

List of Articles re: North Pipeline

“Standard Oil Starts Work on Pipe Line,” Bismarck, N.D., Aug. 17, 1953,  
*The New York Times*

“Standard Oil’s New Refinery Dedication Set,” Aug 5, 1954,  
*Chicago Daily Tribune*

“Standard Oil to Dedicate New Refinery,” Mandan, N.D., Oct. 1, 1954,  
*Chicago Daily Tribune*

“Refinery is Ready for Williston Oil,” by J. H. Carmical, October 3, 1954,  
*The New York Times*

“OIL: Refinery for Williston,” Oct. 11, 1954,  
*Time*

# Standard Oil Starts Work on Pipe Line

Bismarck, N. D., Aug. 17 [Special]—A 205 mile petroleum products pipe line, said to be the first of its kind in North Dakota, has been started by Standard Oil company [Indiana], R. E. Nelson, Chicago, general manager of the company's crude oil supply and products pipe lines, said today.

Nelson, who spoke at a meeting of the North Dakota Oil and Gas association, said the 10½ inch diameter line will run from Mandan, N. D., to Moorhead, Minn. It will provide an outlet for crude oil from the Williston basin which will be processed in the refinery Standard is building at Mandan.

#### Plan December Completion

The new line is scheduled to be completed next Dec. 1 and from then until the refinery is finished, temporary pumping facilities at the Moorhead terminal will move products westward thru the line to Mandan. When the refinery is completed, about October, 1954, the flow will be reversed, and products will move from the refinery to market.

The line will carry gasoline, kerosene, heater oil, furnace oil, power fuel, and diesel fuels. It will connect with Standard's other products pipe lines in eight midwestern states and provide greater flexibility in the company's distribution system. Its completion will bring the total length of Standard's products pipe lines to 2,174 miles.

Nelson said the line will provide improved service in the North Dakota and Minnesota consuming areas. It also is designed to meet military needs.

#### Safety Is Emphasized

Safety precautions are being emphasized in the construction of the line. Pipe to be used is subjected to pressures far higher than it will be exposed to during operation.

During construction pipe is welded together and given an additional pressure test to insure against leaks. The pipe line will be patrolled by airplane to supplement the work of a ground maintenance crew.

Nelson said the Williston basin is destined to become one of the important producing provinces in the world with the possibility of crude oil producing capacity reaching a half million barrels a day in 15 years.

## STANDARD OIL'S NEW REFINERY DEDICATION SET

*Chicago Daily Tribune* (1872-1963); Aug 5, 1954;

ProQuest Historical Newspapers Chicago Tribune (1849 - 1986)

pg. D5

# STANDARD OIL'S NEW REFINERY DEDICATION SET

Standard Oil company [Indiana] announced yesterday that it will dedicate its new 30,000 barrel a day refinery at Mandan, N. D., Oct. 2. Gov. Brunsdale of North Dakota will give the dedicatory address.

The refinery is North Dakota's newest and largest industrial plant. It is regarded as the key economic link needed to open the first big market for the new supply of crude oil discovered in the North Dakota section of the Williston basin in 1951.

Pipe lines will carry the crude oil to the refinery from the oil fields. Products will be shipped from the refinery to market by rail, truck, and pipe line.

The products pipe line serving the refinery is a new 200 mile line thru Jamestown and Fargo, N. D., to Moorhead, Minn.,

<http://pqasb.pqarchiver.com/chicagotribune/access/505774112.html?FMT=AI&did=505774112:505774112&FMTS=AI:CITE&type=historic&date=Aug+05%2C+1954&author=&pub=Chicago+Tribune&desc=STANDARD+OIL%27S+NEW+REFINERY+DEDICATION+SET>

## STANDARD OIL TO DEDICATE NEW REFINERY

*Chicago Daily Tribune (1872-1963); Oct 2, 1954;*

ProQuest Historical Newspapers Chicago Tribune (1849 - 1986)

pg. B5

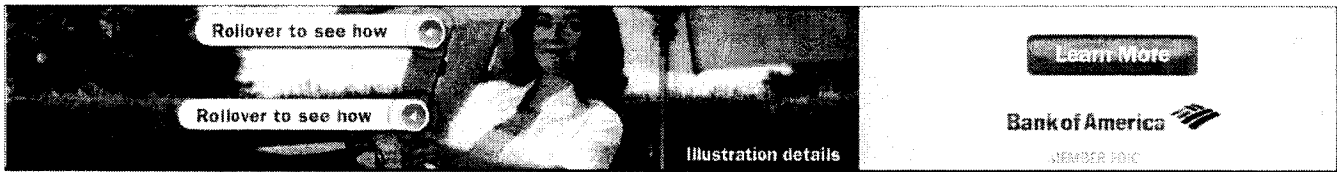
# STANDARD OIL TO DEDICATE NEW REFINERY

Mandan, N. D., Oct. 1 [Special]—Dedication of the first complete refinery to be built by Standard Oil company [Indiana] in nearly 50 years will be held one and a half miles north of here tomorrow morning.

The event will climax a four day celebration by residents of Mandan and Bismarck, 5 miles east of here. Gov. Brunsdale of North Dakota will deliver the dedicatory address. Taking part in the ceremony will be Dr. Robert E. Wilson, Standard chairman; A. W. Peake, president, and other company officials.

Capacity of the new refinery, the first built to process Williston basin crude oil, is 30,000 barrels a day. Oil was discovered in the basin in 1951. Its reserves have been estimated as high as 2½ billion barrels.

<http://pqasb.pqarchiver.com/chicagotribune/access/515336732.html?dids=515336732:515336732&FMT=CITE&FMTS=CITE:AI&type=historic&date=Oct+02%2C+1954&author=&pub=Chicago+Tribune&desc=STANDARD+OIL+TO+DEDICATE+NEW+REFINERY&pqatl=google>



Back to Article    Click to Print



Monday, Oct. 11, 1954

# OIL: Refinery for Williston

Deep in the Williston Basin at Mandan, N. Dak. last week, Standard Oil of Indiana started production at the basin's first oil refinery, a \$30 million giant that was as welcome to North Dakota as the first railroad. At capacity, Standard Oil's refinery will crack 30,000 bbls. of crude oil a day, give the Williston Basin its first local outlet for its oil. Though the basin holds one of the biggest oil pools in the U.S., its development has been hampered by lack of means to get the oil to market. The 445 wells already producing in the U.S. portion of the basin have never flowed at more than 15,000 bbls. a day. With the new refinery, production can be doubled and the products sent through Standard's pipeline to the Midwest.

Click to Print

### Find this article at:

<http://www.time.com/time/magazine/article/0,9171,936474,00.html>

Copyright © 2009 Time Inc. All rights reserved. Reproduction in whole or in part without permission is prohibited.

[Privacy Policy](#) | [Add TIME Headlines to your Site](#) | [Contact Us](#) | [Customer Service](#)

# REFINERY IS READY FOR WILLISTON OIL

Indiana Standard Dedicates  
First Major Facility of Its  
Kind in North Dakota

PIPELINES GO TO AND FRO

\$25 Million Plant Built With  
Eye to Expansion—Initial  
Capacity 30,000 Barrels

By J. H. CARMICAL

The first major oil refinery in North Dakota was dedicated officially yesterday.

Built by the Standard Oil Company (Indiana) at a cost of \$25,000,000, it will refine crude oil produced in the Williston Basin, giving that area its first important market outlet. The discovery well in the basin was completed in the spring of 1951.

Indiana Standard officials more than two years ago determined to build a refinery in the Williston Basin, considered by geologists as a major source of crude oil. After surveying many possible locations, they chose a 900-acre plot just one and one-half miles north of Mandan on the Missouri River.

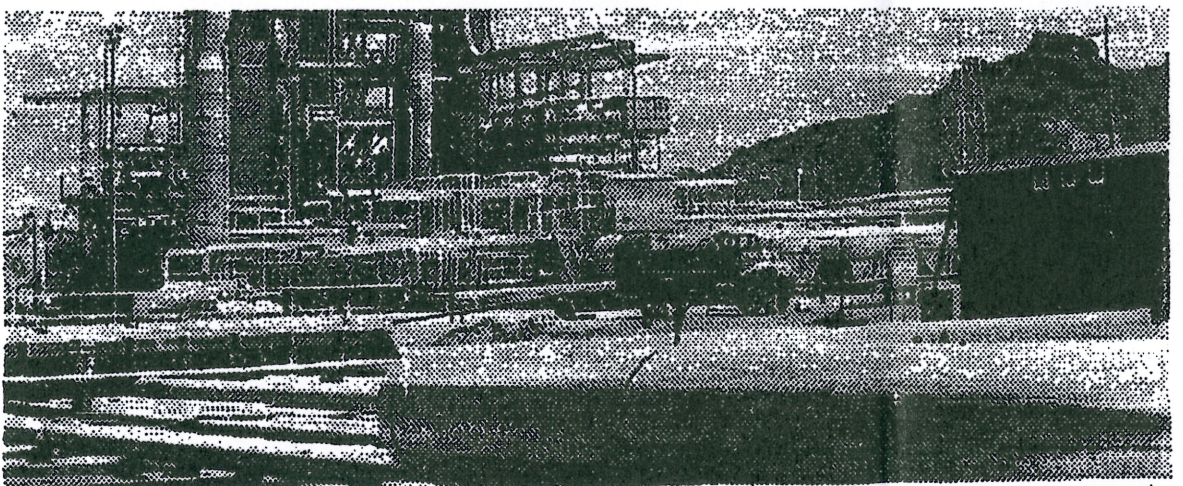
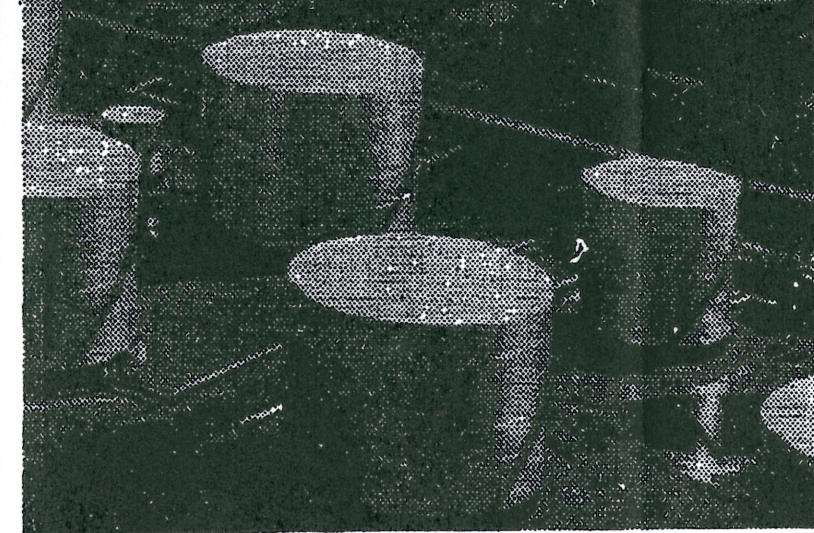
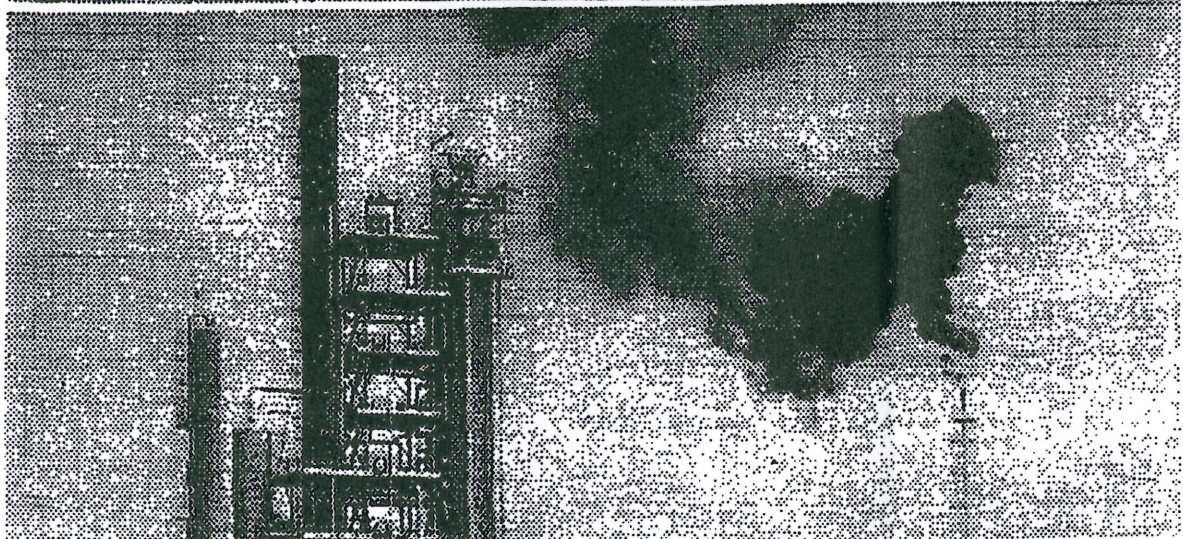
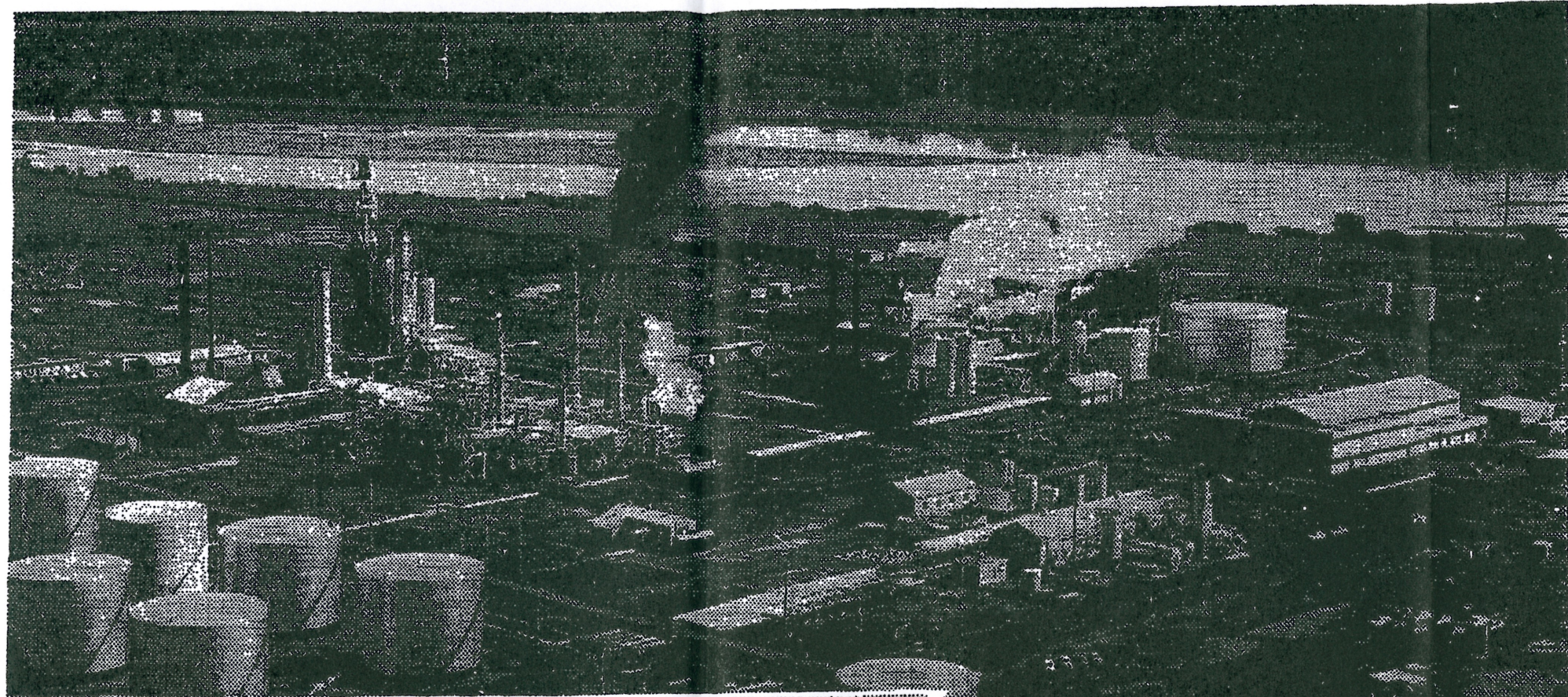
Almost squarely in the center of North Dakota, the new refinery is ideally situated for supplying the petroleum product needs of the state, in which Standard of Indiana has been a leading supplier for more than fifty years.

Also, it is not too far from Standard's product pipeline terminal at Moorhead, Minn., from which point any excess output may be moved through the company's 2,174 miles of pipelines that supply its Midwest markets.

### Built Crude Line to Site

As the first step in its program, Standard of Indiana, through a wholly owned subsidiary, the Service Pipe Line Company, built a twelve-inch and fifteen-inch pipeline to carry

## Standard of Indiana Opens First Center to Process Crude From the Williston Basin



This plant, on a 900-acre site at Mandan, N. D., is capable of treating 30,000 barrels of crude oil daily. It is first complete refining unit built by the company in fifty years.

ary, the Service Pipe Line Company, built a twelve-inch and fifteen-inch pipeline to carry crude oil to the refinery site from Tioga, N. D. Completed last November, this 150-mile "dog-leg" pipeline for some months has been moving crude oil into storage tanks at the refinery site to insure an initial working stock.

At present the line has a capacity of 30,000 barrels a day, or enough to supply the new refinery's requirements fully. The line, however, is designed to move 100,000 barrels a day if additional pumping stations are installed.

Originally, it was planned to build the Mandan refinery for an initial capacity of 15,000 barrels a day, with provision to expand it to 30,000. Before the designs were drawn, however, it was decided to increase the initial capacity to 30,000 barrels, largely because of the expanding supply of crude oil in the Williston Basin.

#### Designed for Expansion

Since the refinery now occupies only about half of the 900-acre tract, there is ample room for expansion. The company has said that all existing facilities were designed with an eye to a possible increase in capacity.

The crude oil to be processed in the refinery is of the high-gravity type, with only a relatively small amount of sulphur and other minerals that contaminate refining processes. For that reason, its design is relatively simple and its operating efficiency high. When fully manned, it will require only 250 persons on its payroll.

The products to be turned out each day by the refinery will consist of about 18,900 barrels of gasoline, 9,300 of distillate fuel, such as heating oils and Diesel fuel; 600 of a special fuel known as catalytic cycle oil, and 1,100 barrels of liquefied petroleum gas.

#### Pipeline to Move Products

A relatively small proportion of the refinery's output will move to market by rail or truck. Most of it will go eastward through a products pipeline recently built by Standard of Indiana from Mandan to Moorhead, Minn.

Since the late fall of 1953 this line has been carrying products for distribution in central North Dakota from Moorhead. With the Mandan refinery operating, the flow has been reversed: now

Continued on Page 2, Column 3

Towering fifteen stories above the Missouri River at Mandan, the new catalytic cracking unit will convert the crude oil into finished petroleum products in a continuous operation.

## REFINERY IS READY FOR WILLISTON OIL

Continued From Page 1

Mandan is sending oil products east to Minneapolis.

The 200-mile line from Moorhead to Mandan was begun in June 1953. It is ten inches in diameter and is the first of the company's lines slated to be equipped with the new microwave communication system.

With a crude oil line leading into the refinery and a products line from it, the Mandan operation is described as "refining-in-transit."

A few years ago such an operation would have been considered unthinkable. The practice at that time was to build large refineries as close as possible to major consuming areas. The development of products pipelines, however, changed that picture.

Further, in the interest of national security, emphasis recently has been laid on the decentralization of key industrial facilities. About 50 per cent of the cost of the Mandan refinery is subject to accelerated amortization for tax purposes because of its value for the defense effort.

The New York Times

Published: October 3, 1954

Copyright © The New York Times

<http://query.nytimes.com/search/query?frow=0+n=10&srcht=s&daterange=period+query=Refinery+ready+for+Williston+oil&srchst=p&submit.x=13&submit.y=9&submit=sub&hdlquery=bylquery=&mon1=09&day1=18&year1=1851&mon2=12&day2=31&year2=1980>