November 19, 1899.

Table with columns for From Wheeling to Grafton and Cumberland, etc., and arrival times.

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THE MONONGAHIA ROUTE is THE Short Line between Fairmont and Clarkburg. Quick Time—Fast Train—Sure Connections. When traveling to or from Clarkburg or West Virginia, and Pittsburgh railroad points, see that your tickets read via the Monongahia River Railroad.

ALL KINDS OF PLAIN AND FANCY Printing. An entire new line of samples of Ball Programmes, Tickets and Invitations at all prices at the Intelligence Job Printing Office.

WHEELING & ELM GROVE ELECTRIC RAILWAY

Cars will run as follows, city time: WHEELING TO ELM GROVE. Leave Wheeling, Leave Elm Grove, etc.

RAILWAY TIME CARD.

Arrival and departure of trains on and after Nov. 18, 1899. Explanation of Reference Marks: *Daily, †Daily, except Sunday, ‡Daily, except Saturday, §Daily, except Monday, ¶Daily, except Sunday and days only, Eastern Standard Time.

Depart. B. & O.—Main Line East. Arrive. 12:25 am Wash., Bal., Phil., N.Y. 12:30 am Wash., Bal., Phil., N.Y. 12:35 am Wash., Bal., Phil., N.Y.

Depart. B. & O.—C. & P. Div. West. Arrive. 12:25 am Wash., Bal., Phil., N.Y. 12:30 am Wash., Bal., Phil., N.Y. 12:35 am Wash., Bal., Phil., N.Y.

Depart. P. C. & St. L. Ry. Arrive. 12:25 am Wash., Bal., Phil., N.Y. 12:30 am Wash., Bal., Phil., N.Y. 12:35 am Wash., Bal., Phil., N.Y.

Depart. C. & P.—Bridgeport. Arrive. 12:25 am Wash., Bal., Phil., N.Y. 12:30 am Wash., Bal., Phil., N.Y. 12:35 am Wash., Bal., Phil., N.Y.

Depart. C. L. & W.—Bridgeport. Arrive. 12:25 am Wash., Bal., Phil., N.Y. 12:30 am Wash., Bal., Phil., N.Y. 12:35 am Wash., Bal., Phil., N.Y.

Depart. W. & I. E. Ry. Arrive. 12:25 am Wash., Bal., Phil., N.Y. 12:30 am Wash., Bal., Phil., N.Y. 12:35 am Wash., Bal., Phil., N.Y.

RAILROADS.

Pennsylvania Stations. Trains Run by Central Time as follows: *Daily, †Daily, except Sunday, ‡Daily, except Sunday only.

Ticket Offices at Pennsylvania Station on Water street, foot of Eleventh street, Wheeling, and at the Pennsylvania Station, Bridgeport.

SOUTHWEST SYSTEM—PAN HANDLE ROUTE.

Table with columns for From Wheeling to Wellsburg and Steubenville, etc., and arrival times.

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From Bridgeport to Fort Wayne and Chicago... 4:40 p.m. 4:45 p.m. Canton and Toledo... 4:40 p.m. 4:45 p.m.

Alliance and Cleveland... 4:40 p.m. 4:45 p.m. Steubenville and Pittsburgh... 4:40 p.m. 4:45 p.m.

Fort Wayne and Chicago... 4:40 p.m. 4:45 p.m. Canton and Crestline... 4:40 p.m. 4:45 p.m.

Alliance and Cleveland... 4:40 p.m. 4:45 p.m. Steubenville and Wellsville... 4:40 p.m. 4:45 p.m.

Wellsville and Pittsburgh... 4:40 p.m. 4:45 p.m. Toronto and Pittsburgh... 4:40 p.m. 4:45 p.m.

Baltimore and Washington... 4:40 p.m. 4:45 p.m. New York and Washington... 4:40 p.m. 4:45 p.m.

Parlor Car Wheeling to Pittsburgh, Central time p. m., and 6:35 p. m. train, Central (One hour slower than Wheeling time).

J. G. TOMLINSON, Passenger and Ticket Agent. Agent for all Steamship Lines.