

ELLEDOE & POWELL

PETROLEUM GEOLOGISTS
 UNION NATIONAL BANK BUILDING
 WICHITA 2, KANSAS

December 21, 1950

TELEPHONE 3-2722

HENRY R. ELLEDOE
 STEPHEN B. POWELL

Mr. D. G. Hansen,
 Logan, Kansas.

Dear Mr. Hansen:

Following is some information on three wells in Sec. 11, T. 48., R. 21W., and one well in Sec. 26, T. 48., R. 21W., Norton County, Kansas, obtained from the files in the Phillips Petroleum Company office here in Wichita. This information, together with the core drill points which I gave you over the phone, should give you about everything available on the area.

Helmerich & Payne & Phillips Petroleum Company, No. 1 Hewitt, C 8/2 SE NE, Sec. 11, T. 48., R. 21W., Norton County, Kansas.

Completed August 1941, for 272 barrels of oil and 17 barrels of water per day, pumping.

8" casing 267 feet, 5" casing 3401 feet.

Elevation 2161, Topeka 3194, Heebner 3361, Toronto 3386, Lansing ⁻¹²⁴⁰

- Kansas City 3401, Base-Kansas City 3602, Arbuckle 3655, Granite 3746.

Total Depth 3750.

- Cored 3405 to 3413, recovered 7 feet. (-1240)
- 3405 to 3406, no recovery. (-1240-45)
- 3406 to 3407, sub-oolitic lime, slight to spotted stain, fair porosity, bleeding little oil. (-1240-46)
- 3407 to 3408, good oolitic porosity, good saturation, bleeding oil. (-1240-47)
- 3408 to 3409, fair to good porosity and saturation. (-1240-47)
- 3409 to 3409 1/2, dense lime, saturation in fractures. (-1240-48 1/2)
- 3409 1/2 to 3413, shaley lime, no saturation. (-1240-52)
- Cored 3580 to 3586, recovered 6 feet.
- 3580 to 3580 1/2, porous, oolitic lime, residual oil stain.
- 3580 1/2 to 3582, dense crystalline lime, no porosity or saturation.
- 3582 to 3582 1/4", green calcareous shale.
- 3582 1/4" to 3584", very dense, crystalline lime, no saturation.
- 3583 1/4" to 3585 1/4", shaley lime and green shale.
- 3585 1/4" to 3586, green calcareous shale.
- Cored 3657 to 3663, recovered 4 feet dolomite, some dead oil stain, no live oil.

Plugged back to 3404, set 5" casing 3401, drilled plug to 3407, 200 feet oil in hole in 1 hour, 1300 feet oil in hole, 8 1/2 hours.

Swabbed 65 barrels of oil in 19 hours. Swabbed 3.4 barrels of oil per hour for 24 hours. 1000 acid, swabbed 131 barrels of oil and 87 barrels of water in 14 hours, 800 feet off bottom.

Squase 150 sacks cement. Drill plug to 3407, 500 acid, swabbed 24 barrels of oil in two hours, no water. Pumped 10 barrels of oil and 10% water per hour. Gravity of oil 36.8.

Helmerich & Payne & Phillips Petroleum Company, No. 2 Hewitt, Cen 6/2 SW NE, Sec. 11, T. 48., R. 21W.

Completed November, 1941,

After 7000 acid, bailed 1 1/2 barrels of oil and 2 barrels of water per hour and temporarily abandoned.

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Re-completed October, 1942, for 19 barrels of oil per day.
Elevation 2126, Topeka 3150, Heebner 3330, Toronto 3352, Lansing-Kansas City 3367.

Set 7" casing 3367 1/2.

Drilled plug to 3378 1/2, had show of oil, 500 acid, bailed 17 gallons of oil and 25 gallons of water in 4 hours.

Cored

(Cable Tools) 3378 1/2 to 3388 1/2, recovered 10 feet of dense lime and shale streaks, no shows.

Drilled deeper to 3563, total depth. No additional shows.

Plugged back - 3382, 7000 and 5000 acid,

On 17 hour test made .4 barrels of oil and 2.1 barrels of water per hour.

McLain, Johnson & Payne & Phillips Petroleum Company, No. 3 Hewitt, Cen NE/4 NE/4, Sec. 11, T. 48., R. 21W.

Completed March, 1942 as a dry hole.

8" casing 245 feet, 5" casing 3430'.

Elevation 2175, Heebner 3391, Toronto 3411, Lansing-Kansas City 3428,

Total Depth 3436.

Cored

3423 to 3433.

3423 to 3428, red shale.

3428 to 3430, dense tan limestone, pin points of oil.

3430 to 3431, oolitic lime, fair porosity and saturation.

3431 to 3433, no recovery.

Cored

3433 to 3436.

3435 to 3442, No recovery.

3434 1/2 to 35, oolitic limestone, fair porosity and saturation.

3435 to 3436, dense grey oolitic limestone, no saturation.

Set 5" casing 3430, drilled plug to 3436, total depth. 2000 feet water in hole. Recemented and drilled plug with 1300 feet water in hole in 2 1/2 hours; swabbed 1 1/2 barrels of water per hour.

1000 acid, swabbed 10 3/4 barrels of water per hour with a trace of oil for 16 hours.

Dry and abandoned.

Pewer & Olson, Van Patten No. 1, Cen NE/4, Sec. 26, T. 48., R. 21W.

Completed May, 1939. Swabbed 200 barrels of oil in 24 hours, after 8000 acid, gravity 18.2.

Elevation 2091, Heebner 3392, Toronto 3316, Lansing-Kansas City 3334,

Base-Kansas City 3526, Arbuckle 3597, Total Depth 3665.

-1239-49 Cored

3330 to 3340, recovered lime with no saturation.

-1384-73 Cored

3475 to 3484, porosity and saturation, 3477 to 3480.

-1526-41 Cored

3617 to 3632, recovered 10 feet. No show of oil.

Total Depth 3665. Set 5" casing 3616.

Perforated: 70 shots- 3475 to 3492, 100 feet oil in hole.

Perforated: 10 shots- 3492 to 3495, 2000 and 6000 acid, swabbed 200 barrels of oil in 24 hours.

Yours very truly,

Emmett R. Eledge
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