



**Alvarez & Marsal Canada Inc.**  
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April 5, 2023

**Office of the Regulator of Oil and Gas Operations**  
PO Box 1320, Yellowknife, NT X1A 2L9  
[Pauline\\_DeJong@gov.nt.ca](mailto:Pauline_DeJong@gov.nt.ca); [Mike\\_Martin@gov.nt.ca](mailto:Mike_Martin@gov.nt.ca); [orogo@gov.nt.ca](mailto:orogo@gov.nt.ca)

**RE: OROGO Final Operations Report – Cameron C-19 – OA-2018-003-SOG**

As you are aware, on January 28, 2020 (the “**Receivership Date**”), the Court of Queen’s Bench of Alberta (the “**Court**”) granted an Order pursuant to section 243 of the Bankruptcy and Insolvency Act, RSC 1985, c. B-3 and section 13(2) of the Judicature Act, RSA 2000, c. J-2, whereby Alvarez and Marsal Canada Inc. (the “**NWT Receiver**”) was appointed Receiver, without security, of all of the current and future assets, undertakings and properties of Strategic Oil and Gas Ltd. and Strategic Transmission Ltd. (collectively, “**Strategic**” or the “**Company**”) situated in the Northwest Territories (the “**NWT Property**”). For further information on the Receivership proceedings, please visit the NWT Receiver’s website at: [www.alvarezandmarsal.com/sog](http://www.alvarezandmarsal.com/sog).

The NWT Receiver, the Government of the Northwest Territories and ELM Inc. (“**ELM**”) entered into an abandonment agreement for the purposes of completing the abandonment work required by the office of the Regulator of Oil and Gas Operations (“**OROGO**”).

The NWT Receiver respectfully endorses the submission made by ELM to OROGO for the purposes of this final operations report.

Should you have any questions or require further information, please contact the undersigned at [dmacrae@alvarezandmarsal.com](mailto:dmacrae@alvarezandmarsal.com).

Yours truly,

**Alvarez & Marsal Canada Inc., in its capacity as Receiver of  
Strategic Oil & Gas Ltd. and Strategic Transmission Ltd.’s NWT Properties  
and not in its personal or corporate capacity**

cc: Christopher Gagnon [Christopher@elminc.ca](mailto:Christopher@elminc.ca)

*Encl.*

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April 5, 2023

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

By Email: [orogo@gov.nt.ca](mailto:orogo@gov.nt.ca)

**RE: Final Operations Report – Cameron C-19 (ACW-2023-SOG-C-19-WID 1767)**

ELM Inc, acting on behalf of Alvarez & Marsal Canada Inc in their capacity as the receiver for Strategic Oil and Gas Ltd submits the following documents as part of the final reporting for this well.

1. Well Termination Record
2. Morning Reports
3. Final well schematic
4. Photographs from cut and cap operation.

This well requires gas migration testing in the frost-free months of 2023 before it can be considered “abandoned”. ELM and Alvarez & Marsal will organize the gas migration testing and inform OROGO as required. Once gas migration testing has been successfully completed, a Change of Well Status form will be submitted.

Should you have any questions or require further information, please contact the undersigned at [christopher@elminc.ca](mailto:christopher@elminc.ca)

Sincerely,

Christopher Gagnon, EIT

ELM Inc, acting as a consultant to Alvarez & Marsal Canada Inc

## WELL TERMINATION RECORD

**INSTRUCTIONS:**

1. Complete both pages.
2. Send one electronic copy of this form and supporting technical documentation 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	Strategic et al Cameron C-19	Operator	Strategic Oil & Gas Ltd
Well Type	Exploratory Well (if Other, specify _____)	Contractor	Elm Inc
Well Identifier	1767	Current Well Status	Suspended

**RELATED LICENCES AND AUTHORIZATIONS**

Operating Licence No.	NWT-OL-2014-007	Operations Authorization	OA - 2018-003-SOG
PRA Licence No.	Production Licence 5	Approval to Alter Condition of Well	ACW - 2023-SOG-C-19-WID 1767

**LOCATION INFORMATION**

Coordinates      Datum: NAD27 (if Other, please specify \_\_\_\_\_)

Surface	Lat 60° 8' 7"	Long 117° 33' 8"
Bottom Hole	Lat 60° 8' 7"	Long 117° 33' 8"

Region: South Sl<sup>e</sup> Unit C      Section 19      Grid 60-10N 117-30W

**ACTIVITY INFORMATION**

Target Formation(s)	Keg River / Sulphur PT	Field/Pool(s)	Cameron Hills /
Elevation KB/RT	786.3 m	Ground Level / Seafloor	782.8 m
Spud/Re-entry Date	2 days	Total Depth	1668 m KB
Rig Release Date	March 2, 2023	Total Vertical Depth	1668 m KB

**CASING AND CEMENTING PROGRAM**

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing (m <sup>3</sup> )
244.5	53.57	J-55	395	30.4
139.7	23.07	K-55	1668	51.8



PLUGGING PROGRAM				
Type of Plug	Interval (m KB)	Felt	Setting Depth (m KB)	Cementing (m <sup>3</sup> )
Bridge	1538.0-1543.0	No	1543.0	0.06
Bridge	1385.7-1426.0	No	1426.0	0.5
Select	-	Select		
Select	-	Select		

PERFORATION	
Interval (m KB)	Comments
1549.0-1555.5	Keg River - Previously Abandoned
1438.0-1451.3	Sulphur Point - Previously Abandoned
-	
-	

OTHER	
Lost Circulation/Overpressure Zones	
Equipment Left on Site (Describe)	None
Provision for Re-entry (Describe and attach sketch)	Cut and capped 2.1 meters below ground level
Other Downhole Completion/Suspension	
Additional Comments	Well requires gas migration testing in the frost free months of 2023 to be considered "abandoned"

<i>"I certify that the information provided on this form is true and correct"</i>			
Name	Duncan MacRae	Phone	( 403)538-7514Ext
Title	Vice President	E-Mail	dmacrae@alvarezandmarsal.com
Operator	Alvarez & Marsal Canada Inc., in its capacity as receiver of Strategic Oil & Gas's NWT Property		
Signature	 <i>Responsible Officer of Company</i>		
	Date	April 5, 2023	

**NOTE:** This sheet is protected. Unprotect the sheet to make changes and protect once complete.



## DAILY REPORT

CLIENT:	Strategic Oil & Gas C/O Alvarez & Marsal	DATE:	February 28, 2023
UWI:	300/C-19 60-10N 117-30W	Report #:	1
PROJECT MANAGER:	Christopher Gagnon	AFE #:	

Proj # / AFE / Job Number:	STRA050	AFE Amount:	\$143,804.85	\$54,671.88
Project Descriptor: Well Abandonments				

Cost Coding	Surface Location	60.135450, -117.553000	AREA	Cameron Hills NWT
	License	1767		

### EXECUTIVE SUMMARY:

#### NWT App: ACW-2023-SOG-C-19-WID1767

Day 1: Moved in E-Line unit and completed Radial Cement Bond log as per program, sent information to office for interpretation. [Wait on Interpretation information](#).

Day 2: Do a surface casing bubble test. No bubbles in 10 min. Move in coil tubing, hot oiler, vac water boiler. Rig in coil tubing, run in hole with 44.5mm coil to PB @ 1385 m. Circulate hole over to fresh water 22 m3. Pull out of hole. Pressure test casing to 7000 kPa for 10 min. Solid test. Blow coil dry, rig out equipment. Paint well head. Well ready for cut and cap.

Day 3: No bubbles on surface vent. Conduct cut and cap on well. Well cut 2.1 meters below existing ground level.



## DAILY REPORT

<b>CLIENT:</b>	Strategic Oil & Gas C/O Alvarez & Marsal	<b>DATE :</b>	February 28, 2023
<b>UWI:</b>	300/C-19 60-10N 117-30W	<b>Report #:</b>	1
<b>PROJECT MANAGER:</b>	Christopher Gagnon	<b>AFE #:</b>	
<b>PROJECT NUMBER:</b>	STRA050	<b>AFE Amount:</b>	\$143,804.85
<b>Previous Costs to Date:</b>	\$0.00	<b>Current Days Costs:</b>	\$6,775.00
<b>OPERATIONS SUMMARY:</b>	Moved in E-Line unit boiler, vac and completed Radial Cement Bond log as per program, sent information to office for interpretation. <b>Wait on Interpretation</b> information.		

## **SUPERVISION CHARGES**

## Add new line to ELM CHARGES

### THIRD PARTY CHARGES

### Add new line to THIRD PARTY CHARGES

Service Provided	Man Hours	PO#	Ticket #	Contractor	Subtotal	Est.	Amount
E-Line Unit	12.00		23-0247-08	Titanium	\$6,775.00		\$6,775.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
							\$0.00
<b>Man Hours Total</b>		<b>12.00</b>			<b>Subtotal</b>		<b>\$6,775.00</b>
					<b>Management Fee</b>		<b>\$0.00</b>
					<b>Third Party Total</b>		<b>\$6,775.00</b>

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Time	Well Abandonments
7:00:00 AM	Arrived on location bump test and sweep location with 4 head lel monitor, recorded spills and other lease defficiencies, Weather Clear, -27 C,
7:30	Held Safety and Operational meeting with Titanium Wire Line Crew discussed following: Slips, trips and falls, (watered froze in location)boot cleats/studs required, uneven location, spotters when backing up, pinch points, hand and body placement, cold working conditions, deep snow, very slippery around well head. Stay hydrated, good visual of spotter when backing up, working over head, swing paths, muster points, good footing when laying out tool string. SICP - Dead, completed SC/VF test 0 bubbles in 10 minutes.
	Backed up and spotted E-Line unit onto well head, stood mast unit.
	Rig out top section well head and laid down, rigged in well head flange and cable head tightened down.(wipe line to limit spills on location)
	Rigged in and powered up Radial Cement Bond Log Tool/CCL/Gamma tool string (all good)
	Make up run in hole tagged fluid level @ surface.
	Completed high speed log running into wellbore (all looked good)
	Tagged programmed cement top 1385 mKB pulled 60 meter repeat pass, loged from PB 1385 mKB to fluid top 48.0 mKB
	Cement bond looked good from PB to surface (field interpretation only)
	Pulled tool string to surface, rigged and tightened down well head top section
	Layed over wireline derrick, cleaned up location, released wireline unit, SDFN.
	<b>Wellbore is ready for coil tubing circulation over to clean fresh water, providing cement interpretation is acceptable.</b>



# DAILY REPORT

CLIENT:	Strategic Oil & Gas C/O Alvarez & Marsal		DATE :	March 2, 2023	
UWI:	300/C-19 60-10N 117-30W		Report #:	2	
PROJECT MANAGER:	Christopher Gagnon		AFE #:		
PROJECT NUMBER:	STRA050	AFE Amount:	\$143,804.85	% of AFE spent:	37%
Previous Costs to Date:	\$6,775.00	Current Days Costs:	\$46,546.88	Total Cost to Date:	\$53,321.88
OPERATIONS SUMMARY:	Do a surface casing bubble test. No bubbles in 10 min. Move in coil tubing, hot oiler, vac water boiler. Rig in coil tubing, run in hole with 44.5mm coil to PB @ 1385 m. Circulate hole over to fresh water 22 m3. Pull out of hole. Pressure test casing to 7000 kPa for 10 min. Solid test. Blow coil dry, rig out equipment. Paint well head. Well ready for cut and cap.				

## SUPERVISION CHARGES

Add new line to ELM CHARGES

SERVICE PROVIDED	Number of units	UNIT	RATE	RESOURCE NAME	Site Supervisor	AMOUNT
Project Supervisor	1.00	day	\$1,200.00		Tim Schmidt	\$1,200.00
Mileage (Minimum Charge)	1.00	Day	\$150.00			\$150.00
						\$0.00
						\$0.00
						\$0.00
						<b>SUBTOTAL</b>
						\$1,350.00
						<b>Management Fee:</b>
						\$0.00
						<b>ELM TOTAL</b>
						<b>\$1,350.00</b>

## THIRD PARTY CHARGES

Add new line to THIRD PARTY CHARGES

SERVICE PROVIDED	MAN HOURS	PO#	TICKET #	CONTRACTOR	SUBTOTAL	Est.	AMOUNT
Coil unit			7423	Titanium	\$32,418.88		\$32,418.88
Hot oiler			96908	Apex	\$7,209.00		\$7,209.00
Boiler			110379	Miktye	\$1,889.00		\$1,889.00
Tank truck				Elite Vac	\$3,680.00		\$3,680.00
							\$0.00
							\$0.00
<b>MAN HOURS TOTAL</b>	<b>0.00</b>				<b>SUBTOTAL</b>		<b>\$45,196.88</b>
					<b>Management Fee:</b>		<b>\$0.00</b>
							<b>THIRD PARTY TOTAL</b>
							<b>\$45,196.88</b>

To add a line in text box use "alt enter"

Time	Well Abandonments
7:00:00 AM	Held Safety and Operational meeting with Apex, Titanium coil, Miktye vac, boiler hand discussed following: Slips, trips and falls, (watered froze in location)boot cleats/studs required, uneven location, spotters when backing up, pinch points, hand and body placement, cold working conditions, rough location , holes around well head. Stay hydrated, good visual of spotter when backing up, working over head, swing paths, muster points, good footing when installing bops, and injector. SICP - 0, completed SCVF test 0 bubbles in 10 minutes using fresh water. Backed up coil unit at well using spotter, spot hot oiler, vac truck and water truck. Fill surface lines with hot fresh water. pressure test surface lines to 21 mPa for 10 min. Good solid test. Stump test bops to 1.4 and 21 mPa for 10 min. Install bops on well, Rig in coil injector. Pressure test BOP stack connection to 1.4 and 21 mPa of 10 min each. Solid test. Fill coil, pressure test coil to 21 mPa. Good test. Run in hole with 44.5mm coil tubing down to PB @ 1385 meters. Circulate well over to fresh water 22 m3. POOH with coil. Shut ram's and pressure test casing to 7000 kPa for 10 min. Solid test. Blow out coil, rig out all equipment. Paint well head with Orange paint. Well ready for cut and cap. Coil tubing unit released back to Alberta. Other services return to camp.
16:00	Next well operation cut and cap well.

**DAILY REPORT**

<b>CLIENT:</b>	Strategic Oil & Gas C/O Alvarez & Marsal		<b>DATE :</b>	March 12, 2023	
<b>UWI:</b>	300/C-19 60-10N 117-30W		<b>Report #:</b>	3	
<b>PROJECT MANAGER:</b>	Christopher Gagnon		<b>AFE #:</b>		
<b>PROJECT NUMBER:</b>	STRA050	<b>AFE Amount:</b>	\$143,804.85	<b>% of AFE spent:</b>	42%
Previous Costs to Date:	\$53,321.88	Current Days Costs:	\$6,675.00	Total Cost to Date:	\$59,996.88
<b>OPERATIONS SUMMARY:</b>	No bubbles on surface vent. Conduct cut and cap on well. Well cut 2.1 meters below existing ground level.				

**SUPERVISION CHARGES****Add new line to ELM CHARGES**

SERVICE PROVIDED	Number of units	UNIT	RATE	RESOURCE NAME	Site Supervisor	AMOUNT
Project Supervisor	0.50	day	\$1,200.00		Scott Simpson	\$600.00
Mileage (Minimum Charge)	0.50	Day	\$150.00			\$75.00
						\$0.00
						\$0.00
						\$0.00
					<b>SUBTOTAL</b>	\$675.00
					<b>Management Fee:</b>	\$0.00
					<b>ELM TOTAL</b>	<b>\$675.00</b>

**THIRD PARTY CHARGES****Add new line to THIRD PARTY CHARGES**

SERVICE PROVIDED	MAN HOURS	PO#	TICKET #	CONTRACTOR	SUBTOTAL	Est.	AMOUNT
Jet cutter				Innovative	\$4,500.00	✓	\$4,500.00
Hydro vac				Innovative	\$1,500.00	✓	\$1,500.00
							\$0.00
							\$0.00
							\$0.00
					<b>SUBTOTAL</b>		\$6,000.00
					<b>Management Fee</b>		\$0.00
					<b>THIRD PARTY TOTAL</b>		<b>\$6,000.00</b>

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Time	Well Abandonments
7:30	Move equipment to C-19. Held pre job safety meeting with Innovative cut crew and Sierra vac driver. Reviewed ELM ERP and safe work permit. Stars site number 4319. Discussed daily operations and hazards. Working in cold weather conditions take necessary breaks use buddy system. Be sure slings are rated before lifting wellheads into trailer.
08:00	Sweep location for LEIs installed bubble tester into surface vent monitored for 10 minutes no bubbles on vent. Removed bubble tester. Confirmed wellhead coordinate for C-19 60.1350,-1175536.
08:30	Removed top section of wellhead. Proceed to cutting wellhead. Installed cutting tools into wellhead. Daylighted around outside of wellhead found 16 inch conductor barrel. Set jet pressure made one full rotation with cutter. Rigged out cutting tools.
10:00	Pulled up and removed wellhead and conductor barrel. Measured and confirmed well was cut 2.1 meters below existing ground level. Installed vent cap with LSD and well license number on it into casing back filled well with back hoe. Dug culvert from around wellhead. Dug hole with hydro vac 1 meter north of wellhead installed lease sign facing north cemented sign post 1 meter in the ground. Loaded all old wellhead components and dog nut.



## FINAL WELL DIAGRAM

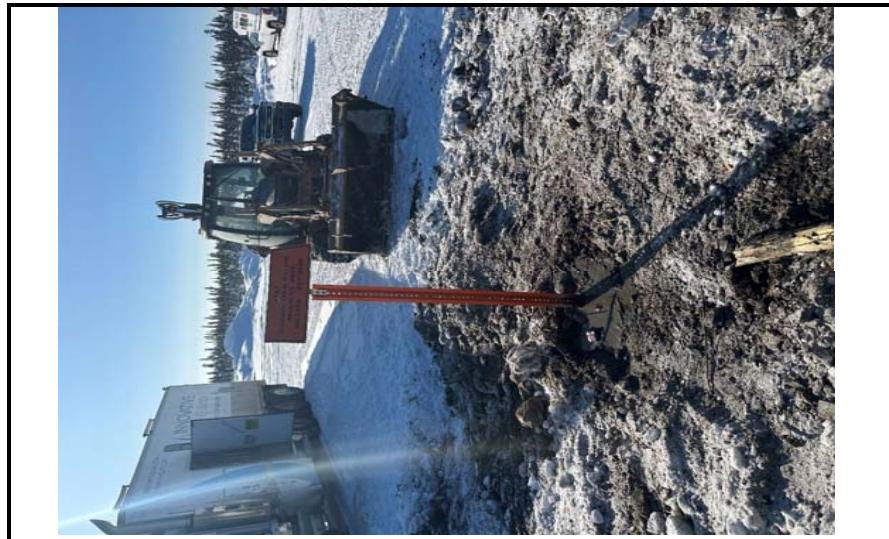
## CAMERON C-19



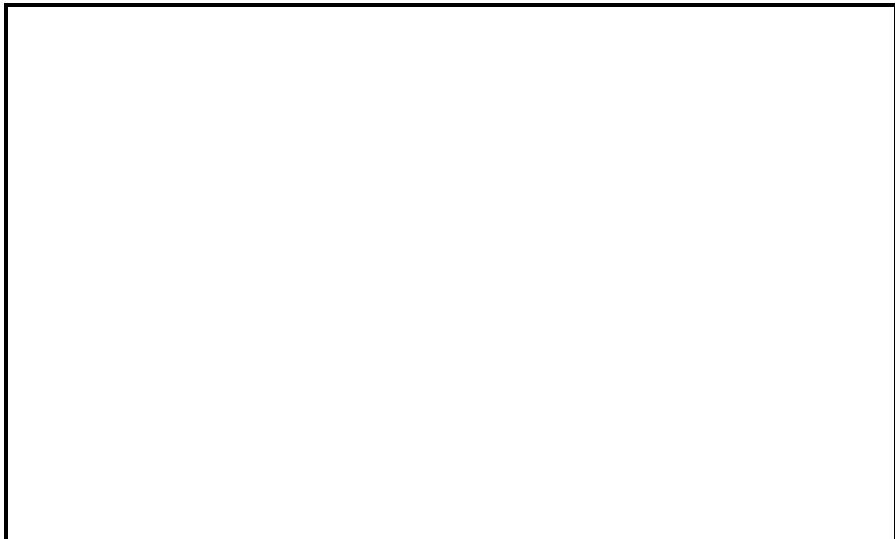
C-19 Wellhead



Vented cap



Sign placed on north side of the wellhead and facing north



Insert Comment