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STATE GIVES A REPORT ON THE NEHAWKA WELL

DETAILED REPORT OF FORMATION IN DRILLING OIL WELL.

NOT ABANDONING HOPE YET

Geological Survey by G. E. Condra Gives Details of the Drilling Operations.

From Friday's Daily—

The Amerada Petroleum company, of Tulsa, Okla., has abandoned the oil and gas test on the Nehawka structure at a depth of 1,828 feet. Much interest has been shown in this test by the public in general and by the people of Nebraska in particular. Some now say that a good test was made and others are somewhat doubtful. A complete core of the well, secured by the state geological survey, is being studied in detail, after which a definite statement showing the results of these investigations will be made. The survey reports its preliminary findings and interpretations as follows:

The Nehawka anticline is well defined. It extends from near Grand Rapids past Nehawka to near Avoon. The beds exposed along the river at Nehawka City are domed upward very high on the anticline. In fact, the difference in elevation of certain beds is between 400 feet and 500 feet. The first upturn of the beds, the slight, is at the brick yard below Nehawka City; the second is along a line passing thru Jones Point east of Union. The third is at Nehawka, and the fourth and highest point of the deformation is between two and three miles northwest of Nehawka. The beds also dip gradually on the south, west and north, making a closed structure.

Pennsylvania Beds.

The lowest Pennsylvania beds exposed in the anticline near the point where drilling was done are the late limestone and Weston shales. These, with others, dip southward below the Missouri river. They are again in northwestern Missouri and northeastern Kansas. Some of the beds exposed in the Nehawka anticline extend southward to some of the oil fields of Kansas and Oklahoma. Also the structure is better defined than most of those producing oil in these states. Based on surface geology, there was good reason for drilling the structure to the Ordovician beds especially because they are important producers in Kansas and Oklahoma and it seemed that there might be some chance for discovery in the Silurian, Devonian and carboniferous beds above. The probable occurrence of igneous rocks at a comparative shallow depth in this structure caused the geologists some fear, because they had been encountered below a depth of 100 feet in the tests made at Table Rock.

The Nehawka test has shown that the thickness of the carboniferous (Pennsylvanian and Mississippian) beds is about what the survey had supposed, the Devonian and Silurian rocks seem to be absent on the part of the structure that was drilled and the Ordovician beds are near the surface than had been expected. Although the carboniferous beds rise four hundred to five hundred feet between Nehawka City and the well, there is a rise of about 1000 feet for the Ordovician beds, which may mean that they were not only folded upward but that they probably were folded along a northeast-southwest line between the well and Nehawka. If so, the faulting would have cut off the migration of oil from the southeast limb of the structure.

The director of the survey does not wish to criticize the location of the test which was made on what is supposed to be at the high point on the structure. Those in charge of the drilling made an honest attempt to prove or disprove the oil and gas possibilities, but it seems now that the well does not fully condemn all of the anticline.

There is some evidence, shown in a ravine about one mile east of the well, that faulting extends thru near the location drilled. Just how much displacement there is, if any in the Pennsylvanian bed, can be determined by comparing parts of the core with certain local exposures along creeks southeast of the well. At any rate, it seems now that the test should have been made a little farther south or eastwards, as noted above.

Deep wells drilled in western Iowa, at Forest City, and Nebraska City are thought to have penetrated the Silurian and Devonian rocks between the Ordovician and Mississippian City well as furnished by W. H. Ingersoll, driller in charge, and studies by the Iowa geologists, has a considerable thickness of these wells above the Saint Peter sandstone which was reached at a depth of 2,763 feet, and below which were found reddish limestones and arkose

beds like those in which drilling was abandoned at Nehawka.

The Saint Peter was penetrated on the Nehawka structure between 1,522 feet and 1,560 feet, which means if the correlation is correct for the Nebraska City well, there is a considerable thickness of the Silurian and Devonian beds in the east limb of the structure between Nebraska City and the vicinity of Nehawka.

These rocks which produce in some fields have a favorable position here for the accumulation of oil and gas. To test them would require a location probably on the second, third or fourth upland of the structure, which would be between Union and Nehawka or more preferably a mile or two northwest of Nehawka or southwest of same. A test here, if successful, would also evidence some chance for discovery in the northwest flank of the structure which extends in a northeast-southwest direction thru the vicinity of Weeping Water.

W. H. Ingersoll reports a showing of oil and gas at a depth of about 2,760 feet in the Nebraska City well. Glen Ruby, geologist for one of the oil companies, is of the opinion that a showing of oil was had in a deep well drilled several years ago between Omaha and LaPlatte. The person in charge of the drilling gave him the positive statement to this effect. The geological horizons at which showings are reported occur quite high in the Nehawka structure. Mr. Kerr, who represents one of the companies interested in the Nehawka structure, and who is well acquainted with drilling methods, claims that the odor of oil and gas was observed by himself and others in the core taken from the Nehawka well at the following depths: 830 feet, 1,130 feet, and 1,270 feet. Specimens of the core were sent to Mr. Ruby, who confirmed the presence of oil. Mr. Kerr believes that the high pressure of water and mud necessarily carried in core drilling made it nearly impossible to identify the presence of oil in the core and that pay sands might have been revealed at one or more of the depths where showings were made had cable tools been used. The writer is not qualified to pass upon the drilling points raised by Mr. Kerr. It would seem, however, that there may be some foundation for his statement. The parts of the core secured at depths studied indicated by Mr. Kerr are being studied for such a purpose of oil and gas as may be obtained.

The Amerada Petroleum company drilled as deep as justifiable at the location. Dr. Sidney Powers, chief geologist of the company, was in favor of abandoning the well as soon as quartzites were encountered below the Saint Peter. It is not clear why he urged him to continue drilling. However, the core became more and more arkose. At any rate the rock at 1,828 feet is older than any known to produce oil.

Just how much chance remains for discovery of oil and gas in the Nehawka anticline is the question. The test recently completed does not fully condemn the flanks of the structure. This being true, future prospecting, if it is done, should be to the south or southeast of the recent test. This location would be more favorable because there is no surface faulting; oil could have migrated to it; the Silurian and Devonian beds probably would be encountered, and the structure is well sealed.—State Journal.

MAKING OFFICIAL CANVASS

From Friday's Daily—

The task of making the official canvass of the vote cast in the election Tuesday was taken up today at the court house under the direction of County Clerk George R. Sayles. The canvassers of the vote are J. P. Feltner, Democrat, and L. J. Hall, Republican. There are only two offices in which there is any close contest that might be affected by the official canvass which includes the mail votes and a check of the results of the returning boards, and these are state representative, where Earle Towe, Democrat, is leading Troy L. Davis, his republican opponent, by 25 votes, and the county attorneyship, where W. G. Kieck, republican, has a lead of 42 votes over J. A. Capwell, his democratic opponent.

The mail votes opened this afternoon disclosed that Earl Towe had received 9 and Troy Davis 27 which reduced Mr. Towe's lead to 17. For county attorney, W. G. Kieck made a slight gain as he received 22 while J. A. Capwell received but 14 and will increase his lead to 50 votes.

WILL GIVE ADDITIONAL PRIZES

From Friday's Daily—

The members of the committee having in charge the popularity contest feature of the Elks' carnival, have decided that owing to the great interest shown by the young ladies who are in the contest and their friends, that they will offer two additional prizes for the ladies standing second and third in the race when it closes on Saturday, November 22nd.

There will be fine prizes selected that will be awarded to the two maids of honor or who will be named from the second and third of the contestants and who will share with the Queen of the Carnival the honors of the event. These prizes will be well worth contesting for and the committee feels that the ladies who are in the contest are deserving of this recognition.

PASSING OF WELL KNOWN ALVO RESIDENT OCCURS

William M. Simpson Passed Away at St. Elizabeth Hospital in Lincoln After Long Illness

From Friday's Daily—

William McKinley Simpson was born at Barnard, Kansas, on March 11, 1895 and died November 2, 1924, at Lincoln, Nebraska, aged 27 years, 7 months and 22 days. He was baptized when a child in the Presbyterian church of Barnard, where he grew to manhood.

On September 7, 1917, he answered the call of his country and entered the Signal Service Corps, being stationed at Camp Meade, Md., until honorably discharged by the Government.

In 1920 he came to Elmwood, a stranger, but rapidly made friends among those with whom he came in contact. Early in 1923 he moved to Alvo, where he went into business for himself, soon after uniting in marriage with Mabel G. Wilson, of Elmwood. To this union a son, Kenneth Dale, was born. Besides his wife and child he leaves to mourn his departure a father, mother, three sisters, two brothers and grandparents of Barnard, Kansas, besides other relatives and a host of friends.

He was a member of the Knights of Pythias lodge of Alvo and of the I. O. O. F. of Barnard, Kansas, which bespeaks well of his loyalty to man and fidelity to the trust imposed upon him. It is needless to say that "Bill" will be missed alike by relatives, friends and fraternal brethren for his straightforward manly dealings with mankind. A lover of home and family, he was constantly trying to gather around him a portion of this world's goods to protect his loved ones.

But his Creator has seen fit to remove him from this earth and from those who loved him dearly. We can but say, "God's will be done."

The funeral services were held at the Christian church at Elmwood on Wednesday, conducted by Brothers Soll, Carter and Hay, and the service at the cemetery was conducted by the I. O. O. F. lodge of Elmwood.

SMALL FIRE TODAY

From Friday's Daily—

This morning the fire department was called out at 5 o'clock by an alarm turned in from a residence on Lewis street in the north part of the city where the house was reported to be in danger of destruction by the fire demon. When the firemen arrived after their early morning spin they found that the blaze had been extinguished and that their dash had been for naught.

The fire originated when the stovepipe on the kitchen stove fell and scattered sparks and burning soot over the kitchen and caught the paper on the wall and ceiling of the room and which was blazing in the fire spread. The flames burned all of the loose paper on the walls and ceiling and then died out, fortunately not catching any of the woodwork as the members of the family with their efforts were able to check the further spread of the blaze.

CHRISTENED THE BABY

Mr. and Mrs. Paul Hill took their little daughter, who was born October 8th, to the Evangelical Lutheran church last Sunday to have her christened by the pastor, Rev. T. Hartman, who performed this solemn and beautiful service in his usual impressive manner.

The little girl was named Darline Elizabeth. Her sponsors were Mrs. Lloyd Group, sister of the father, and W. H. Hill, grandfather of the baby. After the church services, Mr. and Mrs. Hill, the grandparents of the baby, gave a dinner at their home for the christening party at which time little Darline Elizabeth came in for a good share of the attention.—Louisville Courier.

APPOINTED RECEIVER

Our local banker, C. E. Butler has been appointed receiver for a large corporation located at Waterloo, Ia. This company is undertaking a process of reorganization, and the eastern bankers holding the first bond issue got together with the other bondholders and general creditors and agreed upon Mr. Butler as a sort of compromise candidate for the position of receiver.

It will take about six weeks time to accomplish the reorganization during which time Mr. Butler will be in charge of the five million dollar concern and its factories which will be kept in operation. He will have to divide his time between Waterloo and Weeping Water during the period of his receivership, but said he had to promise his wife to stay strictly at home as soon as he has finished this job.—Weeping Water Republican.

DUROC JERSEY BOARS

A few choice boars for sale.—Phil Hinz Plattsmouth. n3-2aw

ANNIVERSARY DINNER

From Thursday's Daily—

Mr. and Mrs. W. H. Pitzer celebrated their twentieth wedding anniversary today at their home, 417 North Tenth street, with an informal dinner this noon. Places were laid for seven guests, among them Mrs. Pitzer's parents, Mr. and Mrs. John W. Miller, of Tabor, Ia. Mrs. Pitzer came to Nebraska from Lincoln yesterday for the observance and expects to return this evening.

Miss Fern Miller and W. H. Pitzer were married at Hillsdale, Ia., Nov. 5th, 1904, at the home of the bride's parents. They came immediately to Nebraska City, where Mr. Pitzer had prepared the home in which they now live. Hillsdale, Ia., is no more. It is a long-lost town, like many in Otse county, and was located southeast of Glenwood.—Nebraska City News.

WINTER BREEZES HIT EASTERN NEBRASKA LAST NITE

First Real Cold Weather of Winter Comes Unexpectedly; Sends Mercury to 29 Above.

From Friday's Daily—

This section of the west was shivering last night and today in the first touch of winter that followed the sudden change yesterday when the steady wind from the northwest brought in its wake a falling temperature and colder weather.

The coldest period was at 5 o'clock this morning when the mercury showed 29 degrees above zero and for the first time sank below freezing point.

Up to this time the fall season had been ideal and the weather remarkably warm for this season of the year and led many to believe that winter had sidestepped this section of the west, but this hope was shattered in the increasing drop in the mercury yesterday.

The weather reports are for clearing skies and raising temperatures in the states of Iowa and Nebraska and warning of the conditions in the next two days.

ELKS HARVEST CARNIVAL IS DRAWING NEAR

Cause is a Worthy One and Should Have Support—Ticket Sellers Urged to Get Busy.

From Friday's Daily—

The opening date of the Elks' harvest carnival is now but a little over a week away and those who are selling tickets for chances on the various prizes and the admission to the carnival are urged to get busy and complete the work of getting these tickets into the hands of the public before the opening date so that there will be a large representation for the drawings and everyone have a chance at the fine array of prizes that being offered by the Elks. There should be at least one ticket in the hands of everyone in the community to aid in the success of the carnival.

As has been stated before, the Elks will devote a part of their receipts to a fund, the interest on which will be devoted to the upkeep of Oak Hill cemetery which has long been in need of some material assistance to make it a well kept place that will be a credit to the city.

The Elks are offering an exceptionally large array of prizes, one of which will be drawn each evening in the drawing of the capital prize, the Oldsmobile touring car on Saturday, November 22nd.

Those who have the ticket campaign in charge are urged to get busy at once and see that tickets are disposed of and all is in readiness for the opening of the big event on Monday, November 17th.

RED CROSS GOING OVER BIG

From Thursday's Daily—

Two years ago there were less than a dozen members reported in our county. Last year there were three hundred fifty-three members. What will it be this year?

Every preparation is being made to have a thorough canvass made in the county so that an opportunity is given every one to enroll as a member. The clergy of the different churches have been asked to support the Red Cross and preach a Red Cross sermon on Red Cross Sunday, which is Nov. 9th, just two days before the campaign commences. Moving Picture Theatres have consented to show slides portending the several activities of Red Cross in their local picture houses. Some of the theatres are showing the films: The Knowing Gnome, a health and hygiene film; The Spirit of Service and Every Swimmer a Life-Saver. These are free shows. Volunteers are working in almost every locality in the county assisting in this Roll Call.

AMERICAN LEGION POST HOLDS ELECTION OF OFFICERS

Largely Attended Meeting and Interest Shown in Naming of the New Officers.

From Thursday's Daily—

Last evening there was a very large attendance at the session of Hugh J. Kearns post of the American Legion and the members took up the task of selecting the officers that are to guide the destinies of the post in the ensuing year.

The projected auditorium and community center that the Legion is planning is going to carry with it a great deal of labor and effort on the part of the membership of the post and the officers and much interest and enthusiasm is evidenced by all of the members in the work that will when completed give the service men a permanent home and the city what it has long needed—

An adequate auditorium for entertainments and meetings.

The post in view of the hard work and the great interest that has been shown by Commander W. R. Holly in the projected auditorium, insisted that he retain the office for another year and to aid in further carrying to a successful conclusion the plans for the post building.

For the office of vice commander, John L. Hadraha was named from the army and John Pyte from the navy as is required to give each branch of the service representation.

The executive committee was selected of nine members consisting of Emil Hill, Henry G. Soenichsen, Harrison L. Gayer, Henry Lencock, Leslie Niel, Robert G. Reed, G. R. Holcomb, M. D. Brown and Fred Lugsch.

The executive committee selected as adjutant for the year, Elmer A. Webb, who has proven such a splendid official in the past and has been one of the mainstays in the conduct of the affairs of the Legion here. Emil J. Hill was selected as the finance officer of the committee and will serve in that capacity for the year.

The members also were entertained by a few remarks from County Judge-elect A. H. Duxbury and Clerk of the District Court-elect C. L. Beal, both of whom are old members of the charter members.

At the close of the regular session the members enjoyed a lunch of hot dogs and coffee that was arranged by the refreshment committee and brought to a close a most pleasant and profitable evening.

From Thursday's Daily—

The fire department also unanimously voted to recommend to the city council the naming of Dr. O. Sandin as the chief of the fire department for the ensuing year and which recommendation will doubtless will be accepted and the name of Mr. Sandin accepted.

HAS NARROW ESCAPE

Miss Grace Wise, who is employed at the Hotel Drake, had a narrow escape from what might have been serious burns last Thursday morning during the time the Tom Schmauder garage was burning on North Hill.

There was an electric light pole back of the garage which supported the high tension wires and the lights of the town were turned off as the water could not be turned on the pole because of the danger of election of the citizens were obliged to use lamps and Miss Wise was coming down the stair steps leading into the office, carrying a lighted lamp. In the darkness she thought she had reached the last step and walked off, and tripped and threw the lighted lamp to the floor. Fortunately it was extinguished as it fell or another more disastrous fire might have occurred and the young lady as well as Landlord Drake and his household are congratulating themselves upon their narrow escape.—Louisville Courier.

NOT TO LEAVE STATE

From Thursday's Daily—

The friends of County Judge Beeson and family over the county here have been more or less aroused over the statement printed in the Nehawka Enterprise a few days ago of the fact that Judge Beeson at the close of his present term would leave the city with his family and remove from the state. The statement in print caused a number of inquiries to be made of the Beeson family and the statement from the judge that at the expiration of his term he expects to enter on the practice of law here and has no intention of removing from the state. Judge Beeson has been county judge here for a great many years and feels that he should take up his own interests now and get back into the practice of the law. Judge Beeson requests the Journal to state that he and his family will continue to make their home here in the future as in the past.

SUFFERS BAD FALL

From Thursday's Daily—

Wednesday, while Fred Mumm was stepping from the curb in front of the Donat building at Fourth and Main street, he slipped and fell, striking the paving with force enough to break the lens of one of his spectacles and caused the broken glass to cut a gash over one of his eyes. The wound was such as to necessitate the services of a surgeon to close.

ENTERTAIN FOR FRIENDS.

From Thursday's Daily—

Last evening Dr. and Mrs. Frank L. Cummins entertained at dinner at their pleasant home on Pearl street, Father and Mrs. W. S. Leete and Madame Leete, who are soon to leave this city, where they have made their home for the past ten years, for Evergreen, Colorado, where Father Leete is to take up his church work in the future. The occasion was marked by the most delightful hospitality that is characteristic of the Cummins home. The departure of Father Leete and family from the city is a matter of general regret and they are being given a number of social entertainments prior to their departure from the city.

This evening the Leete family will be entertained at dinner by Mrs. J. M. Roberts at her home on High school hill.

FIRE DEPARTMENT ELECTS NEW OFFICERS LAST NIGHT

John V. Hatt Heads Fire Fighters For Ensuing Year—New Members Are Recognized.

From Thursday's Daily—

The Plattsmouth Volunteer Fire department last evening met at the city hall to take up the task of selecting the officers for the ensuing year and a large number of the membership was present to assist in the proceedings of the evening.

There has been a great many new members received into the department to replace the older members who are slated for retirement in the next year and will then lay the responsibility of conducting this important branch of the city government on the shoulders of the new and younger members.

The officers selected last night were as follows:

President—John V. Hatt.
Vice President—G. E. Brubacher.
Secretary—Claude C. Smith.
Treasurer—Harley P. Cecil.
Assistant Chief—Louis Kroehler.
Chemical Engineer—E. J. Weyrich.
Truck Driver—D. K. Ebersole.
Foreman Hook and Ladder—E. A. Fricke.
Assistant Foreman—H. G. Soenichsen.

The fire department also unanimously voted to recommend to the city council the naming of Dr. O. Sandin as the chief of the fire department for the ensuing year and which recommendation will doubtless will be accepted and the name of Mr. Sandin accepted.

The fire department has been in very flourishing condition for the past few years and fortunate in the fact that the number of really serious fires in the city have been very few and scattered and given the city a good record among the other towns of the state for the small number of fires.

The department will send three representatives to the state convention at Hastings in January and will select one of the younger and new members to make the trip to gather the information that he can on the art of fire fighting.

The men held their own very nicely on the Sunday services, but slipped on the mid-week meeting and therefore the organizations could provide a feed for the winners in the near future. The contest has created a great deal of interest in the church work as was shown by the fact that at the prayer service on Wednesday there were 112 in attendance. The contest has stimulated a great deal of interest in the church activities and it is hoped to have this interest continued in the future.

Mrs. Fred Kroehler of Havelock, who has been here visiting at the home of her mother, Mrs. Emma Weidman, returned this morning to her home.

CLOSE RESULT ON MURRAY GRAVELING PROPOSITION

Result of Election There Will Make Necessary Opinion as to Legal Outcome of the Bonds.

From Friday's Daily—

The question of the submission of the proposition of voting bonds in West Rock Bluffs precinct for the graveling of the roads seems to have been defeated on the face of the returns but the proposition involved is one that will probably make necessary an opinion from the attorney general's office on the exact number of votes that are required to carry the bonds. The hitch in the election is on whether it requires a three-fifths vote on the number that is voted on the proposition of the issuance of the bonds or a three-fifths of the total vote cast.

At the election there were 206 voted in favor of the bonds and 77 against them but where the rub comes is in the fact that there were 371 votes cast in the precinct and some 68 of the voters failed to cast a ballot either for or against the bonds.

If the law is construed to mean that the bonds must receive three-fifths of the total vote cast then the graveling bonds lose by some eleven votes but in case it merely requires the three-fifths on those voting on the bonds then it has carried.

The interest has been very great over securing the graveling of the road west through Murray and from the appearance of the number that a large majority for the proposition but whether or not the technical phase of the law will knock out the proposition remains to be seen.

INTERESTING CONTEST CLOSES

From Friday's Daily—

For the past four weeks there has been an interesting contest waged at the First Methodist church in this city between the Philathea class, a branch of the married ladies of the Sunday school and the Y. M. H. C. of the school, for the purpose of seeing which of the organizations could muster the largest number at the various church and Sunday school services in the four week period.

The ladies were the challengers and also have proven the winners in the contest by a good safe margin.

The rules of the contest were to see which class could have the largest number present at Sunday school and the two church services on Sunday as well as at the mid-week prayer meeting.

The men held their own very nicely on the Sunday services, but slipped on the mid-week meeting and therefore the organizations could provide a feed for the winners in the near future. The contest has created a great deal of interest in the church work as was shown by the fact that at the prayer service on Wednesday there were 112 in attendance. The contest has stimulated a great deal of interest in the church activities and it is hoped to have this interest continued in the future.

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Count Up the Things

which you keep about the house but which, because of their value or the difficulty of replacing them, should really be kept in a strong, fire-proof vault.

Count up these things—and then see if \$1 a year isn't a very small price to pay for keeping them in a Safe Deposit Box in our electrically protected vault.

We'll be glad to show you these boxes. Don't leave your valuable papers laying about loose any longer.

THE FIRST NATIONAL BANK
THE BANK WHERE YOU FEEL AT HOME
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