



NORTHERN NON-RENEWABLE RESOURCES BRANCH
DIRECTION DES RESSOURCES NON-REMBOURSABLES DU NORD

WORK-OVER REPORT NO.

RAPPORT DE RECONDITIONNEMENT N°

Form to be submitted in duplicate not later than thirty days after completion of a work-over, to the District Conservation Engineer Department of Indian Affairs and Northern Development.

Faire parvenir cette formule en trois exemplaires, au plus tard trente jours après l'achèvement d'un reconditionnement à l'ingénieur en conservation du district ministère des Affaires Indiennes et du Nord canadien.

If additional space is required use back of form or attach additional sheets.

Au besoin utiliser le verso de la formule ou annexer des feuilles additionnelles.

WELL NAME - NOM DU PUIS		DATE WORK-OVER COMMENCED DATE DU DÉBUT DU RECONDITIONNEMENT
Columbia et al Kotaneelee YT H-38		February 8, 1980
DATE WORK-OVER COMPLETED DATE DE L'ACHÈVEMENT DU RECONDITIONNEMENT	DEPTH INTERVAL(S) WORKED - INTERVALLE(S) DE PROFONDEURS	
February 10, 1980	3675.2m-3682.9m 3669.5m-3675.2m	
WORK DONE BY - TRAVAUX EXÉCUTÉS PAR		
Schlumberger Canada Limited		
REASON FOR WORK-OVER - MOTIF DU RECONDITIONNEMENT		

To perforate lower pay zone to increase productivity of the well.

CHRONOLOGICAL SUMMARY OF WORK DONE - RÉSUMÉ CHRONOLOGIQUE DES TRAVAUX
(if more space is required attach additional sheet - Au besoin, annexer une feuille additionnelle)

Ran in and perforated from 3675.2m to 3682.9 with 13 shots/meter with 54mm Hyperdome tubing gun. Shot with a total of 101 shots. Ran in and perforated from 3669.5m to 3675.2 m with a 42.9 mm Hyperdome tubing gun with 13 shots/meter with a total of 74 shots. Ran Schlumberger Full Bore Flow Meter from below bottom perforations to centre of top perforations, making 3 sets of passes (up and down), with a flow rate of 218064m³ (7.7 MMcf/day) throughout.

RESULT OF WORK-OVER - RÉSULTAT DU RECONDITIONNEMENT

Based on the Flow Meter log, the productivity of the well has been increased. The Flow Meter log also indicated that there were a number of other perforations that were not producing and it is planned to do a major acid job to clean up all the perforations in the future.



Northern Non-renewable Resources Branch - Direction des ressources non renouvelables du Nord

Drilling Authority No.
N° de l'autorisation de forage

878

Date issued:
Date de délivrance:

1977-03-31

Application is made hereby to change the name of the well, recorded in the well Name Register as -

Nous demandons l'autorisation de modifier le nom d'un puits, inscrit au Répertoire des puits sous le nom de -

Old name - Ancien nom:

Columbia et al Kotaneelee YT H-38

Proposed new name - Nouveau nom proposé:

TO:
A: Columbia et al Kotaneelee YT B-38

WELL LOCATION - EMPLACEMENT DU Puits

LOCATION: EMPLACEMENT:	Unit - Unité B	Section 38	Grid - Échelle quadrillée 60° 10' 124° 00'
	Latitude 60° 07' 14.115"	Longitude 124° 06' 32.213"	

Unique Well Identifier - Code de l'ordinateur

300B386010124000

Universal Well Location Reference - Références universelles d'emplacement du puits

60.12059° 124.10895°

Reason for Changing Well Name - Motif de modification du nom du puits

Kotaneelee area was surveyed in and approved on CLSR Plans 65955 and 65969 and this survey indicates that the surface location referred to as H-38 should really be B-38.

Date at: Calgary this 8th day of September 19 80
Daté à: ce 8th jour de Septembre 19 80

Signed by - Signé par: *S.R. Brubaker* Title - Titre: Manager, Drilling Operations Company - Société: Columbia Gas Development of Canada Ltd.

BRANCH USE ONLY - À L'USAGE DE LA DIRECTION

APPROVED - APPROUVÉ - This application has been examined and approved.
Demande étudiée et approuvée:

Date: 1980-09-25 District Conservation Engineer - Ingénieur en conservation du district

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COLUMBIA ET AL KOTANEELEE YT B-38

Workover Report

October 3, 1980

Present Operation: Laying down 4 1/2" tubing.

Stand by. Wait on freepoint equipment. Equipment and personnel arrived at 11:30. Rig to run freepoint. Run same. Tag bottom. Rig up. Tools quit working, POH. Repair tools. Rerun freepoint to 3500 m KB. Set tools, tools quit working. POH, repair tools. Rerun tools, tool freepoint reading 3500m. Pipe free. Run 2.750 explosive cutter. Fired cutter at 3500m. Pull 100,000 daN. Pipe came free. POH with wireline. Rig out wireline. Rig up pipe laying down machine. Started to pull tubing at 0245 hrs. 112 jts. out at 0700 hrs.

Daily Cost - \$ 50,891
Cumulative - \$ 292,045

October 4, 1980

Present Operation: Picking up 89mm drill pipe.

Continue to pull 114mm tubing. Finished pulling and laying down tubing at 1730 hrs. Rig to pick up and run 89mm drill pipe, change pipe in BOP's from 114mm to 89mm. Make up BHA, 2 jts 146mm wash pipe, drive sub, hydraulic jars, bumper sub, 6-89mm drill collars, drill pipe to surface. Half way in hole at 0700 hrs.

Daily Cost - \$ 15,530
Cumulative - \$307,575

October 5, 1980

Present Operation: POH with wash pipe.

Continue to run 89mm drill pipe. Tag fill 5m on 374 jts. Rig up power swivel. Wash down to approximately 3514m. Circulate and condition hole to 0100 hrs. Circulate on bottom 5 hrs. Start to trip out. At 0700 hrs. 2/3 out with wash pipe.

Daily Cost - \$ 17,260
Cumulative - \$324,835

October 6, 1980

Present Operation: Trying to latch fish.

Continue to trip out w/wash pipe. Finish tripping out, lay down wash pipe. Make up overshot, 146mm with 88.9mm grapple and mill control, 3 stands collars, hydraulic jars, bumper sub, 89mm drill pipe to surface. Finish RIN, rig up power swivel. Mill on top of fish one hour. Pump pressure increased. Pick up off fish at 1830 hours, circulate and condition mud. Mud wt. 1190 pH 7.0. Cut mud weight back to 1150 and raised pH to 9.5

Daily Cost - \$ 16,895
Cumulative - \$341,730

AL FLANDERS

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COLUMBIA ET AL KOTANEELEE YT B-38

Workover Report

September 30, 1980

Present Operation: Work pipe, try to get free on bottom.

Service rig and finish mixing CaCl_2 kill fluid to 1150 density. Remove wellhead. Rig up BOP stack and sub. Pressure test BOP, blind rams and hydril okay. Could not get pipe rams to hold. Order new set of rams. Try to work pipe from 56000 daN to 86000 daN. Could not get free.

Daily Cost - \$ 22,377
Cumulative - \$206,038

October 1, 1980

Present Operation: Run freepoint tools

Continue to work pipe between 60,000 and 85,000 daN. Holding 4500 ft. lbs. torque in tubing string. Could not get free. Sent aircraft to Grand Prairie and Dawson Creek to pick up Homco and Schlumberger. Returned at 1730 hrs. Rig up to run freepoint. Took 8 hrs. - trouble with Schlumberger unit.

Daily Cost - \$ 18,709
Cumulative - \$224,744

October 2, 1980

Present Operation: Waiting on more freepoint equipment.

Run freepoint to 3494m. Try to get freepoint tool. Will not work. Tried several times - no success. POH w/freepoint. Make up chemical cutter, run in to 3501.24m. Picked up 1m, fired cutter. No indication of cut at surface. POH. Cutter did fire. Work pipe free 60,000-100,000 daN with and without torque. Pipe did not cut. Rig up and run explosive cutter to 3501.24m. Picked up 1m. Pull 100,000 daN on pipe, fired shot, no indication of fire on surface. POH. Tool shot, worked pipe between 50,000 and 100,000 daN. Pipe will not come free.

Daily Cost - \$ 16,410
Cumulative - \$241,154