

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
 Tour Sheet Serial Number 052529_20160504_2A Surface Location 05-09-081-16W6
 Vendor Software Version Pason Year 2016 Month 05 Day 04
 Operator ARC RESOURCES Contractor PRECISION DRILLING, DIV OF PDCLP Rig No 529 Well Type HORIZ
 Operator's AFE 84 Contractor's Job No 16DRLO033 Spud Date Time 2016/05/04 23:00
 Signature of Operator Representative Guy Rockabar Signature of Contractor's Rig Manager MARC RAYMOND Rig Release Date Time

DAILY CHECKS
 1) Daily Walk Around Inspection
 2) Detailed Inspection - Weekly (Using Check List)
 3) H2S Signs Posted if Required
 4) Well License & Stick Diagram Posted
 5) Flare Lines Staked
 6) BOP Drills Performed
 7) Visually Inspected BOPs - Flare Lines & Degasser Lines
 1) Rig Site Health & Safety Meeting (one/crew/month)
 2) CAODC Rig Safety Inspection Checklist (one/rig/month)
 3) Mast Inspection before Raising or Lowering
 4) Crown Saver Checked
 5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
HOURLS	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	FUEL @ 08:00 HOURS
Tour 1																										
Tour 2	4.50																				0.50					5.00
Tour 3	1.25	0.50					0.25													1.50	0.50					4.00
Total	5.75	0.50					0.25													1.50	1.00					9.00

TOUR 1 SIGNATURE OF DRILLER MARC RAYMOND **START TIME** 00:00 **END TIME** 08:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number	Size	No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
IADC Code	Manufacturer																										
Type	Serial No																										
Jets	Depth Out (m)																										
Depth In (m)	Total Drilled (m)																										
Hrs Run Today	Cumulative Hrs Run																										
Entry Date																											
CUTTING STRUCTURE		HOLE CONDITION			REDUCED PUMP SPEED			SAFETY																			
TI	TO	Gage	Reason Pulled	Drill Pipe	Stands	Drill Pipe	Singles	Kelly Down	Total	Weight of DC	Weight of String	Hole Drag	Up	Down	Torque at Bottom	Fill on Bottom	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic	MEHL	MACP

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number	Size	No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
IADC Code	Manufacturer																										
Type	Serial No																										
Jets	Depth Out (m)																										
Depth In (m)	Total Drilled (m)																										
Hrs Run Today	Cumulative Hrs Run																										
Entry Date																											
CUTTING STRUCTURE		HOLE CONDITION			REDUCED PUMP SPEED			SAFETY																			
TI	TO	Gage	Reason Pulled	Drill Pipe	Stands	Drill Pipe	Singles	Kelly Down	Total	Weight of DC	Weight of String	Hole Drag	Up	Down	Torque at Bottom	Fill on Bottom	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic	MEHL	MACP

TOUR 3 SIGNATURE OF DRILLER JASON GILES **START TIME** 20:00 **END TIME** 24:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number	Size	No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
IADC Code	Manufacturer																										
Type	Serial No																										
Jets	Depth Out (m)																										
Depth In (m)	Total Drilled (m)																										
Hrs Run Today	Cumulative Hrs Run																										
Entry Date																											
CUTTING STRUCTURE		HOLE CONDITION			REDUCED PUMP SPEED			SAFETY																			
TI	TO	Gage	Reason Pulled	Drill Pipe	Stands	Drill Pipe	Singles	Kelly Down	Total	Weight of DC	Weight of String	Hole Drag	Up	Down	Torque at Bottom	Fill on Bottom	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic	MEHL	MACP

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
 Operator ARC RESOURCES
 Operator's AFE 84
 Signature of Operator Representative Guy Rockabar

Tour Sheet Serial Number 052529_20160504_2A
 Surface Location 05-09-081-16W6
 Contractor PRECISION DRILLING, DIV OF PDCLP
 Contractor's Job No 16DRLO033
 Signature of Contractor's Rig Manager MARC RAYMOND

Vendor Software Version Pason
 Year 2016 Month 05 Day 04
 Prov BC Loc Type DLS Unique Well Id 100/14-08-081-16W6/00
 Rig No 529 Well Type HORIZ
 Spud Date Time 2016/05/04 23:00
 Rig Release Date Time

DAILY CHECKS

- Daily Walk Around Inspection
- Detailed Inspection - Weekly (Using Check List)
- H2S Signs Posted if Required
- Well Licence & Stick Diagram Posted
- Flare Lines Staked
- BOP Drills Performed
- Visually Inspected BOPs - Flare Lines & Degasser Lines

1) Rig Site Health & Safety Meeting (one/crew/month)
 2) CAODC Rig Safety Inspection Checklist (one/rig/month)
 3) Mast Inspection before Raising or Lowering
 4) Crown Saver Checked
 5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL	FUEL @ 08:00 HOURS	
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other		Rig	Boiler
Tour 1																												
Tour 2	4.50																				0.50							5.00
Tour 3	1.25	0.50					0.25													1.50	0.50						4.00	
Total	5.75	0.50					0.25													1.50	1.00						9.00	

TOUR 1 SIGNATURE OF DRILLER MARC RAYMOND **START TIME** 00:00 **END TIME** 08:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks SAFETY Safety Topic MEHL MACP
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks SAFETY Safety Topic MEHL MACP
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		

TOUR 3 SIGNATURE OF DRILLER JASON GILES **START TIME** 20:00 **END TIME** 24:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks SAFETY Safety Topic MEHL MACP
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		

FRONT PAGE SUMMARY

Tour Sheet Serial Number: 052529_20160505_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 05
 License No: 31606, Well Name: PARKLAND C5-09-81-16W6
 Surface Location: 05-09-081-16W6
 Prov: BC, Loc Type: DLS, Unique Well Id: 103/14-08-081-16W6/00
 Operator: ARC RESOURCES
 Operator's AFE: 16DRLO036
 Signature of Operator Representative: Guy Rockabar
 Contractor: PRECISION DRILLING, DIV OF PDCLP
 Contractor's Job No: 84
 Signature of Contractor's Rig Manager: MARC RAYMOND
 Rig No: 529
 Well Type: HORIZ
 Spud Date Time: 2016/05/04 23:00
 Rig Release Date Time: []

DAILY CHECKS

1) Daily Walk Around Inspection
 2) Detailed Inspection - Weekly (Using Check List)
 3) H2S Signs Posted if Required
 4) Well License & Stick Diagram Posted
 5) Flare Lines Staked
 6) BOP Drills Performed
 7) Visually Inspected BOPs - Flare Lines & Degasser Lines
 1) Rig Site Health & Safety Meeting (one/crew/month)
 2) CAODC Rig Safety Inspection Checklist (one/rig/month)
 3) Mast Inspection before Raising or Lowering
 4) Crown Saver Checked
 5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
HOURS	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Log	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	FUEL @ 08:00 HOURS
Tour 1		5.25			0.25		0.25													2.00	0.25					8.00
Tour 2		0.50			1.25	2.75						3.25	2.00							0.75	1.50					12.00
Tour 3														3.75												4.00
Total		5.75			1.50	2.75	0.25					3.25	2.00	3.75						2.75	2.00					24.00

TOUR 1 SIGNATURE OF DRILLER JASON GILES **START TIME** 00:00 **END TIME** 08:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number: 1	Size: 279	No: 1	Component: BIT	OD: 0	ID: 0.28m	Mud Type: Water	Time: 07:30	From: 00:00	To: 05:15
IADC Code:	Manufacturer: SICOTTE	No: 1	Component: MOTOR	OD: 203	ID: 8.04m	Other:	Density: 1200	To: 05:15	To: 07:15
Type: SS516GB	Serial No: 12629	No: 1	Component: BELL SUB	OD: 165	ID: 0.80m	Funnel Viscosity: 48s/l	Fluid Loss:	To: 07:15	To: 07:30
Jets: 14.3, 14.3, 14.3, 14.3	No: 1	No: 1	Component: NM SLICK MONEL	OD: 165	ID: 9.22m	pH:	Location of Sample: SHAKERS	To: 07:30	To: 07:45
Depth Out (m): 14.3, 14.3, 14.3	No: 1	No: 1	Component: JARS-HYD/MECH	OD: 166	ID: 5.49m	Depth: 450m	PVT: 18m3	To: 07:45	To: 08:00
Depth In (m): 0	No: 1	No: 1	Component: X/O	OD: 158	ID: 0.90m	CIRCULATION			
Total Drilled (m):	No: 1	No: 1	Component: 137 x 4.5 HWDP	OD: 114	ID: 346.32m	Pump# 1	Type	Line Size	SPM
Hrs Run Today: 5.25	No: 1	No: 1	Component: STANDS	OD: 87.85m	ID: 18.79m	Pressure	Hours Run		
Cumulative Hrs Run: 5.25	No: 1	No: 1	Component: SINGLES	OD: 18.79m	ID: 1.00m	Strokes/min	Depth		
Entry Date: 2016/05/04	No: 1	No: 1	Component: KELLY DOWN	OD: 1.00m	ID: 489.50m	Remarks:			
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		Boiler		SAFETY	
TI: 2	Gage: 0	Hole Drag: Up 1, Down 1	Torque at Bottom: 12500.00Nm	Pump No. 1	Pressure: @	Strokes/min: @	Depth: @	Boiler #	Hours Run
TO: 2	ODC: 0	Fill on Bottom: 0.00m		2	@	@	@		
MDC: LT	Reason Pulled: TD				@	@	@		
LOC: A	Total Run (m/hr): 91.27				@	@	@		
BRG: X					@	@	@		
METRES DRILLED		REMARKS		Boiler		SAFETY		SAFETY	
From: 72m	To: 489m	D-R-C: DRILL	RPM: 60	WOB: 13kdaN	Remarks: INSPECT ALL FLOOR EQUIPMENT, CIRCULATING SYSTEM, CONDUCTOR/FLOW LINE, MUD PUMPS, ALL TUGER HOOKS/LINES, SLINGS	Boiler #	Hours Run	pH	Stack Temp
					INSPECT ESCAPE BUGGY/MONKEYBOARD SRL				
					FUNCTION ALL TRAVEL STOPS/LIMITS & CROWN SAVER				
					REVIEW COP 2-3 DERRICK CONNECTIONS				
					SAFETY				
					Safety Topic	MEHL	MACP		
					Connections	40.00kdaN	0kPa		

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number: 1	Size: 279	No: 1	Component: BIT	OD: 0	ID: 0.28m	Mud Type: Water	Time: 07:30	From: 08:00	To: 08:15
IADC Code:	Manufacturer: SICOTTE	No: 1	Component: MOTOR	OD: 203	ID: 8.04m	Other:	Density: 1200	To: 08:15	To: 10:30
Type: SS516GB	Serial No: 12629	No: 1	Component: BELL SUB	OD: 165	ID: 0.80m	Funnel Viscosity: 48s/l	Fluid Loss:	To: 10:30	To: 11:00
Jets: 14.3, 14.3, 14.3, 14.3	No: 1	No: 1	Component: NM SLICK MONEL	OD: 165	ID: 9.22m	pH:	Location of Sample: SHAKERS	To: 11:00	To: 11:30
Depth Out (m): 14.3, 14.3, 14.3	No: 1	No: 1	Component: JARS-HYD/MECH	OD: 166	ID: 5.49m	Depth: 450m	PVT: 18m3	To: 11:30	To: 11:45
Depth In (m): 0	No: 1	No: 1	Component: X/O	OD: 158	ID: 0.90m	CIRCULATION		To: 11:45	To: 12:15
Total Drilled (m):	No: 1	No: 1	Component: 137 x 4.5 HWDP	OD: 114	ID: 346.32m	Pump# 1	Type	Line Size	SPM
Hrs Run Today: 5.50	No: 1	No: 1	Component: STANDS	OD: 87.85m	ID: 18.79m	Pressure	Hours Run		
Cumulative Hrs Run: 5.50	No: 1	No: 1	Component: SINGLES	OD: 18.79m	ID: 1.00m	Strokes/min	Depth		
Entry Date: 2016/05/04	No: 1	No: 1	Component: KELLY DOWN	OD: 1.00m	ID: 489.50m	Remarks:			
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		Boiler		SAFETY	
TI: 2	Gage: 0	Hole Drag: Up 3, Down 2	Torque at Bottom: 3000.00Nm	Pump No. 1	Pressure: @	Strokes/min: @	Depth: @	Boiler #	Hours Run
TO: 2	ODC: 0	Fill on Bottom: 0.00m		2	@	@	@		
MDC: LT	Reason Pulled: TD				@	@	@		
LOC: A	Total Run (m/hr): 91.27				@	@	@		
BRG: X					@	@	@		
METRES DRILLED		REMARKS		Boiler		SAFETY		SAFETY	
From: 489m	To: 502m	D-R-C: DRILL	RPM: 60	WOB: 14kdaN	Remarks: INSPECT ALL FLOOR EQUIPMENT, CIRCULATING SYSTEM, CONDUCTOR/FLOW LINE, MUD PUMPS, ALL TUGER HOOKS/LINES, SLINGS	Boiler #	Hours Run	pH	Stack Temp
					INSPECT ESCAPE BUGGY/MONKEYBOARD SRL				
					FUNCTION ALL TRAVEL STOPS/LIMITS & CROWN SAVER				
					INSPECT TONG HAND EGP				
					SAFETY				
					Safety Topic	MEHL	MACP		
					RUN CASING/CEMENT	40.00kdaN	0kPa		

TOUR 3 SIGNATURE OF DRILLER JASON GILES **START TIME** 20:00 **END TIME** 24:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number: 1	Size: 279	No: 1	Component: BIT	OD: 0	ID: 0.28m	Mud Type: Water	Time: 07:30	From: 20:00	To: 21:00
IADC Code:	Manufacturer: SICOTTE	No: 1	Component: MOTOR	OD: 203	ID: 8.04m	Other:	Density: 1200	To: 21:00	To: 21:15
Type: SS516GB	Serial No: 12629	No: 1	Component: BELL SUB	OD: 165	ID: 0.80m	Funnel Viscosity: 48s/l	Fluid Loss:	To: 21:15	To: 21:18
Jets: 14.3, 14.3, 14.3, 14.3	No: 1	No: 1	Component: NM SLICK MONEL	OD: 165	ID: 9.22m	pH:	Location of Sample: SHAKERS	To: 21:18	To: 24:00
Depth Out (m): 14.3, 14.3, 14.3	No: 1	No: 1	Component: JARS-HYD/MECH	OD: 166	ID: 5.49m	Depth: 450m	PVT: 18m3		
Depth In (m): 0	No: 1	No: 1	Component: X/O	OD: 158	ID: 0.90m	CIRCULATION			
Total Drilled (m):	No: 1	No: 1	Component: 137 x 4.5 HWDP	OD: 114	ID: 346.32m	Pump# 1	Type	Line Size	SPM
Hrs Run Today:	No: 1	No: 1	Component: STANDS	OD: 87.85m	ID: 18.79m	Pressure	Hours Run		
Cumulative Hrs Run:	No: 1	No: 1	Component: SINGLES	OD: 18.79m	ID: 1.00m	Strokes/min	Depth		
Entry Date: 2016/05/04	No: 1	No: 1	Component: KELLY DOWN	OD: 1.00m	ID: 489.50m	Remarks:			
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		Boiler		SAFETY	
TI: 2	Gage: 0	Hole Drag: Up 3, Down 2	Torque at Bottom: 3000.00Nm	Pump No. 1	Pressure: @	Strokes/min: @	Depth: @	Boiler #	Hours Run
TO: 2	ODC: 0	Fill on Bottom: 0.00m		2	@	@	@		
MDC: LT	Reason Pulled: TD				@	@	@		
LOC: A	Total Run (m/hr): 91.27				@	@	@		
BRG: X					@	@	@		
METRES DRILLED		REMARKS		Boiler		SAFETY		SAFETY	
From: 502m	To: 502m	D-R-C: DRILL	RPM: 60	WOB: 14kdaN	Remarks: INSPECT ALL FLOOR EQUIPMENT, CIRCULATING SYSTEM, CONDUCTOR/FLOW LINE, MUD PUMPS, ALL TUGER HOOKS/LINES, SLINGS	Boiler #	Hours Run	pH	Stack Temp
					INSPECT ESCAPE BUGGY/MONKEYBOARD SRL				
					FUNCTION ALL TRAVEL STOPS/LIMITS & CROWN SAVER				
					REVIEW COP 5-1 WELD ON CASING BOWL, 5-2 NIPPLE UP BOPs				
					SAFETY				
					Safety Topic	MEHL	MACP		
					Weld Bowl/Nipple Up	16.00kdaN	0kPa		

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
 Tour Sheet Serial Number 052529_20160506_1A Surface Location 05-09-81-16W6
 Vendor Software Version Pason Prov BC DLS Unique Well Id 103/14-08-081-16W6/00
 Operator ARC RESOURCES Contractor PRECISION DRILLING, DIV OF PDCLP
 Operator's AFE 16DRLO036 Contractor's Job No 84
 Signature of Operator Representative Guy Rockabarr Signature of Contractor's Rig Manager MARC RAYMOND

DAILY CHECKS
 1) Daily Walk Around Inspection
 2) Detailed Inspection - Weekly (Using Check List)
 3) H2S Signs Posted if Required
 4) Well Licence & Stick Diagram Posted
 5) Flare Lines Staked
 6) BOP Drills Performed
 7) Visually Inspected BOPs - Flare Lines & Degasser Lines

OP RM
 GR MR
 GR MR
 GR MR
 GR MR
 GR MR
 GR MR
 MR
 MR
 MR



HOURS	CODE																								TOTAL	WEATHER	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			25
Tour 1																										8.00	Clear
Tour 2		5.75					2.00	0.25												1.25	0.75					12.00	2.00
Tour 3		2.75						0.25												3.00	1.00					4.00	2.00
Total		8.50					2.00	0.50												5.00	2.00					24.00	4.00

TOUR 1 SIGNATURE OF DRILLER JASON GILES **START TIME** 00:00 **END TIME** 08:00

BITS				DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG					
Bit Number	2	No	Component	OD	ID	Length		Mud Type	Water	Oil		Time	Depth	Deviation	Direction	From	To	Elapsed	Code		
Size	171	1	BIT	171	0	0.23m		Other				11:15	524.38m	1.5	209.7	08:00	08:15	0.25	21A		
IADC Code		1	MOTOR	127	0	8.68m		Time				11:30	553.63m	1.4	210.9	08:15	10:15	2.00	6A		
Manufacturer	HALIBURTON	1	NM SLICK MONEL	120	69	9.32m		Density				11:45	582.88m	0.3	180.5	10:15	10:30	0.25	7		
Type	MM65D	1	GAP SUB	126	69	1.71m		Funnel Viscosity				12:15	612.13m	0.6	359.7	10:15	10:30	0.25	7		
Serial No	12484878	1	NM SLICK MONEL	120	69	9.27m		Fluid Loss				12:30	641.38m	1.3	350.5	10:30	10:45	0.25	21		
Jets	7.5 7.5 7.5	1	NM SLICK MONEL	117	69	9.26m		pH				12:45	656m	1.6	349.1	10:45	11:00	0.25	21A		
Depth Out (m)		1	X/O	134	61	0.94m		Location of Sample				13:00	670.63m	3	7.1	11:00	16:45	5.75	2		
Depth In (m)	502	1	X/O	134	62	0.96m		Depth				16:45	19:45	3.00	20A	19:45	20:00	0.25	21		
Total Drilled (m)	447	1	JARS-HYD/MECH	133	57	5.50m		PVT													
Hrs Run Today	5.75	1	X/O	134	68	0.94m		CIRCULATION													
Cumulative Hrs Run	5.75	1	32 x 4.5" HWDP	114	71	299.52m		Pump#	Type	Liner Size	SPM	Pressure	Hours Run								
Entry Date	2016/05/06							1	SINGLE	140	115	18000	9								
								2	SINGLE	127	0	18000	0								
CUTTING STRUCTURE				HOLE CONDITION				REDUCED PUMP SPEED				Boiler									
TI		Gage		Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp							
TO		ODC		Torque at Bottom				@	@	@											
MDC		Reason Pulled		Fill on Bottom				@	@	@											
LOC		Total Run (m/hr)						@	@	@											
BRG								@	@	@											

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS				DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG			
Bit Number	2	No	Component	OD	ID	Length		Mud Type	Water	Oil		Time	Depth	Deviation	Direction	From	To	Elapsed	Code
Size	171	1	BIT	171	0	0.23m		Other				11:15	524.38m	1.5	209.7	08:00	08:15	0.25	21A
IADC Code		1	MOTOR	127	0	8.68m		Time				11:30	553.63m	1.4	210.9	08:15	10:15	2.00	6A
Manufacturer	HALIBURTON	1	NM SLICK MONEL	120	69	9.32m		Density				11:45	582.88m	0.3	180.5	10:15	10:30	0.25	7
Type	MM65D	1	GAP SUB	126	69	1.71m		Funnel Viscosity				12:15	612.13m	0.6	359.7	10:15	10:30	0.25	7
Serial No	12484878	1	NM SLICK MONEL	120	69	9.27m		Fluid Loss				12:30	641.38m	1.3	350.5	10:30	10:45	0.25	21
Jets	7.5 7.5 7.5	1	NM SLICK MONEL	117	69	9.26m		pH				12:45	656m	1.6	349.1	10:45	11:00	0.25	21A
Depth Out (m)		1	X/O	134	61	0.94m		Location of Sample				13:00	670.63m	3	7.1	11:00	16:45	5.75	2
Depth In (m)	502	1	X/O	134	62	0.96m		Depth				16:45	19:45	3.00	20A	19:45	20:00	0.25	21
Total Drilled (m)	447	1	JARS-HYD/MECH	133	57	5.50m		PVT											
Hrs Run Today	5.75	1	X/O	134	68	0.94m		CIRCULATION											
Cumulative Hrs Run	5.75	1	32 x 4.5" HWDP	114	71	299.52m		Pump#	Type	Liner Size	SPM	Pressure	Hours Run						
Entry Date	2016/05/06							1	SINGLE	140	115	18000	9						
								2	SINGLE	127	0	18000	0						
CUTTING STRUCTURE				HOLE CONDITION				REDUCED PUMP SPEED				Boiler							
TI		Gage		Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp					
TO		ODC		Torque at Bottom				@	@	@									
MDC		Reason Pulled		Fill on Bottom				@	@	@									
LOC		Total Run (m/hr)						@	@	@									
BRG								@	@	@									

TOUR 3 SIGNATURE OF DRILLER JASON GILES **START TIME** 20:00 **END TIME** 24:00

BITS				DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG			
Bit Number	2	No	Component	OD	ID	Length		Mud Type	Water	Oil		Time	Depth	Deviation	Direction	From	To	Elapsed	Code
Size	171	1	BIT	171	0	0.23m		Other				20:30	963.13m	2.9	27.8	20:00	20:15	0.25	21A
IADC Code		1	MOTOR	127	0	8.68m		Time	21.00	23.45	21:00	977.76m	1.9	35.4	20:15	23:00	2.75	2	
Manufacturer	HALIBURTON	1	NM SLICK MONEL	120	69	9.32m		Density	1170	1180	21:15	992.38m	0.7	53.7	23:00	23:45	0.75	20A	
Type	MM65D	1	GAP SUB	126	69	1.71m		Funnel Viscosity	33s/l	33s/l	22:00	1021.63m	0.2	217.3	23:45	24:00	0.25	7	
Serial No	12484878	1	NM SLICK MONEL	120	69	9.27m		Fluid Loss				22:45	1050.88m	0.2	12.2				
Jets	7.5 7.5 7.5	1	NM SLICK MONEL	117	69	9.26m		pH				23:15	1080.13m	0.5	52.1				
Depth Out (m)		1	X/O	134	61	0.94m		Location of Sample	SHAKERS	SHAKERS									
Depth In (m)	502	1	X/O	134	62	0.96m		Depth											
Total Drilled (m)	615	1	JARS-HYD/MECH	133	57	5.50m		PVT											
Hrs Run Today	2.75	1	X/O	134	68	0.94m		CIRCULATION											
Cumulative Hrs Run	8.50	1	32 x 4.5" HWDP	114	71	299.52m		Pump#	Type	Liner Size	SPM	Pressure	Hours Run						
Entry Date	2016/05/06							1	SINGLE	140	120	12500	0						
								2	SINGLE	127	0	12500	0						
CUTTING STRUCTURE				HOLE CONDITION				REDUCED PUMP SPEED				Boiler							
TI		Gage		Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp					
TO		ODC		Torque at Bottom				@	@	@									
MDC		Reason Pulled		Fill on Bottom				@	@	@									
LOC		Total Run (m/hr)						@	@	@									
BRG								@	@	@									

FRONT PAGE SUMMARY

License No 31606	Well Name PARKLAND C5-09-81-16W6	Tour Sheet Serial Number 052529_20160506_1A	Vendor Software Version Pason	Year 2016	Month 05	Day 06
Operator ARC RESOURCES		Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00	
Operator's AFE 16DRLO036		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Well Type HORIZ	Re-Entry <input type="checkbox"/>	
Signature of Operator Representative Guy Rockabar		Contractor's Job No 84	Signature of Contractor's Rig Manager MARC RAYMOND		Spud Date Time 2016/05/04 23:00	
				Rig Release Date Time		

DAILY CHECKS

- Daily Walk Around Inspection
- Detailed Inspection - Weekly (Using Check List)
- H2S Signs Posted if Required
- Well Licence & Stick Diagram Posted
- Flare Lines Staked
- BOP Drills Performed
- Visually Inspected BOPs - Flare Lines & Degasser Lines

1) Rig Site Health & Safety Meeting (one/crew/month)
2) CAODC Rig Safety Inspection Checklist (one/rig/month)
3) Mast Inspection before Raising or Lowering
4) Crown Saver Checked
5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	
Tour 1															6.00						1.25	0.75				8.00
Tour 2		5.75					2.00	0.25													3.00	1.00				12.00
Tour 3		2.75						0.25													0.75	0.25				4.00
Total		8.50					2.00	0.50							6.00						5.00	2.00				24.00

TOUR 1 SIGNATURE OF DRILLER JASON GILES **START TIME** 00:00 **END TIME** 08:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks REMARKS: REVIEW COP 5-3 PRESSURE TEST BOPs, 2-1 BHA. MID-INCRINATOR THROWING RED ASH FROM STACK VERY HIGH POTENTIAL FOR A FOREST FIRE AT THIS TIME OF THE DRY SEASON. DECIDED BY COMPANY/MAN NOT TO BURN ANYMORE GARBAGE . DISPOSIT OF IT IN SANICARE BOX INSTEAD. (VERY WISE DECISION)
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		Safety Topic MEHL MACP Press.Test/BHA 20.00kdaN 3226kPa

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks REMARKS: HAZARD ID- DURING ARE PRE- TRANSFER LINE WALK WE FOUND A PIN HOLE IN THE 3' TRANSFER LINE. CHANGED IT OUT.
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		Safety Topic MEHL MACP DRILL OUT 41.00kdaN 3373kPa

TOUR 3 SIGNATURE OF DRILLER JASON GILES **START TIME** 20:00 **END TIME** 24:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks REMARKS: REVIEW COP 2-3 DP CONNECTIONS FROM DERRICK BOP DRILL WITH CREW - WELL SECURE/MEN IN POSITION - 85seconds, HCR-2sec,T/O, ANNULAR-20sec,T/C
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		Safety Topic MEHL MACP Connections/BOP Drill 57.00kdaN 3324kPa

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6 Surface Location 05-09-081-16W6 Contractor PRECISION DRILLING, DIV OF PDCLP Rig No 529 Well Type HORIZ Spud Date Time 2016/05/04 23:00

DAILY CHECKS 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required 4) Well Licence & Stick Diagram Posted 5) Flare Lines Staked 6) BOP Drills Performed 7) Visually Inspected BOPs - Flare Lines & Degasser Lines



Table with 25 columns (CODE 1-25) and 2 rows (Tour 1, Tour 2, Tour 3, Total). Columns include Rig Up, Drill Actual, Reaming, Coring, Concl Mud & Circ, Trips, Rig Service, Repair Rig, Cut Off Drill Line, Dev Survey, Wireline Logs, Run Csg & Cement, Wait On Cement, Nipple Up BOP, Test BOP, Drillstem Test, Plug Back, Squeeze Cement, Fishing, Dir Work, Safety Meeting, Tear Down, Waiting On, Rig Watch, Other, TOTAL.

TOUR 1 SIGNATURE OF DRILLER JASON GILES START TIME 00:00 END TIME 08:00

TOUR 1 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT START TIME 08:00 END TIME 20:00

TOUR 2 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY

TOUR 3 SIGNATURE OF DRILLER JASON GILES START TIME 20:00 END TIME 24:00

TOUR 3 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
Tour Sheet Serial Number 052529_20160506_1A
Surface Location 05-09-081-16W6
Vendor Software Version Pason
Year 2016 Month 05 Day 06
Operator ARC RESOURCES
Contractor PRECISION DRILLING, DIV OF PDCLP
Rig No 529
Well Type HORIZ
Signature of Operator Representative Guy Rockabar
Signature of Contractor's Rig Manager MARC RAYMOND

DAILY CHECKS
1) Daily Walk Around Inspection
2) Detailed Inspection - Weekly (Using Check List)
3) H2S Signs Posted if Required
4) Well Licence & Stick Diagram Posted
5) Flare Lines Staked
6) BOP Drills Performed
7) Visually Inspected BOPs - Flare Lines & Degasser Lines
1) Rig Site Health & Safety Meeting (one/crew/month)
2) CAODC Rig Safety Inspection Checklist (one/rig/month)
3) Mast Inspection before Raising or Lowering
4) Crown Saver Checked
5) Motor Kills Checked



Table with 25 columns (CODE 1-25) and 4 rows (Tour 1-3, Total). Columns include Rig Up, Drill Actual, Reaming, Coring, etc. Total hours: 8.00.

TOUR 1 SIGNATURE OF DRILLER JASON GILES START TIME 00:00 END TIME 08:00

TOUR 1 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT START TIME 08:00 END TIME 20:00

TOUR 2 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY

TOUR 3 SIGNATURE OF DRILLER JASON GILES START TIME 20:00 END TIME 24:00

TOUR 3 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
Tour Sheet Serial Number 052529_20160507_1A
Vendor Software Version Pason
Year 2016 Month 05 Day 07
Surface Location 05-09-081-16W6
Prov BC Loc Type DLS Unique Well Id 103/14-08-081-16W6/00
Contractor PRECISION DRILLING, DIV OF PDCLP
Rig No 529
Well Type HORIZ
Signature of Operator Representative Guy Rockabar
Signature of Contractor's Rig Manager MARC RAYMOND
Rig Release Date Time

- DAILY CHECKS
1) Daily Walk Around Inspection
2) Detailed Inspection - Weekly (Using Check List)
3) H2S Spills Posted if Required
4) Well License & Stick Diagram Posted
5) Flare Lines Staked
6) BOP Drills Performed
7) Visually Inspected BOPs - Flare Lines & Degasser Lines
1) Rig Site Health & Safety Meeting (one/crew/month)
2) CAODC Rig Safety Inspection Checklist (one/rig/month)
3) Mast Inspection before Raising or Lowering
4) Crown Saver Checked
5) Motor Kills Checked



Table with 25 columns (CODE 1-25) and 10 rows (TOUR 1-3, Total). Columns include Rig Up, Drill Actual, Reaming, Coring, Concl Mud & Circ, Trips, Rig Service, Repair Rig, Cut Off Drill Log, Dev Survey, Wireline Logs, Run Csg & Cement, Wait On Cement, Nipple Up BOP, Test BOP, Drillstem Test, Plug Back, Squeeze Cement, Fishing, Dir Work, Safety Meeting, Tear Down, Waiting On, Rig Watch, Other, TOTAL. Includes FUEL @ 08:00 HOURS and WEATHER summary.

TOUR 1 SIGNATURE OF DRILLER JASON GILES START TIME 00:00 END TIME 08:00

TOUR 1 detailed data section including: BITS (Bit Number 2, Size 171, IADC Code, Manufacturer HALIBURTON, Type MM65D, Serial No 12484878, Jets 7.5, 7.5, 7.5, 7.5, Depth Out (m) 1386, Depth In (m) 502, Total Drilled (m) 884, Hrs Run Today 4.50, Cumulative Hrs Run 13.00), DRILLING ASSEMBLY (No 34, Component Drill Pipe, Stands 994.50m, Kelly Down -1.63m, Total 1386.00m, Weight of DC 59kdaN), MUD RECORD (Mud Type Water, Density 1180, Funnel Viscosity 33s/l, Fluid Loss 0.25, pH 9.26, Location of Sample SHAKERS), DEVIATION SURVEYS (Time, Depth, Deviation, Direction, Type), TIME LOG (From 00:00, To 04:30, Elapsed 4:30, Code DRILL 171mm HOLE FROM 1117m TO 1386m), CUTTING STRUCTURE (TI 8, TO 8, MDC LC, LOC A, BRG X), METRES DRILLED (From 1117m, To 1386m, D-R-C DRILL, RPM 40, WOB 13kdaN), HOLE CONDITION (Hole Drag Up 2, Down 2, Torque at Bottom 6400.00Nm, Fill on Bottom 0.00m), REDUCED PUMP SPEED (Pump No. 1, Pressure 3010, Strokes/min 60, Depth 1386), SOLIDS CONTROL (Equipment Name BLACKSTONE, Hours Run 8, Intake Density 1190, Over Flow Density 1170, Under Flow Density 1780), MUD MATERIALS ADDED (SAWDUST 15 EACH, REDUCTION 5 EACH, NEW WASH 2 EACH, ALKALINE 3 EACH, WALNUT 4 EACH, DYNAFIBER 2 EACH, DEFOAMER DSCO 1 EACH, NEWFLOC 2 EACH), BOILER (Boiler #, Hours Run, pH, Stack Temp), SAFETY (Safety Topic MEHL, MACP, Connections 55.00kdaN, 3324kPa).

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT START TIME 08:00 END TIME 20:00

TOUR 2 detailed data section including: BITS (Bit Number 3, Size 171, IADC Code, Manufacturer HALIBURTON, Type MM64D, Serial No 12658869, Jets 7.9, 7.9, 7.9, 8.7, 8.7, Depth Out (m) 1540, Depth In (m) 1386, Total Drilled (m) 154, Hrs Run Today 4.50, Cumulative Hrs Run 4.50), DRILLING ASSEMBLY (No 34, Component Drill Pipe, Stands 1140.75m, Kelly Down 6.12m, Total 1540.00m, Weight of DC 59kdaN), MUD RECORD (Mud Type Water, Density 1170, Funnel Viscosity 116s/l, Fluid Loss 0.25, pH 9.26, Location of Sample SHAKERS), DEVIATION SURVEYS (Time, Depth, Deviation, Direction, Type), TIME LOG (From 08:00, To 10:00, Elapsed 2:00, Code TRIP OUT OF HOLE FLOW CHECK 10 MIN @ BOTTOM AND @ 1094M,686M @ TOOLS @M), CUTTING STRUCTURE (TI 8, TO 8, MDC LC, LOC A, BRG X), METRES DRILLED (From 1386m, To 1540m, D-R-C DRILL, RPM 50, WOB 12kdaN), HOLE CONDITION (Hole Drag Up 3, Down 3, Torque at Bottom 5000.00Nm, Fill on Bottom 0.00m), REDUCED PUMP SPEED (Pump No. 1, Pressure 2500, Strokes/min 50, Depth 1500), SOLIDS CONTROL (Equipment Name CENTRIFUGE, Hours Run 12, Intake Density 1170, Over Flow Density 1160, Under Flow Density 2000), MUD MATERIALS ADDED (ALKALINE 2 EACH, WALNUT 7 EACH, PREVENTION 1 EACH, DEFOAMER DSCO 2 EACH, NEWFLOC 2 EACH, REDUCTION 2 EACH), BOILER (Boiler #, Hours Run, pH, Stack Temp), SAFETY (Safety Topic TRIP IN, MEHL, MACP, Connections 60.00kdaN, 3324kPa).

TOUR 3 SIGNATURE OF DRILLER JASON GILES START TIME 20:00 END TIME 24:00

TOUR 3 detailed data section including: BITS (Bit Number, Size, IADC Code, Manufacturer, Type, Serial No, Jets, Depth Out (m), Depth In (m), Total Drilled (m), Hrs Run Today, Cumulative Hrs Run), DRILLING ASSEMBLY (No, Component, OD, ID, Length, Kelly Down, Total, Weight of DC, Weight of String), MUD RECORD (Mud Type, Water, Density, Funnel Viscosity, Fluid Loss, pH, Location of Sample), DEVIATION SURVEYS (Time, Depth, Deviation, Direction, Type), TIME LOG (From, To, Elapsed, Code, Details of Operations in Sequence & Remarks), CUTTING STRUCTURE (TI, TO, MDC, LOC, BRG), METRES DRILLED (From, To, D-R-C, RPM, WOB), HOLE CONDITION (Hole Drag, Up, Down, Torque at Bottom, Fill on Bottom), REDUCED PUMP SPEED (Pump No., Pressure, Strokes/min, Depth), SOLIDS CONTROL (Equipment Name, Hours Run, Intake Density, Over Flow Density, Under Flow Density), MUD MATERIALS ADDED (Product, Amount, Type), BOILER (Boiler #, Hours Run, pH, Stack Temp), SAFETY (Safety Topic, MEHL, MACP, Connections).

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
 Tour Sheet Serial Number 052529_20160508_1A Vendor Software Version Pason Year 2016 Month 05 Day 08
 Surface Location 05-09-081-16W6 Prov BC Loc Type DLS Unique Well Id 103/14-08-081-16W6/00
 Operator ARC RESOURCES Contractor PRECISION DRILLING, DIV OF PDCLP
 Operator's AFE 16DRLO036 Contractor's Job No 84
 Signature of Operator Representative Guy Rockabar Signature of Contractor's Rig Manager MARC RAYMOND

DAILY CHECKS
 1) Daily Walk Around Inspection
 2) Detailed Inspection - Weekly (Using Check List)
 3) H2S Signs Posted if Required
 4) Well Licence & Stick Diagram Posted
 5) Flare Lines Staked
 6) BOP Drills Performed
 7) Visually Inspected BOPs - Flare Lines & Degasser Lines
 8) Rig Site Health & Safety Meeting (one/crew/month)
 9) CAODC Rig Safety Inspection Checklist (one/rig/month)
 10) Mast Inspection before Raising or Lowering
 11) Crown Saver Checked
 12) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
Hours		2.00			0.75	2.75	0.25													2.25						8.00
Tour 1		8.50					0.25													3.25						12.00
Tour 2		3.00					0.25													0.75						4.00
Tour 3		13.50				0.75	2.75	0.75												6.25						24.00

TOUR 1 SIGNATURE OF DRILLER JASON GILES **START TIME** 00:00 **END TIME** 08:00

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG									
Bit Number	4	No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks				
Size	171	1	BIT	171	0	0.23m	Other			06:00	1549.54m	1.5	61.7		00:00	02:00	2:00	20A	CHANGE OUT MOTOR, GAP SUB/MWD TOOL, MAKE UP BIT #4				
IADC Code		1	MOTOR	127	0	8.74m	Time	05:00		07:15	1577.79m	1.1	35.4		02:00	04:45	2:75	8A	REVIEW COP 2-5 - TRIP IN HOLE TO 1535m, FLOW CHECKS/FILL PIPE @ 481m, 774m				
Manufacturer	HALIBURTON	1	NEAR BIT INC SUB	132	42	1.36m	Density	1120							04:45	05:30	0:75	5A	WASH TO BOTTOM FROM 1535m, PUMP SWEEP @ 1539.5m				
Type	MM64D	1	NM SLICK MONEL	120	69	9.32m	Funnel Viscosity	33s/l							05:30	07:30	2:00	2	DRILL 171mm HOLE FROM 1540m TO 1593M				
Serial No	12642936	1	GAP SUB	126	69	1.70m	Fluid Loss								07:30	07:45	0:25	20A	ACCUMULATED, DIRECTIONAL SURVEYS, WORK PIPE AND CONNECTIONS				
Jets	7.1 7.1 9.5	1	NM SLICK MONEL	120	69	9.27m	pH								07:45	08:00	0:25	7	RIG SERVICE - INSPECT/GREASE TOP DRIVE & DRAW WORKS, FUNCTION				
Depth Out (m)		1	NM SLICK MONEL	117	69	9.26m	Location of Sample	SHAKERS												ANNULAR-20sec/T/C			
Depth In (m)	1540	1	X/O	134	61	0.94m	Depth																
Total Drilled (m)	53	1	X/O	134	62	0.96m	PVT																
Hrs Run Today	2.00	1	JARS-HYD/MECH	133	57	5.50m	CIRCULATION				SOLIDS CONTROL				MUD MATERIALS ADDED								
Cumulative Hrs Run	2.00	1	X/O	134	68	0.94m	Pump#	Type	Liner Size	SPM	Pressure	Hours Run	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density						
Entry Date	2016/05/08	1	132 x 4.5" HWDP	114	71	299.52m	1	SINGLE	140	105	12000	3	NEWFLOC										
CUTTING STRUCTURE		41 Drill Pipe		Stands	1199.25m		Remarks:						SAWDUST		20		EACH						
TI		Kelly Down		0.00m								DEFOAMER DSCO		2		EACH							
TO		Total		1593.79m								CALCIUM CHLORIDE		23		EACH							
MDC		Weight of DC		0kdaN								Protection 20L Pail		2		EACH							
LOC		Weight of String		64kdaN														Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER					
BRG																		INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT					
METRES DRILLED		HOLE CONDITION		Hole Drag		Up	4	Down	6	REDUCED PUMP SPEED		Boiler						SAFETY					
From	To	D-R-C	RPM	WOB	Torque at Bottom	4500.00Nm		Fill on Bottom		0.00m		Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP
1540m	1593m	DRILL	30	10kdaN								1	3270	@	60	@							
												1	4305	@	65	@							

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG									
Bit Number	4	No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks				
Size	171	1	BIT	171	0	0.23m	Other			09:00	1607.04m	0.8	12.4		08:00	16:30	8:50	2	DRILL 171MM HOLE FROM 1593M TO 1751M				
IADC Code		1	MOTOR	127	0	8.74m	Time	09:30		09:30	1616.79m	1.3	357		16:30	19:45	3:25	20A	DIRECTIONAL SURVEYS, CONNECTION TIME				
Manufacturer	HALIBURTON	1	NEAR BIT INC SUB	132	42	1.36m	Density	1130		11:15	1626.54m	1.3	327		19:45	20:00	0:25	7	RIG SERVICE FCT UPPER PIPE RAM 4 SEC TO CLOSE				
Type	MM64D	1	NM SLICK MONEL	120	69	9.32m	Funnel Viscosity	32s/l		12:15	1636.29m	2.5	310.4										
Serial No	12642936	1	GAP SUB	126	69	1.70m	Fluid Loss			13:15	1650.91m	4.4	322.9										
Jets	7.1 7.1 9.5	1	NM SLICK MONEL	120	69	9.27m	pH			14:15	1665.54m	6.5	345										
Depth Out (m)		1	NM SLICK MONEL	117	69	9.26m	Location of Sample	SHAKERS		15:00	1680.16m	9.1	344.3										
Depth In (m)	1540	1	X/O	134	61	0.94m	Depth	1610m															
Total Drilled (m)	211	1	X/O	134	62	0.96m	PVT	70m3															
Hrs Run Today	8.50	1	JARS-HYD/MECH	133	57	5.50m	CIRCULATION				SOLIDS CONTROL				MUD MATERIALS ADDED								
Cumulative Hrs Run	10.50	1	X/O	134	68	0.94m	Pump#	Type	Liner Size	SPM	Pressure	Hours Run	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density						
Entry Date	2016/05/08	1	132 x 4.5" HWDP	114	71	299.52m	1	SINGLE	140	105	8570	12	CENTRIFUGE	12	1140	1120	2300						
CUTTING STRUCTURE		46 Drill Pipe		Stands	1345.50m		Remarks:						REACTION		4		EACH						
TI		Kelly Down		1.21m								ALKALIME		3		EACH							
TO		Total		1751.00m								NEWFLOC		2		EACH							
MDC		Weight of DC		0kdaN								PREVENTION		2		EACH							
LOC		Weight of String		68kdaN														Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER					
BRG																		INSPECT TOP DRIVE/ ELEVATORS/ BALES/ ALL OVERHEAD EQUIPMENT-INSPECT NOV ST-80 & ALL DRILL FLOOR EQUIPMENT					
METRES DRILLED		HOLE CONDITION		Hole Drag		Up	a	Down	e	REDUCED PUMP SPEED		Boiler						SAFETY					
From	To	D-R-C	RPM	WOB	Torque at Bottom	6800.00Nm		Fill on Bottom		0.00m		Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP
1593m	1751m	DRILL	30	10kdaN								1	3200	@	60	@							
												1	2950	@	60	@							

TOUR 3 SIGNATURE OF DRILLER JASON GILES **START TIME** 20:00 **END TIME** 24:00

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG									
Bit Number	4	No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks				
Size	171	1	BIT	171	0	0.23m	Other			20:00	1753.29m	22.4	340.6		20:00	23:00	3:00	2	DRILL 171mm HOLE FROM 1751m TO 1809m				
IADC Code		1	MOTOR	127	0	8.74m	Time	20:00		21:15	1767.91m	25.9	343.1		23:00	23:45	0:75	20A	ACCUMULATED, DIRECTIONAL SURVEYS, WORK PIPE AND CONNECTIONS				
Manufacturer	HALIBURTON	1	NEAR BIT INC SUB	132	42	1.36m	Density	1120		22:15	1782.54m	27.6	343.9		23:45	24:00	0:25	7	RIG SERVICE - INSPECT/GREASE TOP DRIVE & DRAW WORKS, FUNCTION LOWER PIPE				
Type	MM64D	1	NM SLICK MONEL	120	69	9.32m	Funnel Viscosity	31s/l		23:00	1797.16m	29.1	343.2										
Serial No	12642936	1	GAP SUB	126	69	1.70m	Fluid Loss																
Jets	7.1 7.1 9.5	1	NM SLICK MONEL	120	69	9.27m	pH																
Depth Out (m)		1	NM SLICK MONEL	117	69	9.26m	Location of Sample	SHAKERS															
Depth In (m)	1540	1	X/O	134	61	0.94m	Depth																
Total Drilled (m)	269	1	X/O	134	62	0.96m	PVT																
Hrs Run Today	3.00	1	JARS-HYD/MECH	133	57	5.50m	CIRCULATION				SOLIDS CONTROL				MUD MATERIALS ADDED								
Cumulative Hrs Run	13.50	1	X/O	134	68	0.94m	Pump#	Type	Liner Size	SPM	Pressure	Hours Run	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density						
Entry Date	2016/05/08	1	132 x 4.5" HWDP	114	71	299.52m	1	SINGLE	140	105	8875	4	CALCIUM CHLORIDE										
CUTTING STRUCTURE		4 Drill Pipe		Stands	0.00m		Remarks:						DEFOAMER DSCO		1		EACH						
TI		Kelly Down		0.00m																			
TO		Total		394.54m																			
MDC		Weight of DC		0kdaN																			
LOC		Weight of String		64kdaN																			
BRG																		Remarks: FUNCTION TRAVEL STOPS/LIMITS & CROWN SAVER					
METRES DRILLED		HOLE CONDITION		Hole Drag		Up	7	Down	6	REDUCED PUMP SPEED		Boiler						SAFETY					
From	To	D-R-C	RPM	WOB	Torque at Bottom	6800.00Nm		Fill on Bottom		0.00m		Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP
1751m	1809m	DRILL	30																				

FRONT PAGE SUMMARY

License No 31606	Well Name PARKLAND C5-09-81-16W6	Tour Sheet Serial Number 052529_20160508_1A	Vendor Software Version Pason	Year 2016	Month 05	Day 08
Operator ARC RESOURCES		Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00	
Operator's AFE 16DRLO036		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Well Type HORIZ	Re-Entry	
Signature of Operator Representative Guy Rockabar		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00		
		Signature of Contractor's Rig Manager MARC RAYMOND		Rig Release Date Time		

DAILY CHECKS

1) Daily Walk Around Inspection	OP	RM
2) Detailed Inspection - Weekly (Using Check List)		
3) H2S Signs Posted if Required		
4) Well Licence & Stick Diagram Posted		
5) Flare Lines Staked		
6) BOP Drills Performed		
7) Visually Inspected BOPs - Flare Lines & Degasser Lines		

1) Rig Site Health & Safety Meeting (one/crew/month)
2) CAODC Rig Safety Inspection Checklist (one/rig/month)
3) Mast Inspection before Raising or Lowering
4) Crown Saver Checked
5) Motor Kills Checked



HOURS	CODE																									TOTAL	FUEL @ 08:00 HOURS
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
Tour 1		2.00			0.75	2.75	0.25														2.25					8.00	
Tour 2		8.50					0.25														3.25					12.00	
Tour 3		3.00					0.25														0.75					4.00	
Total		13.50			0.75	2.75	0.75														6.25					24.00	

TOUR 1 SIGNATURE OF DRILLER JASON GILES **START TIME** 00:00 **END TIME** 08:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water Oil Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks REMARKS: REVIEW COP 2-1 BHA, 2-5 TRIP IN HOLE, 2-3 DP CONNECTIONS FROM DERRICK, MID - FLOW LINE PLUGGED UP DUE TO PLUG RUBBER IN FLOW LINE- SHUT DOWN PUMPS AND CLEAR FLOW LINE-RESUME DRILLING
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up Down Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		Safety Topic MEHL MACP Trip/BHA/Connections

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water Oil Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up Down Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		Safety Topic MEHL MACP STICK CONNECTION 64.00kdaN 3423kPa

TOUR 3 SIGNATURE OF DRILLER JASON GILES **START TIME** 20:00 **END TIME** 24:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water Oil Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED		SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up Down Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @		Safety Topic MEHL MACP Connections 77.00kdaN 3373kPa

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
Tour Sheet Serial Number 052529_20160509_1A
Vendor Software Version Pason
Year 2016 Month 05 Day 09
Surface Location 05-09-81-16W6
Prov BC Loc TDS Unique Well Id 103/14-08-081-16W6/00
Contractor PRECISION DRILLING, DIV OF PDCLP
Rig No 529
Well Type HORIZ
Signature of Operator Representative Guy Rockabar
Signature of Contractor's Rig Manager MARC RAYMOND

DAILY CHECKS table with columns for various safety and operational checks, including Daily Walk Around Inspection, Detailed Inspection, H2S Signs Posted, etc.



Table with 25 columns representing hours of the day (1-25) and rows for various activities like Drilling, Fishing, etc. Includes a 'TOTAL' row and a 'WEATHER' section.

TOUR 1 SIGNATURE OF DRILLER JASON GILES START TIME 00:00 END TIME 08:00

TOUR 1 data section including BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, and SAFETY.

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT START TIME 08:00 END TIME 20:00

TOUR 2 data section including BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, and SAFETY.

TOUR 3 SIGNATURE OF DRILLER JASON GILES START TIME 20:00 END TIME 24:00

TOUR 3 data section including BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, and SAFETY.

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160509_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 09



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Guy Rockabar		Signature of Contractor's Rig Manager MARC RAYMOND		Re-Entry <input type="checkbox"/>	
				Rig Release Date Time	



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TOUR 1 **MUD TYPE** BRINE **WATER** x **OIL** **OTHER**

Time	02:00	04:30	07:00													
Density	1160kg/m3	1150kg/m3	1140kg/m3													
Funnel Viscosity	31s/l	31s/l	31s/l													
Fluid Loss																
Fluid pH																
Location of Sample	SHAKERS	SHAKERS	SHAKERS													
Depth			1893m													
PVT			52m3													
Test 1	Type (Ex: Chlorides)															
	Value															
Test 2	Type (ex: Sand%)															
	Value															
Test 3	Type (ex: Hard Ca)															
	Value															
Test 4	Type (ex: Sulfides)															
	Value															

MUD SAMPLE REMARKS

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160509_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 09



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Guy Rockabar		Signature of Contractor's Rig Manager MARC RAYMOND		Re-Entry <input type="checkbox"/>	
				Rig Release Date Time	



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TOUR	2	MUD TYPE	BRINE	WATER	x	OIL	OTHER
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Time	11:00	19:30																
	Density	1140kg/m3	1140kg/m3															
	Funnel Viscosity																	
	Fluid Loss																	
	Fluid pH																	
	Location of Sample	SHAKERS	SHAKERS															
	Depth	1945m																
	PVT	42m3																
Test 1	Type (Ex: Chlorides)																	
	Value																	
Test 2	Type (ex: Sand%)																	
	Value																	
Test 3	Type (ex: Hard Ca)																	
	Value																	
Test 4	Type (ex: Sulfides)																	
	Value																	

MUD SAMPLE REMARKS

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
Tour Sheet Serial Number 052529_20160510_1A
Vendor Software Version Pason
Year 2016 Month 05 Day 10
Surface Location 05-09-81-16W6
Prov BC Loc Type DLS Unique Well Id 103/14-08-081-16W6/00
Contractor PRECISION DRILLING, DIV OF PDCLP
Rig No 529
Well Type HORIZ
Signature of Operator Representative Guy Rockabar
Signature of Contractor's Rig Manager MARC RAYMOND

- DAILY CHECKS
1) Daily Walk Around Inspection
2) Detailed Inspection - Weekly (Using Check List)
3) H2S Signs Posted if Required
4) Well License & Stick Diagram Posted
5) Flare Lines Staked
6) BOP Drills Performed
7) Visually Inspected BOPs - Flare Lines & Degasser Lines
1) Rig Site Health & Safety Meeting (one/crew/month)
2) CAODC Rig Safety Inspection Checklist (one/rig/month)
3) Mast Inspection before Raising or Lowering
4) Crown Saver Checked
5) Motor Kills Checked



Table with 25 columns (CODE 1-25) and 10 rows (TOUR 1-4, Total). Columns include Rig Up, Drill Actual, Reaming, Coring, Concl Mud & Circ, Trips, Rig Service, Repair Rig, Cut Off Drill Log, Dev Survey, Wireline Logs, Run Csg & Cement, Wait On Cement, Nipple Up BOP, Test BOP, Drillstem Test, Plug Back, Squeeze Cement, Fishing, Dir Work, Safety Meeting, Tear Down, Waiting On, Rig Watch, Other, TOTAL. Includes FUEL @ 08:00 HOURS and WEATHER summary.

TOUR 1 SIGNATURE OF DRILLER JASON GILES START TIME 00:00 END TIME 08:00

TOUR 1 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY. Includes detailed logs for bit runs, mud properties, survey data, and safety notes.

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT START TIME 08:00 END TIME 20:00

TOUR 2 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY. Includes detailed logs for bit runs, mud properties, survey data, and safety notes.

TOUR 3 SIGNATURE OF DRILLER JASON GILES START TIME 20:00 END TIME 24:00

TOUR 3 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY. Includes detailed logs for bit runs, mud properties, survey data, and safety notes.

DRILL ASSEMBLY & SPECIAL EVENTS - ADDITIONAL DATA

License No 31606		Well Name PARKLAND C5-09-81-16W6		Surface Location 05-09-081-16W6		Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00			
Operator ARC RESOURCES				Contractor PRECISION DRILLING, DIV OF PDCLP				Rig No 529	Well Type HORIZ		Re-Entry <input type="checkbox"/>
Operator's AFE 16DRL0036				Contractor's Job No 84				Spud Date Time 2016/05/04 23:00			
Signature of Operator Representative Guy Rockabar				Signature of Contractor's Rig Manager MARC RAYMOND				Rig Release Date Time			



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DRILLING ASSEMBLY					TOUR 1					DRILLING ASSEMBLY					TOUR 2					DRILLING ASSEMBLY					TOUR 3				
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length					
1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23
1	MOTOR	127.00	0.00	8.74	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04
1	NEAR BIT INC SUB	132.00	42.00	1.36	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43
1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32
1	GAP SUB	126.00	69.00	1.70	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71
1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27
1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26
1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94
1	5 x 4.5" HWDP	114.00	72.00	46.80	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75
1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96
1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50
1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94
1	32 x 4.5" HWDP	114.00	71.00	299.52	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25
					1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96
59	Drill Pipe		Stands	1725.75	3	Drill Pipe		Stands	87.75	6	Drill Pipe		Stands	175.50	6	Drill Pipe		Stands	175.50	6	Drill Pipe		Stands	175.50	6	Drill Pipe		Stands	175.50
0	Drill Pipe		Singles	0.00	1	Drill Pipe		Singles	9.75	2	Drill Pipe		Singles	19.50	2	Drill Pipe		Singles	19.50	2	Drill Pipe		Singles	19.50	2	Drill Pipe		Singles	19.50
	Kelly Down			-3.00		Kelly Down			3.94		Kelly Down			-2.56		Kelly Down			-2.56		Kelly Down			-2.56		Kelly Down			-2.56
	Total			2117.29		Total			2164.00		Total			2255.00		Total			2255.00		Total			2255.00		Total			2255.00
	Weight of DC			0.00		Weight of DC			0.00		Weight of DC			0.00		Weight of DC			0.00		Weight of DC			0.00		Weight of DC			0.00
	Weight of String			71.00		Weight of String			71.00		Weight of String			71.00		Weight of String			71.00		Weight of String			71.00		Weight of String			71.00

SPECIAL EVENTS

Tour No.	Event No.	Description	Time	Depth

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6 Surface Location 05-09-081-16W6

Tour Sheet Serial Number 052529_20160511_1A Vendor Software Version Pason Year 2016 Month 05 Day 11

DAILY CHECKS

- 1) Daily Walk Around Inspection
2) Detailed Inspection - Weekly (Using Check List)
3) H2S Spills Posted if Required
4) Well License & Stick Diagram Posted
5) Flare Lines Staked
6) BOP Drills Performed
7) Visually Inspected BOPs - Flare Lines & Degasser Lines



Operator ARC RESOURCES
Contractor PRECISION DRILLING, DIV OF PDCLP
Contractor's Job No 84
Signature of Operator Representative Dean Boehnert
Signature of Contractor's Rig Manager MARC RAYMOND

Rig No 529
Well Type HORIZ
Spud Date Time 2016/05/04 23:00
Rig Release Date Time

Table with 25 columns (CODE 1-25) and 10 rows (TOUR 1-3, Total). Columns include Rig Up, Drill Actual, Reaming, Coring, etc. Total hours: 24.00.

TOUR 1 SIGNATURE OF DRILLER JASON GILES START TIME 00:00 END TIME 08:00

TOUR 1 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SAFETY.

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT START TIME 08:00 END TIME 20:00

TOUR 2 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SAFETY.

TOUR 3 SIGNATURE OF DRILLER JOSH GILBERT START TIME 20:00 END TIME 24:00

TOUR 3 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SAFETY.

FRONT PAGE SUMMARY

License No 31606	Well Name PARKLAND C5-09-81-16W6	Tour Sheet Serial Number 052529_20160511_1A	Vendor Software Version Pason	Year 2016	Month 05	Day 11
Operator ARC RESOURCES		Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00	Well Type HORIZ
Operator's AFE 16DRLO036		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Signature of Operator Representative Dean Boehner		Signature of Contractor's Rig Manager MARC RAYMOND

DAILY CHECKS

1) Daily Walk Around Inspection
2) Detailed Inspection - Weekly (Using Check List)
3) H2S Signs Posted if Required
4) Well License & Stick Diagram Posted
5) Flare Lines Staked
6) BOP Drills Performed
7) Visually Inspected BOPs - Flare Lines & Degasser Lines
1) Rig Site Health & Safety Meeting (one/crew/month)
2) CAODC Rig Safety Inspection Checklist (one/rig/month)
3) Mast Inspection before Raising or Lowering
4) Crown Saver Checked
5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
Hours		5.25					0.25													2.25	0.25					8.00
Tour 1		8.00					0.25													3.50	0.25					12.00
Tour 2		2.50					0.25													1.00	0.25					4.00
Tour 3		15.75					0.75													6.75	0.75					24.00
Total																										

TOUR 1 SIGNATURE OF DRILLER JASON GILES **START TIME** 00:00 **END TIME** 08:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT	Time Depth Deviation Direction Type 07:30 2470.68m 87.9 297.4 07:45 2485.31m 88.1 296.4	From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	CIRCULATION	SOLIDS CONTROL	SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump# Type Liner Size SPM Pressure Hours Run	Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density	Safety Topic MEHL MACP Connections/Fluid Transfer 79.00kdaN 2979kPa
METRES DRILLED	REDUCED PUMP SPEED	Boiler		
From To D-R-C RPM WOB	Pump No. Pressure Strokes/min Depth @ @ @ @	Boiler # Hours Run pH Stack Temp		

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT	Time Depth Deviation Direction Type 13:15 2704.68m 89.8 298.1 13:30 2719.31m 89.1 297.1 14:00 2733.93m 90.1 299 14:30 2748.56m 90.6 298.5 14:45 2763.18m 90.5 299.5 15:15 2777.81m 91.2 300.7 15:30 2792.43m 91.8 299.8	From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	CIRCULATION	SOLIDS CONTROL	SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump# Type Liner Size SPM Pressure Hours Run	Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density	Safety Topic MEHL MACP DRIVING SAFELY 83.00kdaN 2979kPa
METRES DRILLED	REDUCED PUMP SPEED	Boiler		
From To D-R-C RPM WOB	Pump No. Pressure Strokes/min Depth @ @ @ @	Boiler # Hours Run pH Stack Temp		

TOUR 3 SIGNATURE OF DRILLER JOSH GILBER **START TIME** 20:00 **END TIME** 24:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT		From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	CIRCULATION	SOLIDS CONTROL	SAFETY
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up <input type="checkbox"/> Down <input type="checkbox"/> Torque at Bottom Fill on Bottom	Pump# Type Liner Size SPM Pressure Hours Run	Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density	Safety Topic MEHL MACP SOUR BOP DRILL 85.00kdaN 3029kPa
METRES DRILLED	REDUCED PUMP SPEED	Boiler		
From To D-R-C RPM WOB	Pump No. Pressure Strokes/min Depth @ @ @ @	Boiler # Hours Run pH Stack Temp		

FRONT PAGE SUMMARY

License No 31606	Well Name PARKLAND C5-09-81-16W6	Tour Sheet Serial Number 052529_20160511_1A	Vendor Software Version Pason	Year 2016	Month 05	Day 11
Operator ARC RESOURCES		Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00	
Operator's AFE 16DRLO036		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Well Type HORIZ	Re-Entry	
Signature of Operator Representative Dean Boehner		Contractor's Job No 84	Signature of Contractor's Rig Manager MARC RAYMOND		Spud Date Time 2016/05/04 23:00	
				Signature of Operator's Rig Manager	Rig Release Date Time	

DAILY CHECKS

1) Daily Walk Around Inspection	OP	RM
2) Detailed Inspection - Weekly (Using Check List)		
3) H2S Signs Posted if Required		
4) Well License & Stick Diagram Posted		
5) Flare Lines Staked		
6) BOP Drills Performed		
7) Visually Inspected BOPs - Flare Lines & Degasser Lines		

1) Rig Site Health & Safety Meeting (one/crew/month)
2) CAODC Rig Safety Inspection Checklist (one/rig/month)
3) Mast Inspection before Raising or Lowering
4) Crown Saver Checked
5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	
Tour 1		5.25					0.25													2.25	0.25					8.00
Tour 2		8.00					0.25													3.50	0.25					12.00
Tour 3		2.50					0.25													1.00	0.25					4.00
Total		15.75					0.75													6.75	0.75					24.00

TOUR 1 SIGNATURE OF DRILLER JASON GILES **START TIME** 00:00 **END TIME** 08:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
Size							Other																				
IADC Code							Time																				
Manufacturer							Density																				
Type							Funnel Viscosity																				
Serial No							Fluid Loss																				
Jets							pH																				
Depth Out (m)							Location of Sample																				
Depth In (m)							Depth																				
Total Drilled (m)							PVT																				
Hrs Run Today																											
Cumulative Hrs Run																											
Entry Date																											

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT **START TIME** 08:00 **END TIME** 20:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
Size							Other																				
IADC Code							Time																				
Manufacturer							Density																				
Type							Funnel Viscosity																				
Serial No							Fluid Loss																				
Jets							pH																				
Depth Out (m)							Location of Sample																				
Depth In (m)							Depth																				
Total Drilled (m)							PVT																				
Hrs Run Today																											
Cumulative Hrs Run																											
Entry Date																											

TOUR 3 SIGNATURE OF DRILLER JOSH GILBER **START TIME** 20:00 **END TIME** 24:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
Size							Other																				
IADC Code							Time																				
Manufacturer							Density																				
Type							Funnel Viscosity																				
Serial No							Fluid Loss																				
Jets							pH																				
Depth Out (m)							Location of Sample																				
Depth In (m)							Depth																				
Total Drilled (m)							PVT																				
Hrs Run Today																											
Cumulative Hrs Run																											
Entry Date																											

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6 Operator ARC RESOURCES... Tour Sheet Serial Number 052529_20160511_1A Surface Location 05-09-081-16W6... Vendor Software Version Pason Year 2016 Month 05 Day 11

DAILY CHECKS 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required 4) Well License & Stick Diagram Posted 5) Flare Lines Staked 6) BOP Drills Performed 7) Visually Inspected BOPs - Flare Lines & Degasser Lines



Table with 25 columns (CODE 1-25) and 10 rows (TOUR 1-3, Total). Columns include Rig Up, Drill Actual, Reaming, Coring, Concl Mud & Circ, Trips, Rig Service, Repair Rig, Cut Off Drill Line, Dev Survey, Wireline Logs, Run Csg & Cement, Wait On Cement, Nipple Up BOP, Test BOP, Drillstem Test, Plug Back, Squeeze Cement, Fishing, Dir Work, Safety Meeting, Tear Down, Waiting On, Rig Watch, Other, TOTAL. Includes FUEL @ 08:00 HOURS and WEATHER section.

TOUR 1 SIGNATURE OF DRILLER JASON GILES START TIME 00:00 END TIME 08:00

TOUR 1 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, SOLIDS CONTROL, CIRCULATION, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SAFETY. Includes detailed data for drilling parameters and safety notes.

TOUR 2 SIGNATURE OF DRILLER SYLVAIN ARSENAULT START TIME 08:00 END TIME 20:00

TOUR 2 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, SOLIDS CONTROL, CIRCULATION, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SAFETY. Includes detailed data for drilling parameters and safety notes.

TOUR 3 SIGNATURE OF DRILLER JOSH GILBERT START TIME 20:00 END TIME 24:00

TOUR 3 BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, SOLIDS CONTROL, CIRCULATION, MUD MATERIALS ADDED, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SAFETY. Includes detailed data for drilling parameters and safety notes.

DRILL ASSEMBLY & SPECIAL EVENTS - ADDITIONAL DATA

Tour Sheet Serial No
0Y52529_20160511_1A

Vendor Software Version
Pason

Year Month Day
2016 05 11

License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Well Type HORIZ	Re-Entry <input type="checkbox"/>
Operator's AFE 16DRL0036		Contractor's Job No 84	Spud Date Time 2016/05/04 23:00		
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Rig Release Date Time	



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DRILLING ASSEMBLY					DRILLING ASSEMBLY					DRILLING ASSEMBLY				
TOUR 1					TOUR 2					TOUR 3				
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length
1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23
1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04
1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43
1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32
1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71
1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27
1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26
1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94
1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75
1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96
1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50
1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94
1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25
1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96
14	Drill Pipe	Stands		429.00	30	Drill Pipe	Stands		906.75	35	Drill Pipe	Stands		1023.75
0	Drill Pipe	Singles		0.00	0	Drill Pipe	Singles		0.00	0	Drill Pipe	Singles		0.00
Kelly Down				-3.00	Kelly Down				-27.31	Kelly Down				-11.31
Total				2488.56	Total				2942.00	Total				3075.00
Weight of DC				0.00	Weight of DC				0.00	Weight of DC				0.00
Weight of String				71.00	Weight of String				71.00	Weight of String				71.00

SPECIAL EVENTS

Tour No.	Event No.	Description	Time	Depth

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160511_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 11



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Re-Entry <input type="checkbox"/>	
				Rig Release Date Time	



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TOUR 1 **MUD TYPE** INVERT **WATER** **OIL** x **OTHER**

Time	02:00	04:00	06:00													
Density	1240kg/m3	1230kg/m3	1240kg/m3													
Funnel Viscosity	54s/l	54s/l	54s/l													
Fluid Loss																
Fluid pH																
Location of Sample	SHAKERS	SHAKERS	SHAKERS													
Depth																
PVT																
Test 1	Type (Ex: Chlorides)															
	Value															
Test 2	Type (ex: Sand%)															
	Value															
Test 3	Type (ex: Hard Ca)															
	Value															
Test 4	Type (ex: Sulfides)															
	Value															

MUD SAMPLE REMARKS

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160511_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 11



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Re-Entry <input type="checkbox"/>	
				Rig Release Date Time	



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TOUR 2 **MUD TYPE** INVERT **WATER** **OIL** x **OTHER**

Time	13:00	16:00	18:30														
Density	1230kg/m3	1220kg/m3	1240kg/m3														
Funnel Viscosity																	
Fluid Loss																	
Fluid pH																	
Location of Sample	SHAKERS	SHAKERS	SHAKERS														
Depth	2692m																
PVT	46m3																
Test 1	Type (Ex: Chlorides)																
	Value																
Test 2	Type (ex: Sand%)																
	Value																
Test 3	Type (ex: Hard Ca)																
	Value																
Test 4	Type (ex: Sulfides)																
	Value																

MUD SAMPLE REMARKS

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160511_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 11



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Rig Release Date Time	



Pason

TOUR 3 **MUD TYPE** INVERT **WATER** **OIL** x **OTHER**

Time	20:00																			
	Density	1240kg/m3																		
		Funnel Viscosity	52s/l																	
	Fluid Loss																			
		Fluid pH																		
	Location of Sample		SHAKERS																	
		Depth	2941m																	
	PVT		59m3																	
Test 1	Type (Ex: Chlorides)																			
	Value																			
Test 2	Type (ex: Sand%)																			
	Value																			
Test 3	Type (ex: Hard Ca)																			
	Value																			
Test 4	Type (ex: Sulfides)																			
	Value																			

MUD SAMPLE REMARKS

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6 Tour Sheet Serial Number 052529_20160512_1A Pason Vendor Software Version Year 2016 Month 05 Day 12

DAILY CHECKS

- 1) Daily Walk Around Inspection
2) Detailed Inspection - Weekly (Using Check List)
3) H2S Signs Posted if Required
4) Well License & Stick Diagram Posted
5) Flare Lines Staked
6) BOP Drills Performed
7) Visually Inspected BOPs - Flare Lines & Degasser Lines
8) BOP Drills Performed
9) Motor Kill's Checked



Operator ARC RESOURCES Contractor PRECISION DRILLING, DIV OF PDCLP
Operator's AFE 16DRLO036 Contractor's Job No 84
Signature of Operator Representative Dean Boehner Signature of Contractor's Rig Manager MARC RAYMOND

Table with 25 columns (CODE 1-25) and 10 rows (TOUR 1-3, Total). Columns include Rig Up, Drill Actual, Reaming, Coring, Concl Mud & Circ, Trips, Rig Service, Repair Rig, Cut Off Drill Log, Dev Survey, Wireline Logs, Run Csg & Cement, Wait On Cement, Nipple Up BOP, Test BOP, Drillstem Test, Plug Back, Squeeze Cement, Fishing, Dir Work, Safety Meeting, Tear Down, Waiting On, Rig Watch, Other, TOTAL.

TOUR 1 SIGNATURE OF DRILLER JOSH GILBERT START TIME 00:00 END TIME 08:00

TOUR 1 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY.

TOUR 2 SIGNATURE OF DRILLER JASON GILES START TIME 08:00 END TIME 20:00

TOUR 2 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY.

TOUR 3 SIGNATURE OF DRILLER JOSH GILBERT START TIME 20:00 END TIME 24:00

TOUR 3 Data Section: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, SAFETY.

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6 Tour Sheet Serial Number 052529_20160512_1A Pason Vendor Software Version 2016 05 12

DAILY CHECKS 1) Daily Walk Around Inspection 2) Detailed Inspection - Weekly (Using Check List) 3) H2S Signs Posted if Required



Table with 25 columns (CODE 1-25) and 3 rows (Tour 1, Tour 2, Tour 3). Columns include Rig Up, Drill Actual, Reaming, Coring, etc. Total hours for Tour 1 is 8.00, Tour 2 is 12.00, and Tour 3 is 4.00.

TOUR 1 SIGNATURE OF DRILLER JOSH GILBERT START TIME 00:00 END TIME 08:00

TOUR 1 detailed data section including BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, and SAFETY.

TOUR 2 SIGNATURE OF DRILLER JASON GILES START TIME 08:00 END TIME 20:00

TOUR 2 detailed data section including BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, and SAFETY.

TOUR 3 SIGNATURE OF DRILLER JOSH GILBERT START TIME 20:00 END TIME 24:00

TOUR 3 detailed data section including BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, SOLIDS CONTROL, MUD MATERIALS ADDED, and SAFETY.

FRONT PAGE SUMMARY

License No 31606	Well Name PARKLAND C5-09-81-16W6	Tour Sheet Serial Number 052529_20160512_1A	Vendor Software Version Pason	Year 2016	Month 05	Day 12
Operator ARC RESOURCES		Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00	
Operator's AFE 16DRLO036		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Well Type HORIZ	Re-Entry	
Signature of Operator Representative Dean Boehner		Contractor's Job No 84	Signature of Contractor's Rig Manager MARC RAYMOND		Spud Date Time 2016/05/04 23:00	
				Rig Release Date Time		

DAILY CHECKS

1) Daily Walk Around Inspection	OP	RM
2) Detailed Inspection - Weekly (Using Check List)		
3) H2S Signs Posted if Required		
4) Well Licence & Stick Diagram Posted		
5) Flare Lines Staked		
6) BOP Drills Performed		
7) Visually Inspected BOPs - Flare Lines & Degasser Lines		
1) Rig Site Health & Safety Meeting (one/crew/month)		
2) CAODC Rig Safety Inspection Checklist (one/rig/month)		
3) Mast Inspection before Raising or Lowering		
4) Crown Saver Checked		
5) Motor Kills Checked		



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
HOURS	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	
Tour 1		5.00					0.25														2.50	0.25				8.00
Tour 2		6.50			1.25		0.25														3.75	0.25				12.00
Tour 3					0.25	3.25	0.25															0.25				4.00
Total		11.50			1.50	3.25	0.75														6.25	0.75				24.00

TOUR 1 SIGNATURE OF DRILLER JOSH GILBERT **START TIME** 00:00 **END TIME** 08:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water Oil Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type 07:00 3289.63m 88.9 297.5 07:30 3304.31m 88.8 297 07:45 3318.93m 89.8 297.3 SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED	SAFETY	
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up Down Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @	Safety Topic MEHL MACP DERRICK CONNECTIONS 90.00kdaN 3029kPa	

TOUR 2 SIGNATURE OF DRILLER JASON GILES **START TIME** 08:00 **END TIME** 20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water Oil Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type 17:15 3538.31m 90.8 301.1 17:30 3550m 91 299.7 SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED	SAFETY	
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up Down Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @	Safety Topic MEHL MACP Connections 83.00kdaN 2979kPa	

TOUR 3 SIGNATURE OF DRILLER JOSH GILBERT **START TIME** 20:00 **END TIME** 24:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number Size IADC Code Manufacturer Type Serial No Jets Depth Out (m) Depth In (m) Total Drilled (m) Hrs Run Today Cumulative Hrs Run Entry Date	No Component OD ID Length Drill Pipe Stands Drill Pipe Singles Kelly Down Total Weight of DC Weight of String	Mud Type Water Oil Other Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT CIRCULATION Pump# Type Liner Size SPM Pressure Hours Run	Time Depth Deviation Direction Type SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Boiler Boiler # Hours Run pH Stack Temp	From To Elapsed Code Details of Operations in Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED	SAFETY	
TI TO MDC LOC BRG Gage ODC Reason Pulled Total Run (m/hr)	Hole Drag Up Down Torque at Bottom Fill on Bottom	Pump No. Pressure Strokes/min Depth @ @ @ @	Safety Topic MEHL MACP LAY DOWN DRILL PIPE 100.00kdaN 3029kPa	

DRILL ASSEMBLY & SPECIAL EVENTS - ADDITIONAL DATA

Tour Sheet Serial No
0Y52529_20160512_1A

Vendor Software Version
Pason

Year Month Day
2016 05 12

License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Well Type HORIZ	Re-Entry <input type="checkbox"/>
Operator's AFE 16DRL0036		Contractor's Job No 84	Spud Date Time 2016/05/04 23:00		
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Rig Release Date Time	



Pason

DRILLING ASSEMBLY					DRILLING ASSEMBLY					DRILLING ASSEMBLY				
TOUR 1					TOUR 2					TOUR 3				
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length
1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23	1	BIT	171.00	0.00	0.23
1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04	1	MOTOR	127.00	0.00	9.04
1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43	1	SLIDE REAMER	152.00	0.56	1.43
1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32	1	NM SLICK MONEL	120.00	69.00	9.32
1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71	1	GAP SUB	126.00	69.00	1.71
1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27	1	NM SLICK MONEL	120.00	69.00	9.27
1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26	1	NM SLICK MONEL	117.00	69.00	9.26
1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94	1	X/O	134.00	61.00	0.94
1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75	1	5 SINGLES OF DP	114.00	97.00	48.75
1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96	1	X/O	134.00	62.00	0.96
1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50	1	JARS-HYD/MECH	133.00	57.00	5.50
1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94	1	X/O	134.00	68.00	0.94
1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25	1	167 SINGLES OF DP	114.00	97.00	1628.25
1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96	1	36 SINGLES OF HWDP	114.00	73.00	336.96
43	Drill Pipe	Stands		1257.75	51	Drill Pipe	Stands		1491.75	51	Drill Pipe	Stands		1491.75
0	Drill Pipe	Singles		0.00	1	Drill Pipe	Singles		9.75	1	Drill Pipe	Singles		9.75
Kelly Down		0.69			Kelly Down		1.94			Kelly Down		1.94		
Total		3321.00			Total		3566.00			Total		3566.00		
Weight of DC		0.00			Weight of DC		0.00			Weight of DC		0.00		
Weight of String		70.00			Weight of String		70.00			Weight of String		70.00		

SPECIAL EVENTS

Tour No.	Event No.	Description	Time	Depth

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160512_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 12



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Rig Release Date Time	



Pason

TOUR 1 **MUD TYPE** INVERT **WATER** **OIL** x **OTHER**

Time	01:00	05:00																
	Density	1240kg/m3	1240kg/m3															
	Funnel Viscosity	51s/l	52s/l															
	Fluid Loss																	
	Fluid pH																	
	Location of Sample	SHAKERS	SHAKERS															
	Depth	3110m	3231m															
	PVT	52m3	52m3															
Test 1	Type (Ex: Chlorides)																	
	Value																	
Test 2	Type (ex: Sand%)																	
	Value																	
Test 3	Type (ex: Hard Ca)																	
	Value																	
Test 4	Type (ex: Sulfides)																	
	Value																	

MUD SAMPLE REMARKS

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160512_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 12



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Re-Entry <input type="checkbox"/>	
				Rig Release Date Time	



Pason

TOUR **MUD TYPE** **WATER** **OIL** **OTHER**

	Time	MUD TYPE			WATER	OIL	OTHER										
		08:00	11:30	15:30													
Density	1250kg/m3	1250kg/m3	1230kg/m3														
Funnel Viscosity	50s/l	50s/l	50s/l														
Fluid Loss																	
Fluid pH																	
Location of Sample	SHAKERS	SHAKERS	SHAKERS														
Depth																	
PVT																	
Test 1	Type (Ex: Chlorides)																
	Value																
Test 2	Type (ex: Sand%)																
	Value																
Test 3	Type (ex: Hard Ca)																
	Value																
Test 4	Type (ex: Sulfides)																
	Value																

MUD SAMPLE REMARKS

MUD SAMPLE - ADDITIONAL DATA

Tour Sheet Serial No: 0Y52529_20160512_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 12



License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP		Rig No 529	Well Type HORIZ
Operator's AFE 16DRL0036		Contractor's Job No 84		Spud Date Time 2016/05/04 23:00	
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND		Rig Release Date Time	



Pason

TOUR 3 **MUD TYPE** INVERT **WATER** **OIL** x **OTHER**

Time	20:00																			
	Density	1250kg/m3																		
		Funnel Viscosity	52s/l																	
	Fluid Loss																			
		Fluid pH																		
	Location of Sample		SHAKERS																	
		Depth	3566m																	
	PVT		48m3																	
Test 1	Type (Ex: Chlorides)																			
	Value																			
Test 2	Type (ex: Sand%)																			
	Value																			
Test 3	Type (ex: Hard Ca)																			
	Value																			
Test 4	Type (ex: Sulfides)																			
	Value																			

MUD SAMPLE REMARKS

FRONT PAGE SUMMARY

Tour Sheet Serial Number: 052529_20160513_1A
 Vendor Software Version: Pason
 Year: 2016, Month: 05, Day: 13
 License No: 31606, Well Name: PARKLAND C5-09-81-16W6
 Surface Location: 05-09-081-16W6
 Prov: BC, Loc Type: DLS, Unique Well Id: 103/14-08-081-16W6/00
 Operator: ARC RESOURCES
 Contractor: PRECISION DRILLING, DIV OF PDCLP
 Rig No: 529
 Well Type: HORIZ
 Operator's AFE: 16DRLO36
 Contractor's Job No: 84
 Spud Date Time: 2016/05/04 23:00
 Signature of Operator Representative: Dean Boehnert
 Signature of Contractor's Rig Manager: MARC RAYMOND
 Rig Release Date Time: 2016/05/13 23:59

DAILY CHECKS

- Daily Walk Around Inspection
- Detailed Inspection - Weekly (Using Check List)
- H2S Signs Posted if Required
- Well License & Stick Diagram Posted
- Flare Lines Staked
- 80P Drills Performed
- Visually Inspected BOPs - Flare Lines & Degasser Lines
- Rig Site Health & Safety Meeting (one/crew/month)
- CAODC Rig Safety Inspection Checklist (one/rig/month)
- Must Inspect before Raising or Lowering
- Crown Saver Checked
- Meter Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
HOURLY	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Log	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	
Tour 1							6.75	0.25												0.50	0.50					8.00
Tour 2					1.50							10.00									0.50					12.00
Tour 3												2.75		0.25							0.50				0.50	4.00
Total					1.50		6.75	0.25				12.75		0.25							0.50	1.50			0.50	24.00

FUEL @ 08:00 HOURS

Rig: 14125.00, Meter: 0.00
 Fuel: 05.00, Temp: 6.00
 Wind Direction: CLEAR, Wind Strength: UP TO 19 KM/H
 Humidity: 50%, Wind Condition: GOOD

TOUR 1 SIGNATURE OF DRILLER JOSH GILBERT **START TIME** 00:00 **END TIME** 08:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number: 5	Size: 159	No: 1	Component: BIT	OD: 171	ID: 0	Mud Type: Water	Time: 0.23m	From: 00:00	To: 06:45
IADC Code:	Manufacturer: REED	No: 1	Component: MOTOR	OD: 127	ID: 0	Other:	Density:	Elapsed: 6.75	Code: 5F
Type: SK413M-A1G	Serial No: E201897	No: 1	Component: SLIDE REAMER	OD: 152	ID: 1	Funnel Viscosity:	Direction:	Code: 5F	Details of Operations in Sequence & Remarks
Jets: 9.5, 9.5, 9.5	1 GAP SUB	No: 1	Component: Slick Monel	OD: 120	ID: 69	Fluid Loss:	Direction:	Code: 5F	CONT TO LAY DOWN DRILL PIPE FROM 2376M -0M WITH 10 MIN FCS @ 1743M/550M/200M/OM. FINAL TRIP CALC=13.38M/3. ACTUAL=16.19M/3. DIFF+= 2.58M/3. FUNCTION BLIND RAMS OUT OF HOLE
Depth Out (m): 3566	1 X/O	No: 1	Component: Slick Monel	OD: 120	ID: 69	pH:	Direction:	Code: 5F	06:45 07:00 0.25 5F RIG SERVICE/FUNCTION ANNUAL/ 22 SECONDS TO CLOSE
Depth In (m): 2117	1 X/O	No: 1	Component: Slick Monel	OD: 117	ID: 69	Location of Sample:	Direction:	Code: 5F	07:00 07:15 0.25 21 REVIEW COP 2-1 WITH DISCOVERY DIRECTIONAL
Total Drilled (m): 1449	1 X/O	No: 1	Component: Slick Monel	OD: 134	ID: 61	Depth:	Direction:	Code: 5F	07:15 07:45 0.50 20 DIRECTIONAL WORK/ LAY DOWN ALL DIRECTION ALL DIRECTIONAL TOOLS/ BREAK BIT.
Hrs Run Today: 0.00	1 JARS-HYD/MECH	No: 1	Component: Slick Monel	OD: 134	ID: 68	PVT:	Direction:	Code: 5F	07:45 08:00 0.25 21 CREW CHANGE HANDOVER MEETING
Cumulative Hrs Run: 32.50	1 X/O	No: 1	Component: Slick Monel	OD: 134	ID: 68	Remarks:	Direction:	Code: 5F	
Entry Date: 2016/05/10	1 67 SINGLES OF DP	No: 1	Component: Drill Pipe	OD: 114	ID: 97	CIRCULATION	Direction:	Code: 5F	
CUTTING STRUCTURE	51 Drill Pipe	Stands: 1491.75m	Drill Pipe	Singles: 9.75m		Pump#	Direction:	Code: 5F	
TI: 4	Gage: 0	Kelly Down: 1.94m	Total: 3566.00m	Weight of DC: 0kdaN	Weight of String: 70kdaN	Pressure	Direction:	Code: 5F	
TO: 2	ODC: CT					Strokes/min	Direction:	Code: 5F	
MDC: LC	Reason Pulled: TD					Depth	Direction:	Code: 5F	
LOC: M	Total Run (m/hr): 44.58						Direction:	Code: 5F	
BRG: X							Direction:	Code: 5F	
METRES DRILLED	HOLE CONDITION	REDUCED PUMP SPEED	Boiler		SAFETY		SAFETY		
From: To: D-R-C: RPM: WOB:	Hole Drag: Up: Down:	Pump No.: Pressure: Strokes/min: Depth:	Boiler #:	Hours Run:	pH:	Stack Temp:	Safety Topic:	MEHL:	MACP:
	Torque at Bottom: Fill on Bottom:						PUMP MAINTAINANCE	100.00kdaN	3029KPa

TOUR 2 SIGNATURE OF DRILLER JASON GILES **START TIME** 08:00 **END TIME** 20:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number:	Size:	No:	Component:	OD:	ID:	Mud Type: Water	Time:	From: 08:00	To: 09:00
IADC Code:	Manufacturer:	No:	Component:	OD:	ID:	Other:	Density:	Elapsed: 1.00	Code: 12A
Type:	Serial No:	No:	Component:	OD:	ID:	Funnel Viscosity:	Direction:	Code: 12A	Details of Operations in Sequence & Remarks
Jets:	1 GAP SUB	No:	Component:	OD:	ID:	Fluid Loss:	Direction:	Code: 12A	08:00 09:00 1.00 12A CLEAN & PREP FLOOR - RIG UP TO RUN CASING
Depth Out (m):	1 X/O	No:	Component:	OD:	ID:	pH:	Direction:	Code: 12A	09:00 09:15 0.25 21 REVIEW COP 3-1 WITH COPPERHEAD POWER TONGS AND CREW
Depth In (m):	1 X/O	No:	Component:	OD:	ID:	Location of Sample:	Direction:	Code: 12A	09:15 18:15 9.00 12B MAKE UP SHOE/FLOAT - RUN 108 JOINTS 114.3mm CASING, 157 JOINTS 139.7mm
Total Drilled (m):	1 X/O	No:	Component:	OD:	ID:	Depth:	Direction:	Code: 12A	18:15 19:45 1.50 51 CASING, FLOW CHECKS @ 505m/1790m-LAND CASING @ 3564.49m
Hrs Run Today:	1 JARS-HYD/MECH	No:	Component:	OD:	ID:	PVT:	Direction:	Code: 12A	19:45 20:00 0.25 21 CIRCULATE CASING @ 3564m
Cumulative Hrs Run:	1 X/O	No:	Component:	OD:	ID:	Remarks:	Direction:	Code: 12A	19:45 20:00 0.25 21 CREW CHANGE SAFETY MEETING/PLAN FORWARD W/RIG MANAGER & ARC OSS.
Entry Date:	1 67 SINGLES OF DP	No:	Component:	OD:	ID:	CIRCULATION	Direction:	Code: 12A	
CUTTING STRUCTURE	Drill Pipe	Stands:	Drill Pipe	Singles:		Pump#	Direction:	Code: 12A	
TI: Gage:	ODC:	Kelly Down:	Total:	Weight of DC:	Weight of String:	Pressure	Direction:	Code: 12A	
TO: Reason Pulled:						Strokes/min	Direction:	Code: 12A	
MDC: Total Run (m/hr):						Depth	Direction:	Code: 12A	
LOC: BRG:							Direction:	Code: 12A	
METRES DRILLED	HOLE CONDITION	REDUCED PUMP SPEED	Boiler		SAFETY		SAFETY		
From: To: D-R-C: RPM: WOB:	Hole Drag: Up: Down:	Pump No.: Pressure: Strokes/min: Depth:	Boiler #:	Hours Run:	pH:	Stack Temp:	Safety Topic:	MEHL:	MACP:
	Torque at Bottom: Fill on Bottom:						Trip/LD Pipe/Casing		

TOUR 3 SIGNATURE OF DRILLER JOSH GILBERT **START TIME** 20:00 **END TIME** 24:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number:	Size:	No:	Component:	OD:	ID:	Mud Type: Water	Time:	From: 20:00	To: 20:15
IADC Code:	Manufacturer:	No:	Component:	OD:	ID:	Other:	Density:	Elapsed: 0.25	Code: 21
Type:	Serial No:	No:	Component:	OD:	ID:	Funnel Viscosity:	Direction:	Code: 21	Details of Operations in Sequence & Remarks
Jets:	1 GAP SUB	No:	Component:	OD:	ID:	Fluid Loss:	Direction:	Code: 21	20:00 20:15 0.25 21 SAFETY MEETING /COP 4-1/ TRICAN/CEMENTING
Depth Out (m):	1 X/O	No:	Component:	OD:	ID:	pH:	Direction:	Code: 21	20:15 23:00 2.75 12C Cement with 5m³ Opti Flush, 2.5m³ Scav @ 1400kg/m³, 29.23m³ (23.4 t)
Depth In (m):	1 X/O	No:	Component:	OD:	ID:	Location of Sample:	Direction:	Code: 21	Titanium 1500, 24.71m³ (31.0 t) Gas/Trip 1850 Flush lines, Drop plug & Displace with 34.80m³ Inhibited H2O, 10m³ cement returns to surface, plug down 22.37hrs 05/13/2016
Total Drilled (m):	1 X/O	No:	Component:	OD:	ID:	Depth:	Direction:	Code: 21	23:00 23:30 0.50 25 BLOW BACK TOP DRIVE/ PREP FLOOR FOR RUNNING LOGS
Hrs Run Today:	1 JARS-HYD/MECH	No:	Component:	OD:	ID:	PVT:	Direction:	Code: 21	23:30 23:45 0.25 21 SAFETY MEETING NIPPLE DOWN / COP 5-5
Cumulative Hrs Run:	1 X/O	No:	Component:	OD:	ID:	Remarks:	Direction:	Code: 21	23:45 24:00 0.25 14B NIPPLE DOWN, rig released on may 13/29-016 @ 23:59
Entry Date:	1 67 SINGLES OF DP	No:	Component:	OD:	ID:	CIRCULATION	Direction:	Code: 21	
CUTTING STRUCTURE	Drill Pipe	Stands:	Drill Pipe	Singles:		Pump#	Direction:	Code: 21	
TI: Gage:	ODC:	Kelly Down:	Total:	Weight of DC:	Weight of String:	Pressure	Direction:	Code: 21	
TO: Reason Pulled:						Strokes/min	Direction:	Code: 21	
MDC: Total Run (m/hr):						Depth	Direction:	Code: 21	
LOC: BRG:							Direction:	Code: 21	
METRES DRILLED	HOLE CONDITION	REDUCED PUMP SPEED	Boiler		SAFETY		SAFETY		
From: To: D-R-C: RPM: WOB:	Hole Drag: Up: Down:	Pump No.: Pressure: Strokes/min: Depth:	Boiler #:	Hours Run:	pH:	Stack Temp:	Safety Topic:	MEHL:	MACP:
	Torque at Bottom: Fill on Bottom:								

DRILL ASSEMBLY & SPECIAL EVENTS - ADDITIONAL DATA

Tour Sheet Serial No
0Y52529_20160513_1A

Vendor Software Version
Pason

Year Month Day
2016 05 13

License No 31606	Well Name PARKLAND C5-09-81-16W6	Surface Location 05-09-081-16W6	Prov BC	Loc Type DLS	Unique Well Id 103/14-08-081-16W6/00
Operator ARC RESOURCES		Contractor PRECISION DRILLING, DIV OF PDCLP	Rig No 529	Well Type HORIZ	Re-Entry <input type="checkbox"/>
Operator's AFE 16DRL0036		Contractor's Job No 84	Spud Date Time 2016/05/04 23:00		
Signature of Operator Representative Dean Boehnert		Signature of Contractor's Rig Manager MARC RAYMOND	Rig Release Date Time 2016/05/13 23:59		



Pason

DRILLING ASSEMBLY					TOUR 1					DRILLING ASSEMBLY					TOUR					DRILLING ASSEMBLY					TOUR				
No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length	No	Component	OD	ID	Length										
1	BIT	171.00	0.00	0.23																									
1	MOTOR	127.00	0.00	9.04																									
1	SLIDE REAMER	152.00	0.56	1.43																									
1	NM SLICK MONEL	120.00	69.00	9.32																									
1	GAP SUB	126.00	69.00	1.71																									
1	NM SLICK MONEL	120.00	69.00	9.27																									
1	NM SLICK MONEL	117.00	69.00	9.26																									
1	X/O	134.00	61.00	0.94																									
1	5 SINGLES OF DP	114.00	97.00	48.75																									
1	X/O	134.00	62.00	0.96																									
1	JARS-HYD/MECH	133.00	57.00	5.50																									
1	X/O	134.00	68.00	0.94																									
1	167 SINGLES OF DP	114.00	97.00	1628.25																									
1	36 SINGLES OF HWDP	114.00	73.00	336.96																									
51	Drill Pipe		Stands	1491.75		Drill Pipe		Stands			Drill Pipe		Stands																
1	Drill Pipe		Singles	9.75		Drill Pipe		Singles			Drill Pipe		Singles																
	Kelly Down			1.94		Kelly Down					Kelly Down																		
	Total			3566.00		Total					Total																		
	Weight of DC			0.00		Weight of DC					Weight of DC																		
	Weight of String			70.00		Weight of String					Weight of String																		

SPECIAL EVENTS				
Tour No.	Event No.	Description	Time	Depth

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
 Tour Sheet Serial Number 052529_20160514_1A Pason Vendor Software Version 2016 05 14
 Surface Location 05-09-081-16W6 Prov BC Loc Type DLS Unique Well Id 103/14-08-081-16W6/00
 Operator ARC RESOURCES Contractor PRECISION DRILLING, DIV OF PDCLP Rig No 529 Well Type HORIZ Re-Entry
 Operator's AFE 16DRLO36 Contractor's Job No 84 Spud Date Time 2016/05/04 23:00
 Signature of Operator Representative Dean Boehnert Signature of Contractor's Rig Manager MARC RAYMOND Rig Release Date Time 2016/05/13 23:59

DAILY CHECKS

1) Daily Walk Around Inspection	OP	RM
2) Detailed Inspection - Weekly (Using Check List)	DB	MR
3) H2S Signs Posted if Required	DB	MR
4) Well License & Stick Diagram Posted	DB	MR
5) Flare Lines Staked	DB	MR
6) BOP Drills Performed	DB	MR
7) Visually Inspected BOPs - Flare Lines & Degasser Lines	DB	MR

1) Rig Site Health & Safety Meeting (one/crew/month)
 2) CAODC Rig Safety Inspection Checklist (one/rig/month)
 3) Mast Inspection before Raising or Lowering
 4) Crown Saver Checked
 5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL	
HOURS	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	
Tour 1												3.75														8.00	
Tour 2															3.75							0.50					12.00
Tour 3																						0.25	3.75			4.00	
Total												3.75			3.75							1.25	15.25			24.00	

FUEL @ 08:00 HOURS

Rig	11875.00	Boiler	0.00
Time	05:00	Temp	6.00
Current Conditions	CLEAR	Wind Direction	SW
Wind Strength	UP TO 19 KM/H	Wind Condition	GOOD

TOUR 1 SIGNATURE OF DRILLER JOSH GILBERT **START TIME** 00:00 **END TIME** 08:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
Size							Other								00:00	01:15	1.25	14B	NIPPLE DOWN BOPS / CONTINUE TO NIPPLE DOWN HCR SKILL LINES/ FLOWLINE/FLOW T								
IADC Code							Time								01:15	01:30	0.25	21	SAFETY MEETING WITH LOGGERS/ COP 2-9. OVERHEAD SHEAVE/ 14' X 5/16. S/N								
Manufacturer							Density								01:30	05:15	3.75	11B	14516-L1075. SHEAVE HANGER S/N 25224								
Type							Funnel Viscosity								05:15	07:00	1.75	14B	LOGGING - CASSED HOLE LOGS								
Serial No							Fluid Loss								07:00	07:45	0.75	14E	FINISH NIPPLE DOWN. CASING SLIPS SET @ 77 DEC								
Jets							pH								07:45	08:00	0.25	21	INSTALL WELLHEAD/TREE								
Depth Out (m)							Location of Sample													SAFETY MEETING/CREW CHANGE MEETING							
Depth In (m)							Depth																				
Total Drilled (m)							PVT																				
Hrs Run Today																											
Cumulative Hrs Run																											
Entry Date																											
CUTTING STRUCTURE		HOLE CONDITION			REDUCED PUMP SPEED			SOLIDS CONTROL					SAFETY														
TI		Gage					Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP	
TO		ODC					Torque at Bottom				@	@	@														
MDC		Reason Pulled					Fill on Bottom				@	@	@														
LOC		Total Run (m/hr)									@	@	@														
BRG		Weight of DC									@	@	@														
		Weight of String																									

TOUR 2 SIGNATURE OF DRILLER JASON GILES **START TIME** 08:00 **END TIME** 20:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
Size							Other								08:00	17:30	9.50	22	LAY BOPS DOWN, INSTALL WELL HEAD, RIG OUT AND LAY DOWN TOP DRIVE, LOWER MUD								
IADC Code							Time								17:30	17:45	0.25	21	TANK ROOFS, RIG OUT DERRICK AND PREP TO LAY OVER								
Manufacturer							Density								17:45	19:45	2.00	22	REVIEW COP 7-7 LAY OVER DERRICK								
Type							Funnel Viscosity								19:45	20:00	0.25	21	LAY DERRICK OVER - RIG OUT TUGGER/BOOM LINES- HANG BLOCKS								
Serial No							Fluid Loss													CREW CHANGE SAFETY MEETING/PLAN FORWARD W/RIG MANAGER & ARC OSS.							
Jets							pH																				
Depth Out (m)							Location of Sample																				
Depth In (m)							Depth																				
Total Drilled (m)							PVT																				
Hrs Run Today																											
Cumulative Hrs Run																											
Entry Date																											
CUTTING STRUCTURE		HOLE CONDITION			REDUCED PUMP SPEED			SOLIDS CONTROL					SAFETY														
TI		Gage					Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP	
TO		ODC					Torque at Bottom				@	@	@														
MDC		Reason Pulled					Fill on Bottom				@	@	@														
LOC		Total Run (m/hr)									@	@	@														
BRG		Weight of DC									@	@	@														
		Weight of String																									

TOUR 3 SIGNATURE OF DRILLER JOSH GILBERT **START TIME** 20:00 **END TIME** 24:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG														
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks								
Size							Other								20:00	20:15	0.25	21	SAFETY MEETING PRIOR TO UNSPOOL BLOCKS/ COP 7-8								
IADC Code							Time								20:15	24:00	3.75	22	UNSPPOOL LINE OFF DRAWWORKS/ DERRICK. PREP DERRICK FOR LEVEL 4 INSPECTION								
Manufacturer							Density																				
Type							Funnel Viscosity																				
Serial No							Fluid Loss																				
Jets							pH																				
Depth Out (m)							Location of Sample																				
Depth In (m)							Depth																				
Total Drilled (m)							PVT																				
Hrs Run Today																											
Cumulative Hrs Run																											
Entry Date																											
CUTTING STRUCTURE		HOLE CONDITION			REDUCED PUMP SPEED			SOLIDS CONTROL					SAFETY														
TI		Gage					Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Equipment Name	Hours Run	Intake Density	Over Flow Density	Under Flow Density	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP	
TO		ODC					Torque at Bottom				@	@	@														
MDC		Reason Pulled					Fill on Bottom				@	@	@														
LOC		Total Run (m/hr)									@	@	@														
BRG		Weight of DC									@	@	@														
		Weight of String																									

FRONT PAGE SUMMARY

License No 31606 Well Name PARKLAND C5-09-81-16W6
 Tour Sheet Serial Number 052529_20160515_1A Vendor Software Version Pason Year 2016 Month 05 Day 15
 Surface Location 05-09-081-16W6 Prov BC Loc Type DLS Unique Well Id 103/14-08-081-16W6/00
 Operator ARC RESOURCES Contractor PRECISION DRILLING, DIV OF PDCLP Rig No 529 Well Type HORIZ Re-Entry
 Operator's AFE 16DRLO36 Contractor's Job No 84 Spud Date Time 2016/05/04 23:00
 Signature of Operator Representative Dean Boehnert Signature of Contractor's Rig Manager MARC RAYMOND Rig Release Date Time 2016/05/13 23:59

DAILY CHECKS
 1) Daily Walk Around Inspection
 2) Detailed Inspection - Weekly (Using Check List)
 3) H2S Signs Posted if Required
 4) Well License & Stick Diagram Posted
 5) Flare Lines Staked
 6) BOP Drills Performed
 7) Visually Inspected BOPs - Flare Lines & Degasser Lines
 1) Rig Site Health & Safety Meeting (one/crew/month)
 2) CAODC Rig Safety Inspection Checklist (one/rig/month)
 3) Mast Inspection before Raising or Lowering
 4) Crown Saver Checked
 5) Motor Kills Checked



CODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
HOURS	Rig Up	Drill Actual	Reaming	Coring	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple Up BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	
Tour 1																						0.25	7.75			8.00
Tour 2																						0.25	11.75			12.00
Tour 3																								4.00		4.00
Total																						0.50	19.50	4.00		24.00

Kelly Busting 8.00 On Fuel 1875.00
FUEL @ 08:00 HOURS
 Rig 10000.00 Boiler 0.00
 Time 05:00 Temp 6.00
 Current Conditions CLEAR
 Wind Direction SW Wind Strength UP TO 19 KM/H
 Road Condition GOOD

TOUR 1 SIGNATURE OF DRILLER JOSH GILBERT **START TIME** 00:00 **END TIME** 08:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG							
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks	
Size							Other								00:00	07:45	7.75	22	TEAR DOWN / CONTINUE TO RIG OUT DERRICK/ SPLIT BUILDING / POWER CORDS/ PREP FOR MOVE	
IADC Code							Time								07:45	08:00	0.25	21	SAFETY MEETING/CREW CHANGE MEETING	
Manufacturer							Density													
Type							Funnel Viscosity													
Serial No							Fluid Loss													
Jets							pH													
Depth Out (m)							Location of Sample													
Depth In (m)							Depth													
Total Drilled (m)							PVT													
Hrs Run Today																				
Cumulative Hrs Run																				
Entry Date																				
CUTTING STRUCTURE		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG							
TI		Gage																		
TO		ODC																		
MDC		Reason Pulled																		
LOC		Total Run (m/hr)																		
BRG																				
METRES DRILLED		HOLE CONDITION			REDUCED PUMP SPEED			Boiler					SAFETY							
From	To	D-R-C	RPM	WOB	Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP	
					Torque at Bottom				@	@						CLEANING RIGGING OUT		0.00kda	0kPa	
					Fill on Bottom				@	@										

TOUR 2 SIGNATURE OF DRILLER JASON GILES **START TIME** 08:00 **END TIME** 20:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG							
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks	
Size							Other								08:00	08:15	0.25	21	SAFETY MEETING with crew on rigging out and preparing for level 4	
IADC Code							Time								08:15	20:00	11.75	22	AC BRAKE CALIPERS CHECKED AND RIG OUT RIG AND RENTALS.CLEAN DERRICK.SUB AND ALL BUILDINGS	
Manufacturer							Density													
Type							Funnel Viscosity													
Serial No							Fluid Loss													
Jets							pH													
Depth Out (m)							Location of Sample													
Depth In (m)							Depth													
Total Drilled (m)							PVT													
Hrs Run Today																				
Cumulative Hrs Run																				
Entry Date																				
CUTTING STRUCTURE		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG							
TI		Gage																		
TO		ODC																		
MDC		Reason Pulled																		
LOC		Total Run (m/hr)																		
BRG																				
METRES DRILLED		HOLE CONDITION			REDUCED PUMP SPEED			Boiler					SAFETY							
From	To	D-R-C	RPM	WOB	Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP	
					Torque at Bottom				@	@						CLEANING / WORKING AT HEIGHTS		0.00kda	0kPa	
					Fill on Bottom				@	@										

TOUR 3 SIGNATURE OF DRILLER MARC RAYMOND **START TIME** 20:00 **END TIME** 24:00

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG							
Bit Number		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details of Operations in Sequence & Remarks	
Size							Other								20:00	24:00	4.00	23B	WAITING ON DAYLIGHT TO RIG OUT RIG WITH TRUCKS	
IADC Code							Time													
Manufacturer							Density													
Type							Funnel Viscosity													
Serial No							Fluid Loss													
Jets							pH													
Depth Out (m)							Location of Sample													
Depth In (m)							Depth													
Total Drilled (m)							PVT													
Hrs Run Today																				
Cumulative Hrs Run																				
Entry Date																				
CUTTING STRUCTURE		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS					TIME LOG							
TI		Gage																		
TO		ODC																		
MDC		Reason Pulled																		
LOC		Total Run (m/hr)																		
BRG																				
METRES DRILLED		HOLE CONDITION			REDUCED PUMP SPEED			Boiler					SAFETY							
From	To	D-R-C	RPM	WOB	Hole Drag	Up	Down	Pump No.	Pressure	Strokes/min	Depth	Boiler #	Hours Run	pH	Stack Temp	Safety Topic		MEHL	MACP	
					Torque at Bottom				@	@						CLEANING RIGGING OUT		0.00kda	0kPa	
					Fill on Bottom				@	@										

