

SAMPLE DESCRIPTION & TESTS-Cont'd.

3110-3120 Limestone, light gray, fine-medium crystalline, fossiliferous, fair vugular porosity, slight odor, show free oil.

DRILL STEM TEST #1: 3076-3120 feet. Open 1 hour, good blow thru-out. Recovered 630 feet muddy water with spots oil. IBHP 970#/30", FBHP 910#/30", IFP 130#, FFP 340#.

TORONTO - 3165 (-1208)

3165-3168 Limestone, tan-buff, fine crystalline, poor vugular porosity. No shows.

3170-3174 Limestone, white-light gray, fine crystalline, trace light & dark stain, poor porosity. No free oil.

LANSING - 3190 (-1233)

3190-3193 Limestone, white-light gray, fine crystalline, trace pinpoint porosity, trace scattered stain, trace dead stain. No free oil.

3204-3206 Limestone, light gray, fine crystalline, fossiliferous, trace poor pinpoint porosity, trace scattered stain, slight odor, very small show free oil.

DRILL STEM TEST #2: 3165-3210 feet. Misrun. Failed to reach bottom.

DRILL STEM TEST #3: 3165-3210 feet. Open 1 hour, good blow thru-out. Recovered 180 feet gas in pipe, 120 feet slightly oil and gas cut mud, 125 feet muddy oil. IBHP 880#/30", FBHP 870#/30". IFP 110#, FFP 150#.

3224-3228 Limestone, light gray, fine crystalline, fair pinpoint porosity, scattered fair stain, slight odor. Show free oil.

3244-3248 Limestone, buff, dense, slightly oolitic & limestone, light gray, oolitic, fair vugular porosity, slight odor. Fair show free oil.

DRILL STEM TEST #4: 3224-3255 feet. Open 1 hour, fair blow thruout. Recovered 270 feet salt water. IBHP 850#/30", FBHP 790#/30". IFP 90#, FFP 130#.

3322-3324 Limestone, buff-light gray, fine crystalline, poor porosity, trace dead stain. No free oil.

SAMPLE DESCRIPTION & TESTS-Cont'd.

- 3344-3350 Limestone, light gray, fine crystalline, fossiliferous, trace spotted staining, poor pinpoint porosity. Show free oil.
- 3358-3362 Limestone, buff-gray, fine crystalline, scattered poor stain, poor porosity. Small show free oil.
- 3382-3385 Limestone, light gray-white, chalky in part, poor porosity, scattered light stain. Very small show free oil.

DRILL STEM TEST #5: 3320-3400 feet. Open 1 hour, fair blow thruout. Recovered 135 feet watery mud with spots oil. IBHP 1120#/30", FBHP 980#/30", IFP 110#, FFP 110#.

CONGLOMERATE - 3429 (-1472)

- 3429-3436 Limestone, white-light gray, slightly chalky, slightly oolitic, poor porosity, spotted light stain. No free oil. Trace chert, tan, opaque.
- 3442-3460 Limestone, light gray, fossiliferous, scattered fair vugular porosity, spotted light stain, show free oil. Chert, fresh, varicolored, some with dead staining.
- 3466-3470

DRILL STEM TEST #6: 3420-3470 feet. Open 1 hour, weak blow thruout. Recovered 60 feet mud. IBHP (not taken), FBHP 90#/30". IFP 90#, FFP 90#.

SIMPSON DOLOMITE - 3494 (-1537)

- 3494-3498 Dolomite, white-light gray, greenish, fine-medium crystalline, fair crystalline porosity. Show heavy black oil.

ARBUCKLE - 3512 (-1555)

- 3512-3520 Dolomite, buff, fine-medium crystalline, fair-poor crystalline porosity, scattered fair stain & saturation, slight odor. Show free oil.

DRILL STEM TEST #7: 3515-3520. Open 1 hour, fair blow thruout. Recovered 150 feet free oil, 60 feet muddy oil. IBHP 1000#/30", FBHP 930#/30", IFP 70#, FFP 70#.

TOTAL DEPTH - 3520 (-1563)

Set 4-1/2" production casing at 3514 feet with 150 sacks cement.

Respectfully submitted,

By Alfred W. Stude
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