



# Canadian Petroleum Engineering Inc.

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August 25, 2024

Pauline de Jong  
Regulator  
Office of the Regulator of Oil and Gas Operations  
PO Box 1320  
Yellowknife, NT  
X1A 2L9

Re: End of Well Report for the Abandonment of the Aurora College Training Well  
G-04 ACW- 2023-AC-G-04-WID1915

Dear Ms. de Jong

Canadian Petroleum Engineering on behalf of Aurora College hereby submits the End of Well Report for ACW - 2023-AC-G-04-WID1915.

In accordance with the terms attached to ACW - 2023-AC-G-04-WID1915, the enclosed report provides a detailed summary of the history associated with the Aurora College Training Well G-04 and the details of the well abandonment undertaken in 2024 as per OROGO's requirement that the well be abandoned by November 30, 2024.

CPE will be pleased to provide additional information as required.

Sincerely

Lorne Hammer  
President, CPE

## CHANGE OF WELL STATUS

This form must be filed with the Office of the Regulator of Oil and Gas Operations within 30 days of a change in well status.

### INSTRUCTIONS:

Send one electronic copy of this form by email to [orogo@gov.nt.ca](mailto:orogo@gov.nt.ca). If you wish to communicate with OROGO in hard copy, please do so using the courier address found at [www.orogo.gov.nt.ca](http://www.orogo.gov.nt.ca).

### WELL INFORMATION

Well Name	Aurora College Training Well G-04	Operator	Aurora College
Well Identifier (WID)	WID1915	Unique Well Identifier (30xx...)	300G04683013330

### STATUS INFORMATION

Effective Date: 2024/07/25

Well Type: Other

If other, specify:

Well Mode: Abandoned

If other, specify:

Other:

If other, specify: Training Well

Fluid Production: (choose all applicable)

Not applicable <input checked="" type="checkbox"/>	Steam <input type="checkbox"/>
Crude Oil <input type="checkbox"/>	Air <input type="checkbox"/>
Gas <input type="checkbox"/>	Carbon Dioxide <input type="checkbox"/>
Water <input type="checkbox"/>	Nitrogen <input type="checkbox"/>
Brine <input type="checkbox"/>	Liquefied Petroleum Gas <input type="checkbox"/>
Acid Gas <input type="checkbox"/>	Bitumen <input type="checkbox"/>
Solvent <input type="checkbox"/>	Other <input type="checkbox"/>

**"I certify that the information provided on this form is true and correct"**

Name Lorne Hammer

Phone (403) 813-0718 Ext

Title President

E-Mail lhammer@cpe.ab.ca

Operator CPE

Signature

*[Signature]*  
*Sarah Tilley, Aurora College*  
 Responsible Officer of Company

Date

*Aug 25 2024*

Aurora College  
Training Well G-04  
Well Abandonment

ACW-2023-AC-G-04 WID 1915

END OF WELL REPORT

Grid Number 6830-13330

August 26, 2024

Prepared by: Lorne Hammer  
Canadian Petroleum Engineering Inc.

# 1. SUMMARY

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Aurora College drilled the Aurora Training Well G-04 to provide a training facility in the town site of Inuvik that would be used for the training of Northwest Territories residents in safe oilfield practices. Stakeholders from Inuvik, PITS, CAPP, Aurora College and Akita Drilling were in support of the test well. Aurora College approached stakeholders in the oil and gas industry and government and received wholehearted support from all groups.

The 400 meter well was spudded on July 30, 2001 and was completed on August 4, 2001

The drilling contractor was Akita Equitak based out of Inuvik. Akita Equitak was a joint venture between the Inuvialuit Regional Corporation and Akita Drilling Ltd. The drilling rig used was Akita Rig # 15, the rig was rated to drill to 2000 meters.

The well was drilled on a site located within the town boundaries of Inuvik on Lot # 1001, Quad 107 Bn LTO 1227. The lot was leased to Aurora College for a ten (10) year period by the Municipal Corporation of the town of Inuvik for the training facility.

Following several discussions between OROGO and Aurora College, Aurora College committed to submitting an Operations Authorization application by December 7<sup>th</sup> 2022 and submitting the ACW for the Aurora College G-04 well shortly thereafter. OROGO approved this commitment and OROGO gave direction for the abandonment of the well by August 31, 2023.

Aurora College was not able to secure service equipment to abandon the G-04 well to meet the August 31 deadline, however Aurora College reached agreement with the Inuvialuit Development Corporation to share their service equipment in the winter of 2024. Aurora College would take over responsibility of the service contracts from IRDC when the services were released from the Tuktoyaktuk M-18 well in early March 2024. OROGO approved this delay in completing the well abandonment.

Well abandonment operations began on March 5, 2024 and continued to March 15 when a tubing string was found in the well. Aurora College shut down operations until March 30 when IRDC completed work on Tuk M-18 well and Treeline's service rig became available. Abandonment operations recommenced on March 30 and downhole operations were completed on April 8, 2024. All service equipment was demobilized at that time.

Surface abandonment operations began again on July 15, 2024 when Gas migration testing was done. Cut and cap operations took place from July 23 to July 25, 2024. The well abandonment operations were concluded on July 25, 2024.

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## 2. INTRODUCTION

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### 2.1 ORIGINAL DRILLING OPERATIONS

Aurora College drilled a 400 meter test well spudded on 7/30/01 and finishing on 8/4/01 to provide a training facility in the town site of Inuvik that would be used for training of Northwest Territories residents in safe oilfield practices. Stakeholders from Inuvik, PITS, CAPP, Aurora College and Akita Drilling were in support of the test well. Aurora College approached stakeholders in the oil and gas industry and government and received wholehearted support from all groups.

The drilling contractor was Akita Equitak based out of Inuvik. Akita Equitak is a joint venture between the Inuvialuit Regional Corporation and Akita Drilling Ltd. The drilling rig used was Akita Rig # 15, the rig that will be used by Japex et al to drill the Mallik 3L-38 Methane Hydrate Research Well on Richards Island this upcoming winter. Akita Rig #15 is rated to drill to 2000 meters. The rig has a 66 m<sup>3</sup> mud system and is equipped with two boilers, one is rated at 100 HP and the other rated at 80 HP.

The well was drilled on a site located within the town boundaries of Inuvik on Lot # 1001, Quad 107 B/7 LTO 1227. The lot was leased to Aurora College for a ten (10) year period by the Municipal Corporation of the town of Inuvik for the training facility.

The exact coordinates of the well are:

Latitude: 68° 23' 25.9" N.

Longitude: 133° 45' 42.2" N

Akita Rig #15 was moved onto the location on 7/29/01 following the setting of a 406 mm refrigerated conductor to a depth of 16 meters. The conductor casing was cemented with good mud and cement returns throughout the job with cement to surface. The diverter was nipped up and pressure tested, as was the remainder of the well control equipment. The refrigeration unit was run continuously until the 244 mm permafrost casing was set at 155 meters. No evidence of permafrost was seen, and the mud cooler was not run for the main section of the well.

The conductor shoe was drilled out with a 311 mm bit and the 311 mm surface hole was control drilled to 155 meters at a penetration rate of 15 m/hr. The permafrost protection string made up of 11 joints of Siderco 244 mm, 71.62 kg/m, DST 80 LT, BT&C casing was run to 155 meters and cemented with 13 tonnes of permafrost cement. The casing was

rotated and reciprocated during cementing and good cement returns, approximately 0.5 m<sup>3</sup> were circulated out at surface. The plug was bumped with 3000 kPa and the pressure held. The plug was down at 0522 on 8/1/01.

The BOP's were installed and the annular preventor pressure tested to 1400 and 10,000 kPa. The pipe rams, HCR, Choke manifold, kelly cock, stabbing valve, and kill lines were all tested to 1400 kPa and 10,000 kPa high. All of the equipment held for 10 minutes without bleed off. The accumulator precharge bottles were checked and the accumulator function tested prior to drilling out.

The float collar and shoe were drilled out 8/2/01. A formation leak off test was not done due to the soft formation and 18 kPa /m was used for all well control calculations. The 216 mm hole was drilled from 155 meters to 340 meters without incident. At 340 meters, the penetration rate slowed from 10 meters/hr to approximately 5 to 6 meters /hr. Bit # 2 was tripped out at 349 meters and Bit # 3 run in. Bit #2 drilled from 349 meters to 401 meters at 5.1 m/hr.

After total depth was reached at 401 meters, Schlumberger logged the open hole. One log run was made and the following logs obtained from 401 m to 155 m: Temperature Log, Platform Express Array Induction - SP, Platform Express Compensated Neutron Litho Density, and a caliper-cement volume log.

Following the log run, a wiper trip was made in preparation for running casing. Thirty (30) joints of Siderco 178 mm, 47.62 kg/m, DST - 80 LT, BT&C casing was run to 397.5 meters. The casing was rotated and reciprocated while cementing and was cemented with 9 tonnes of permafrost cement with good cement returns to surface. The plug was bumped with 5000 kPa at 0930 on 8/4/01.

The rig was released at 1200 hours on 8/4/01 for use as the training facility. Aurora College in conjunction with PITS has conducted 4 introductory courses for floor hands and 76 personnel from the Northwest Territories have successfully completed the course. Akita Rig #15 was released by Aurora College on 8/25/01 at the completion of the floor hand training courses. The well was suspended with a FMC wellhead installed on the 178 mm casing to facilitate a service rig training course. The service rig training course started 08/30/01 and it was completed 09/8/01.

## 2.2 WELL ABANDONMENT OPERATIONS

Aurora College was notified by the Office of the Regulator of Oil and Gas Operations Northwest Territories (OROGO) on July 29, 2020 that the Aurora College Training Well G-04 must be abandoned by November 2023 as the well had been suspended since 2001. Canadian Petroleum Engineering was retained by Aurora College to manage the well abandonment and act as Aurora College's technical advisor for the project.

CPE was authorized to prepare all regulatory documents including all applications required for the operations to abandon the Training well G-04.

Aurora College received its Operations Authorization (OA) to conduct the abandonment operation on September 29, 2023 and subsequently received authorization to Change the Condition of the Well (ACW) on November 24, 2023. The abandonment operation was to be completed no later than November 31, 2024.

One major impediment to the abandonment operation was the lack of suitable well servicing equipment in the Northwest Territories. Aurora College was able, however, to enter into a cost sharing agreement with the Inuvialuit Region Development Corporation who were planning to reactivate the Tuk M-18 gas well located just south of Tuktoyaktuk in the winter of 2024. IRDC maintained priority in utilizing the service equipment with Aurora College having the ability to use the equipment when it was not required by IRDC. This was beneficial to both IRDC and Aurora College and a cost savings to Aurora College when a tubing work string was found in the G-04 well.

The following is a summary of the well abandonment and gas migration testing operations undertaken:

#### Summary of Operations

March 5-15, 2024

Obtain approval from lands officer to access lease.  
Prepare access to location from highway.  
Remove snow from well location. Remove fence around wellhead.  
Contact NTPC and plan for equipment moves to location.  
Heat wellhead and function test valves. Shut in casing pressure = 0 kPa.  
Remove upper wellhead assembly and discovered tubing had been left in well.  
Well records did not indicate tubing had been left in the well.

March 15, 2024

Sourced for equipment in the North that could remove tubing from the well.  
Revised well abandonment program.  
Wait on service rig to be available to remove tubing from the well.

March 15-18, 2024

Rigged up E-line equipment. Ran gauge ring and CCL log in tubing string. Tubing bottom at 306mKB  
Rigged out logging equipment. Reinstalled wellhead. Ensure all valves are closed.  
Operations shut down until service rig can be mobilized from Tuktoyaktuk.

March 30-April 2, 2024

Return to location.  
Prepare lease access road and remove snow around wellhead.  
Mobilize Treeline service rig to location.  
Rig up service rig and associated equipment. Complete rig inspection.  
Pressure test BOP equipment on stump. Good test.



Remove wellhead and install BOP's. Pressure test BOP's to 7000kpa. Good test.  
Release dognut and move tubing. Tubing moves freely in casing.  
Function tested accumulator and BOP's.  
Circulated well to fresh water.  
Pressure test casing to 7000 kPa. Good test.  
Pull tubing from the well. Lay down tubing on well site.  
Release service rig. Rig out equipment. Demobilize service rig and equipment.

April 3-8, 2024

Rig up E-line equipment.  
Run gauge ring inside casing to 386m.  
Run radial bond log tools and log from 386m to 50m.  
Evaluate cement bond log results. Good bond. Rig out E-line equipment.  
Secured well and lease.  
Abandonment well operations and gas migration testing to be completed in July 2024.

July 15-22, 2024

Moved generator to location to provide power for gas migration testing.  
Test holes drilled to 50cm depth at 5m, 10m, 15m and 20m from well centre (North, South, East and West). Zero ppm of CH<sub>4</sub>, H<sub>2</sub>S or CO recorded during testing.  
Test results sent to OROGO for approval. OROGO approved results of gas migration testing.  
Proceed to well abandonment operations.

July 23-25, 2024

Excavate a 6.0m x 2.5m bell hole around wellhead.  
Welder to cut casing 1.5m below ground level.  
Cut inner casing string. Inner string did not drop when cut as it was cemented full length.  
Complete cut of surface casing. Remove casing bowl and casing.  
Installed steel plate and vent assembly on cut casing strings.  
Installed well sign pole assembly 1.0m due north of well centre and installed sign.

Backfilled and compacted excavated area above abandoned well.

Remove all garbage and clean up lease.

July 25, 2024

Well abandonment operations completed.

### 3. WELL DATA

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1. Well Name: Aurora Training Well Inuvik G-04  
Authority to Alter Condition of Well: ACW-2023-AC-G-04WID1915  
Exploration Agreement number: Not Applicable  
Location Unit: G  
Section: 04  
Grid Area: 6830-13330  
Classification: Service well
2. Well Location:  
Coordinates: Latitude: 68<sup>0</sup> 23' 25.9" N  
Longitude: 133<sup>0</sup> 45' 42.2" N
3. Unique Well Identifier: 300G536830133300
4. Operator: Aurora College
5. Contractor: Treeline Well Servicing
6. Service Rig: Treeline Rig # 29
7. Service Companies performance: Very Good
8. Difficulties and delays: None
- 9.. Total Well Cost \$850,000 budgeted  
\$972,684 actual  
\$625,000 donated by industry

#### 10. Elevations

20.21 m (from Inukshuk Geomatics Survey)

KB: 25.3 m

KB to Casing Flange: 5.0 m

11. Total Depth

FTD: 401 m KB  
PBTD: 397.5 m KB  
TVD: 401 m KB

12. Date and Hour Spudded: 2200; 07/30/01  
13. Date Drilling Completed: 8/4/01  
14. Date of Rig Release: 8/25/01

15. Well Status: Suspended  
16. Well Re-entered 3/15/2024  
17. Surface abandonment complete 25/07/2024

18. Hole and Casing information

i. Hole Sizes and Depths:

Conductor Hole: 711 mm to 18 m KB  
Surface Hole: 311 mm to 155 m KB  
Main Hole: 216 mm to 401 m KB

ii. Casing and Cementing Record:

Conductor Hole:

Casing Size: 406 mm ID x 508 mm OD refrigerated

Casing Weight: N/A

Casing Grade: N/A

Thread: N/A

Depth Set: 18 m KB

Cut Height: At surface KB

Cut Off Depth: After abandonment

Date Set: 7/28/01

Cement Volume: 3.75 m<sup>3</sup>

Cement Type: Arctic set Cement (40%G + 60%Gypsum)

Additives: 12% DO44 salt

1% DO 65 Turbulence inducer

0.6% DO13 Retarder

0.2% DO46 Antifoam

#### Surface Hole

Casing Size: 244 mm  
Casing Weight: 71.62 kg/m  
Casing Grade: DST 80 LT  
Thread: BT&C  
Depth Set: 155 m KB  
Cut Height: At surface KB  
Cut Off Depth: After abandonment  
Date Set: 8/1/01  
Cement Volume: 9.5 m<sup>3</sup>  
Cement Type: Arctic set Cement  
Additives: 12% DO44 salt  
1% DO 65 Turbulence inducer  
0.6% DO13 Retarder  
0.2% DO46 Antifoam  
Cement Top: Surface (17.905 m KB)  
Casing Bowl Size: 279 x 244 mm x 21 mPa  
Casing Bowl Make: SF Crown Slip On

#### Main Hole

Casing Size: 178 mm  
Casing Weight: 47.62 kg/m  
Casing Grade: DST 80 LT  
Thread: BT&C  
Depth Set: 397.5 m KB  
Cut Height: At surface KB  
Cut Off Depth: After abandonment  
Date Set: 8/4/01  
Cement Volume: 5.5 m<sup>3</sup>  
Cement Type: Arctic set Cement  
Additives: 12% DO44 salt  
1% DO 65 Turbulence inducer

0.6% DO13 Retarder

0.2% DO46 Antifoam

Cement Top: Surface (17.905 M KB)

iii. Completion Fluid: Fresh water, no additives

19. Fishing Operations: not applicable

20. Well Kicks and Well Control Operations: not applicable

21. Formation Leak off Tests:

Leak Off test not conducted as the only casing that was drilled out was the conductor casing. As per regulations, Leak off test not required under conductor casing.

22. Abandonment Plugs:

- a. No Abandonment plugs were set.
- b. The well was completed with 178 mm casing to 397.5 meters and cemented to surface; the well was not drilled out.
- c. The well is now abandoned

23. Completion Record: Attached

24. Final Well Configuration: Attached

## 4. GEOLOGY

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Geological Summary:

Formation	Lithology	Approximate Depth
Pleistocene	Shale/ minor Siltstone	Surface
Lower Cretaceous	Shale / minor Sandstone	180 m
Paleozoic	Shale/Sandstone w/ Carbonates	340 m
Total Depth		401m KB

## 5. WELL EVALUATION

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### Coring Record

No cores were cut on this well.

### Gas Detection Report

No significant gas shows were encountered during the drilling of the well to TD of 401 meters KB. Neither trip gas nor connection gas was recorded while drilling.

### Drill Stem Tests

There were no tests on this well.

### Well Evaluation

The following logs were run when the well was drilled:

Array Induction - SP	399.5 meters to 153.5 meters
Compensated Neutron LithoDensity	399.5 meters to 153.5 meters
Cement Volume Log (Caliper)	399.5 meters to 153.5 meters
Temperature Log	399.5 meters to 153.5 meters

The following logs were run when the well was abandoned:

Radial cement bond log	386.0 meters to 50.0 meters
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## 6.APPENDICES

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# Canadian Petroleum Engineering Inc

Suite 900, 600 – 6th Avenue SW  
Calgary, Alberta T2P 0S5 Canada  
Telephone: 1 (403) 813-0719

Mr. Lorne Hammer - email: lhammer@cpe.ab.ca  
Mr. Ron McCosh - email: rmccosh@cpe.ab.ca



## Aurora Training Well G-04 Abandonment Final Report

Location Co-ordinates: Latitude 68° 23' 25.9 N  
Longitude 133° 045' 42.7' W

Approved By: Lorne Hammer

Date: 13-Aug-24

Ron McCosh

Date: 13-Aug-24

Prepared By: George Berrios

Date: 12-Aug-24



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- 4 DAILY REPORTS**
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# Canadian Petroleum Engineering Inc

## WELL SUMMARY

**WELL NAME:** Aurora College Test Well G-04 **AFE #:** \_\_\_\_\_  
**Location:** G-53 Grid 6830-13330 **AFE Amount:** \_\_\_\_\_  
**FIELD NAME:** N/A **SERVICE RIG USED:** TreeLine Service Rig #29  
**OBJECTIVE:** Downhole Abandonment and Cut & Capped Wellbore. **TOOLPUSH PHONE #:** \_\_\_\_\_  
**WELL STATUS:** Abandoned Wellbore

**DATE WORK STARTED:** 04-Mar-24 **DATE WORK FINISHED:** 28-Jul-24

**T.D.** 401.0 mKB **P.B.T.D.** 397.5 mKB **WID. #:** 1915

**ELEVATIONS:** Ground: 20.20 m KB: 25.3 m CF: \_\_\_\_\_

**DISTANCES:** KB-GR: \_\_\_\_\_ m KB-CF: \_\_\_\_\_ m KB-TSF: \_\_\_\_\_ m

**CASING BOWL:** Make: \_\_\_\_\_ Size: \_\_\_\_\_

**SERIAL NUMBER:** \_\_\_\_\_

**TUBING SPOOL:** Make: \_\_\_\_\_ Size: \_\_\_\_\_

**TUBING HANGER:** Type: \_\_\_\_\_ **SERIAL NUMBER:** \_\_\_\_\_

**FORMATION:** N/A

**PERFORATIONS:** N/A

**FORMATION:** \_\_\_\_\_

**PERFORATIONS:** N/A

**STIMULATION & FORMATION:** N/A

**PRODUCTION CASING:** Size: 177.8 mm. Landed @ 401.0 mKB

Wt. 47.62 kg/m; INTERVAL Surface m. to 401.0 m. Grade: L-80, BTC

Wt. \_\_\_\_\_ kg/m; INTERVAL \_\_\_\_\_ m. to \_\_\_\_\_ m. Grade: \_\_\_\_\_

Wt. \_\_\_\_\_ kg/m; INTERVAL \_\_\_\_\_ m. to \_\_\_\_\_ m. Grade: \_\_\_\_\_

**PRODUCTION LINER:** (opt.) Size: \_\_\_\_\_ mm. Landed @ \_\_\_\_\_ mKB

Wt. \_\_\_\_\_ kg/m; Liner Top @ \_\_\_\_\_ mKB Grade: \_\_\_\_\_

**TUBING:** Size: \_\_\_\_\_ mm. Landed @ \_\_\_\_\_ mKB

Wt. \_\_\_\_\_ kg/m; Grade: \_\_\_\_\_ Thread: \_\_\_\_\_ Coupling: \_\_\_\_\_

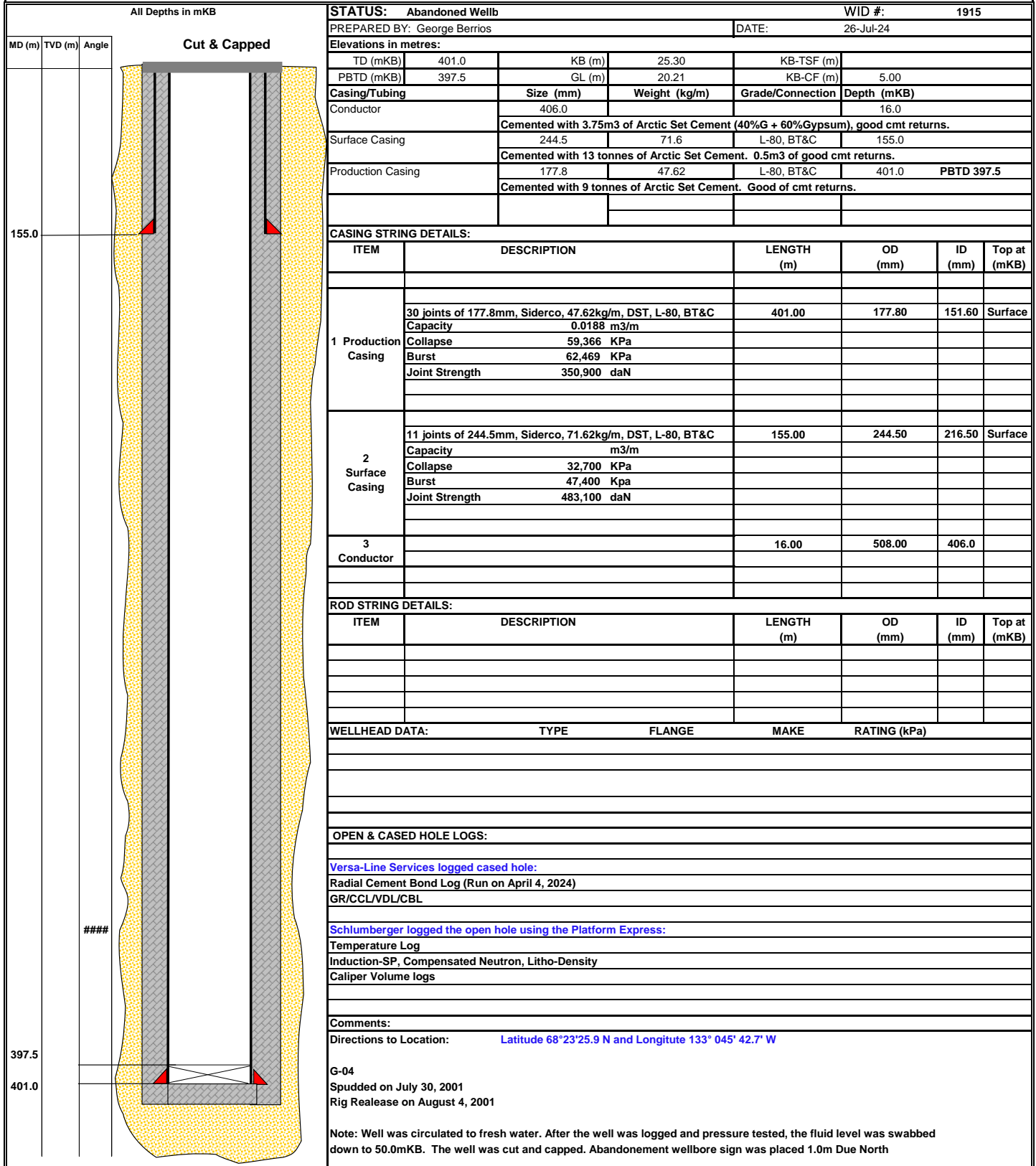
**JOB SUMMARY:** POOH 39 jts of 73mm tubing. Well was circulated to fresh water.  
Pressure tested 177.8mm Casing to 7000KPa for 10 minutes (April 2, 2024). Pressure held.  
RIH with a Radial Cement Bond Log (April 4, 24).  
Good Bond throughout the production string and Cement Top at Surface.  
The fluid level was swabbed down to 50.0mKB.  
The well was cut and capped. Abandonement wellbore sign was placed 1.0m Due North



# AURORA Training Well Inuvik G - 04

Unit G-53 Grid Area 68 30 – 133 30

## EXISTING WELLBORE DIAGRAM





# WELL HISTORY

## Aurora College Test Well G-04

Well Information		WID#: 1915
<p>Spud = July 30, 2001 RR = August 4, 2001</p> <p>KB = 25.3 m GR = 20.21 m PBSD = 397.50 mKB TD = 401.00 mKB</p> <p>KB - CF = m KB - TSF = 5.0m</p> <p>Surface Casing Details: 311mm hole to 155.0 mKB 11 Joints, 244.5mm, 71.62 kg/m, L-80 BTC casing landed @ 155.0 mKB Cemented with 13 tonnes (9.5m3) of Arctic Set Cement plus 12% 0044 salt, 1%DO 65 Turbulence Inducer, 0.6% 0013 Retarder, 0.2% 0046 Antifoam. Estimated Cement Top: Surface (17.905 m KB) Obtained good returns throughout the job, 0.5m3 of cement.</p> <p>Production Casing Details: 216 mm hole to 401.0 mKB (mud up @ m) 30 Joints, 177.8mm, 47.62 kg/m, L-80 BTC landed @ 401.0 mKB Cemented with 9 tonnes (5.5 m3)of Arctic Set Cement plus 12% 0044 salt, 1%DO 65 Turbulence Inducer, 0.6% 0013 Retarder, 0.2% 0046 Antifoam. Estimated Cement Top: Surface (17.905 m KB) Obtained good returns throughout the job. Estimated Cement Top @ Surface</p> <p>Casing Bowl: FMC 279.1mm x 244.5mm x 21 MPa (S/N: ) Tubing Bowl: FMC 279.4mm x 179.4mm x 21 MPa (S/N: )</p>		
DATE	WELL HISTORY	
<b>Note:</b>	Aurora College drilled the Aurora Training well G-04 wellbore as a training facility in the town site of Inuvik that would be used specifically for the training of Northwest Territories residents in safe oilfield practices. Stakeholders from Inuvik, PITS, CAPP, Aurora College and Akita Drilling were in support of the test well. Aurora College approached stakeholders in the oil and gas industry and government and received wholehearted support from all groups.	
February 28, 2024	Wellbore Abandonment (??) - \$	
February 28, 2024 February 29, 2024	Travel to Red Deer and inspect Equipment Travelled to Red Deer and all equipment was loaded and dropped of a Pressure Pump	
March 4, 2024	Travelled to Inuvik. Approval from Joyce Aala, Lands Officer of the Town of Inuvik (Phone No.: (867) 777-8605). Cleared the access road to the lease.	
Marh 16, 2024	Spotted E-line and prepared to run a gauge ring and CCL log. MU & RIH w/2.34" Gauge Ring and CCL log. Hard Tagged @ 306.0mKB. Based on the CCL log, it is estimated that there are 30 joints 73mm tubing in the hole.	
March 29, 2024	Suspended Operations. Wait on the Service Rig Travelled to Inuvik.	
April 1, 2024	Expanded the lease to make room for the service rig. Moved In, and spotted TreeLine Services Rig 29.	
April 3, 2024	RU rig and auxillary equipment. Reversed circulated well. Removed WH. RU BOPS and equipment. PT BOPS. Pressure tested the 177.8mm casing to 7000 kPa, for 10 minutes. It held ok.	
April 4, 2024	POOH tubing and lay down 40 joint of 73.0 mm tubing. Released Service Rig. Spotted& RU E-line. MU & RIH w/152mm Gauge Ring. Hard Tagged @ 386.0mKB. Made up Radial Bond Log tools and RIH with RBL.	
April 8, 2024	Run the Main logging pass from 386mKB to 50.0mKB. Good Bondvthroughout the production string.	
July 14, 2024 July 19, 2024	Suspended Operation until June 2024 Travelled to Inuvik. Performed a Gas Migration Test Using the "Eagle 2" data logger	
July 23, 2024	Tested Background gas. Drilled 50cm deep holes radially away from the wellbore every 5m. Submitted the results to OROGO, Ms. Pauline DeJong, OROGO approved the Gas Migration Test Results and granted CPE the go ahead to cut and cap the wellbore.	
July 25, 2024	Removed the wellhead and started to excavate around the wellhead. Measured the casing string 1.5m below ground level. Cut and capped the wellbore Installed the well's sign pole 1.0m due north from the well center. Backfilled and compacted the excavated area. Painted flourescent orange the sign's post and Installed a due North phasing sign.	
July 27, 2024	Remove all garbage and clean up the lease. Installed and secured the gate at the . South East. entrance of the lease.	
Final Report		



**Mar-24**

**Removed the snow from the wellsite and around the wellhead.**

**Valves were frozen and there was no movement on any of the valves**

**Required a heater and a blanket to warm up the wellhead**

**Valves were open: Checked & Monitor SICP & SITP  
Checked and monitor the Casing Vent**

**All pressures = 0.0 kPa**



**Versa-Line Electric line was available**

**Heated up wellhead for three hours.**

**Removed the wellhead and found the 73.0mm tubing in the wellbore.**

**MU & RIH with CCL, tagged bottom @ ~306.0mKB.**

**73.0mm tubing was landed close to PBTD  
(Estimated 32 jts of tubing in the hole)**

**(Students were practicing the well control teaching provided by Aurora College)**

**operations were suspended until the rig from M-18 was available**





## Canadian Petroleum Engineering Inc

**Jul-24**



**Wellsite was clear with some vegetation growing all around it.**

**Prepared to perform a Gas Migration Test.**

**Opened Valves: Checked & Monitor SICP & SITP  
Checked and monitor the Casing Vent**

**All pressures = 0.0 kPa**

**Perform Gas migration as per approved Program**

**Gas Migration was submitted for OROGO approval**



**Once OROGO approved the gas migration test**

**Excavated around the wellhead**

**Cut and Capped Wellbore**

**Measured and Installed the sign's post 1.0 meter  
Due North.**



**Back filled the excavation**

**Painted the post Flourenscent Orange**

**Installed the "Sign"**

**Installed Barracade and Gate on the South-East  
entrance**

**Secured Location and SD.**

**Abandonment Completed**



# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04 **DATE** February 28, 2024  
**LSD:** G-53 Grid 6830-13330 **DAY #** 1A  
**PURPOSE OF WORK:** Downhole Abandonment and Cut & Capped Wellbore. **AFE #**  
**DAILY OBJECTIVE:** Travel to Red Deer and Inspect Equipment  
**CASING SIZE:** 177.8 mm **TUBING SIZE:** 73.0 mm  
**TD:** 401.0 mKB **PBD** 397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

TIME		MORNING PRESSURES (kPa)	SITP:	SICP:
FROM	TO	DESCRIPTION OF OPERATIONS		
7:30		Meet at CPE office with Mr. Lorne Hammer and Mr. Ron McCosh		
		Travel to Reed Deer to evaluate Seivices, equipment and certification.		
		As discussed in the meeting with Versa-Line the required gear for the operation.		
		Gear is divided into two compoments Versa-Line vs CPE requirements		
		Versa-line		
		- flange (will come with a 2" line pipe quarter turn valve)		
		- studs to bolt onto top side of orbit valve for our flange		
		- 7" studdy joint of lube		
		- pressure control x overs for our pressure control		
		- pressure control to swallow swabbing tool string		
		- check valve for vacuum caused when swabbing		
		- over shot for fishing tools if required		
		- jars and associated tool string		
		- gauge rings and required tooling to run gauge ring run		
		- swab cups		
		CPE		
		- confirm what orbit valve is required		
		- source out pump to pressure test casing		
		- source out hoses to tie pressure testing unit into wellhead		
		- source out hose or piping for swabbing operations		
		- source out vessels for fluid containment		
		- picker or crane for operations (we believe it will need to be at least a 16 T)		
		- washroom facilities (if desired)		
	18:00	Note: Baker's Logging tools will be run using Versa_Line's E-line.		

COSTS	
DAILY	\$ 2,020.00
PREVIOUS	-
CUMULATIVE	\$ 2,020.00
AFE AMOUNT	
UNDER / OVER AFE	\$2,020.00

	OIL (m3)	WATER (m3)
DAILY LOAD	0.0	0.0
PREVIOUS LOAD		
DAILY RECOVERY	0.0	0.0
LOAD TO RECOVER	0.0	0.0

**RIG SUPERVISOR:** George Berrios **MOBILE #:** 1 (403) 992-3302  
**WEATHER CONDITION:** Clear, -30 oC / -3 oC **LEASE CONDITION:**





# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

WELL NAME: Aurora College Test Well G-04 DATE February 29, 2024  
LSD: G-53 Grid 6830-13330 DAY # 1 B

PURPOSE OF WORK: Downhole Abandonment and Cut & Capped Wellbore. AFE #

DAILY OBJECTIVE: Drill stage tool, run casing scraper, circ to KCL water, POOH and run CBL.

CASING SIZE: 177.8 mm TUBING SIZE: 73 mm  
TD: 401.0 mKB PBD 397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON MCCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

TIME		MORNING PRESSURES (kPa)	SITP:	SICP:
FROM	TO	DESCRIPTION OF OPERATIONS		
7:00		Conference Call with Mr. Lorne Hammer and Mr. Ron McCosh and Vesa-Line Travel to Reed Deer to evaluate Services, equipment and certification.		
		As discussed in the meeting with Team Snubbing required gear for the operation. Gear is divided into two components Team Snubbing vs CPE requirements		
		Team Snubbing		
		1 - 120, 7-1/16" 5K snubbing unit C/W single gate stripping ram, 1 stripping annular. 4 sets of full opening slips with rotary table.		
		1 - 7-1/16 2k by 7-1/16 3k DSA flange along with rings and bolt up.		
		1 - 5-1/2 Power tongs good to 9900ft/lbs.		
		2 - 4-1/2 power Tongs good to 4425ft/lbs.		
		3 - Spacer spools 0.3m, 0.6m, & 1.0m.		
		1 - 2-7/8 single joint drill pipe elevator also regular single Joint tubing elevators.		
		1 - Milling clamp.		
		2 - 36ft 5k, 2" 1502 Kelly hoses along with clean-out kit 2-7/8 EUE X 1502, cross over, TBG swivel.		
		Circulating Chiksan		
		2 - 2-7/8 EUE safety valves		
		1 - Full set of grip face slip dies		
		1 - Full set of 3-1/8" slip dies		
		4 - Guid lines chains.		
		1 - Winter package Tarps		
		CPE		
		8 - Anchor blocks or 4 screw anchors		
		1 - 45Ton picker		
		1 - Master valve Primary well shut in 7-1/16 X ??k with bolt up		
		1 - Primary BOP Annular or single gate pipe ram 2-7/8" manual or Hydraulic		
	19:00	**Note Snubbing unit can sub in as a closing unit for the primary BOP via spare		

COSTS	
DAILY	\$ 2,020.00
PREVIOUS	\$ 2,020.00
CUMULATIVE	\$ 4,040.00
AFE AMOUNT	
UNDER / OVER AFE	\$4,040.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

RIG SUPERVISOR: George Berrios

MOBILE #: 1 (403) 992-3302

WEATHER CONDITION: Clear, -5 oC

LEASE CONDITION: Snow covered



<b>WELL NAME:</b>	Aurora College Test Well G-04		<b>DATE</b>	March 4, 2024
<b>LSD:</b>	G-53 Grid 6830-13330		<b>DAY #</b>	1
<b>PURPOSE OF WORK:</b>	Downhole Abandonment and Cut & Capped Wellbore.		<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Discuss the Trip and Priorities			
<b>CASING SIZE:</b>	177.8 mm	<b>TUBING SIZE:</b>	73 mm	
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB	

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**LEASE CONDITION:** Snow covered.

# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04

**DATE** March 5, 2024

**LSD: G-53 Grid 6830-13330**

DAY # 2

**PURPOSE OF WORK:** Downhole Abandonment and Cut & Capped Wellbore.

**AFE #**

**DAILY OBJECTIVE:** Travelling to Inuvik

**CASING SIZE:** 177.8 mm

**TUBING SIZE:** 73 mm

**TD:** 401.0 mKB

**PBTD** 397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

COSTS	
DAILY	\$ 2,250.00
PREVIOUS	\$ 8,340.00
CUMULATIVE	\$ 10,590.00
AFE AMOUNT	
UNDER / OVER AFE	\$10,590.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE # 1 (403) 992-3302**

**WEATHER CONDITION:** Sunny -36°C

**LEASE CONDITION:** Snow covered

# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 6, 2024
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LSD:	G-53 Grid 6830-13330	DAY #	3
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<b>PURPOSE OF WORK:</b> Downhole Abandonment and Cut & Capped Wellbore.	<b>AFE #</b>
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**DAILY OBJECTIVE:** Check Lease condition, Mtg Contractors

**CASING SIZE:** 177.8 mm      **TUBING SIZE:** 73 mm

<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB
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FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$ 10,590.00
CUMULATIVE	\$ 12,990.00
AFE AMOUNT	
UNDER / OVER AFE	\$12,990.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Sunny -31°C

**LEASE CONDITION:** Snow Covered

# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04 **DATE** March 7, 2024

LSD:	G-53 Grid 6830-13330	DAY #	4
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**PURPOSE OF WORK:** Downhole Abandonment and Cut & Capped Wellbore. **AFE #** \_\_\_\_\_

**DAILY OBJECTIVE:** Build Access Road into location

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

COSTS	
DAILY	\$ 3,300.00
PREVIOUS	\$ 12,990.00
CUMULATIVE	\$ 16,290.00
AFE AMOUNT	
UNDER / OVER AFE	\$16,290.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE # 1 (403) 992-3302**

**WEATHER CONDITION:** Sunny -30°C

**LEASE CONDITION:** Snow Covered



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 8, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	5

**DAILY OBJECTIVE:** Build Access Road into location

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$ 16,290.00
CUMULATIVE	\$ 18,690.00
A/E AMOUNT	
UNDER / OVER A/E	\$18,690.00

**LEASE CONDITION:** Snow Covered



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 9, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	6

**DAILY OBJECTIVE:** Build new Access Road into location

<b>CASING SIZE:</b>	<u>177.8 mm</u>	<b>TUBING SIZE:</b>	<u>73 mm</u>
<b>TD:</b>	<u>401.0 mKB</u>	<b>PBTD</b>	<u>397.5 mKB</u>

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

COSTS	
DAILY	\$ 5,020.00
PREVIOUS	\$ 18,690.00
CUMULATIVE	\$ 23,710.00
A/E AMOUNT	
UNDER / OVER A/E	\$23,710.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:** Snow Covered



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 10, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	7

**DAILY OBJECTIVE:** Build new Access Road into location

<b>CASING SIZE:</b>	<u>177.8 mm</u>	<b>TUBING SIZE:</b>	<u>73 mm</u>
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$ 23,710.00
CUMULATIVE	\$ 26,110.00
A/E AMOUNT	
UNDER / OVER A/E	\$26,110.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:** Cleared





# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04 **DATE:** March 11, 2003  
**LSD:** G-53 Grid 6830-13330 **DAY #** 8  
**PURPOSE OF WORK:** Downhole Abandonment and Cut & Capped Wellbore. **AFE #**  
**DAILY OBJECTIVE:** Clear snow around the wellhead  
**CASING SIZE:** 177.8 mm **TUBING SIZE:** 73 mm  
**TD:** 401.0 mKB **PBTD** 397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

TIME		MORNING PRESSURES (kPa)	SITP:	SICP:
FROM	TO	DESCRIPTION OF OPERATIONS		
		Today's Weather - Cloudy, snowing lightly, -29°C with a breeze. Feels like -38°C		
7:00		Traveled to location and check lease conditions.		
		Held a Safety Meeting between Allen Service Personnel and CPE. Ensure PPE is used hearing protection, Hi-Vis Clothing, a hard hat, proper footwear, and gloves. Inspect the equipment and tools.		
		Identify risks in the job tasks and provide controls for each of the risks. Develop a working-alone .		
		Communicate to others, including services and contractors, that may be affected by the work activity, that there will be a someone working alone.		
		There were two visitors today. Roger of NTPC came this afternoon. We discussed the "Safe Limit of Approached Distances" as per Schedule 4. NTPC will come out when we move the equipment in/out of the location.		
		Mr. Mike Martin and Mr. Brandon Brandbury from OROGO came by, we talked about the well's history and past operations. Both gentlemen were looking forward to seeing the equipment operating. If we move equipment tomorrow, it will be Interested looking at the set-up.		
		Removed the snow around the fence of the wellhead and removed a section of the fence to clear the snow.		
		Cut the lock and try to operate the valves. No movement. Ran the chain around the valves and locked the chain together.		
	18:00	Traveled to location, ensure the road block was installed. SDFN.		

COSTS	
DAILY	\$2,400.00
PREVIOUS	\$26,110.00
CUMULATIVE	\$28,510.00
AFE AMOUNT	
UNDER / OVER AFE	\$28,510.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE # 1** (403) 992-3302

**WEATHER CONDITION:** Cloudy -31°C

**LEASE CONDITION:** Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 12, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	9

**DAILY OBJECTIVE:** Clear snow around the wellhead

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$28,510.00
CUMULATIVE	\$ 30,910.00
AFE AMOUNT	
UNDER / OVER AFE	\$30,910.00

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:** Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 13, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	10

**DAILY OBJECTIVE:** \_\_\_\_\_

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$ 30,910.00
CUMULATIVE	\$ 33,310.00
AFE AMOUNT	
UNDER / OVER AFE	\$33,310.00

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:** Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04		<b>DATE</b>	March 14, 2003
<b>LSD:</b>	G-53 Grid 6830-13330		<b>DAY #</b>	11
<b>PURPOSE OF WORK:</b>	Downhole Abandonment and Cut & Capped Wellbore.		<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Remove the tree and install the Orvbit Valve			
<b>CASING SIZE:</b>	177.8 mm	<b>TUBING SIZE:</b>	73 mm	
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB	

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**LEASE CONDITION:** Cleared



**LEASE CONDITION:** Cleared



**LEASE CONDITION:** Cleared



WELL NAME:	Aurora College Test Well G-04	DATE	March 17, 2003
LSD:	G-53 Grid 6830-13330	DAY #	14

**DAILY OBJECTIVE:** Wait on the Snubbers

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$ 80,559.00
CUMULATIVE	\$ 82,959.00
AFE AMOUNT	
UNDER / OVER AFE	\$82,959.00

**LEASE CONDITION:** Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 18, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	15

**DAILY OBJECTIVE:** Wait on the Snubbers

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$ 82,959.00
CUMULATIVE	\$ 85,359.00
AFE AMOUNT	
UNDER / OVER AFE	\$85,359.00

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:** Cleared





<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 19, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	16
<b>PURPOSE OF WORK:</b>	Downhole Abandonment and Cut & Capped Wellbore.	<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Suspended Operations		

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON MCCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

COSTS	
DAILY	\$ 2,400.00
PREVIOUS	\$ 85,359.00
CUMULATIVE	\$ 87,759.00
AFE AMOUNT	
UNDER / OVER AFE	\$87,759.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:** Cleared





# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

WELL NAME: Aurora College Test Well G-04 DATE March 27, 2003  
LSD: G-53 Grid 6830-13330 DAY # 18

PURPOSE OF WORK: Downhole Abandonment and Cut & Capped Wellbore. AFE #

DAILY OBJECTIVE: Call Services and arranged accommodations

CASING SIZE: 177.8 mm TUBING SIZE: 73 mm  
TD: 401.0 mKB PBDT 397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON MCCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

TIME		MORNING PRESSURES (kPa)	SITP: -	SICP: -
FROM	TO	DESCRIPTION OF OPERATIONS		
8:00		Worked with services coming from M-18. Arrange Accommodations and Ensure the E-line has all the right logging tools to do the job in Inuvik G-04.		
		The following tools were moved from Red Deer.		
	18:00	Rental trailer in Inuvik	6- Empty water jugs	
		Arctic Storage and Rentals	1 Red mag-inside	
		867 777 45410	3- 009E Dets	
		1 Tube-	3- Squibs	
		2 CBL centralizers	Calibration Ring	
		1- Short Black tube	3- Shock subs	
		1- CBL centralizer	2- Hotfoots	
		2- Tubes	Tie down straps	
		Bond Sections		
		2- Tubes		
		Bond Sections		
		1- Tube		
		GR/CCL		
		1 Case		
		MTD		
		GR/CCL		
		1 Case		
		Go well Centralizers		
		1 case		
		56 Arm caliper		
		6 joints of 5" bailer		
		2-177mm BP		
		1- setting Sleeve		
		20- Bags of cement		
		1 pail of step studs		
		Mixing Barrel/wand/Funnel		
		landing Plate/Smash sub/Lifting ring		
		wrenches for Gowell tools		

COSTS	
DAILY	\$ 1,900.00
PREVIOUS	\$ 97,559.00
CUMULATIVE	\$ 99,459.00
AFE AMOUNT	
UNDER / OVER AFE	\$99,459.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

RIG SUPERVISOR: George Berrios

MOBILE # 1 (403) 992-3302

WEATHER CONDITION:

LEASE CONDITION:



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 28, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	19
<b>PURPOSE OF WORK:</b>	Downhole Abandonment and Cut & Capped Wellbore.	<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Call Services and arranged accommodations		

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

<b>COSTS</b>	
<b>DAILY</b>	
<b>PREVIOUS</b>	
<b>CUMULATIVE</b>	2020.00
<b>A/E AMOUNT</b>	
<b>UNDER / OVER A/E</b>	<b>\$2,020.00</b>

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE # 1 (403) 992-3302**

WEATHER CONDITION:

**LEASE CONDITION:**



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	March 29, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	20
<b>PURPOSE OF WORK:</b>	Downhole Abandonment and Cut & Capped Wellbore.	<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Call Services and arranged accommodations		

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

<b>COSTS</b>	
<b>DAILY</b>	\$ 1,900.00
<b>PREVIOUS</b>	\$ 99,459.00
<b>CUMULATIVE</b>	#####
<b>A/E AMOUNT</b>	
<b>UNDER / OVER A/E</b>	<b>\$101,359.00</b>

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:**

# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04 **DATE** March 30, 2003

LSD:	G-53 Grid 6830-13330	DAY #	21
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<b>PURPOSE OF WORK:</b> Downhole Abandonment and Cut & Capped Wellbore.	<b>AFE #</b>
-------------------------------------------------------------------------	--------------

**DAILY OBJECTIVE:** Call Services and arranged accommodations

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Roughneck #1	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #2	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #3	

[illegible]

COSTS	
DAILY	\$ 1,900.00
PREVIOUS	#####
CUMULATIVE	#####
A/E AMOUNT	
UNDER / OVER A/E	\$103,259.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE # 1 (403) 992-3302**

**WEATHER CONDITION:** Cloudy -12°C

**LEASE CONDITION:** Cleared



**WELL NAME:** Aurora College Test Well G-04 **DATE** March 31, 2003

LSD:	G-53 Grid 6830-13330	DAY #	22
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<b>PURPOSE OF WORK:</b> Downhole Abandonment and Cut & Capped Wellbore.	<b>AFE #</b>
-------------------------------------------------------------------------	--------------

**DAILY OBJECTIVE:** Earthwork and start moving

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE # 1 (403) 992-3302**

**WEATHER CONDITION:** Cloudy -10°C

**LEASE CONDITION:** Cleared Snow



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	April 1, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	23

**DAILY OBJECTIVE:** Moving Rig

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**MOBILE # 1 (403) 992-3302**

**LEASE CONDITION:** Cleared



# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04

**DATE** April 2, 2003

**LSD: G-53 Grid 6830-13330**

DAY # 24

**PURPOSE OF WORK:** Downhole Abandonment and Cut & Capped Wellbore.

**AFE #**

**DAILY OBJECTIVE:** Rig Moving and spotting Equipment

**CASING SIZE:** 177.8 mm

**TUBING SIZE:** 73 mm

**TD:** 401.0 mKB

**PBTD** 397.5 mKB

<b>FORMATION</b>	<b>PERFORATIONS</b>	<b>RIG</b>	TreeLine Services Rig # 29
	- mKB	<b>Toolpush</b>	Lance Whitworth
	- mKB	<b>Driller</b>	Oscar Desjarlais
	- mKB	<b>Derrick</b>	Brodie Plett
<b>REPORT TAKEN BY:</b>		<b>Derrick #2</b>	Dallas Dobos
LORNE HAMMER	email: lhammer@cpe.ab.ca	<b>Roughneck #1</b>	Cayd Neilly
RON McCOSH	email: rmccosh@cpe.ab.ca	<b>Roughneck #2</b>	Lucas McBride

[illegible]

COSTS	
DAILY	\$ 19,692.00
PREVIOUS	\$158,016.00
CUMULATIVE	\$177,708.00
AFE AMOUNT	
UNDER / OVER AFE	\$177,708.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		19.5
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		19.5

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Cloudy -13°C

**LEASE CONDITION:** Cleared



# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

WELL NAME: Aurora College Test Well G-04 DATE April 3, 2003  
LSD: G-53 Grid 6830-13330 DAY # 25

PURPOSE OF WORK: Downhole Abandonment and Cut & Capped Wellbore. AFE #

DAILY OBJECTIVE: Circulate well to fresh water, PT, POOH Tbg

CASING SIZE: 177.8 mm TUBING SIZE: 73 mm  
TD: 401.0 mKB PBTD 397.5 mKB

FORMATION	PERFORATIONS	RIG	TreeLine Services Rig # 29
	- mKB	Toolpush	Lance Whitworth
	- mKB	Driller	Oscar Desjarlais
	- mKB	Derrick	Brodie Plett
REPORT TAKEN BY:		Derrick #2	Dallas Dobos
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	Cayd Neilly
RON MCCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	Lucas McBride

TIME	MORNING PRESSURES (kPa)	SITP:	SICP:
FROM	TO		
		DESCRIPTION OF OPERATIONS	
		Today's Weather - Sunny -14°C. Feels like -19°C	
8:00		I called truck rental and construction service providers. There was no reply. A message was left	
		Held a Safety Meeting between contractors and CPE. Ensure PPE is used, hearing protection, Hi-Vis Clothing, a hard hat, proper footwear, and gloves. Inspect the equipment and tools.	
		Identify risks in the job tasks and provide controls for each of the risks. Develop a working-alone.	
		Communicate to others, including services and contractors,	
		Discuss the daily operations with the crew. Bump tested personal monitors. Serviced and started the rig and support equipment.	
		Reversed circulated well to fresh water at reduced pump speed.	
		Once the well was circulated, we waited for 10 minutes to let any trapped air migrate to the surface.	
		Pressure tested the casing to 7000 kPa, for 10 minutes. It held ok.	
		Release the pressure and start to get ready for POOH Tubing.	
		POOH tubing and lay down 40 joint of 73.0 mm tubing. Rig was released	
		Rigged out the handling equipment and work floor. Removed the BOPs and installed the wellhead.	
		The pump lines, suctions and accumulator lines. Shut down and cooled down the boiler.	
		Rigged out the boiler lines. Flooded the boiler	
		A crane was moved to assist with the rig' move.	
		Prepared to lower the derrick. Scoped the derrick down. Removed the winch lines and the drill line from the drums. Laid over the derrick. Wrapped up all lines. Set drill line spools in the derrick and strapped down. Spooled the sand line onto the drum. Removed the derrick and loaded on a truck and secured the load. Loaded the carrier on a truck and secured. Vacuum truck emptied the rig tank and the boiler. Loaded the skid pump and moved off location. T-bed set the skid and tank for a double suck load. Loaded the boiler and escape stairs on a tractor/trailer. Loaded the skid and tank on a tractor trailer, walk around lease inspection ensured all garbage was picked up. Hauled the doghouse to Northwind's yard and loaded on a trailer.	
		Waiting on logging tools.	
	22:00	Secured Location & SDFN	

COSTS	
DAILY	\$ 23,578.00
PREVIOUS	\$177,708.00
CUMULATIVE	\$201,286.00
AFE AMOUNT	
UNDER / OVER AFE	\$201,286.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		19.5
PREVIOUS LOAD		-16.0
DAILY RECOVERY		3.5
LOAD TO RECOVER		

RIG SUPERVISOR: George Berrios

MOBILE #: 1 (403) 992-3302

WEATHER CONDITION: Cloudy -13°C

LEASE CONDITION: Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	April 4, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	26
<b>PURPOSE OF WORK:</b>	Downhole Abandonment and Cut & Capped Wellbore.	<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	RU and RIH w/Radial Bond Tools		

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Derrick #2	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	

[illegible]

COSTS	
DAILY	\$382,402.00
PREVIOUS	\$201,286.00
CUMULATIVE	\$583,688.00
AFE AMOUNT	
UNDER / OVER AFE	\$583,688.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		19.5
PREVIOUS LOAD		
DAILY RECOVERY		-11.3
LOAD TO RECOVER		8.2

**LEASE CONDITION:** Cleared

# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04 **DATE** April 5, 2003

LSD:	G-53 Grid 6830-13330	DAY #	27
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**PURPOSE OF WORK:** Cut and Cap the Wellbore **AFE #** \_\_\_\_\_

**DAILY OBJECTIVE:** RU and RIH w/Radial Bond Tools

**CASING SIZE:** 177.8 mm      **TUBING SIZE:** 73 mm

**TD:** 401.0 mKB      **PBTD** 397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Derrick #2	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	

[illegible]

COSTS	
DAILY	\$ 2,650
PREVIOUS	\$ 583,688
CUMULATIVE	\$ 586,338
A/E AMOUNT	
UNDER / OVER A/E	\$586,338.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		19.5
PREVIOUS LOAD		
DAILY RECOVERY		-11.3
LOAD TO RECOVER		<b>8.2</b>

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Cloudy -14°C

**LEASE CONDITION:** Cleared



**WELL NAME:** Aurora College Test Well G-04 **DATE** April 6, 2003

LSD:	G-53 Grid 6830-13330	DAY #	28
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PURPOSE OF WORK: Cut and Cap the Wellbore	AFE #
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**DAILY OBJECTIVE:** Ensure E-line is loaded and ready to be transported to Alberta

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Cloudy -14°C

**LEASE CONDITION:** Cleared





**LEASE CONDITION:** Cleared



**LEASE CONDITION:** Cleared



# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04 **DATE** April 10, 2003

LSD:	G-53 Grid 6830-13330	DAY #	32
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PURPOSE OF WORK: Cut and Cap the Wellbore	AFE #

**DAILY OBJECTIVE:** Suspepdnd Operations until June 2024

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Derrick #2	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	

[illegible]

COSTS	
DAILY	\$ 2,150
PREVIOUS	\$ 599,038
CUMULATIVE	\$ 601,188
AFE AMOUNT	
UNDER / OVER AFE	\$601,188.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

WEATHER CONDITION:

**LEASE CONDITION:**

# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

**WELL NAME:** Aurora College Test Well G-04

**DATE** July 15, 2003

**LSD: G-53 Grid 6830-13330**

DAY # 33

**PURPOSE OF WORK:** Cut and Cap the Wellbore

**AFE #**

**DAILY OBJECTIVE:** Resume Abandonment Operations

**CASING SIZE:** 177.8 mm

**TUBING SIZE:** 73 mm

**TD:** 401.0 mKB

PBTD	397.5 mKB
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FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Derrick #2	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	

[illegible]

COSTS	
DAILY	\$ 6,507
PREVIOUS	\$ 601,188
CUMULATIVE	\$ 607,695
A/E AMOUNT	
UNDER / OVER A/E	\$607,695.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		19.5
PREVIOUS LOAD		-16.0
DAILY RECOVERY		3.5
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Sunny 24°C

**LEASE CONDITION:** Cleared



# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

WELL NAME: Aurora College Test Well G-04 DATE July 16, 2003

LSD: G-53 Grid 6830-13330 DAY # 34

PURPOSE OF WORK: Cut and Cap the Wellbore AFE #

DAILY OBJECTIVE: Perform Background Gas Migration Test

CASING SIZE: 177.8 mm TUBING SIZE: 73 mm  
TD: 401.0 mKB PBTD 397.5 mKB

FORMATION	PERFORATIONS	RIG
	- mKB	Toolpush
	- mKB	Driller
	- mKB	Derrick
REPORT TAKEN BY:	- mKB	Derrick #2
LORNE HAMMER	cpe.ab.ca - mKB	Roughneck #1
RON McCOSH	cpe.ab.ca - mKB	Roughneck #2

TIME		MORNING PRESSURES (kPa)		SITP:		-		SICP:		-	
FROM	TO	DESCRIPTION OF OPERATIONS									
		Today's Weather - Overcast 14°C and probability of rain in the morning.									
8:00		Travel to wellsite and measured the log (10m long x 0.55m Diameter) and pass the information to NorthWind to remove the log from the entrance. Visited NorthWind's office and left a message for Mr. Kurt Wainman.									
		Requested from NorthWind equipment to remove the log and a generator to perform the Gas Migration Test. Ordered the fluorescent Orange paint to paint the sign post.									
		Checked the Surface Casing Vent, there was no pressure (initial pressure) or flow for 10 minutes. Conducted a background gas test on the wellhead and on each corner for 20 minutes on each.									
		Summary - These are the results for the Wellsite Background Gas Test:									
			Time (mins)	CH4(100%LEL)	CH4(100.0vol%)	OXY(40.0vol%)	H2S(100.0ppm)	CO(500ppm)			
		Wellhead	0	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
			20	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
		North	0	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
			20	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
		South	0	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
			20	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
		West	0	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
			20	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
		East	0	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
			20	0 %LEL	0.0 vol%	20.9 vol%	0.0 ppm	0 ppm			
		Note - The Eagle 2 Serial No. E2G518 Gas Detector was calibrated on June 19, 2024 by a Procon Systems Technician.									
	18:00	SDFN									

COSTS	
DAILY	\$ 2,400
PREVIOUS	\$ 607,695
CUMULATIVE	\$ 610,095
AFE AMOUNT	
UNDER / OVER AFE	\$610,095.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

RIG SUPERVISOR: George Berrios

MOBILE #: 1 (403) 992-3302

WEATHER CONDITION: Overcast 18°C

LEASE CONDITION: Cleared



**LEASE CONDITION:** Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	July 18, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	36
<b>PURPOSE OF WORK:</b>	Cut and Cap the Wellbore	<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Removed the Log from the Entrance		

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Derrick #2	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	
RON MCCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	

[illegible]

COSTS	
DAILY	\$ 3,350
PREVIOUS	\$ 613,445
CUMULATIVE	\$ 616,795
AFE AMOUNT	
UNDER / OVER AFE	\$616,795.0

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**MOBILE #:** 1 (403) 992-3302

**LEASE CONDITION:** Cleared



# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

WELL NAME: Aurora College Test Well G-04 DATE July 19, 2003

LSD: G-53 Grid 6830-13330 DAY # 37

PURPOSE OF WORK: Cut and Cap the Wellbore AFE #

DAILY OBJECTIVE: Start the Gas Migration Test

CASING SIZE: 177.8 mm TUBING SIZE: 73 mm  
TD: 401.0 mKB PBTD 397.5 mKB

FORMATION	PERFORATIONS	RIG
	- mKB	Toolpush
	- mKB	Driller
	- mKB	Derrick
REPORT TAKEN BY:		Derrick #2
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1
RON MCCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2

TIME	MORNING PRESSURES (kPa)	SITP:	SICP:
FROM	TO		
DESCRIPTION OF OPERATIONS			
Today's Weather - Sunny and 25°C.			
8:00	Met Ms. Sarah Tilley at Aurora College to discuss the movement of the tubing and wellhead from the wellsite. Met with NorthWind Industries at their office, discuss the contaminated fluid movement to Whitehorse Called KBL Environmental and talked to Ms. Beacock in Whitehorse, ensure all the paper work required is in place before transporting the contaminated fluid (water/diesel) from NorthWind Yard to Whitehorse. Emailed the NWT Hazardous Waste Generator number granted by the Department of Environment and Climate Change at Government of NWT and Northwind's Transportation Manifest to Ms. C. Beacock at KBL Environmental.		
	Held a Safety Meeting, ensure PPE is used, hearing protection, Hi-Vis Clothing, a hard hat, proper footwear, and gloves. Inspect the equipment and tools. Identify risks in the job tasks and provide controls for each of the risks. Develop a working-alone. Communicate to others, including services and contractors that may be affected by the work activity, that there will be someone working alone.		
	Measured testing distances from the wellhead to drill a 50.0cm by 5.1cm pilot holes.		
	Marked the distances as per program as follows: 0.3m, 5.0m, 10.0m, 15.0m, 20.0m. Due East and Due South. Drilled 5, 50.0cm X 5.1cm holes Due East. Started the "Gas Migration Test" using the "Eagle 2 Gas Detector Monitor".		
	Summary of the Due East (from the wellhead) Gas Detection Test:		
	Distance from the WH (m)	Time (mins)	CH4(100 %LEL) CH4(100.0 vol%) OXY(40.0 vol%) H2S(100.0 ppm) CO(500 ppm)
	0.3	0	0 0 20.9 0 0
		20	0 0 20.9 0 0
	5	0	0 0 20.9 0 0
		20	0 0 20.9 0 0
	10	0	0 0 20.9 0 0
		20	0 0 20.9 0 0
	15	0	0 0 20.9 0 0
		20	0 0 20.9 0 0
	20	0	0 0 20.9 0 0
		20	0 0 20.9 0 0
19:00	Secured Location and SDFN		

COSTS	
DAILY	\$ 4,200
PREVIOUS	\$ 616,795
CUMULATIVE	\$ 620,995
AFE AMOUNT	
UNDER / OVER AFE	\$620,995.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

RIG SUPERVISOR: George Berrios

MOBILE #: 1 (403) 992-3302

WEATHER CONDITION: Sunny 22°C

LEASE CONDITION: Cleared



# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

WELL NAME: Aurora College Test Well G-04 DATE: July 20, 2003  
LSD: G-53 Grid 6830-13330 DAY #: 38  
PURPOSE OF WORK: Cut and Cap the Wellbore AFE #  
DAILY OBJECTIVE: Gas Migration Test

CASING SIZE: 177.8 mm TUBING SIZE: 73 mm  
TD: 401.0 mKB PBTD: 397.5 mKB

FORMATION	PERFORATIONS	RIG
	- mKB	Toolpush
	- mKB	Driller
	- mKB	Derrick
REPORT TAKEN BY:		Derrick #2
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1
RON MCCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2

TIME		MORNING PRESSURES (kPa)		SITP:		SICP:																																																												
FROM	TO	DESCRIPTION OF OPERATIONS																																																																
		Today's Weather - Sunny and 23°C.																																																																
8:00		Held a Safety Meeting, ensure PPE is used, hearing protection, Hi-/Vis Clothing, a hard hat, proper footwear, and gloves. Inspect the equipment and tools. Identify risks in the job tasks and provide controls for each of the risks. Develop a working-alone. Communicate to others, including services and contractors that may be affected by the work activity,that there will be someone working alone.																																																																
		Measured testing distances from the wellhead to drill a 50.0cm by 5.1cm pilot holes. Marked the distances as per program as follows: 5.0m, 10.0m, 15.0m, 20.0m. Due North and Due South.																																																																
		Drilled 5, 50.0cm X 5.1cm holes Due North and Due South. Started the "Gas Migration Test" using the "Eagle 2 Gas Detector Monitor".																																																																
		Summary of the Due North (from the wellhead) Gas Detection Test:																																																																
		<table><tr><th>Distance from the WH (m)</th><th>Time (mins)</th><th>CH4 (100% LEL)</th><th>CH4 (100.0 vol%)</th><th>OXY (40.0 vol%)</th><th>H2S (100.0 ppm)</th><th>CO (500 ppm)</th></tr><tr><td rowspan="2">5</td><td>0</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr><tr><td>20</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr><tr><td rowspan="2">10</td><td>0</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr><tr><td>20</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr><tr><td rowspan="2">15</td><td>0</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr><tr><td>20</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr><tr><td rowspan="2">20</td><td>0</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr><tr><td>20</td><td>0</td><td>0</td><td>20.9</td><td>0</td><td>0</td></tr></table>						Distance from the WH (m)	Time (mins)	CH4 (100% LEL)	CH4 (100.0 vol%)	OXY (40.0 vol%)	H2S (100.0 ppm)	CO (500 ppm)	5	0	0	0	20.9	0	0	20	0	0	20.9	0	0	10	0	0	0	20.9	0	0	20	0	0	20.9	0	0	15	0	0	0	20.9	0	0	20	0	0	20.9	0	0	20	0	0	0	20.9	0	0	20	0	0	20.9	0	0
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	19:00	Secured Location and SDFN																																																																

COSTS	
DAILY	\$ 5,000
PREVIOUS	\$ 620,995
CUMULATIVE	\$ 625,995
AFE AMOUNT	
UNDER / OVER AFE	\$625,995.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

RIG SUPERVISOR: George Berrios

MOBILE #: 1 (403) 992-3302

WEATHER CONDITION: Sunny 27°C

LEASE CONDITION: Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	July 21, 2003
<b>LSD:</b>	G-53 Grid 6830-13330	<b>DAY #</b>	39
<b>PURPOSE OF WORK:</b>	Cut and Cap the Wellbore	<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Conclude Gas Detection Test		

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Derrick #2	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	

COSTS	
DAILY	\$ 5,050
PREVIOUS	\$ 625,995
CUMULATIVE	\$ 631,045
A/E AMOUNT	
UNDER / OVER A/E	\$631,045.00

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**LEASE CONDITION:** Cleared





<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	July 22, 2003
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LSD:	G-53 Grid 6830-13330	DAY #	40
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PURPOSE OF WORK: Cut and Cap the Wellbore	AFE #

**DAILY OBJECTIVE:** Wellhead Maintance

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Sunny 28°C

**LEASE CONDITION:** Cleared



**WELL NAME:** Aurora College Test Well G-04 **DATE** July 23, 2003

LSD:	G-53 Grid 6830-13330	DAY #	41
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PURPOSE OF WORK: Cut and Cap the Wellbore	AFE #

**DAILY OBJECTIVE:** Wait on OROGO GM Test approval.

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Rain/Sun 22°C

**LEASE CONDITION:** Cleared



**WELL NAME:** Aurora College Test Well G-04 **DATE** July 24, 2003

LSD:	G-53 Grid 6830-13330	DAY #	42
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PURPOSE OF WORK: Cut and Cap the Wellbore	AFE #

**DAILY OBJECTIVE:** Cut and Cap Wellbore

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

TIME		MORNING PRESSURES (kPa)	SITP:	-	SICP:	-
FROM	TO	DESCRIPTION OF OPERATIONS				
		Today's Weather - Sunny 22°C.				
8:00		Traveled to location and checked lease conditions.				
		Met Bob's Welding personnel to remove the tubing and materials from the wellsite..				
		Held a Safety Meeting between BOB's Welding and CPE. Provided time for contractors to read CPE's "Safety Handbook". Ensure PPE is used, hearing protection, Hi-/Vis Clothing, a hard hat, proper footwear, and gloves. Discuss driving, load securement and loading/unloading tubulars and larger containers on the lowboy. Ensure the proper use of tiedown and secured in a manner that prevents it from becoming loose, unfastening, opening or releasing while the vehicle is in transit. Minimum number of Tiedowns required for the length and weight of the load. Loaded up the tubing and send it to Bob's boneyard.				
		Held a Safety Meeting between NorthWind Industries and CPE. Provided time for contractors to read CPE's "Safety Handbook" and discuss the hazards working in hot weather, working behavior, environmental protection, and risk of using excavator. Conduct a thorough inspection of the CAT Excavator. Checked for any damage, malfunction, or missing parts.				
		Ensure PPE is used, hearing protection, Hi-/Vis Clothing, a hard hat, proper footwear, and gloves.				
		Removed the wellhead and started to excavate around the wellhead. Ensure the operator was extremely careful around the casing to prevent any damaged to the 244.5mm casing. Excavated as per program a 6.0m by 2.5m bell hole around the wellbore ensuring the walls of the pit were properly sloped to ensure a safe entry/egress and to prevent sloughing in. Removed the cellar and built a safe entry/egress access to the the pit.				
	19:00	Secured Location and SDFN				

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Sunny 24°C

**LEASE CONDITION:** Cleared



**LEASE CONDITION:** Cleared



**LEASE CONDITION:** Cleared

# Canadian Petroleum Engineering Inc

## DAILY WELL DOWNHOLE ABANDONMENT AND CUT & CAP REPORT

<b>WELL NAME:</b>	Aurora College Test Well G-04	<b>DATE</b>	July 27, 2003
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LSD:	G-53 Grid 6830-13330	DAY #	45
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PURPOSE OF WORK: Cut and Cap the Wellbore	AFE #

**DAILY OBJECTIVE:** Collected sample and Secured Loation

<b>CASING SIZE:</b>	<u>177.8</u> mm	<b>TUBING SIZE:</b>	<u>73</u> mm
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB

FORMATION	PERFORATIONS	RIG	
	- mKB	Toolpush	
	- mKB	Driller	
	- mKB	Derrick	
REPORT TAKEN BY:		Derrick #2	
LORNE HAMMER	email: lhammer@cpe.ab.ca	Roughneck #1	
RON McCOSH	email: rmccosh@cpe.ab.ca	Roughneck #2	

[illegible]

COSTS	
DAILY	\$24,550.0
PREVIOUS	\$686,045.0
CUMULATIVE	\$710,595.0
A/E AMOUNT	
UNDER / OVER A/E	\$710,595.0

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**RIG SUPERVISOR:** George Berrios

**MOBILE #:** 1 (403) 992-3302

**WEATHER CONDITION:** Overcast 12°C

**LEASE CONDITION:** Cleared



<b>WELL NAME:</b>	Aurora College Test Well G-04		<b>DATE</b>	July 28, 2003
<b>LSD:</b>	G-53 Grid 6830-13330		<b>DAY #</b>	46
<b>PURPOSE OF WORK:</b>	Cut and Cap the Wellbore		<b>AFE #</b>	
<b>DAILY OBJECTIVE:</b>	Travel to Calgary			
<b>CASING SIZE:</b>	177.8 mm	<b>TUBING SIZE:</b>	73 mm	
<b>TD:</b>	401.0 mKB	<b>PBTD</b>	397.5 mKB	

[illegible]

LOAD FLUID		
	OIL (m3)	WATER (m3)
DAILY LOAD		
PREVIOUS LOAD		
DAILY RECOVERY		
LOAD TO RECOVER		

**LEASE CONDITION:**

**Canadian Petroleum Engineering Inc**

## FLUID INVENTORY

[illegible]

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2020.00







# Canadian Petroleum Engineering Inc

## Material & Equipment Transfer

Transfer Date: 23-Jul-24

MT#: \_\_\_\_\_

Voucher #: \_\_\_\_\_

Transferred from: Aurora College Test Well G-04

Transferred To: Bob's Welding Boneyard

Was Used For: Wellbore & Junk

To Be Used For: Junk

Credit AFE# / Property: No Value

Credit AFE# / Property: No Value

Notes:

Item #	Quantity	Units (# rods, m, etc.)	Description (includes all lengths, sizes, specs, manufacturer and serial number data)	Sub Feature Code	Original / New Unit Value (\$)	Condition	Transfer Unit Value (\$)	Transfer Amount (\$)
1	39	Jts	joints of used old tubing			E	\$0	\$0
2	1		Casing Bowl on the side (never used)			E	\$0	\$0
3	8		Brake Drums			E	\$0	\$0
4	1		Containment Box w/Casing thread protectors			E	\$0	\$0
5	1		Containment box with white rocks			E	\$0	\$0
6	1		Shed with snow fence and steel snow fence post			E	\$0	\$0
7	1		Tank (looks like a cut up water truck tank)			E	\$0	\$0
8	2	m	20m, 10" damaged culverts			E	\$0	\$0
9	2	m	40m, Wire rope (rusted)			E	\$0	\$0
10			Garbage (weather snow fence, clothing, snow fence post)			E	\$0	\$0
							\$0	\$0
							\$0	\$0
							\$0	\$0
							\$0	\$0
							\$0	\$0
SUBTOTAL								\$0
5% Warehouse Handling Fee								\$0
TOTAL								\$0

Condition:	Price	Description
Condition A	100%	New
Condition B	75%	Used but is sound and suitable for its original function without reconditioning
Condition C	50%	Used and suitable for its original function after reconditioning or which cannot be reconditioned for, but has a limited service in its original function.
Condition D	0%	Not suitable for its original function, but is usable for another function.
Condition E		Junk
Warehouse Handling Fee	5%	Fee that is chargeable on items coming out of Ketch Stock in Rycroft

Transferred By: George Berrios

Approval: Lorne Hammer

Entry Number: \_\_\_\_\_



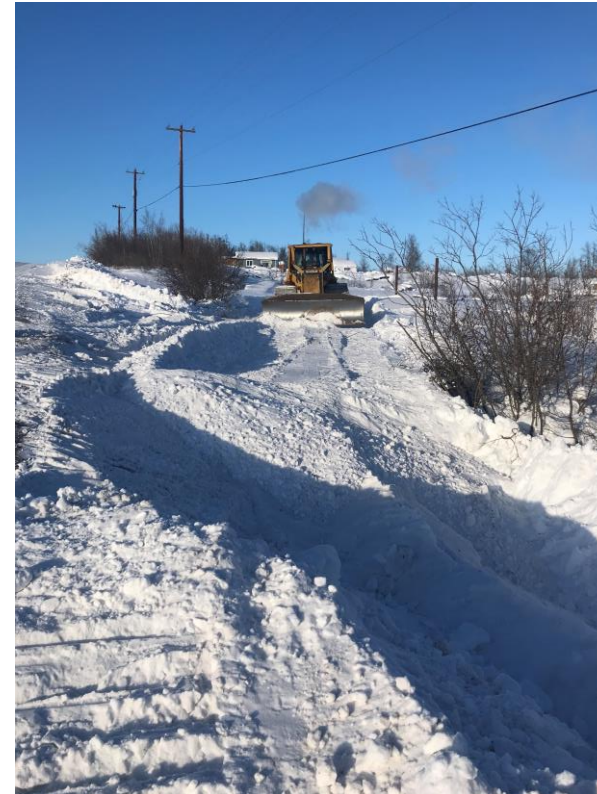
# Aurora College Training Well G-04

2024 Well Abandonment



# 2024 Well Abandonment

- ♦ G-04 well location – Early March 2024
- ♦ G-04 Construct Road access



# 2024 Well Abandonment

- ♦ Access off Inuvik-Tuk Highway– Early March 2024



- ♦ G-04 Location clear of snow





# 2024 Well Abandonment

- ♦ G-04 well location – Late March 2024



- ♦ G-04 with tubing hanger in wellhead



# 2024 Well Abandonment

- ♦ G-04 well with Versaline wireline truck
- ♦ G-04 Construct Road access July 2024





# 2024 Well Abandonment



- ♦ Gas Migration testing





# 2024 Well Abandonment

- ♦ Wellhead prior to excavation July 2024



Wellhead and casing  
following excavation





# 2024 Well Abandonment

- ♦ Site levelled after cut and cap performed
- ♦ Well Location marker

