

OVERBURDEN DRILLING DAILY LOG

Company KERR ADDISON Project PELLY FINLAYSON Driller MJB/DL.

| DATE | Hole No. | Sample No. | Depth Meters | TIME | | COMMENTS |
|----------|----------|-------------|--------------|----------|--------|--|
| | | | | Sampling | Moving | |
| 1 OCT 78 | 1 | 500E-153N① | 1.2 | 30 | | |
| " | 1 | N/S | - | 15 | | N/S TOP Permafrost - water-soft. |
| " | 1 | 500E-153N② | 2.8 | 15 | | |
| " | 1 | " ③ | 4.0 | 45 | | ✓ BEDROCK. - Fe stained + banded |
| " | 2 | 500E-121N① | 1.2 | 10 | 50 | incl. lunch. |
| " | 2 | " ② | 3.0 | 45 | | ✓ SAMPLE 2 - Bedrock 2A - Soil ABOVE |
| " | 3 | 500E-117N① | 3.0 | 40 | | This sample carried out to check |
| " | 3 | " ② | 4.0 | 70 | | ✓ depth to Bedrock obby. B.P. |
| " | 4 | 500E-92N① | 1.2 | 10 | 25 | |
| " | 4 | " ② | 3.1 | 30 | | |
| " | 4 | " ③ | 3.9 | 40 | | ✓ Split Sample 3A - soil above B.P. #3 Bedrock |
| " | 5 | 500E-62N① | 1.2 | 10 | 15 | Permafrost @ 0.5m. |
| " | 5 | " ② | 3.2 | 30 | | |
| | 5 holes | 12 SAMPLES | 31.8m. | 390 | 90 | |
| 2 OCT 78 | 5 | 500E-62N③ | 4.8 | 115 | | ✓ Bedrock - vis banding. |
| " | 6 | 500E-29N① | 1.1 | 5 | 5 | |
| " | 6 | 500E-29N② | 3.1 | 25 | | |
| " | 6 | 500E-29N③ | 3.7 | 50 | | TILL very difficult to extract. |
| " | 7 | 500E-180N① | 1.1 | 10 | | |
| " | 7 | 500E-180N② | 3.2 | 25 | 60 | |
| " | 7 | 500E-180N③ | 4.3 | 80 | | Very Hard Ground |
| " | 7 | 500E-180N④ | 5.8 | 110 | | ✓ Very Hard Ground - Bedrock / till. |
| " | 8 | 500E-211N① | 1.2 | 10 | 10 | |
| " | 8 | 500E-211N② | 3.0 | 45 | | |
| " | 8 | 500E-211N③ | 3.9 | 60 | | TILL. |
| | 4 HOLES | 11 SAMPLES. | 35.2m | 535 | 75 | |
| 3 OCT 78 | 9 | 500E-291N① | 1.3 | 15 | | |
| " | 9 | 500E-291N② | 3.0 | 55 | | TILL. |
| " | 9 | N/S | - | 155 | 65 | Very hard Ground Could not open Sample at 5m. |
| " | 10 | 500E-270N① | 1.2 | 15 | | |
| " | 10 | 500E-270N② | 2.0 | 35 | | |
| " | 10 | 500E-270N③ | 3.0 | 25 | | |
| " | 10 | 500E-270N④ | 4.0 | 70 | 15 | TILL. - limonite. |
| " | 11 | 500E-300N① | 1.0 | 15 | | |
| " | 11 | 500E-300N② | 2.0 | 20 | | |
| " | 11 | 500E-300N③ | 3.0 | 25 | | |
| | 3 holes | 9 samples | 20.5 | 430 | 80 | |

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OVERBURDEN DRILLING DAILY LOG

Company KERR ADDISON Project FIMLAYSON PELLY Driller MSB IDL/DK

| DATE | Hole No. | Sample No. | Depth Meters | TIME | | COMMENTS |
|----------|----------|---------------|-----------------|----------|--------|--|
| | | | | Sampling | Moving | |
| 4 OCT 78 | 11 | 500E-300N N/S | 1.4 | 50 | | Lost Round Pt at bottom of hole |
| " | 12 | 500E-358N ① | 1 | 20 | | |
| " | 12 | ② | 2 | 25 | | |
| " | 12 | ③ | 3 | 25 | | |
| " | 12 | ④ | 4 | 35 | | |
| " | 12 | ⑤ | 4.9 | 50 | 40 | some weathered bedrock, some shale |
| " | 13 | 500E-332N ① | 1 | 10 | | |
| " | 13 | ② | 2 | 30 | | |
| " | 13 | ③ | 3 | 35 | | |
| " | 13 | ④ | 4 | 45 | | |
| " | 13 | ⑤ | 5 | 40 | 5 | |
| " | 14 | 500E-392N ① | 1 | 15 | | |
| " | 14 | ② | 2 | 25 | | |
| " | 14 | ③ | 3 | 20 | | |
| " | 14 | ④ | 4 | 75 | | weathered bedrock in bottom. very difficult to extract sample. |
| | 4 holes | 14 samples | 39.9 m | 500 | 45 | |
| 5 OCT 78 | 15 | 500E-420N ① | 1 | 20 | | |
| " | 15 | ② | 2 | 30 | | |
| " | 15 | ③ | 3 | 35 | | |
| " | 15 | ④ | 4 | 45 | | |
| " | 15 | ⑤ | 5 | 85 | 60 | bedrock, visible banding |
| " | 16 | 500E-451N ① | 1 | 15 | | |
| " | 16 | ② | 2 | 40 | | |
| " | 16 | ③ | 3 | 45 | | |
| " | 16 | ④ | 4 | 65 | | |
| " | 16 | ⑤ | 5 | 75 | | |
| " | 16 | N/S ⑥ | 16 | 65 | | Sampler jammed at bottom of hole & would not open |
| | 2 holes | 10 samples | 30 m | 520 | 60 | |
| 6 OCT 78 | 16 | N/S ① | 1.6 | 35 | 10 | Bottom rod sheared off |
| " | 17 | 500E-979N ① | 1.2 | 20 | | |
| " | 17 | ② | 2 | 25 | | |
| " | 17 | ③ | 3 | 30 | | |
| " | 17 | ④ | 4 | 110 | | Rod sheared off above rd. pt. Had |
| " | 17 | ⑤ | 5 | 45 | 45 | to drill new hole |
| " | 18 | 500E-509N ① | 1.2 | 15 | | Hard shale on bottom. |
| " | 18 | ② | 2 | 20 | | |
| " | 18 | ③ | 3.1 | 80 | | Hard shale on bottom |
| " | 19 | 500E-590N ① | 1.8 | 30 | 15 | No sample at 1 m. - too soft. |
| " | 19 | ② | 3 | 45 | | |
| " | 19 | ③ | 4 | 60 | | |
| | 3 holes | 11 samples | 30.3 m | 515 | 70 | |

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OVERBURDEN DRILLING DAILY LOG

Company Kerr Addison Project Finkelson Pelly Driller DL/DK

| DATE | Hole No. | Sample No. | Depth Meters | TIME | | COMMENTS |
|----------|----------|-------------|-----------------|----------|--------|---|
| | | | | Sampling | Moving | |
| 7 Oct 78 | 19 | 500E-540N ① | 5.1 | 90 | 10 | |
| " | 20 | 500E-570N ① | 1.1 | 15 | | |
| " | 20 | ② | 2 | 35 | | |
| " | 20 | ③ | 3.2 | 35 | | |
| " | 20 | ④ | 4 | 160 | 15 | Graphite on bottom. Lost sampler. Had to drill another hole. Very hard to extract |
| " | 21 | 500E-600N ① | 1.1 | 20 | | |
| " | 21 | ② | 2 | 25 | | |
| " | 21 | ③ | 3.1 | 35 | | |
| " | 21 | ④ | 3.6 | 35 | | weathered bedrock |
| " | 22 | 500E-630N ① | 1 | 15 | | |
| " | 22 | ② | 2 | 20 | | |
| " | 22 | ③ | 3.1 | 35 | | Hard shale on bottom |
| | 4 holes | 12 samples | 31.3m | 520 | 25 | |
| 8 Oct 78 | 23 | 500E-660N ① | 1.2 | 20 | | |
| " | 23 | ② | 2 | 20 | | |
| " | 23 | ③ | 3.1 | 30 | | |
| " | 23 | ④ | 4 | 65 | 20 | Very hard drilling. Could go no further. |
| " | 24 | 500E-700N ① | 1.1 | 25 | | |
| " | 24 | ② | 2 | 25 | | |
| " | 24 | ③ | 3 | 35 | | |
| " | 24 | ④ | 4 | 55 | | |
| " | 24 | ⑤ | 5 | 55 | 60 | |
| " | 25 | 550E-540N ① | 2 | 20 | | could not get sample at 1m - too soft |
| " | 25 | ② | 3 | 35 | | |
| " | 25 | ③ | 4 | 75 | | |
| | 3 holes | 12 samples | 39.4 | 460 | 80 | |
| 9 Oct 78 | 25 | 550E-540N ① | 5 | 80 | 10 | |
| " | 26 | 600E-590N ① | 1.1 | 20 | 20 | |
| " | 26 | ② | 2 | 30 | | |
| " | 26 | ③ | 3 | 195 | | Lost sampler. Had to drill another |
| " | 26 | ④ | 4 | 225 | | Graphite on bottom. Extremely hard to extract sampler. Had to fix hydraulic jack - would not lift more than 2" at a time. Req'd 9500 lb total sampler |
| | 2 holes | 5 samples | 15.1m | 595 | 10 | |

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OVERBURDEN DRILLING DAILY LOG

Company Kerr Addition

Project Finlayson Pelly

Driller DL/DK

| DATE | Hole No. | Sample No. | Depth Meters | TIME | | COMMENTS |
|---------|-------------|-------------|-----------------|----------|-----------------|--------------------|
| | | | | Sampling | Moving | |
| 10 OCT | 27 | 650E-540N ① | 1.1 | 20 | | |
| | 27 | ② | 2.2 | 30 | | |
| | 27 | ③ | 3 | 35 | | |
| | 27 | ④ | 3.5 | 40 | 20 | shale on bottom |
| | 28 | 700E-540N ① | 1 | 20 | | |
| | 28 | ② | 2 | 50 | | |
| | 28 | ③ | 3 | 55 | | |
| | 28 | ④ | 4.2 | 45 | 20 | shale on bottom |
| | 29 | 750E-540N ① | 1.1 | 10 | | |
| | 29 | ② | 2 | 20 | | |
| | 29 | ③ | 3 | 35 | | |
| | 29 | ④ | 4.2 | 70 | | shale on bottom |
| | 30 | 800E-540N ① | 1 | 10 | | |
| | 30 | ② | 2 | 20 | | |
| 4 holes | | 14 samples | 33.3 | 460 | 40 | |
| 11 OCT | 30 | 850E-540N ① | 3 | 60 | | |
| | 30 | ② | 4 | 60 | 15 | |
| | 31 | 850E-540N ① | 1.2 | 15 | | |
| | 31 | ② | 2.1 | 30 | | |
| | 31 | ③ | 3.1 | 25 | | |
| | 31 | ④ | 4 | 30 | | |
| | 31 | N/S ⑤ | 4.5 | 25 | 10 | Water - no sample |
| | 32 | 850E-480N ① | 1.2 | 15 | | |
| | 32 | ② | 2 | 25 | | |
| | 32 | ③ | 3.2 | 20 | | |
| | 32 | ④ | 4.1 | 30 | | |
| | 32 | ⑤ | 4.8 | 50 | 5 | Graphite on bottom |
| | 33 | 800E-480N ① | 1 | 15 | | |
| | 33 | ② | 2 | 25 | | |
| 33 | ③ | 3 | 45 | 15 | shale on bottom | |
| 34 | 750E-480N ① | 1 | 25 | | | |
| 5 holes | | 15 samples | 39.7 | 495 | 45 | |

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OVERBURDEN DRILLING DAILY LOG

Company Kerr Addison

Project Finlayson Pelly

Driller DL/DK

| DATE | Hole No. | Sample No. | Depth Meters | TIME | | COMMENTS | |
|--------------------|--------------------|--------------|--------------|----------|--------|---|--|
| | | | | Sampling | Moving | | |
| OCT 12 | 34 | 750E-480N #1 | 2.3 | 30 | | | |
| | 34 | ② | 3.1 | 25 | | | |
| | 34 | ③ | 4 | 35 | | | |
| | 34 | ④ | 5 | 130 | 10 | Quartz, weathered bedrock. - Replaced pull-cord on machine. | |
| | 35 | 700E-480N ① | 1 | 20 | | | |
| | 35 | ② | 2.1 | 35 | | | |
| | 35 | ③ | 3 | 35 | | | |
| | 35 | ④ | 4 | 45 | | Graphite on bottom. | |
| | 36 | 650E-480N ① | 1 | 20 | 15 | | |
| | 36 | ② | 2 | 30 | | | |
| | 36 | ③ | 3.1 | 50 | 10 | Graphite on bottom | |
| | 37 | 600E-480N ① | 1.2 | 10 | | | |
| | 4 holes 12 samples | | | 31.8 | 465 | 35 | |
| | 13 OCT | 37 | 600E-480N ② | 2 | 30 | | |
| 37 | | ③ | 3 | 50 | 15 | Graphite + carbonate. Very hard drilling - could go no further. | |
| 38 | | 550E-480N ① | 1 | 15 | | | |
| 38 | | ② | 2.1 | 20 | | | |
| 38 | | ③ | 3 | 40 | | | |
| 38 | | ④ | 4 | 55 | 15 | Weathered bedrock. | |
| 39 | | 450E-480N ① | 1 | 20 | | | |
| 39 | | ② | 2.1 | 40 | | | |
| 39 | | ③ | 3.1 | 60 | 15 | Hard graphite on bottom - could drill no further. | |
| 40 | | 400E-480N ① | 1.2 | 15 | | | |
| 40 | | ② | 2.2 | 40 | | | |
| 40 | | ③ | 3 | 35 | 15 | Hard shale + graphite on bottom | |
| 41 | | 400E-540N ① | 1 | 30 | | | |
| 5 holes 13 samples | | | 28.7 | 450 | 60 | | |
| 14 OCT | 41 | 400E-540N ② | 2 | 45 | | | |
| | 41 | ③ | 3 | 45 | | | |
| | 41 | N/S ④ | 19 | 120 | | Rod sheared off 2 m. down. Lost 2 rods + sampler | |
| | 42 | 450E-540N ① | 1.2 | 15 | | | |
| | 42 | ② | 2 | 20 | | | |
| | 42 | ③ | 3.2 | 55 | | Some graphite + weathered bedrock. Very difficult drilling - could go no further. | |
| 2 holes 5 samples | | | 11.4 | 190 | | Packed gear to 210N + organized gear for helicopter trip Oct. 15. | |

OVERBURDEN DRILLING DAILY LOG

Company Kerr Addison Project Finlayson Pelly Driller DL/DK

| DATE '78 | Hole No. | Sample No | Depth Meters | TIME | | COMMENTS |
|--------------------|-----------------|---------------|-----------------|----------|--------|--|
| | | | | Sampling | Moving | |
| OCT 15 | 43 | 1440E-1470N ① | 1 | 20 | | Vain Area |
| | 43 | ② | 2 | 60 | | |
| | 43 | ③ | 3 | 30 | | |
| | 43 | ④ | 3.8 | 35 | | |
| | 43 | ⑤ | 5 | 60 | 25 | |
| | 44 | 1440E-1650N ① | 1 | 15 | | Quartz frags., shale, weathered B.R. |
| | 44 | ② | 2 | 25 | | |
| | 44 | ③ | 3 | 30 | | |
| | 44 | ④ | 4 | 60 | 10 | |
| | 45 | 1440E-1720N ① | 1 | 15 | | Dense Clay, very hard drilling, could go no further. |
| 45 | ② | 2 | 15 | | | |
| 3 holes 11 samples | | | 27.8 M. | 365 | 35 | |
| 16 OCT | 46 | 1750W-2550N ① | 1 | 20 | | N.W. Pelly Area |
| | 46 | ② | 2 | 25 | | |
| | 46 | ③ | 3.2 | 20 | | |
| | 46 | ④ | 4 | 30 | | |
| | 46 | ⑤ | 5.3 | 30 | | |
| | 46 | ⑥ | 9.5 | 40 | 20 | |
| | 47 | 1000W-2320N ① | 1 | 20 | | very small amt. in sampler - dry sandy - might not be true sample. |
| | 47 | ② | 2.2 | 20 | | |
| | 47 | ③ | 3 | 25 | | |
| | 47 | ④ | 9.4 | 50 | 45 | |
| | 48 | 510E-1170N ① | 1 | 20 | | |
| | 48 | ② | 2 | 20 | | |
| | 48 | ③ | 3 | 45 | | |
| 3 holes 13 samples | | | 46.6 | 365 | 75 | |
| 17 OCT | 48 | 510E-1170N ④ | 4 | 90 | | Very hard drilling. Couldn't go farther. |
| | 48 | ⑤ | 4.9 | 120 | 150 | |
| | 49 | 510E-150S ① | 1 | 15 | | |
| | 49 | ② | 3 | 45 | | |
| | 49 | ③ | 4 | 45 | | |
| 2 holes 5 samples | | | 16.9 | 315 | 150 | |
| 18 OCT | 49 | 510E-150S ④ | 8 | 515 | | Rods & pt. very hard to extract Reqd 10,000 lbs to move. |
| | 1 hole 1 sample | | | 8 | 515 | |

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SUMMARY OF OVERBURDEN DAILY LOGS

Company KERR ADDISON

Project FINLAYSON PELLY

Driller MJO/DK

| DATE 1978 | TIME | | | No. Samples | Total Meters | Meters Hour | EQUIPMENT Lost/Destroyed | | COSTS | | | | COMMENTS |
|--------------|---------------|-------------------|-----------------|----------------|-----------------|----------------|-----------------------------|------|-------------------|------------|-------------|------------------|------------------|
| | Total Work | Total Drilling | Total Travel | | | | Samples | Rods | Total Drilling | S Meter | S Sample | Meters Sample | |
| | | | | | | | | | | | | | |
| 1 OCT | 10 3/4 | 6.5 | 4.25 | 12 | 31.8 | 4.89 | - | - | 430 | 13.52 | 35.83 | 2.65 | Incl org. TIME |
| 2 OCT | 10 3/4 | 8.9 | 1.35 | 11 | 35.2 | 3.96 | - | 1 | 430 | 12.2 | 39.1 | 3.2 | |
| 3 OCT | 10 1/2 | 7.2 | 1.3 | 9 | 20.5 | 2.85 | - | 2 | 420 | 20.5 | 46.7 | 2.28 | |
| 4 OCT | 10 | 8.3 | .75 | 14 | 39.9 | 4.81 | 1 rd. Pt. | 1 | 400 | 10.03 | 28.6 | 2.85 | |
| 5 OCT | 10 1/2 | 8.7 | 1.0 | 10 | 30 | 3.45 | - | 2 | 420 | 14 | 12 | 3.0 | |
| 6 OCT | 10 1/2 | 8.6 | 1.2 | 11 | 30.3 | 3.52 | 2 rd. Pt. | 2 | 420 | 13.86 | 38.2 | 2.75 | |
| 7 OCT | 10 | 8.7 | .4 | 12 | 31.3 | 3.59 | 1 sample | 1 | 400 | 12.78 | 33.3 | 2.6 | |
| 8 OCT | 10 1/2 | 7.6 | 1.3 | 12 | 34.4 | 4.53 | - | - | 420 | 12.21 | 35 | 2.87 | |
| 9 OCT | 10 | 9.0 | .2 | 5 | 15.1 | 1.6 | 1 sample | 1 | 400 | 26.99 | 80.00 | 3.02 | |
| 10 OCT | 10 1/2 | 7.6 | .6 | 14 | 33.3 | 4.4 | - | - | 420 | 12.61 | 30. | 2.38 | |
| 11 OCT | 10 1/2 | 8.25 | .75 | 15 | 39.7 | 4.8 | - | 1 | 420 | 10.57 | 28.00 | 2.65 | |
| 12 OCT | 10 | 7.75 | .58 | 12 | 31.8 | 4.1 | - | 1 | 400 | 12.58 | 33.33 | 2.65 | |
| 13 OCT | 10 1/2 | 7.5 | 1 | 13 | 28.7 | 3.8 | - | 1 | 420 | 14.63 | 32.31 | 2.71 | |
| 14 OCT | 8 1/2 | 3.2 | 0 | 5 | 11.4 | 3.5 | 1 sample | 2 | 390 | 29.82 | 68.00 | 2.28 | Incl. org. Time. |
| 15 OCT | 10 1/2 | 6.1 | .6 | 11 | 27.8 | 4.5 | - | 1 | 420 | 15.11 | 38.18 | 2.53 | |
| 16 OCT | 10 | 6.1 | 1.25 | 13 | 46.6 | 7.6 | - | 1 | 400 | 8.58 | 30.77 | 3.58 | |
| 17 OCT | 9 1/2 | 5.25 | 2.5 | 5 | 16.9 | 3.25 | - | 1 | 380 | 22.48 | 76.00 | 3.38 | |
| 18 OCT | 9 1/2 | 9.35 | - | 1 | 8 | .86 | - | 1 | 380 | 47.50 | 380.00 | 8 | |