

**Strategic Oil & Gas Ltd.**

**Final Well Operations Report**

**Strategic et al Cameron E-72**

**Well ID – 2048**

**300/E72601011715/0**

**Feb 15, 2019 :** MIRU Global #5.

**Feb 16, 2019 :** Performed SCVF test for 10 minutes. No bubbles. Open casing to testers and pump 25.0 m3 fresh water down tubing ( 1.16 e3m3 in 60 minutes ). Installed and pressure tested BOP's. Unset anchor. Pull and stand tubing. Inspect on the way out of the hole ( yellow – 140, blue – 2, green – 2 and red – 1 ). MURIH with 139.7 mm 10K permanent bridge plug. Run 40 joints and SDFN.

**Feb 17, 2019 :** RIH with 139.7 mm 10K permanent bridge plug to 1363.0 mKB. Filled tubing with 4.1 m3 fresh water and pressured up to 14000 kPa to set bridge plug. Fill casing with 2.5 m3 fresh water. Let wellbore stabilize for one hour. Pressure test bridge plug to 7000 kPa for 15 minutes. Solid test. Mixed 0.6 m3 of 1700 kg/m3 cement. Circulated 0.5 m3 down tubing followed by 4.05 m3 fresh water. Pulled up six joints and reverse circulated 17.5 m3 inhibited fresh water ( 0.5% CRW-132 ). No cement in returns. Cement top at 1322.8 mKB. Pull and lay down tubing.

**Feb 18, 2019 :** Topped up casing with 1.0 m3 inhibited fresh water. Remove BOP's, install wellhead and rig out.

**Mar 8, 2019 :** Haul in 5 yards of sand for fill

**Mar 9, 2019 :** Wait on jet cutters.

**Mar 11, 2019 :** MIRU NuWave. Cut casing 2.0 meters below ground level and remove wellhead / casing stub. Remove cellar. Install casing cap. Backfill gopher hole. Hydrovac dig hole for signpost. Mix up 2 bags of cement to secure signpost.

**Mar 15, 2019 :** Install well identification sign.

*Ken Mint*  
*March 23, 2019*

## WELL TERMINATION RECORD

**INSTRUCTIONS:**

1. Complete both pages.
2. Send one electronic copy of this form and supporting technical documentation by email to [orgo@gov.nt.ca](mailto:orgo@gov.nt.ca).
3. Send two signed hard copies of this form and supporting technical documentation by courier to:  
Chief Conservation Officer  
Office of the Regulator of Oil and Gas Operations  
4th floor Northwest Tower  
5201 50th Avenue  
Yellowknife NT X1A 3S9

### WELL INFORMATION

Well Name	Strategic et al Cameron E-72	Operator	Strategic Oil & Gas Ltd.
Well Type	Development Well (if Other, specify _____)	Contractor	Global Well Servicing Rig 5
Well Identifier	2048	Current Well Status	Abandoned

### RELATED LICENCES AND AUTHORIZATIONS

Operating Licence No.	NWT-OL-2014-007	Operations Authorization	OA - 1237-001
PRA Licence No.	Production Licence 020	Approval to Alter Condition of Well	ACW - 2018-014

### LOCATION INFORMATION

Coordinates	Datum: NAD27 (if Other, please specify _____)			
Surface	Lat	60 ° 1 ' 25 "	Long	117 ° 29 ' 56 "
Bottom Hole	Lat	60 ° 1 ' 25 "	Long	117 ° 29 ' 56 "
Region: Dehcho	Unit	E	Section 72 Grid 60-10 117-15	

### ACTIVITY INFORMATION

Target Formation(s)	Sulphur Point	Field/Pool(s)	/
Elevation KB/RT	734.4 m	Ground Level / Seafloor	729.0 m
Spud/Re-entry Date	Feb 15, 2019 days	Total Depth	1408.6 m KB
Rig Release Date	Mar 15, 2019	Total Vertical Depth	1408.6 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	435.0	32.0 tonnes
139.7	23.07	J-55	1438.0	33.0 tonnes

**PLUGGING PROGRAM**

Type of Plug	Interval (m KB)	Felt	Setting Depth (m KB)	Cementing (m <sup>3</sup> )	
Bridge	1322.8-1363.0	No	1363.0	0.5	
Select	-	Select			
Select	-	Select			
Select	-	Select			

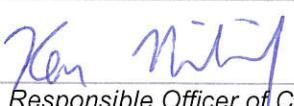
**PERFORATION**

Interval (m KB)	Comments
1368.0-1376.5	Sulphur Point - abandoned zone
-	
-	
-	

**OTHER**

Lost Circulation/Overpressure Zones	
Equipment Left on Site (Describe)	
Provision for Re-entry (Describe and attach sketch)	
Other Downhole Completion/Suspension	
Additional Comments	

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

Name	Ken Nikiforuk	Phone	(403) 767-2944 Ext
Title	Completions Manager	E-Mail	knikiforuk@sogoil.com
Operator	Strategic Oil & Gas Ltd		
Signature	 Responsible Officer of Company	Date	March 28, 2019

**OROGO use only**Unique Well Identifier 30 / \_\_\_\_\_ /  
(eg.300 / A01 60-00 120-00 / 0)



## Document Title Final Installation Drawing

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## **Daily Abandonment Report**

Operator: Strategic Oil & Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Mike Greenwood

Tel2

Tel1: (403) 318-7083

UWI: 300E726010117150	WELL: Strategic et al Cameron E-72					DATE: 15-Mar-2019				
24 Hr Summary: Install well identification sign and take pictures at numerous locations							END: 19-Feb-2019			
Formation: Sulpher Point			Surf Loc: E-72 60-10N 117-15W		Licence: 2048		Day #: 8			
Objective: Abandon wellbore		Abandonment Type: Downhole		Serv Rig Start: 15-Feb-2019		Serv Rig End				
Operations at 6:00: Travel home					AFE #: 19ABCAM001	AFE Estimate: \$131,764.00				
Daily Cost: \$1,498		Previous Cumulative Cost: \$127,238			Cum Cost: \$128,736					
Ground:	729.00	m	KB To TH	m	Open Hole:	mKB	Date	Perf Formation	Top	Base
KB to Grd:	5.40	m	Tubing:	73	mm	Bot at: 1390	m			
TD (MD):	1,408.60	m	Casing:	139.7	mm	Set at: 1438	m			
PBTD:	1,402.00	m	Liner:		mm	Top at:	m			
BOP Drill:		BOP Press Test:			Function Test: yes					
SITP:	kPa	SICP:	0	kPa	SCV:	0	kPa	H <sub>2</sub> S	%	

**Remarks:**

Total:

#### Equipment on Location:

STRATEGIC et al CAMERON E - 72  
STRATEGIC OIL & GAS LTD  
MARCH 11, 2019  
NAD27 - 60.023778N - 117.498889W

Operator: Strategic Oil &amp; Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Mike Greenwood

Tel2:

Tel1: (403) 318-7083

UVI: 300E726010117150	WELL: Strategic et al Cameron E-72	DATE: 11-Mar-2019
24 Hr Summary: Jet cut and remove well head.		END: 19-Feb-2019
Formation: Sulpher Point	Surf Loc: E-72 60-10N 117-15W	Licence: 2048 Day #: 7
Objective: Abandon wellbore	Abandonment Type: Downhole	Serv Rig Start: 15-Feb-2019 Serv Rig End
Operations at 6:00: Install Abandonment sign on post and will be completed	AFE #: 19ABCAM001	AFE Estimate: \$131,764.00
Daily Cost: \$13,347 Previous Cumulative Cost: \$113,891	Cum Cost: \$127,238	
Ground: 729.00 m KB To TH m Open Hole: mKB	Date	Perf Formation
KB to Grd: 5.40 m Tubing: 73 mm Bot at: 1390 m		Top
TD (MD): 1,408.60 m Casing: 139.7 mm Set at: 1438 m		Base
PBTD: 1,402.00 m Liner: mm Top at: m		
BOP Drill: BOP Press Test: Function Test: yes		
SITP: kPa SICP: 0 kPa SCV: 0 kPa H <sub>2</sub> S %		

## Remarks:

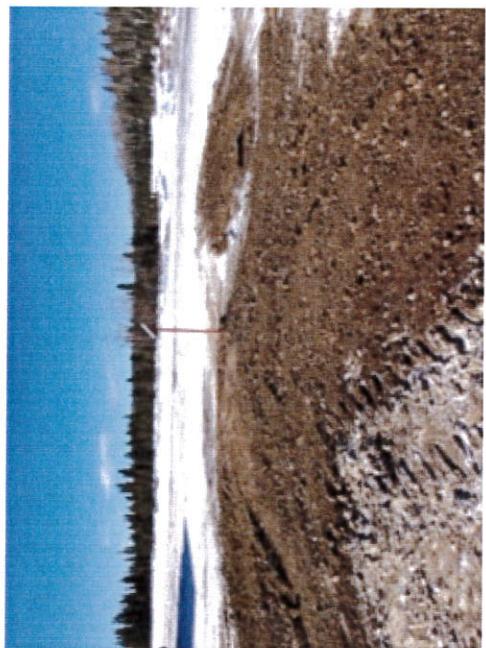
Needle valves, gauges and bull plugs removed from junk well head for future use and put in well servicing shack @ 1-28 Steen River

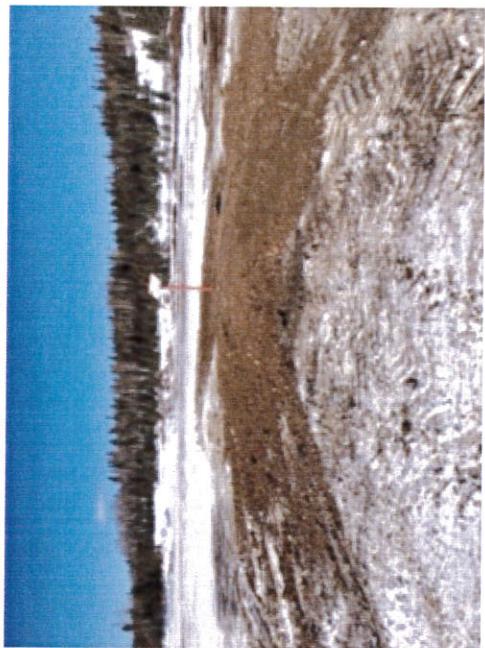
Time From	Time To	Hours	Code	Comments
07:00	07:30	0.5	SAFE	Hold operational safety meeting and issue safe work permit.
07:30	07:45	0.25		Rig in New Wave jet cutting equipment
				Read and record well head pressures - zero pressures.
07:45	15:30	7.75		Remove Tubing bonnet and upper well head section and lay down.
				Start jet cutting casing and cut off 2.0 m below ground level as per OROGO specifications
				Backhoe to lift out well head and cut off casing. Remove culvert / cellar. Install casing cap/bow spring complete with well data as per OROGO specifications
				Back fill around well center, slopeing away from well center
				Hydro dig a sign post hole and install sign post to OROGO specifications, dumping 2 bags of mixed class G cement to secure post. Load well head and culvert in gravel truck.
				Sign will be delivered to Cameron hills tomorrow and will be installed on post
				Vac truck to off load hydro vac and haul sludge/hydrocarbons to Tervita Rainbow lake for recycle and disposal. Waste Manifest # NT22507-7
				Rowes tank truck to fill Hydro Vac and Jet cutting unit with potable water
15:30	17:45	2.25		Travel to 7-33 Ratz, spot Backhoe trailer and gravel truck. Unload backhoe.
				Loosen well head bolts.
17:45	19:00	1.25		Travel back to Steen Camp 7.5 for lodging and fuel - New Wave crew
				Visitors from NWT government - Norman McCowan from Lands & Wendy Bidwell from Water Resources

Total: 12

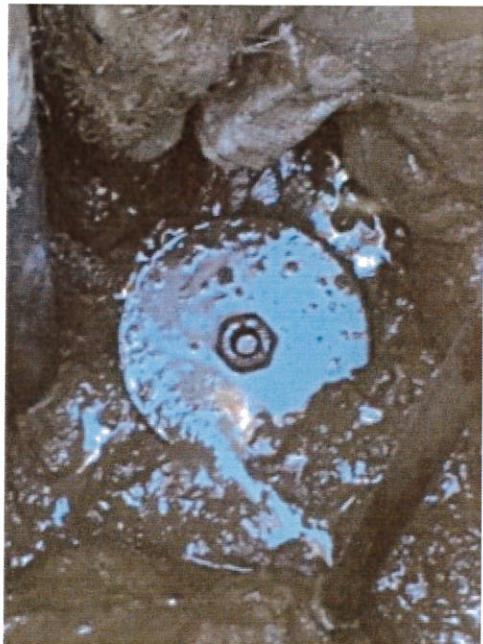
## Equipment on Location:

Reservoir Fluids Summary	<input type="checkbox"/> Gas:	Daily: 10 <sup>3</sup> m <sup>3</sup> /d	Cum: 0 10 <sup>3</sup> m <sup>3</sup>	Tubing volume: m <sup>3</sup>
	<input type="checkbox"/> Oil or Condensate:	Daily: m <sup>3</sup>	Cum: 0 m <sup>3</sup>	Csg. ann vol: m <sup>3</sup>
	<input type="checkbox"/> Water:	Daily: m <sup>3</sup>	Cum: 0 m <sup>3</sup>	Open hole vol: m <sup>3</sup>
	Time Swabbed/Flowed:	Daily: hrs	Cum: hrs	Total: 0 m <sup>3</sup>
Load Fluids	<input type="checkbox"/> OIL	Used m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec m <sup>3</sup> Cum 0 m <sup>3</sup> To Rec 0 m <sup>3</sup>
	<input type="checkbox"/> WATER	Used m <sup>3</sup>	Cum 25.75 m <sup>3</sup>	Rec m <sup>3</sup> Cum 0 m <sup>3</sup> To Rec 25.75 m <sup>3</sup>
	<input type="checkbox"/> OTHER	Used m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec m <sup>3</sup> Cum 0 m <sup>3</sup> To Rec 0 m <sup>3</sup>
Hours	Service Rig Hours	Daily hrs	Cumulative 35.00 hrs	DownTime: hrs Cumulative DownTime: hrs
	Personnel on Location	Rig: Service: 7	Company: 2	Total Personnel: 9
	Weather: Sunny cold	Temp °C	Lease: graded	Roads: ice roads
Manager:		Programmed By:		



















## **Daily Abandonment Report**

Operator: Strategic Oil & Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Mike Greenwood

Tel2: (403) 318-0083  
Tel1: (403) 318-7083

UWI: 300E726010117150	WELL: Strategic et al Cameron E-72					DATE: 10-Mar-2019				
24 Hr Summary: Wait on New Wave Jet cutting crew. Orientaion and ERP review with crew					END: 19-Feb-2019					
Formation: Sulpher Point			Surf Loc: E-72 60-10N 117-15W			Licence: 2048				
Objective: Abandon wellbore			Abandonment Type: Downhole		Serv Rig Start: 15-Feb-2019		Serv Rig End			
Operations at 6:00: Cut and cap E-72					AFE #: 19ABCAM001		AFE Estimate: \$131,764.00			
Daily Cost:	\$9,545	Previous Cumulative Cost:			\$104,346		Cum Cost: \$113,891			
Ground:	729.00	m	KB To TH	m	Open Hole:	mKB	Date	Perf Formation	Top	Base
KB to Grd:	5.40	m	Tubing:	73	mm	Bot at:	1390	m		
TD (MD):	1,408.60	m	Casing:	139.7	mm	Set at:	1438	m		
PBTD:	1,402.00	m	Liner:		mm	Top at:		m		
BOP Drill:	BOP Press Test:			Function Test: yes						
SITP:	kPa	SICP:	0	kPa	SCV:	0	kPa	H <sub>2</sub> S	%	

**Remarks:**

Total: 1.75

#### Equipment on Location:



## **Daily Abandonment Report**

Operator: Strategic Oil & Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Mike Greenwood

Tel2:

Tel1: (403) 318-7083

UWI: 300E726010117150	WELL: Strategic et al Cameron E-72				DATE: 08-Mar-2019					
24 Hr Summary: Haul 5 yards dirt fill to location.				END: 19-Feb-2019						
Formation: Sulpher Point		Surf Loc: E-72 60-10N 117-15W		Licence: 2048						
Objective: Abandon wellbore		Abandonment Type: Downhole		Serv Rig End						
Operations at 6:00: Haul fill dirt to Ratz for well head holes.			AFE #: 19ABCAM001	AFE Estimate: \$131,764.00						
Daily Cost:	\$2,970	Previous Cumulative Cost:	\$101,376	Cum Cost: \$104,346						
Ground:	729.00	m	KB To TH	m	Open Hole:	mKB	Date	Perf Formation	Top	Base
KB to Grd:	5.40	m	Tubing:	73	mm	Bot at:	1390	m		
TD (MD):	1,408.60	m	Casing:	139.7	mm	Set at:	1438	m		
PBTD:	1,402.00	m	Liner:		mm	Top at:		m		
BOP Drill:	BOP Press Test:			Function Test: yes						
SITP:	kPa	SICP:	0	kPa	SCV:	0	kPa	H <sub>2</sub> S	%	

**Remarks:**

Total:

#### Equipment on Location:

Reservoir Fluids Summary	<input type="checkbox"/> Gas:	Daily:	10 <sup>3</sup> m <sup>3</sup> /d	Cum:	0 10 <sup>3</sup> m <sup>3</sup>	Tubing volume:	m <sup>3</sup>	
	Reset <input type="checkbox"/> Oil or Condensate:	Daily:	m <sup>3</sup>	Cum:	0 m <sup>3</sup>	Csg. ann vol:	m <sup>3</sup>	
	Cums <input type="checkbox"/> Water:	Daily:	m <sup>3</sup>	Cum:	0 m <sup>3</sup>	Open hole vol:	m <sup>3</sup>	
	Time Swabbed/Flowed:	Daily:	hrs	Cum:	hrs	Total:	0 m <sup>3</sup>	
Load Fluids	Reset <input type="checkbox"/> OIL	Used	m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec	m <sup>3</sup>	Cum 0 m <sup>3</sup>	To Rec 0 m <sup>3</sup>
	Cums <input type="checkbox"/> WATER	Used	m <sup>3</sup>	Cum 25.75 m <sup>3</sup>	Rec	m <sup>3</sup>	Cum 0 m <sup>3</sup>	To Rec 25.75 m <sup>3</sup>
	<input type="checkbox"/> OTHER	Used	m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec	m <sup>3</sup>	Cum 0 m <sup>3</sup>	To Rec 0 m <sup>3</sup>
Hours	Service Rig Hours	Daily	hrs	Cumulative 35.00 hrs	DownTime:	hrs	Cumulative DownTime:	hrs
	Personnel on Location	Rig:	Service:	Company:	Total Personnel:	0		
	Weather: Sunny cold	Temp	°C	Lease: graded	Roads:	ice roads		
Manager:		Programmed By:						



## **Daily Abandonment Report**

Operator: Strategic Oil & Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Jack Harvey

Tel2:  
Tel1: (403) 596-8084

UWI: 300E726010117150	WELL: Strategic et al Cameron E-72				DATE: 18-Feb-2019					
24 Hr Summary: Top up well, Remove BOP's, install wellhead, Rig out and move to J-74				END: 19-Feb-2019						
Formation: Sulpher Point		Surf Loc: E-72 60-10N 117-15W		Licence: 2048		Day #: 4				
Objective: Abandon wellbore		Abandonment Type: Downhole		Serv Rig Start: 15-Feb-2019		Serv Rig End				
Operations at 6:00: Fill well, Remove BOP's install Wellhead, Rig out, Move			AFE #: 19ABCAM001		AFE Estimate: \$131,764.00					
Daily Cost:	\$3,104	Previous Cumulative Cost:			\$98,272	Cum Cost: \$101,376				
Ground:	729.00	m	KB To TH	m	Open Hole:	mKB	Date	Perf Formation	Top	Base
KB to Grd:	5.40	m	Tubing:	73	mm	Bot at:	1390	m		
TD (MD):	1,408.60	m	Casing:	139.7	mm	Set at:	1438	m		
PBTD:	1,402.00	m	Liner:		mm	Top at:		m		
BOP Drill:	BOP Press Test:			Function Test: yes						
SITP:	kPa	SICP:	0	kPa	SCV:	0	kPa	H <sub>2</sub> S	%	

**Remarks:**

Total: 6

#### Equipment on Location:

Reservoir Fluids Summary	<input type="checkbox"/> Gas:	Daily: 10 <sup>3</sup> m <sup>3</sup> /d		Cum: 0 10 <sup>3</sup> m <sup>3</sup>		Tubing volume: m <sup>3</sup>			
	Reset <input type="checkbox"/> Cums	Daily: m <sup>3</sup>		Cum: 0 m <sup>3</sup>		Csg. ann vol: m <sup>3</sup>			
	<input type="checkbox"/> Water:	Daily: m <sup>3</sup>		Cum: 0 m <sup>3</sup>		Open hole vol: m <sup>3</sup>			
	Time Swabbed/Flowed:		Daily: hrs		Cum: hrs		Total: 0 m <sup>3</sup>		
Load Fluids	Reset <input type="checkbox"/> OIL	Used	m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec	m <sup>3</sup>	Cum 0 m <sup>3</sup>	To Rec 0 m <sup>3</sup>	
	Reset <input type="checkbox"/> WATER	Used	m <sup>3</sup>	Cum 25.75 m <sup>3</sup>	Rec	m <sup>3</sup>	Cum 0 m <sup>3</sup>	To Rec 25.75 m <sup>3</sup>	
	<input type="checkbox"/> OTHER	Used	m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec	m <sup>3</sup>	Cum 0 m <sup>3</sup>	To Rec 0 m <sup>3</sup>	
Hours	Service Rig Hours		Daily hrs	Cumulative 35.00 hrs	DownTime: hrs		Cumulative DownTime: hrs		
	Personnel on Location		Rig:	Service:	Company:		Total Personnel: 0		
	Weather: Sunny cold		Temp °C	Lease: graded			Roads: ice roads		
Manager:				Programmed By:					

Operator: Strategic Oil &amp; Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Jack Harvey

Tel2:

Tel1: (403) 596-8084

UWI: 300E726010117150	WELL: Strategic et al Cameron E-72	DATE: 17-Feb-2019
24 Hr Summary: RIH Set & PT BP. Circulate down balanced cement plug. POOH.		END: 19-Feb-2019
Formation: Sulpher Point	Surf Loc: E-72 60-10N 117-15W	Licence: 2048 Day #: 3
Objective: Abandon wellbore	Abandonment Type: Downhole	Serv Rig Start: 15-Feb-2019 Serv Rig End
Operations at 6:00: SET & PT BP. Place cement plug. POOH,	AFE #: 19ABCAM001	AFE Estimate: \$131,764.00
Daily Cost: \$26,295 Previous Cumulative Cost: \$71,977		Cum Cost: \$98,272
Ground: 729.00 m KB To TH m Open Hole: mKB	Date	Perf Formation Top Base
KB to Grd: 5.40 m Tubing: 73 mm Bot at: 1390 m		
TD (MD): 1,408.60 m Casing: 139.7 mm Set at: 1438 m		
PBTD: 1,402.00 m Liner: mm Top at: m		
BOP Drill: yes BOP Press Test: yes Function Test: yes		
SITP: vac kPa SICP: vac kPa SCV: 0 kPa H <sub>2</sub> S %		

## Remarks:

Cold Temperatures in the morning made for a slow start to operations.

Time From	Time To	Hours	Code	Comments
07:00	07:30	0.5	SAFE	Conduct pre job safety and operational meeting with all personnel on location. Discussed H2S, high pressure lines, Suspended loads, rotating equipment, third party services, good communication, well control, driving for road conditions.
07:30	08:00	0.5	SHUT	Read and record SITP- vac, SICP-vac.
08:00	11:30	3.5	TRPTBG	Continue to RIH the tallying out of the derrick. Locate casing collars @ 1357.1 mkb and 1360.4 mkb. Tally correction of 0.31m. Get on depth (correlated to Weatherfords Perforating log dated March 24, 2007). Fill tubing with 4.1m <sup>3</sup> of fresh water. Pressure up on tubing to 14 MPA and set BP C.E. at 1363.0 mkb. Pull 12,000 daN over string weight to packoff element. Breaking lower slips. Rotate off of BP.
11:30	13:00	1.5	PTST	Fill casing with fresh water took 2.5m <sup>3</sup> to fill hole. Let wellbore stabilize for 1 hour while air migrates to surface. Pressure test wellbore to 7000 kpa for 15 minutes. Solid pressure test. Starting pressure 7021 kpa finishing pressure 7012 kpa.
13:00	15:30	2.5	CIRC	Mix 0.6m <sup>3</sup> of Class "G" cement at a weight of 1700 kg/m. Displace 0.5m <sup>3</sup> of cement with 4.05m <sup>3</sup> of fresh water to balance plug. on top of permanent BP. Rotate while pulling and laying down the next 6 joints. Forward circulate 17.5m <sup>3</sup> of 0.5% CRW132 inhibited fresh water.
15:30	17:30	2	TRPTBG	POOH laying tubing down side ways.
17:30	18:00	0.5	SDFN	Secure well and location. Fuel and winterize all equipment. Drain pump and lines. SDFN.

Total: 11

## Equipment on Location:

Reservoir Fluids Summary	<input type="checkbox"/> Gas:	Daily: 10 <sup>3</sup> m <sup>3</sup> /d	Cum: 0 10 <sup>3</sup> m <sup>3</sup>	Tubing volume: m <sup>3</sup>
	<input type="checkbox"/> Oil or Condensate:	Daily: m <sup>3</sup>	Cum: 0 m <sup>3</sup>	Csg. ann vol: m <sup>3</sup>
	<input type="checkbox"/> Water:	Daily: m <sup>3</sup>	Cum: 0 m <sup>3</sup>	Open hole vol: m <sup>3</sup>
	Time Swabbed/Flowed:	Daily: 0.00 hrs	Cum: hrs	Total: 0 m <sup>3</sup>
Load Fluids	Reset <input type="checkbox"/> OIL	Used m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec m <sup>3</sup> Cum 0 m <sup>3</sup> To Rec 0 m <sup>3</sup>
	Cums <input type="checkbox"/> WATER	Used 7.75 m <sup>3</sup>	Cum 25.75 m <sup>3</sup>	Rec m <sup>3</sup> Cum 0 m <sup>3</sup> To Rec 25.75 m <sup>3</sup>
	<input type="checkbox"/> OTHER	Used m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec m <sup>3</sup> Cum 0 m <sup>3</sup> To Rec 0 m <sup>3</sup>
Hours	Service Rig Hours	Daily 11.00 hrs	Cumulative 35.00 hrs	DownTime: hrs Cumulative DownTime: hrs
	Personnel on Location	Rig: 6	Service: 4	Company: 1 Total Personnel: 11
	Weather: Sunny cold	Temp -18 °C	Lease: graded	Roads: ice roads
Manager:		Programmed By:		

Operator: Strategic Oil &amp; Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Jack Harvey

Tel2:

Tel1: (403) 596-8084

UWI: 300E726010117150	WELL: Strategic et al Cameron E-72				DATE: 16-Feb-2019			
24 Hr Summary: Test BOP's, Kill Well, Nipple up BOP's, POOH with Prod. Tbg.				END: 19-Feb-2019				
Formation: Sulpher Point		Surf Loc: E-72 60-10N 117-15W		Licence: 2048		Day #: 2		
Objective: Abandon wellbore		Abandonment Type: Downhole		Serv Rig Start: 15-Feb-2019		Serv Rig End		
Operations at 6:00: Test BOP's, Kill Well, Nipple up BOP's. POOH with Prod. Tbg		AFE #: 19ABCAM001		AFE Estimate: \$131,764.00				
Daily Cost: \$19,986		Previous Cumulative Cost: \$51,991		Cum Cost: \$71,977				
Ground: 729.00	m	KB To TH	m	Open Hole: mKB	Date	Perf Formation	Top	Base
KB to Grd: 5.40	m	Tubing: 73	mm	Bot at: 1390	m			
TD (MD): 1,408.60	m	Casing: 139.7	mm	Set at: 1438	m			
PBTD: 1,402.00	m	Liner:	mm	Top at:	m			
BOP Drill: yes		BOP Press Test: yes		Function Test: yes				
SITP: 4888 kPa	SICP: 7283 kPa	SCV: 0	kPa	H <sub>2</sub> S %				

Remarks:

Time From	Time To	Hours	Code	Comments
07:30	08:00	0.5	SAFE	Conduct pre job safety and operational meeting with all personnel on location. Discussed H2S, high pressure lines, Suspended loads, rotating equipment, third party services, good communication, new workers to location and industry, well control.
08:00	08:15	0.25	SHUT	Read and record SITP- 4888 kpa, SICP-7283 kpa.
08:15	08:30	0.25	SCVF	Perform a 10 minute bubble test. Zero bubbles in 10 minutes.
08:30	09:30	1	RIG	Heat BOP's. Change over pipe rams and handling equipment from 60.3mm to 73mm. Rig in accumulator lines.
09:30	12:00	2.5	BOPS	Function test BOP's. Stump test blind rams to 1.4 mpa and 21 mpa for 10 minutes each. Good test. Install landing pup joint c/w TIW safety valve. Fill BOP's and pup joint with fresh water. Stump test 60.3mm pipe rams and TIW safety valve to 1.4 and 21 mpa for 10 minutes each. Good test. Pressure test annular to 1.4 mpa and 7 mpa for 10 minutes each. Good test
12:00	13:30	1.5	KILL	Record SIP. Open casing and begin to bleed down. Bring pump on line at 0.5m <sup>3</sup> pumping down tubing at 5 mpa. Hold casing pressure constant at 6000 kpa for 4.5m <sup>3</sup> . Adjust choke to hold pump pressure constant @ 2000 kpa for 20.5m <sup>3</sup> till good clean fresh water returns and no gas. Recovered a total 6.8m <sup>3</sup> of fluid and 1.16 10 <sup>3</sup> m <sup>3</sup> of gas over a duration of 1 hour. Shut in well and record pressures. Tbg on vac. Csg side vac.
13:30	15:30	2	BOPS	Remove well head. Pull tubing hanger and install 0.64m pup joint to put tubing string in compression. Reland tubing hanger. Install new ring gasket and BOP's. Pressure test ring gasket and 73mm pipe rams to 1.4 mpa and 21 mpa for 10 minutes each. Pressure test annular to 1.4 mpa and 7 mpa for 10 minutes each. Both good tests. Rig in work floor and handling

Total: 12

Equipment on Location:

Reservoir Fluids Summary	<input type="checkbox"/> Gas:	Daily:	10 <sup>3</sup> m <sup>3</sup> /d	Cum:	0	10 <sup>3</sup> m <sup>3</sup>	Tubing volume:	m <sup>3</sup>	
	<input type="checkbox"/> Oil or Condensate:	Daily:	m <sup>3</sup>	Cum:	0	m <sup>3</sup>	Csg. ann vol:	m <sup>3</sup>	
	<input type="checkbox"/> Water:	Daily:	m <sup>3</sup>	Cum:	0	m <sup>3</sup>	Open hole vol:	m <sup>3</sup>	
	Time Swabbed/Flowed:	Daily:	0.00 hrs	Cum:	hrs		Total:	0 m <sup>3</sup>	
Load Fluids	Reset <input type="checkbox"/> OIL	Used	m <sup>3</sup>	Cum	0	m <sup>3</sup>	Rec	m <sup>3</sup>	
	Cums <input type="checkbox"/> WATER	Used	18	m <sup>3</sup>	Cum	18	m <sup>3</sup>	Rec	m <sup>3</sup>
	<input type="checkbox"/> OTHER	Used	m <sup>3</sup>	Cum	0	m <sup>3</sup>	Rec	m <sup>3</sup>	
Hours	Service Rig Hours	Daily	12.00 hrs	Cumulative	24.00	hrs	DownTime:	hrs	
	Personnel on Location	Rig:	6	Service:	5		Company:	1	
	Weather: overcast	Temp	-25 °C	Lease:	graded		Roads:	ice roads	
Manager:				Programmed By:					



## **Daily Abandonment Report**

Consultant: Jack Harvey

Tel2:

Tel1: (403) 596-8084



114-172 Clearview Drive Red Deer County, AB T4E 0A1

Field Ticket	P93019
Contact	Chad Rookes
Phone	(780)512-5009

## Customer Information

Company Name	Strategic Oil & Gas	Date	February 16, 2019
Surface Location	E-72	AFE No.	
UWI	E-72	Contract	
Rig Name & #	Global # 5	Co. Rep	
Area	Steen River	Code #	Jack Harvey

## Wellhead Tubing Inspection

Qty	Description		Unit Price	Total
145	Joints of 73.0mm, 9.67Kg, J55, EUE Tubing Inspected		\$ 15.00	\$ 2,175.00
420	Kms From Base & Return		\$ 1.50	\$ 630.00
		Sub Total		\$ 2,805.00
		10% Discount		\$ -280.50
		New Sub Total		\$ 2,524.50
		GST		\$ 126.23
		Total		\$ 2,650.73

## Ultra Sonic Measurements

Jt #	Wall Min	Wall Max
1	0.219	0.224
52	0.219	0.222
101	0.219	0.222

Head	60H15
Console	B0402
T-MGN	100H
R-WDS	280M

0-15%	Yellow	140
16-30%	Blue	2
31-50%	Green	2
51+%	Red	1
Total		145

Order of Tubing Pulled	
141	73mm Eue J55 Tubing
1	Anchor
3	73mm Eue J55 Tubing
1	Pump Seating Nipple
1	73mm Perforated Pup 1.26m
1	73mm Eue J55 Tubing

Notes	Time Requested	1:00 PM	Inspection Start Time	3:45 PM
Tubing was mostly Yellow band but has pitting in most of it. Joints 60 to 62 were red, Green and Blue band.				

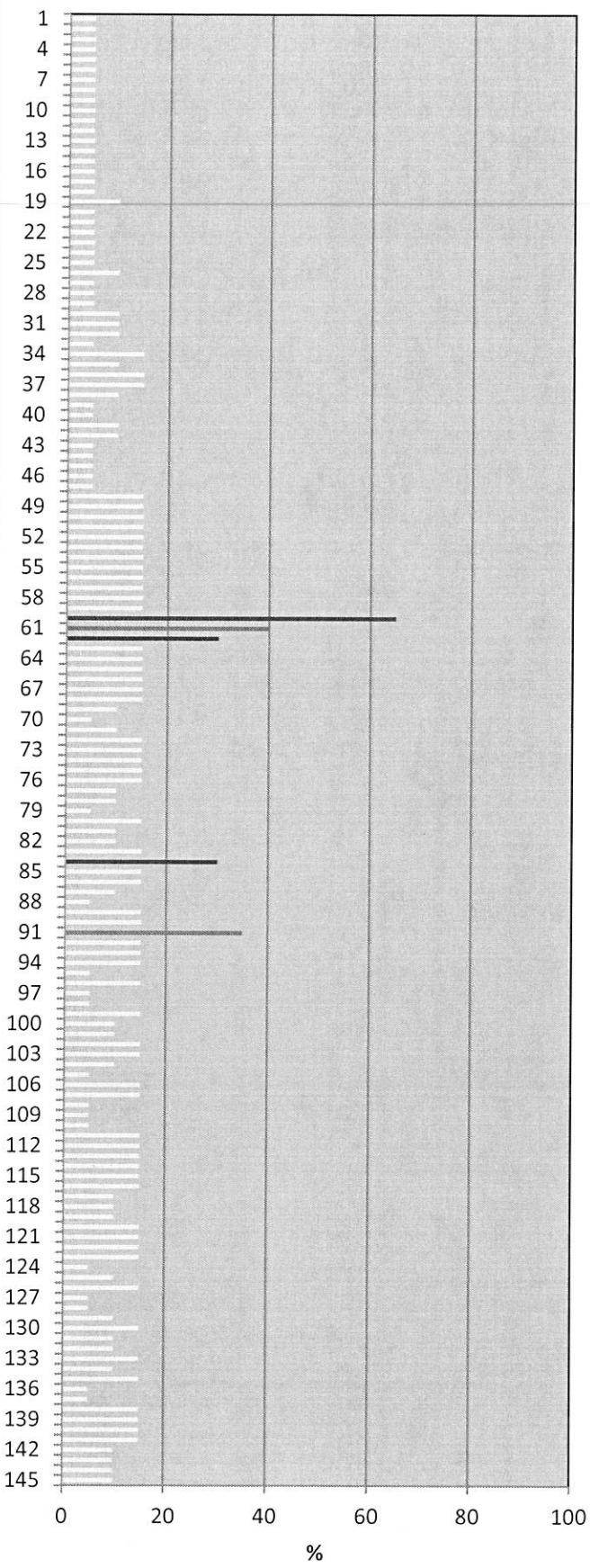
Inspector Cyril GormanCustomer

Jt#	Wall Loss	Pitting	Damage
1	5	5	
1	Ultrasonic Wall Min: 0.219 Max: 0.224		
2	5	5	
3	5	5	
4	5	5	
5	5	5	
6	5	5	
7	5	5	
8	5	5	
9	5	5	
10	5	5	
11	5	5	
12	5	5	
13	5	5	
14	5	5	
15	5	5	
16	5	5	
17	5	5	
18	5	5	
19	5	10	Pitting
20	5	5	
21	5	5	
22	5	5	
23	5	5	
24	5	5	
25	5	5	
26	5	10	Pitting
27	5	5	
28	5	5	
29	5	5	
30	5	10	Pitting
31	5	10	Pitting
32	5	10	Pitting
33	5	5	
34	5	15	Pitting
35	5	10	Pitting
36	5	15	Pitting
37	5	15	Pitting
38	5	10	Pitting
39	5	5	
40	5	5	
41	5	10	Pitting
42	5	10	Pitting
43	5	5	
44	5	5	
45	5	5	
46	5	5	
47	5	5	
48	5	15	Pitting
49	5	15	Pitting
50	5	15	Pitting

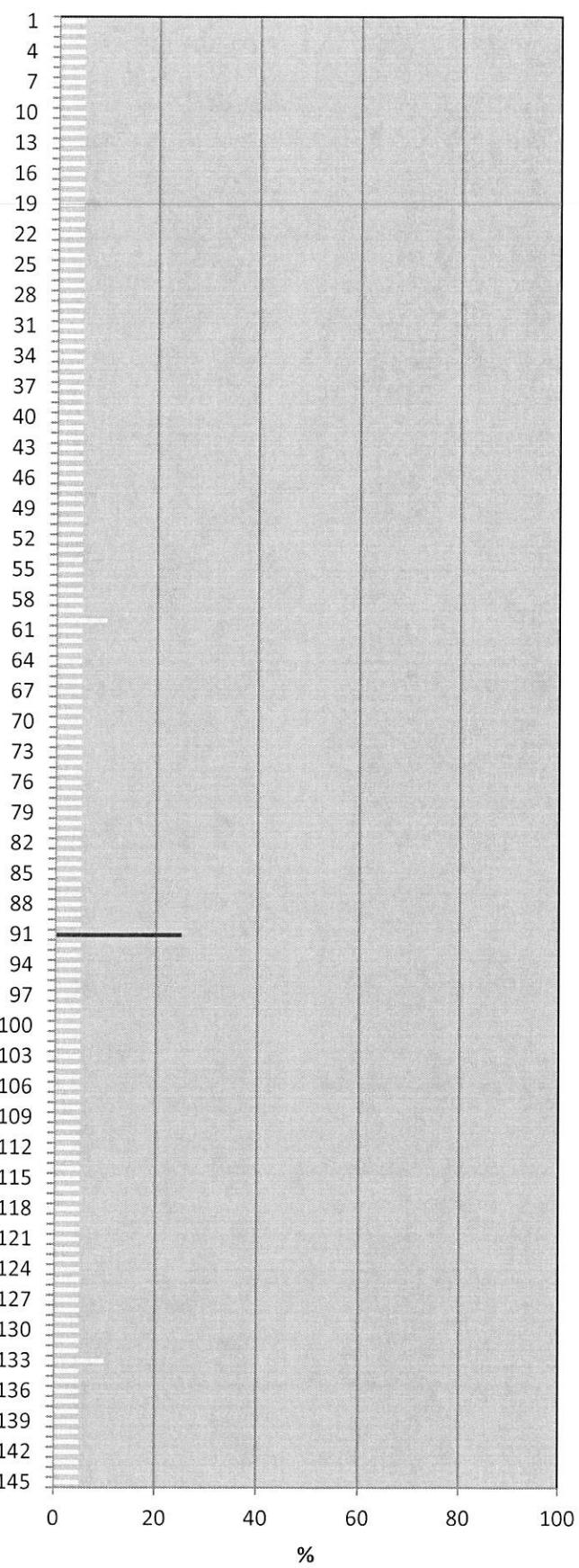
Jt#	Wall Loss	Pitting	Damage
51	5	15	Pitting
52	5	15	Pitting
52	Ultrasonic Wall Min: 0.219 Max: 0.222		
53	5	15	Pitting
54	5	15	Pitting
55	5	15	Pitting
56	5	15	Pitting
57	5	15	Pitting
58	5	15	Pitting
59	5	15	Pitting
60	10	65	Wall Loss & Pitting
61	5	40	Pitting
62	5	30	Pitting
63	5	15	Pitting
64	5	15	Pitting
65	5	15	Pitting
66	5	15	Pitting
67	5	15	Pitting
68	5	15	Pitting
69	5	10	Pitting
70	5	5	
71	5	10	Pitting
72	5	15	Pitting
73	5	15	Pitting
74	5	15	Pitting
75	5	15	Pitting
76	5	15	Pitting
77	5	10	Pitting
78	5	10	Pitting
79	5	5	
80	5	15	Pitting
81	5	10	Pitting
82	5	10	Pitting
83	5	15	Pitting
84	5	30	Pitting
85	5	15	Pitting
86	5	15	Pitting
87	5	10	Pitting
88	5	5	
89	5	15	Pitting
90	5	15	Pitting
91	25	35	Wall Loss & Pitting
92	5	15	Pitting
93	5	15	Pitting
94	5	15	Pitting
95	5	5	
96	5	15	Pitting
97	5	5	
98	5	5	
99	5	15	Pitting
100	5	10	Pitting

Jt#	Wall Loss	Pitting	Damage
101	5	10	Pitting
101	Ultrasonic Wall Min: 0.219 Max: 0.222		
102	5	15	Pitting
103	5	15	Pitting
104	5	10	Pitting
105	5	5	
106	5	15	Pitting
107	5	15	Pitting
108	5	5	
109	5	5	
110	5	5	
111	5	15	Pitting
112	5	15	Pitting
113	5	15	Pitting
114	5	15	Pitting
115	5	15	Pitting
116	5	15	Pitting
117	5	10	Pitting
118	5	10	Pitting
119	5	10	Pitting
120	5	15	Pitting
121	5	15	Pitting
122	5	15	Pitting
123	5	15	Pitting
124	5	5	
125	5	10	Pitting
126	5	15	Pitting
127	5	5	
128	5	5	
129	5	10	Pitting
130	5	15	Pitting
131	5	10	Pitting
132	5	10	Pitting
133	10	15	Wall Loss & Pitting
134	5	10	Pitting
135	5	15	Pitting
136	5	5	
137	5	5	
138	5	15	Pitting
139	5	15	Pitting
140	5	15	Pitting
141	5	15	Pitting
142	5	10	Pitting
143	5	10	Pitting
144	5	10	Pitting
145	5	10	Pitting

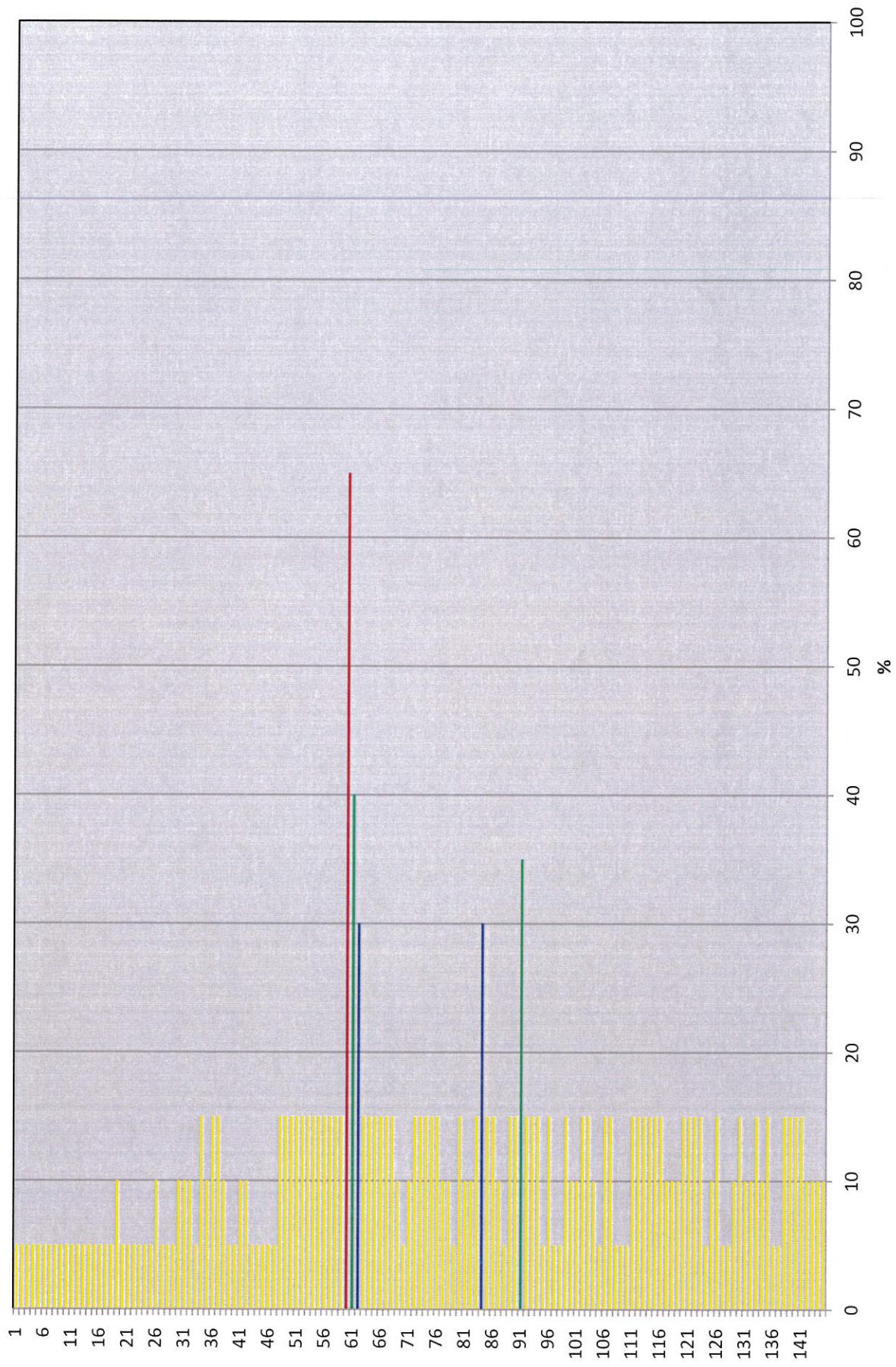
## Pitting 1 to 145



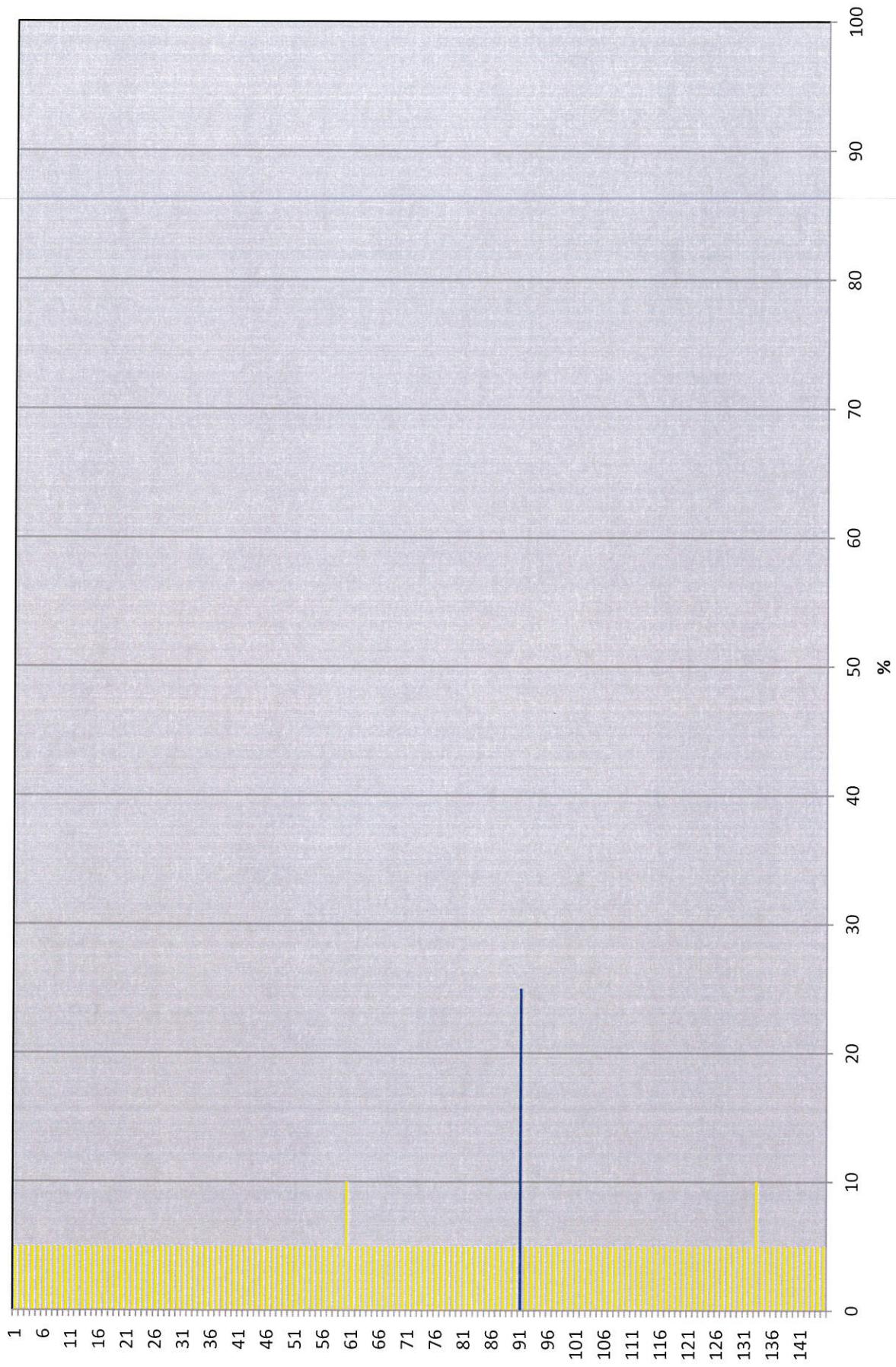
## Wall Loss 1 to 145



## Pitting 1 to 145



## Wall Loss 1 to 145





## **Daily Abandonment Report**

Operator: Strategic Oil & Gas Ltd.

Reporting To: Ken Nikiforuk

Consultant: Jack Harvey

Tel2:  
Tel1: (403) 596-8084

UWI: 300E726010117150	WELL: Strategic et al Cameron E-72			DATE: 15-Feb-2019					
24 Hr Summary: MIRU Service rig and support, P-tank, Flare Stack, Air Trailer, Boiler, and all				END: 19-Feb-2019					
Formation: Sulpher Point		Surf Loc: E-72 60-10N 117-15W		Licence: 2048					
Objective: Abandon wellbore			Abandonment Type: Downhole		Serv Rig Start: 15-Feb-2019				
Operations at 6:00: MIRU all support equipment			AFE #: 19ABCAM001		AFE Estimate: \$131,764.00				
Daily Cost:	\$51,991	Previous Cumulative Cost:			\$0				
					Cum Cost: \$51,991				
Ground:	729.00	m	KB To TH	m	Open Hole: mKB	Date	Perf Formation	Top	Base
KB to Grd:	5.40	m	Tubing:	73 mm	Bot at: 1390 m				
TD (MD):	1,408.60	m	Casing:	139.7 mm	Set at: 1438 m				
PBTD:	1,402.00	m	Liner:	mm	Top at: m				
BOP Drill:	BOP Press Test:			Function Test:					
SITP:	kPa	SICP:	kPa	SCV:	kPa	H <sub>2</sub> S %			

**Remarks:**

Note: Pump truck had transmission issues which caused for a slow rig move.

Total: 12

### Equipment on Location:

Reservoir Fluids Summary	<input type="checkbox"/> Gas:	Daily: 10 <sup>3</sup> m <sup>3</sup> /d		Cum: 10 <sup>3</sup> m <sup>3</sup>		Tubing volume: m <sup>3</sup>		
	Reset <input type="checkbox"/> Cums	Oil or Condensate:		Daily: m <sup>3</sup>	Cum: m <sup>3</sup>	Csg. ann vol: m <sup>3</sup>		
	<input type="checkbox"/> Water:	Daily: m <sup>3</sup>		Cum: m <sup>3</sup>	Open hole vol: m <sup>3</sup>			
	Time Swabbed/Flowed:		Daily: 0.00 hrs	Cum: hrs	Total: 0 m <sup>3</sup>			
Load Fluids	Reset <input type="checkbox"/> Cums	OIL	Used m <sup>3</sup>	Cum m <sup>3</sup>	Rec m <sup>3</sup>	Cum m <sup>3</sup>	To Rec m <sup>3</sup>	
	<input type="checkbox"/> OTHER	WATER	Used m <sup>3</sup>	Cum 0 m <sup>3</sup>	Rec m <sup>3</sup>	Cum 0 m <sup>3</sup>	To Rec 0 m <sup>3</sup>	
			Used m <sup>3</sup>	Cum m <sup>3</sup>	Rec m <sup>3</sup>	Cum m <sup>3</sup>	To Rec m <sup>3</sup>	
Hours	Service Rig Hours		Daily 12.00 hrs	Cumulative 12.00 hrs	DownTime: hrs	Cumulative DownTime: hrs		
	Personnel on Location		Rig: 6	Service: 9	Company: 1	Total Personnel: 16		
	Weather: overcast		Temp -20 °C	Lease: graded	Roads: ice roads			
Manager:				Programmed By:				