

Devil's Basin Deep Test Far Past Top of Devonian

Deep test of Bill Clark on the top contours of the Devil's Basin field is reported drilling past 3925 feet, probably nearing the base of the Devonian formation. Top of the Madison in this well was at 2625, top of the Devonian at 3250. Location is NE NW SW 9-11N-24E. Though Devil's Basin was Montana's first oil field, yielding small quantities of heavy oil from shallow sands, the well being drilled by Clark is the first ever to go down for a look at the deeper horizons, in the entire field.

October Crude Oil Runs Reported by State Board

Crude oil runs in Montana for October have been reported as follows by the state oil conservation board:

Field	Total Bbls.	Daily Average
Border	1,240	40
Cat Creek	38,373	1,254
Cut Bank	364,773	11,767
Dry Creek	12,778	412
Elk Basin	119,962	3,870
Frannie	1,085	35
Gage	10,211	329
Kevin-Sunburst	147,169	4,747
Lake Basin	620	20
Pondera	26,667	860
Sweetgrass Hills	496	16

TOTALS 723,874 23,350

Operations in Cat Creek and Kevin-Sunburst were slowed considerably during the month by bad weather, the report shows.

Production for the Border, Cut Bank, Frannie, Kevin-Sunburst and Lake Basin fields and the Sweetgrass Hills area is estimated, based on incomplete reports from some operators, but is believed very close to the actual totals.

Cut Bank Lime Area Well Begins Making Gas Only

The Madison lime producing area of the Cut Bank field as so far developed is composed of two distinct pools, one north and one south, separated by an open space about a mile and a quarter in width, in which there has been no drilling.

This week the Carter Oil Company, moving toward a juncture of the two pools, got gas only in a well one location north of the nearest oil producers in the southern pool.

The well that got the gas is Carter's No. 1 H. Howsley, C SE SE 13-36N-6W, a north offset to Carter's No. 1 M. F. Brown, an oil well.

The Howsley well got the top of the lime at 3060 and bottomed at 3140. With casing run to bottom, it was perforated with three holes from 3114 to 3135. There were no shows. It was then acidized with 1500 gallons. It swabbed 43 barrels of oil and then began making all gas, and is now shut in.

Three other wells found gas flows in the field during the week, but these were in orthodox gas areas.

Union-Clapper No. 3, in 34-35N-5W, is cementing pipe after getting an 800,000-foot flow in the Sunburst sand and may be deepened. Union-Petters Unit No. 2, C E 1/4 E 1/4 SE NW, 30-34N-4W, is registered as a completion after getting 3,100,000

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Stanolind Cements At 469, Elk Basin

Stanolind Oil & Gas Company is waiting on cement at 469 in its 129 ET, C NW SW 27-9S-22E, on the Montana side of the prolific Elk Basin field, on the Montana-Wyoming border. Stanolind, as unit operator, recently drilled into production in the Madison lime in a deep test a short distance south of the well now being drilled on the Montana side of the line, opening a new producing horizon for this field, which has been yielding about 16,000 barrels daily from the Tensleep sand. Whether the well on the Montana side of the line is to be drilled to the Madison has not been announced, but it is believed likely that it will be.

Well on Mission Creek, 2561 Feet

Richfield Oil Company of Montana this week made hole past 2561 feet in its rotary-drilled wildcat on the Mission Creek structure near Livingston. Location is SE SE SW 20-2S-11E.

Install Tanks for Testing Champlain Cat Creek Well

R. E. Champlain's flowing well on the West Dome of the Cat Creek field, last week's deep sand well so far completed on that dome, had not been in production test as the week ended, though tankage was being stalled.

Further tests, according to field reports, indicate that the flow is increasing, with prospect the well will flow in excess of 500 barrels daily when sand has cleared itself of drilling mud.

Deep Bowdoin Test Strikes Amsden Lime

Most northerly logged occurrence of the Amsden lime in Montana was reported this week by the Texaco deep test on Bowdoin dome, which is believed to have topped this zone at 2845.

Rotary table elevation of this well is 2210 feet.

Tops so far reported are Eagle, 70; Colorado, 190; Kootenai, 2181; Morrison, 2345; and Amsden, 2845. Total depth of the hole was reported at 3350 feet as the week ended, with reaming under way at 2510 feet.

Depth and occurrence of sedimentary beds in this well are of tremendous interest to the oil industry, inasmuch as this is one of the few deep holes ever drilled in an area embracing thousands of square miles in northeastern Montana, and the first well ever started in this area with the intent of making a penetration of all likely producing horizons.

Husky and Stevenson Gassers Renew Interest In Hills Area

Recent developments on the Kicking Horse structure and on the Arch Apex structure have focused renewed attention on possibilities of an area northeast of the Kevin-Sunburst field, in the Sweetgrass Hills district.

On Kicking Horse, Husky recently completed a gas well and is now moving in tools for another, on the McDermott ranch, in C E 1/4 SW SW 9-36N-1E.

Twelve miles to the east, J. C. Stevenson (Arch Apex Oil Co.) has just completed a gasser at 2007 feet, with an initial estimated by company officials at from 7 to 10 million feet daily. Flow is logged as coming from what is called the Bow Island sand in southern Alberta, and on this side of the border a sandy section of the Black Leaf member of the Colorado shale. Previously, the same interests had com-

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Rock Creek Bench Rotary Moved In

Amick Bros., contractors, are reported moving in rotary tools for the wildcat of the Rock Creek Bench Oil Company on the Rock Creek Bench structure, about 10 miles southwest of Lewistown, in Fergus county. Location is NE NE NE NW 36-14N-16E, near the southwestern corner of the county. No conclusive tests have ever been drilled in this general area, most wells going only to shallow depths.

Lloydminster Action Mounts BRIGHT FUTURE FOR HUGE FIELD SEEN BY OPERATORS

The Lloydminster field on the Alberta-Saskatchewan border, about 300 miles north of the Montana border, is now the most active in Canada, with a proven area of about 25 miles in length.

Gravity of the oil is 15, in contrast to the extremely high-gravity crude produced in the Turner Valley field.

That operators in the Lloydminster field have plenty of optimism—and that they are having no trouble and anticipating none, in finding an outlet for this crude, is evidenced by this letter from one of their number, received this week by the Montana Oil Journal.

Says the letter, in part: "Note your comments and especially your comments on Lloydminster oil. You say you are wondering what we do with this heavy oil. That question would lead to a long argument that I would not even

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Sidetracking Bit In Warren Wildcat

Wildcat of A. B. Chase and others on the Warren structure, north of the Frannie field on the Wyoming-Montana border, is reported sidetracking lost bit at 1875 feet, in or near the top of the Madison limestone.

Completions Lacking For North Field

Completions were lacking in the Kevin-Sunburst field during the week, with many operations hampered by bad road conditions, due to heavy snowfall followed by thawing weather. No new locations were announced.

The Texas-Company is working on its No. 9 Helmerichs, SE SE NE 21-35N-2W, after getting a showing of oil at the top of the lime. It wouldn't take acid, was shot with 20 quarts, and is now cleaning out preparatory to reacidization.

Also a near completion is Hannah-Porter-Riddle No. 1, in the gas area being developed by the Hannah-Porter interests a few miles northeast of Shelby, in C SW NE 30-32N-

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Burks-Teigen Wildcat 1200

Apparently in the top of the Ellis, wildcat of Bill Burks et al on the Teigen ranch, on the McDonald Creek anticline in Petroleum county, is cementing at 1200 feet to stop cave. Top of the Ellis was logged at 1190.

Ten-inch pipe was landed in this well at 976, after what appeared to be the third Cat Creek sand was drilled through, from 825 to 955. This sand flowed about 800 barrels of water daily. Morrison sands were dry in this well.

The anticline on which this well is drilling is mapped as paralleling the Cat Creek anticline, though considerably lower structurally.

Devil's Basin Flank Test Standing, 990

Wildcat of the Lucky Six Oil Company on the southeast flank of the Devil's Basin field is reported standing at 990 feet, after getting water with a show of oil in the first Cat Creek sand at 974. It is about nine miles southeast of the deep test being drilled by Bill Clark, on the apex of the structure.

Mon-O-Co Got Lime At Depth of 4560

Mon-O-Co Oil Corp. got the top of the Madison lime at 4560 feet in its wildcat on the Harlo Dome section of the Shawmut anticline, completed last week as a dry hole. Ellis was topped at 2896 and Amsden at 3097.