



**Alvarez & Marsal Canada Inc.**  
Bow Valley Square 4  
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Phone: +1 403 538 7555  
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March 30, 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 M49 – 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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March 30, 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 M-49 (ACW-2021-SOG-M-49-WID 1974)**

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.

The change of well status form will be sent as a separate attachment.

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 M-49	Operator	Strategic Oil & Gas Ltd
Well Type	Delineation Well (if Other, specify _____)	Contractor	Elm Inc
Well Identifier	1974	Current Well Status	Select

**RELATED LICENCES AND AUTHORIZATIONS**

Operating Licence No.	<u>NWT-OL-2014-007</u>	Operations Authorization	OA - 2018-003-SOG
PRA Licence No.	<u>Production Licence 15</u>	Approval to Alter Condition of Well	ACW - 2021-SOG-M-49-WID
			1974

**LOCATION INFORMATION**

Coordinates      Datum: NAD83 (if Other, please specify \_\_\_\_\_)

Surface	Lat 60 ° 8 ' 52 "	Long 117 ° 39 ' 16 "
Bottom Hole	Lat 60 ° 8 ' 52 "	Long 117 ° 39 ' 16 "

Region: South Sl<sup>e</sup> Unit M      Section 49      Grid 60-10N 117-30W

**ACTIVITY INFORMATION**

Target Formation(s)	Keg River / Sulphur PT	Field/Pool(s)	Cameron Hills /
Elevation KB/RT	709.3 m	Ground Level / Seafloor	705.1 m
Spud/Re-entry Date	2 days	Total Depth	1505 m KB
Rig Release Date	February 19, 2023	Total Vertical Depth	1505 m KB

**CASING AND CEMENTING PROGRAM**

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing (m <sup>3</sup> )
219.1	35.72	J-55	426	24.3
139.7	20.83	J-55	1505	32.5



PLUGGING PROGRAM					
Type of Plug	Interval (m KB)	Felt	Setting Depth (m KB)	Cementing (m <sup>3</sup> )	
Bridge	1339-1369	No	1369	0.3	
Bridge	1432-1440	No	1440	0.1	
Select	-	Select			
Select	-	Select			

PERFORATION	
Interval (m KB)	Comments
1379-1400	Sulphur Point - Previously Abandoned
1445-1461.5	Keg River - Previously Abandoned
-	
-	

OTHER	
Lost Circulation/Overpressure Zones	
Equipment Left on Site (Describe)	None
Provision for Re-entry (Describe and attach sketch)	Vented cap 2.2 meters below ground level
Other Downhole Completion/Suspension	
Additional Comments	

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

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	March 30, 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:	January 21, 2023
UWI:	300/M-49 60-10N 117-30W	Report #:	1
PROJECT MANAGER:	Christopher Gagnon	AFE #:	

Proj # / AFE / Job Number:	STRA050	AFE Amount:	\$173,950.35	\$68,252.02
Project Descriptor: Well Abandonments				

Cost Coding	Surface Location	60.148070, -117.656137	AREA	Cameron Hills NWT
	License	1974		

### EXECUTIVE SUMMARY:

#### NWT App: ACW-2022-SOG-M-49-WID1974

Day 1: Move in E-Line unit completed Temp/Radial Cement Bond log as per program. **Wellbore ready for Radial Bond Log interpretation.**

Day 2: Move in coil tubing, rig up circulate well bore over to fresh water. **Well ready for cut and cap.**

Day 3: No bubbles on surface vent Conduct cut and cap on well had problem with cutting tools shut down tested tools

Day 4: Well cut off 2.2 meters below existing ground level.



## DAILY REPORT

<b>CLIENT:</b>	Strategic Oil & Gas C/O Alvarez & Marsal		<b>DATE :</b>	January 21, 2023
<b>UWI:</b>	300/M-49 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>	\$173,950.35	<b>% of AFE spent:</b> 4%
<b>Previous Costs to Date:</b>	\$0.00	<b>Current Days Costs:</b>	\$6,588.75	<b>Total Cost to Date:</b> \$6,588.75
<b>OPERATIONS SUMMARY:</b>	Moved in E-line unit compete Temp/Radial Cement Bond Log on well bore, send report to office for Interpretation. SDFN			

## **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 (combined ticket)			23-0024-21	Titanium	\$10,816.00		\$10,816.00
E-Line (Temperature log charges removed)		CREDIT	29455A	Titanium	-\$4,227.25		-\$4,227.25
							\$0.00
							\$0.00
							\$0.00
							\$0.00
<b>MAN HOURS TOTAL</b>	<b>0.00</b>				<b>Subtotal</b>		<b>\$6,588.75</b>
					<b>Management Fee</b>		<b>\$0.00</b>
					<b>Third Party Total</b>		<b>\$6,588.75</b>

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

Time	Well Abandonments
8:00:00 AM	Arrived on location bump test and sweep location with 4 head lel monitor, recorded spills and other lease defficiencies, Weather Cloudy, Calm -2 C,
08:30 AM	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.
09:00 AM	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 SCVF 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 temp tool/CCL/Gamma, (all good)
11:30 AM	Make up run in hole and log as per Geothermal Exploration logging program, recorded information, ensured logs on depth, pulled and laid down tool. Logged from 1340.2 - 100.0 mKB, corrolated onto casing shoe depth. Rigged in and powered up Radial Cement Bond Log Tool/CCL/Gamma tool string (all good) Make up run in hole tagged fluid level 12 m from surface. Completed high speed log running into wellbore (all looked good) Tagged programmed cement top 1340.2 mKB pulled 60 meter repeat pass, loged from 1340.2 mKB (PB) to surface. Cement bond looked good from PB to surface (field interpretation only) Pulled tool string to surface, rigged and tightened down well head top section
13:45 PM	Layed over wireline derrick, cleaned up location, moved E-Line unit over to 300/G21 60-10N 117-15W <b>Go forward plans, waite on radial bond log interpretation.</b>  NOTE: Temperature logging charges to be billed to GONA062 project



# DAILY REPORT

CLIENT:	Strategic Oil & Gas C/O Alvarez & Marsal		DATE :	February 19, 2023	
UWI:	300/M-49 60-10N 117-30W		Report #:	2	
PROJECT MANAGER:	Christopher Gagnon		AFE #:		
PROJECT NUMBER:	STRA050	AFE Amount:	\$173,950.35	% of AFE spent:	33%
Previous Costs to Date:	\$6,588.75	Current Days Costs:	\$50,863.27	Total Cost to Date:	\$57,452.02
OPERATIONS SUMMARY:	Move in coil, hot oiler, boiler, water truck. Rig in coil, run to bottom with coil. Circulate well over to fresh water. Pressure test casing to 7000 kPa for 10 min. Solid test. Blow coil dry, rig out all equipment. Paint well head with pink paint. 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	3.00	day	\$1,200.00		Tim Schmidt	\$3,600.00
Mileage (Minimum Charge)	1.00	Day	\$150.00			\$150.00
Mileage	1604.00	km	\$1.25			\$2,005.00
						\$0.00
						\$0.00
						\$0.00
						<b>SUBTOTAL</b>
						\$5,755.00
						<b>Management Fee:</b>
						\$0.00
						<b>ELM TOTAL</b>
						<b>\$5,755.00</b>

## THIRD PARTY CHARGES

Add new line to THIRD PARTY CHARGES

SERVICE PROVIDED	MAN HOURS	PO#	TICKET #	CONTRACTOR	SUBTOTAL	Est.	AMOUNT
Coil unit.	90.00		7407	Titanium Coil	\$30,662.84		\$30,662.84
Mobile boiler.	22.00		110361/110362	Miktye	\$3,630.00		\$3,630.00
Hot oiler/pressure truck	20.00		93191	Apex	\$9,530.50		\$9,530.50
Fuel			4100019	Bluewave	\$1,284.93		\$1,284.93
							\$0.00
							\$0.00
<b>MAN HOURS TOTAL</b>	<b>132.00</b>				<b>SUBTOTAL</b>		<b>\$45,108.27</b>
					<b>Management Fee</b>		<b>\$0.00</b>
							<b>THIRD PARTY TOTAL</b>
							<b>\$45,108.27</b>

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Time	Well Abandonments
7:00	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, 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 installing bops, and injector  SICP - Dead, completed SCVF test 0 bubbles in 10 minutes. Backed up and coil tank and coil unit at well, spot hot oiler, vac truck and water truck. Fill surface lines with 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. Open well run in hole 80 @ meters/min. Pumping 35 liters/min to keep fluid moving in coil to keep from freezing. Run coil bottom to 1339 mKPa. Forward circulate with warm fresh water. Pump 25 m3. Nice clean fresh water for returns. Pull out of hole with coil. Close blind ram's. Pressure up on casing to 7000 kPa. Hold pressure for 10 min. Solid test. Bleed of well pressure to tank, open blind ram's. Engage air compressor and blow coil and well head dry. Rig out hot oiler, water truck, boiler. Have vac truck move out old well bore water for disposal. Rig off coil injector, remove bops. Install well head cap. Clean up location of all debris and trash. Paint well head with Pink paint,Move all equipment off location.
12:45	
14:30	
16:00	<b>Next operation, well is ready for cut and cap.</b>  NOTE: Well site supervisor extra days for mobilization.

**DAILY REPORT**

<b>CLIENT:</b>	Strategic Oil & Gas C/O Alvarez & Marsal		<b>DATE :</b>	March 7, 2023	
<b>UWI:</b>	300/M-49 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>	\$173,950.35	<b>% of AFE spent:</b>	34%
Previous Costs to Date:	\$57,452.02	Current Days Costs:	\$1,350.00	Total Cost to Date:	\$58,802.02
<b>OPERATIONS SUMMARY:</b>	No bubbles on surface vent. Conduct cut and cap on well. Had problems with cutting tools shut down to test equipment.				

**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		Scott Simpson	\$1,200.00
Mileage (Minimum Charge)	1.00	Day	\$150.00			\$150.00
						\$0.00
						\$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
Jet cutter	12.00			Innovative			\$0.00
Hydro vac	4.00			Innovative			\$0.00
							\$0.00
							\$0.00
							\$0.00
					<b>SUBTOTAL</b>		\$0.00
					<b>Management Fee</b>		\$0.00
					<b>THIRD PARTY TOTAL</b>		<b>\$0.00</b>

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

Time	Well Abandonments
7:30	Held pre job safety meeting with Innovative cut and cap crew and Sierra vac driver. Reviewed ELM ERP and safe work permit. Discussed daily hazards and operations. Working in cold weather lots of high pressured lines when cutting. If you do not need to be around wellhead while cutting do not be.
08:00	Sweep location for LELEs installed bubble tester into vent. Monitored surface vent for 10 minutes no bubbles on vent. Confirmed coordinates 60.1480,-117.6560
08:30	Proceed to cutting wellhead built and installed cutting tool into wellhead. Tried to daylight around wellhead but culvert was full of cement had to break up about 12 inch of cement with the backhoe exposed 16 inch conductor barrel continued digging exposed 20 inch conductor barrel. Set jet pressure and cut casing and conductor barrels. Tried to pull wellhead would not pull free. Changed filters on cutting tools. Tried to cut again still could not get wellhead free. Move Innovative truck to H-03 and do some tests on tool with previously cut wellheads.
16:00	Test equipment, load water on truck.

**DAILY REPORT**

<b>CLIENT:</b>	Strategic Oil & Gas C/O Alvarez & Marsal		<b>DATE :</b>	March 8, 2023	
<b>UWI:</b>	300/M-49 60-10N 117-30W		<b>Report #:</b>	4	
<b>PROJECT MANAGER:</b>	Christopher Gagnon		<b>AFE #:</b>		
<b>PROJECT NUMBER:</b>	STRA050	<b>AFE Amount:</b>	\$173,950.35	<b>% of AFE spent:</b>	39%
Previous Costs to Date:	\$58,802.02	Current Days Costs:	\$9,450.00	Total Cost to Date:	\$68,252.02
<b>OPERATIONS SUMMARY:</b>	Well cut off 2.2 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	1.00	day	\$1,200.00		Scott Simpson	\$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
Jet cutter			18298288380	Innovative	\$5,600.00		\$5,600.00
Hydro vac				Innovative	\$2,500.00	✓	\$2,500.00
							\$0.00
							\$0.00
							\$0.00
					<b>SUBTOTAL</b>		\$8,100.00
					<b>Management Fee</b>		\$0.00
					<b>THIRD PARTY TOTAL</b>		<b>\$8,100.00</b>

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

Time	Well Abandonments
15:00	Held pre job safety meeting with Innovative cut and cap crew and Sierra vac hauler. Reviewed ELM safe work permit and ERP. Stars site number 4319. Discussed daily operations and hazards. Cold weather conditions lots of uneven slippery lease conditions.
15:30	Rigged in cutting tool tried to cut no sucess with first cut. Rigged in second cutting tool. Strarted cutting board showed up on location. Had to shut down cutting to go through equipment. Finshed one full rotation with cutter. Pulled up and and removed 16 inch and 24 inch conductor barrels and welhead. Measured and confirmed well was cut off 2.2 meters below ground level. Installed vented cap in casing with LSD and license number on cap. Removed culvert from around wellhead filled hole. Hydro vac hole 1 meter north of wellhead and install wellhead sign facing north and cemented 1 meter in the gound. Picked up and loaded all old wellhead components to be taken H-03 lay down yard.



## PROPOSED WELL DIAGRAM

## CAMERON M-49



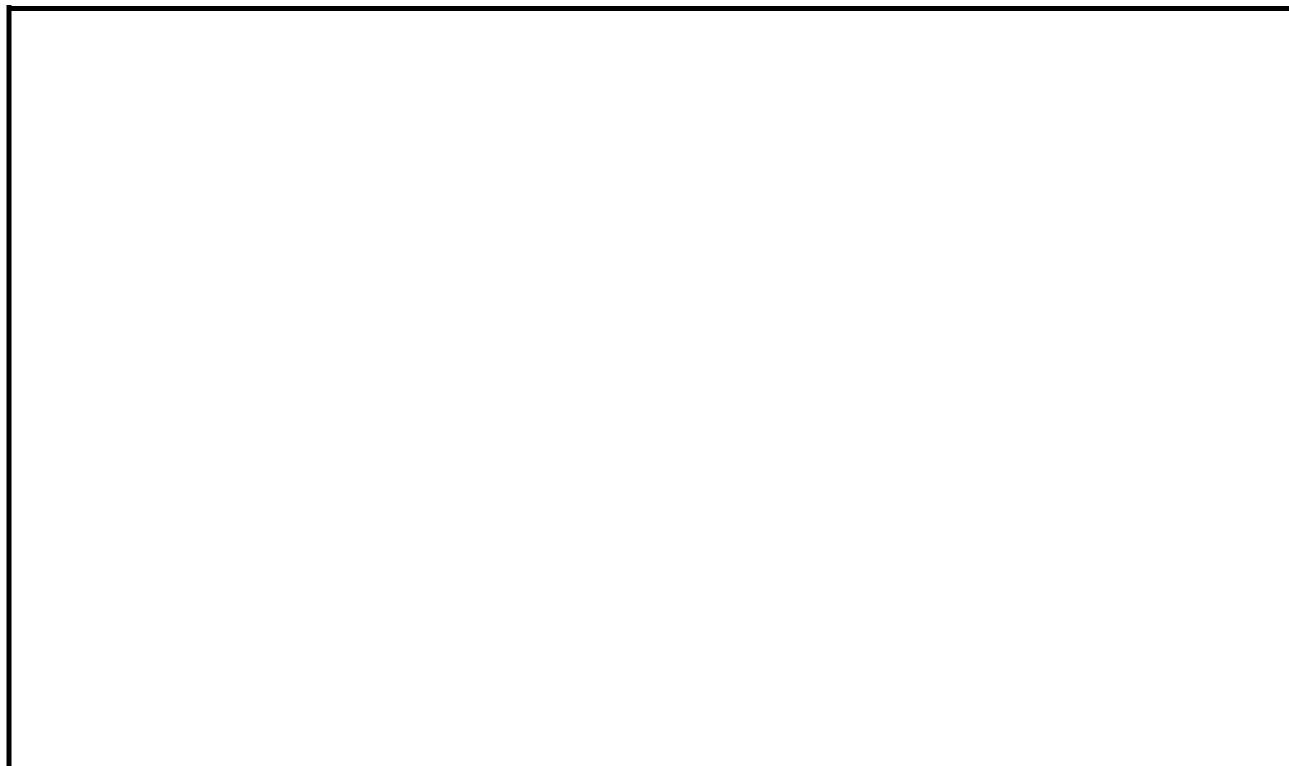
M-49 Wellhead



Vented cap



Sign placed on north side of the wellhead and facing north



Insert Comment