Procrustean Work Stretched Molecules In Good Gasoline

Most boys and girls have read in the old Greek myths about Procrustes, who welcomed travelers at his home in a lonely spot beside the road. Proscrustes had only one bed, but he always made his way-farers fit the bed. If they were too long, he chopped off their feet. If they were too short, he stretched them on a rack. Finally, he was slain by Theseus.

If they were too short, he stretched stain by Theseus.

Saucer-eyed as are youngsters reading the exploits of Procrustes, the achievements of chemists in the petroleum industry in stretching shrinking, and re-shaping petroleum molecules make even the grownups in this sophisticated age blink in amazement. Nature has given this country a bountful supply of crude oil, but like the travelers stopping at the house of Procrustes, some of the oil molecules are too large, some too small to fit the requirements for gasoline for use in modern high compression motors. But petroleum chemists, after years of research, have discovered effective methods to break down the fat molecules into smaller ones suitable for use in the modern gasoline engine. That is called "cracking." Petroleum chemists also are able by other methods to re-build molecules to a desired size and composition. That is known as "Polymostition. That is known as "Polymostition as a "Polymostition as a "Polymostition as a "Polymostition to the governor."

molecules to a desired size and composition. That is known as "Polymerization."

Another petition to the governor, with 24 Kevin signers, was read, opposing proration.

How well are you

acquainted with

Watto, the

handy electrical

helper? Do you

really realize how obliging he

and, above all in

these practical

times, how in-

expensive? Obvi-

ously not-or you

is, how tireless-

ELECTRIC SERVICE-

molecules to a desired size and composition. That is known as "Polymerization."

What this juggling and changing of oil molecules means to the average person is just this: If the petroleum chemists were unable to perform a Procrustean act upon the oil molecules are not billion barriels of oil would have to be brought to the surface every year to meet the demand of the 25,000,000 montorists in the United States for gasoline. Chemical research in the oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry has had the practical effect, by reducing the amount oil industry in the producing with his producing the amount oil industry in the producing with his producing the many families with producing the many families with modest of how incomes are sible to broaden the sphere of their living through car ownership is chiefly the result of the petroleum industry are measured in the petroleum industry are measured in billions of dollars in savings in the cost of motor fuel.

HERRING IS

(Continued rem Pers One)

Miner Conserve Gas

Mr Emrick discussed briefly the methods which should be used to preserve gas opersure. He recommended using back pressure and careful conservation of gas in all producing oil wells, pointing out that in the past operators have all producing oil wells, pointing out that in the past operators have all producing oil wells, pointing out that in the past operators have all producing oil wells, pointing out that in the past operators have all producing oil w

the smallest item in

the Household Budget!

for one person

Enjoy the radio for

Cent Run your

4 hours

furnishes

light for

1/2 hours

orone

for one

Lishours

One cent cent

OIL CONSERVATION BOARD OF THE STATE OF MONTANA 416 Ford Building Great Falls, Montana

STATEMENT OF CRUDE OIL PRODUCTION, BEFINING, STORAGE, ETC., IN MONTANA, OCTOBER 1937

(Figures represent barrels of of with fractional bbis, omitted.)

	Kevin and Berder	Cut Bank	Cat Creek	Pondora	All Other Mont. Fields	Tota
IN STORAGE OCTOBER 1st:						
By Producers " Transporters " Refineries " Purchasers for Storage In Transit.	102,930	248,901 184,879 54,091	8,387 62,902 17,494 11,641	99,828	11,153 2,292	580,71 273,14 168,92
TOTAL		555,934	95,424	121,157	30.100	1,196,06
PRODUCED DURING MONTH	127,248	255,977	18,601	33,695	7,425	442,94
TOTAL	520,691	811,911		154,852		1,630,00
REFINED IN MONTANA	11,536	6,728° 77,044	18,082 402	17*	171° 842	243,14 * 7,23 * 80,42 * 500
TOTAL	42,942	239,972	18,484	15,960	8,480	325,83
N STORAGE OCTOBER 31st:						
By Producers " ransporters " Transporters " Purchasers for Storage	147,981	258,400 210,078 17,261	3,877 60,060 16,578 15,026	110,453 8,056	10,464	184,93 593,83 383,68 135,69 15,02
TOTAL STORAGE	477,749	571,949	95,541	138,802	29,045	1,313,16
* Pipeline gain (deduct)	In storage October, 1-37		October Receipts Mont. Refin's		Relined Lost, Etc.	In Storage October 31-3
VYOMING OIL IMPORTED	25,700	***************************************	122,014		108,869	38,830

GLACIER COUNTY

By Glacier County Abstract Co. CUT BANK, MONTANA

AMENDMENT TO LEASE

Wm. H. and Cora Cross, his wife, to The Texas Company, agreement to reduce rental of oil and gas lease on Si 7.36.5W, from \$80.00 to \$40.00 delay rental each six months.

RELEASE OF OIL AND GAS LEASE

CERTIFICATE OF SALE ON

EXECUTION

EXECUTION

E. T. Broadwater, plaintift, vs. E. J. McCabe, defendant, 1-2 of 1% landowners royalty N\(\frac{1}{2}\) 9.34-6 West to plaintiff, \$30.00

Same parties, 3-8 of 1% landowner's royalty, NW\(\frac{1}{2}\) 8ec, 9-33-5W, to E. T. Broadwater, for \$30.00.

ASSIGNMENT OF LEASES

C. D. Small to C. D. Small Company, Assigns all leases of every kind and description in Montana, 51.

ACKNOWLEDGEMENT OF TERMINATION OF OIL AND GAS LEASE

Harry M. Raiston to Mrs. Clara Smiley

G. C. Smiley Homestead in Twp 30N, Raisw, rec. Bk 2 O&GL, pg 243. Homestead Survey No. 357, Bk 2 O&GL, page 243.

of an inverse of the second of

Co. 24% SANE ANASCAL SWASE SWASE 22-35-3W. \$1.

MISCELLANEOUS

Asg. and C. D. Toole Co to Jay G. McCrary to Landowners Oil & Gas Co. NVANE 38NE 38E 23 SWANWA NE 24 SWA 25 SE2 35-35-4W NA SWAWA NE 25 NE 25-35-34 WAS SWAWA NE 25 NE 25-35-34 WAS SWAWA NE 25 NE 25-35-35 NE SWAWA SEL SWAWA NE 25 NE 25-35-35 NE SWAWA SWAWA NE 25 NE 25-35-35 NE SWAWA NE 25 NE 25-35-35 NE SWAWA NE 25 NE 25-35-35 NE SWAWA NE 25 NE

LIONS CLUB

in Contrad. Asked if they had any objection to the Lions club taking up the work they said they had none and the motion to organize a committee was enthusiastically passed. The Conrad committee will be asking for space for a record of its accomplishments in the Montana Oil Journal from now on. The committee plans to get all Conrad people to buy Montana-made gasoline exclusively until our oil fields and refineries are again giving employment to our workmen. The committee plans also to go to Choteau, Dutton and Valler and organize those cities in behalf of Montanamade gasoline.

LIONS CLUB OF CONRAD

LIONS CLUB OF CONRAD COMMITTEE ON BUY GASOLINE MADE FROM MONTANA CRUDE.

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(St. Clair Co.) ILL.

PETROLEUM GEOLOGIST

OUT BANK, MONTANA

PONDERA COUNTY

By Pondera County Abstract Co. CONRAD, MONTANA

PARTICIPATING ROYALTY DEED C. W. Chambers to Edwin Grosfield % Participating royalty in and to oil and gas accruing to me from SE4SW\$

CHOTEAU COUNTY

By Chouteau County Abstract Co. FORT BENTON, MONTANA

RELEASE OF OIL AND GAS LEASE
Glacler Production Co., to Ellmer R.
and Estella E. Long, his wife, dated
11-3-1822, covering SE\$482\(\frac{1}{2}\) 15 NE\(\frac{1}{2}\) Es
NW\(\frac{1}{2}\) NE\(\frac{1}{2}\) 2-32-5W.
Glacler Production Co. to Ellmor Parker
Rel. Bk 4 of O&GL, page 103, SE\(\frac{1}{2}\) Sec.
27-32-5.
NOTICE OF PENDENCY OF ACTION
U. S. Dist. Court Dist of Mont. Great
Falls Division, The Texas Company
as F. A. Ewald et al To obtain specific
performance of certain agreements and
to quiet title to oil and gas leasehold
overing SE\(\frac{1}{2}\) Sec.
19-32-5.
Agreements cover all of Sec. 9-32-5. ROYALTY DEEDS Edwin F. Peterson, Jr. to Fred Scheen-sigel 1-2 of 1% of 100% royalty N4ND4 23-23-3, \$10. Same to Mrs. Lydia Aznoe 1-1 of 10% of 100% same land as above. \$10.

SEND A CONTRIBUTION TO THE SUNBURST BADGER

SHELBY ABSTRACT AND TITLE CO.

ens'd, Bonded Abstracters SHMLBY, MONTANA

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Great Falls, Montana

hole was straight-reamed to set the casing at 450 in the gray shale of the Colorado. There was some discussion about the 20-foot sand which might be the Eagle, Hanlon states. He had expected to start drilling in the Colorado as the Eagle drilling in the Colorado as the Eagle sandstone appears on the bluffs above the well. The only well log for a guide is that of Ralph Chamberlain's well on Crown Butte, 16 miles east, and the comparison with that log indicates that the 20-foot sand is in the top of the Colorado.

SEND A CONTRIBUTION TO THE SUNBURST BADGER

FREDRICK C. PLATT

MINING ENGINEER

PETROLEUM Geology-Lease Management

MINING

Reports-Management MONTANA SHELBY.

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