

POSTED FIELD PRICES	
Kevin-Sunburst	\$ .90
Pondera	\$ .90
Cut Bank	\$1.10
Cat Creek	\$1.80

DAILY AVERAGE PRODUCTION			
Week Ending September 3, 1938			
U. S.	2,349,100	Decrease	29,400
Montana	12,650	Decrease	100

# Montana Journal



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## SKIMMER AT SPOKANE IS RUNNING OIL

SPOKANE—Oil shipments from the Cut Bank, Mont., oil field have begun to the B. V. Hole, Agent, refinery at Hillyard and it is announced that the new refinery will be in operation next Monday, Sept. 12.

One shipment of 1,000 barrels was shipped from Cut Bank Tuesday by Montana Headlight Oil company, operating company of the Drumheller interests of this city, and a second shipment of 1,000 barrels will be made on Saturday. Steady shipments will follow to supply the plant with enough oil for capacity operation of 500 barrels per day.

The plant was recently reconstructed on the site of an old topping plant. It will make third structure gasoline, distillate, diesel fuel and fuel oils. It is a semi-continuous process, utilizing a 600-barrel shell still which will be kept at a temperature of from 390 to 400 degrees as crude is run into the still. When the still is filled, and all of the gasoline taken off, it will become a batch operation. Increased temperatures will take off the distillate, then the diesel fuel and finally the fuel oil will be run off to stock tanks and the process will be resumed.

The plant has no bubble towers—only a short packed tower, it being a simple skimmer, and barring mechanical defects or leaks, it is expected to go into capacity operation immediately. It is understood that all refined products have already been contracted for distribution by established outlets. It will afford an outlet for about 15,000 barrels of Cut Bank crude monthly. It affords employment for between 15 and 20 men.

## MARKET LACK ENDS RECORD KEVIN GUSHER

Owing to the lack of market and lack of storage it became necessary to shut in the Fulton-Thompson No. 2 well in the high gravity oil pool of West Kevin field this week, ending a long period of continuous flowing. Location is in SW corner SE 1/4 NW 1/4 28-35-3W, north-west of Kevin.

This well, though little heralded, is one of the best in Kevin-Sunburst field today. Completed a year ago, it was not acidized until early last spring. It began flowing immediately after acidization, with an initial of 150 barrels per day. It

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## DAILY PRODUCTION MONTANA-WYOMING WEEK ENDED SEPT. 3

MONTANA	
Cat Creek	610
Cut Bank	7560
Kevin-Sunburst	3650
Pondera	490
Buckley Border	70
Dry Creek	285
TOTAL	3590
WYOMING	
Big Muddy	1180
Garland	2435
Labarge	1000
Lance Creek	12520
Medicine Bow	2995
Oregon Basin	5040
Rock River	1870
Salt Creek	15500
I. N.	650
Derry Dome	130
Badger Basin	100
Blac Mountain	130
Dallas Derby	350
Dutton Creek	50
Elk Basin	190
Flannell	370
Hidden Dome	110
Lost Soldier	1550
Midway	30
Osage	740
Pilot Butte	10
Poison Spider	250
Quealy Dome	760
South Casper	90
Teapot	20
Warm Springs	140
Wertz	960
Spindletop	30
Grass Creek, light	1520
Cole Creek	100
TOTAL	50850
Total Colorado	8550
Total Rocky Mt. States	57195

## New Pocatello Plant Surprises Industry As Throughput Increases



Alcorn true vapor phase plant of Idaho Refining company now in operation in Pocatello, Idaho, which is steadily increasing runs of Cut Bank crude as result of unusual demand for its products.

Montana producers who are supplying the Pocatello plant of Idaho Refining company returned this week from a conference with refinery officials at Pocatello, bringing enthusiastic accounts of the success of the Idaho enterprise which will afford a market for upward of a half million barrels of Cut Bank oil annually.

The operators who have contracted to supply the Pocatello plant at Castle & Pardee, Crumley & Frary and Wilkinson & Potter. Their contract calls for a minimum of 800 barrels per day but it is already apparent that the plant will use nearly double that amount of crude. Although the plant has not yet been accepted from the contractors, since it has been in largely experimental operation up to this time, it has been pushed up to this time.

The Montana operators report that the plant is a true vapor phase plant built by Alcorn Combustion company of Philadelphia and not a Winkler-Koch plant, as reported in the Journal. There are only three such plants in the United States, one in Bradford, Pa., and one in Michigan. This plant is revolutionary in its efficiency, in that it is expected to make a 70 per cent recovery from Cut Bank crude, turning out a 75 octane gasoline.

Inasmuch as the first structure gasoline is 75 octane and the third structure gasoline is 70 octane—equal to the ordinary standard grades—the sales of Idaho Refining company have been far greater than had been expected. Total sales the first month were reported as around 700,000 gallons and over 900,000 gallons last month. The September sales will be even greater, if the plant is able to turn out the products. This plant is making a 10 to 15 per cent greater recovery of gasoline from Cut Bank crude and the octane number is considerably higher than that reported by other plants using Cut Bank crude. Idaho Refining Co. is a subsidiary of Wasatch Oil Refining Co. of Salt Lake also controlling Inland Empire Refining Co., which is building a plant in Spokane. Idaho Refining Co. recently acquired some 42 established outlets which provide a highly profitable market close to Pocatello.

## Crude Consumption In July Above Production Board Figures Reveal

The month of July saw Montana refiners drawing on storage to care for full-capacity operations as they sought to provide enough gasoline and tractor fuel to care for harvesting and transportation of crops in this and adjoining states, and the monthly report of the Oil Conservation Board shows that in the three north Montana fields total consumption of crude oil exceeded production by some 636 barrels per day. In the entire state the market was 452,459 barrels against a production of 408,801 barrels. This apparent deficit results from lack of distribution of the market, rather than inability of the fields to supply the oil, since some producers in Cut Bank are entirely without a market; all producers with few exceptions are curtailed 50 per cent in Kevin-Sunburst, and Pondera likewise has some producers with no market at all while others are producing at capacity.

The daily average production of the three north Montana oil fields was 11,624 barrels against an actual market of 12,884 barrels per day. Average daily refinery runs during July in the three fields was 11,298 barrels per day and to this was added the first notable amount of oil shipped to Idaho, total exports averaging 1,535 barrels per day during the month. Cut Bank had average daily runs of 7,526 barrels against a market of 5,967 barrels including 4,678 barrels per day run by Montana refiners and 1,289 barrels of daily exports. Kevin-Sunburst had average daily production of 3,643 barrels against a market of 5,974 barrels per day, made up of 5,723 barrels of refinery runs and 246 barrels per day of exports.

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## SANTA RITA AGAIN GETS GOOD WELL IN SOUTH CUT BANK

Swabbing seven barrels per hour or at the rate of better than 150 barrels per day, Santa Rita Oil company's Sheoran No. 4, well SE 1/4 SW 1/4 5-32-5W, in the Big Bend area of Cut Bank oil field, was the outstanding completion of the week in Montana.

This well, located on the east side of Cut Bank creek, is the second excellent well completed by Santa Rita in the district during the present year. This one had 34 feet of Cut Bank sand without reaching the Ellis. The Sunburst sand, 2860 to 2895, was dry. The Cut Bank sand was from 2930 to 2964 where drilling stopped as a slight show of water appeared. Fluid rose 1600 feet and it will doubtless be a 75-barrel well in settled production, which is an excellent producer in this field, where the rate of decline is low.

Cut Bank field saw the start of operations on the first gas unit in which a state lease was included. This well is in the lower end of the gas field and is known as Glacier Production-State Unit No. 1, in the center of the north line of NE 1/4 SW 1/4 16-34-5W. Exact location is 2640 feet north of the south line and 1840 feet east of the west line. Castle & Pardee-Tribal 179 No. 1, NE SW 1/4 SW 1/4 12-32-6W, is drilling at 2690.

Glacier Production-Mather Unit No. 1, SE NW 1/4 SE 1/4 36-35-5W, spudded on Sept. 6 and is drilling at 250. Nadeau-Farmers Bank No. 5, SE SE 1/4 NE 1/4 17-32-5W is cleaning out at 2830, seven feet off bottom. Par Oil-Tribal tract 179 No. 1, CEL NE 1/4 NE 1/4 7-32-5W, is drilling at 1450.

Potter-Allotted 125 No. 3 CEL NE 1/4 NE 1/4 12-32-6W, is cleaning out at 3020, having oil in the Cut Bank sand at 3099-3020. Texaco-Government No. 2 C NW 1/4 NE 1/4 17-32-5W, is drilling at 503 in its second hole. The first hole was lost at 195 feet, so skidded over 10 feet. Ten-inch casing was set at 503.

Texaco-Bonnet No. 1, C SE 1/4 SE 1/4 8-32-5W, is drilling at 545. (Continued on Page Eight)

## BULLETIN NO. 45

By SHELBY LIONS CLUB COMMITTEE ON "BUY GASOLINE MADE FROM MONTANA CRUDE." By L. R. HANNAH, Secretary

Arthur M. Erickson of 207 North 33rd street, Billings, was the winner of the \$100 cash prize offered by the Lions Club committee of Shelby in the state-wide crossword puzzle contest. Apparently a draughtsman, he had worked out the solution perfectly and put it on special paper, ornamented with Lions club emblems.

Five other prizes of \$10 each were awarded as follows: Miss Hilda M. Walden, Shelby (who wrote a poem with her solution).

May E. Mathews, Oilmont. R. C. Colson, Laurel. Harriette Struter Roberts, Big Fork.

Mrs. O. C. Johnson, Wolf Point. The announcement of the winners is to be made over radio stations in Great Falls, Kalispell and Wolf Point today.

A big rally is to be held on Monday night at Cut Bank at a joint meeting with the Lions club, at 6 p. m. This is the first meeting of the fall season of the Cut Bank club and this has been chosen as the occasion to announce the sensational new plans for the fall campaign to educate motorists to demand gasoline made from Montana crude.

MR. AND MRS. YUNCK HURT CUT BANK—Mr. and Mrs. William P. Yunck of this city, while motoring near the Cut Bank creek bridge on the Babb road, were injured when their car skidded into the ditch, turning over. Yunck had several ribs fractured and Mrs. Yunck received minor injuries. They were taken to Cut Bank for medical treatment and are at their home.

UPHOLDS SWITCHING CHARGES State railroad commission refused to eliminate switching charges at Laurel for Independent Refining Co. Two roads charge 17 cents a ton switching charges but the board refused to suspend them.

BUYS WINNETT RESTAURANT Joe Nell formerly representative of Minnesota-Flatwillow Oil Co. in Cut Creek field, has taken over the Hansen cafe at Winnett.

W. M. FULTON, Campbell Memorial Committee, Shelby, Montana.

Desiring to see a suitable memorial erected to honor the memory of the late Gordon Campbell discoverer of oil in Montana, I hereby subscribe and pledge the sum of \$ \_\_\_\_\_ payable as follows: \_\_\_\_\_

Enclosed herewith \$ \_\_\_\_\_

(Name) \_\_\_\_\_

(Address) \_\_\_\_\_

## VANDERPAS SHOWS SPEED ON WEST SIDE

"Lucky Butch" Perron is at it again in Kevin field, drilling another well on his famous Hugi lease where he brought in a 200-barrel well more than a year ago. He is drilling in the center of NE 1/4 NW 1/4 11-35-3W, not far from his No. 1 producer. Hank Vanderpas, veteran drilling contractor and producer, is the contractor and is setting a fast pace. The well spudded Sunday, Aug. 28, and on Monday morning, Sept. 5, had drilled 1076 feet of hole and set 8 1/2-inch casing, after having fished out one lost string of tools. By Thursday, Sept. 8 they had 1400 feet of hole. Drillers are Sid Porter, Odie Thompson and Carl Arneberg. Tool dressers are Loren Porter, Fleuri Perron and Milos Perron. At the present rate they should complete in around 15 days a well that ordinarily takes from 22 to 26 days.

This well is in the Rocky Ridge pool where two wells have recently brought surprise in that they produced from both the Sunburst sand and the top of the lime—an unusual thing in this field. The latest completion of this sort is the Parrent-Anderson well in NW 1/4 NW 1/4 13-35-3W, which cased off Sunburst sand production to acidize a showing in the lime. It is (Continued on Page Five)

## WILDCATS IN MONTANA HAVE UNLUCKY WEEK

If there is anything to astrology, then the stars had a very bad influence on Montana wildcats during the past week. Every wildcat in northern Montana, excepting one, reported trouble.

GENOU At Genou, Security Petroleum Johnson No. 1, NE 1/4 NE 1/4 23-26N-3E, had a hole full of water, requiring the running of another string of casing. This water comes from the base of the Kootenai, with about 300 feet to go to the top of the lime.

DUPUYER At Dupuyer anteline near the Rocky Mountains, California-Government No. 1, NE SE 1/4 SW 1/4 26-27-2W, is still grinding slowly away with rotary tools at 960 feet, still in the flint-like Madison lime, making only a few feet a day at the expense of many rock bits. The bottom of the lime is expected at around 1200 feet. (Continued on Page Four)

## LOCAL FOLKS ARE HELPING CONRAD TEST

Landowners, operators and royalty owners have joined in the movement to bring about a deep test in Pondera oil field, according to C. W. Chambers, Billings operator, who proposes a deep test on his Erickson No. 1 well in SW SE 1/4 SW 1/4 3-27-4W, west of Conrad, in Pondera county.

"Some who haven't cash have pledged wheat in lieu of cash," he states, as indicative of unanimous cooperation of people in Pondera. "It is seldom that farmers will share the cost of drilling for oil in a field where their lands are located, but they all show a willingness to help in Pondera." Chambers seeks to have the test to the Devonian completely financed before resuming drilling. He and (Continued on Page Eight)