

FRONT PAGE SUMMARY				Tour Sheet Serial Number	Vendor Software Version	Year	Month	Day	DAILY CHECKS		OP	RM
License No	Well Name	PREC529	20170215 1C	RMS	2016.8.30.38074	2017	02	15	(1) Daily Walk Around Inspection	MM	MS	
032618	ARCRES HZ INGA B13-26-84-24	Surface Location	13b-26-84-24 W6	Prov	BC	Well Type	DLS	Unique Well ID	(2) Detailed Inspection - Weekly (Using Check List)	MM	MS	
Contractor		Precision Drilling, div of PDC		Well No	529	Well Type	HORIZ	Re-Entry	(3) WDS Signs Posted If Required	MM	MS	
Company's PSE		Precision Drilling, div of PDC		Spool Date Time					(4) Well Licence & Stick Diagram Posted	MM	MS	
17DR0037		Contractor's Job No		99					(5) Flare Lines Staked	MM	MS	
Signature of Operator's Representative		Signature of Contractor's Rig Manager		Rig Release Table Time					(6) RIG Siles Performed	MM	MS	
Mike Maddison		Marc Raymond							(7) Visually Inspected BOP's Flare Lines & Degasser Lines	MM	MS	

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	Kelly Bitting	Top Fuel	
Tour 1																											8.00	5.98	0
Tour 2	7.50																										12.00	12000	3500
Tour 3	3.75																										4.00	05:00	6
TOTAL	11.25																										24.00	OVERCAST	WEATHER

TOUR	1	SIGNATURE OF DRILLER	Josh Gilbert	START TIME	0:00	END TIME	8:00
------	---	----------------------	--------------	------------	------	----------	------

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	Details Of Operations In Sequence & Remarks			
					From	To		
Bit Number: [] Size: [] IADC Code: [] Manufacturer: [] Type: [] Serial No: [] Jts: [] Depth Out (m): [] Depth In (m): [] Total Drilled (m): [] Hrs Run Today: [] Cumulative Hrs Run: [] Entry Date: []	No. Component OD ID Length [] [] [] [] [] [] Kelly Down Tear Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run	Time Depth Deviation Direction Type [] [] [] [] [] SOILS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type	From To Elapsed Code 0:00 7:00 7:00 23B 7:00 7:15 0:25 21 7:15 8:00 0:75 22C	W/O DAYLIGHT SAFETY MEETING WITH CREW,DRS TRUCKING AND OSS , REVIEW SIMOPS LOAD SHACKS AND LIGHT PLANTS,BIT SHACKS			
CUTTING STRUCTURE TO [] MOC [] LOC [] BRG []	HOLE CONDITION Hole Drag Up [] Down [] Torque At Bottom [] Fill On Bottom []	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth [] [] [] []	BOILER BoilerNo HoursRun pH StackTemp 1 8.00 11 330	Remarks INSPECT ALL FALL PROTECTION EQUIPMENT,TRUCKERS SLINGS,PICKER EQUIPMENT AND PULL TRUCKS, TRUCKERS LOADER AND HIS REAR CAMERA,HORN,RAMP,FIFTH WHEEL HITCH				
TOUR 2 SIGNATURE OF DRILLER John Kennedy					START TIME	8:00	END TIME	20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	Details Of Operations In Sequence & Remarks			
					From	To		
Bit Number: [] Size: [] IADC Code: [] Manufacturer: [] Type: [] Serial No: [] Jts: [] Depth Out (m): [] Depth In (m): [] Total Drilled (m): [] Hrs Run Today: [] Cumulative Hrs Run: [] Entry Date: []	No. Component OD ID Length [] [] [] [] [] [] Kelly Down Tear Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run	Time Depth Deviation Direction Type [] [] [] [] [] SOILS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type	From To Elapsed Code 8:00 12:00 4:00 22C 12:00 12:15 0:25 21B 12:15 18:00 5:75 1C 18:00 18:15 0:25 21 18:15 20:00 1:75 1	LOAD RIG BOILER, DRIVE HOUSE,GENS,PUMPS,DOG HOUSE,DERRICK AND DRAWWORKS,PONY SUB AND ALL MATTINGS WITH THE BOP REVIEW SIMOPS AND SPOT RIG SPOT ALL SHACKS,LIGHT PLANTS,GARBAGE BIN,RIG MATTINGS,BOP AND PONY SUB AND SUB,DRAWWORKS AND DERRICK,MUD TANKS,MUD PUMPS,GENS,DRIVE HOUSE,BOILER,CATWALK,MANIFOLD SHACK,400 BBL,CENTRIFUGE AND SHALE BINS,TRUCK RELEASED @ 1800HRS CREW CHANGE MEETING AND PLAN FORWARD MEETING WITH ARC OSS REVIEW APPROPRIATE CTA AND RIG UP POWER CORDS			
CUTTING STRUCTURE TO [] MOC [] LOC [] BRG []	HOLE CONDITION Hole Drag Up [] Down [] Torque At Bottom [] Fill On Bottom []	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth [] [] [] []	BOILER BoilerNo HoursRun pH StackTemp 1 4.00 11 300	Remarks INSPECT ALL FALL PROTECTION EQUIPMENT,TRUCKERS SLINGS,PICKER EQUIPMENT AND PULL TRUCKS, TRUCKERS LOADER AND HIS REAR CAMERA,HORN,RAMP,FIFTH WHEEL HITCH				
TOUR 3 SIGNATURE OF DRILLER Josh Gilbert					START TIME	20:00	END TIME	24:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	Details Of Operations In Sequence & Remarks			
					From	To		
Bit Number: [] Size: [] IADC Code: [] Manufacturer: [] Type: [] Serial No: [] Jts: [] Depth Out (m): [] Depth In (m): [] Total Drilled (m): [] Hrs Run Today: [] Cumulative Hrs Run: [] Entry Date: []	No. Component OD ID Length [] [] [] [] [] [] Kelly Down Tear Weight of DC Weight of String	Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run	Time Depth Deviation Direction Type [] [] [] [] [] SOILS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type	From To Elapsed Code 20:00 22:45 2:75 1 22:45 23:00 0:25 21B 23:00 24:00 1:00 1	RIG UP MUD PUMPS,MUD TANKS,GENS, BOILER,PRE-FABS,SUBSTRUCTURE,DRESS DERRICK AND SPOOL ALL LINES,PREP TO RAISE THE DERRICK CTA REVIEW ON RAISING DERRICK,PRE INSPECTION CONDUCTED BY MARC RAYMOND,JOHNS GILBERT,SHAMUS SUPERNALUT RAISE DERRICK,RIG UP ST-80C,spot catwalk and raise v-door			
CUTTING STRUCTURE TO [] MOC [] LOC [] BRG []	HOLE CONDITION Hole Drag Up [] Down [] Torque At Bottom [] Fill On Bottom []	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth [] [] [] []	BOILER BoilerNo HoursRun pH StackTemp 1 4.00 11 300	Remarks INSPECT TUGGERS,BOOMS,DEAD MAN ANCHOR/BOLTS,DOG NUT,MAN RIDER,DRILLING LINE,DERRICK INSPECTIONS,ZONE 1 TO 6 (DROPS),E-STOPS,MOTOR KILLS,				
TOUR 3 SIGNATURE OF DRILLER Josh Gilbert					START TIME	20:00	END TIME	24:00

FRONT PAGE SUMMARY
Tour Sheet Serial Number: PREC529 20170216 1B
Vendor Software Version: RMS 2016.8.30.38074
Year: 2017 Month: 02 Day: 16
License No: 032618 Well Name: ARCRCES HZ INGA B13-26-84-24
Surface Location: 13b-26-84-24 W6
Pro: BC Loc Type: DLS Unique Well ID: 100/09-23-084-24W6/00
Contractor: Precision Drilling, div of PDC
Company Job No: 99
Rig No: 529 Well Type: HORIZ
Spud Date Time: 16-Feb-2017 17:00
Signature of Operator's 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 Postcard if Required
 - (4) Well License & Stick Diagram Posted
 - (5) Flare Lines Staked
 - (6) ROP Tests Performed
 - (7) Visually Inspected BOP's Flare Lines & Degasser Lines
 - (8) Rig Site Health & Safety Meeting (once/week/month)
 - (9) CAODC Rig Safety Inspection Checklist (once/week/month)
 - (10) Mast Inspection before Raising or Lowering
 - (11) Crown Saver Checked
 - (12) Major Jobs 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	Other	Remarks
Tour 1	7.75																									8.00		
Tour 2	6.50	2.50																				2.25	0.75			12.00		
Tour 3		1.75					0.25															2.00				4.00		
TOTAL	14.25	4.25					0.25															4.25	1.00			24.00		

Kelly Batching: 5.98
Lip Fuel: 2602
FUEL @ 08:00 HRS
27875
Tanks: 15
Weather: RAIN
Wind Direction: N
Wind Strength: UP TO 19 KM/H
Road Condition: POOR

TOUR 1 SIGNATURE OF DRILLER: Josh Gilbert
START TIME: 0:00 END TIME: 8:00

BITS
Bit Number: 1
Size: 279
IADC Code:
Manufacturer: KING DREAM
Type: HT030LC
Serial No: 417GLC
JMS: 15.88, 15.88
Depth Out (m): 92.00
Depth In (m): 0.00
Total Drilled (m): 92.00
Hrs Run Today: 2.25
Cumulative Hrs Run: 0.00
Entry Date: 16-Feb-2017

DRILLING ASSEMBLY
Mud Type: Water
Mud Lube: 1 8" MUD LUBE 7/8
X/O: 1 8" X/O
NONMAG MONEL: 1 6.5" NONMAG MONEL
GAP SUB: 1 6.5" GAP SUB
HYDMECH JARS: 1 6.5" HYDMECH JARS
X/O SUB: 1 X/O SUB
HWDP: 7 4.5" HWDP

MUD RECORD
Mud Type: Water
Time: 13:00
Density: 1160
Funnel Viscosity: 45
Fluid Loss: 9.26
pH: 14
Location of Sample: 14
Depth: 0.00
PVT: 50

DEVIATION SURVEYS
Time: 18:45, 19:30
Depth: 42.96, 57.00
Deviation: 0.20, 0.20
Direction: 288, 288

TIME LOG
From: 0:00, 7:45, 19:30
To: 7:45, 8:00, 0:25
Elapsed: 7.75, 0.25
Code: 1B, 21
Details of Operations In Sequence & Remarks:
RIG UP TOP DRIVE/ RIG FLOOR - st-80c/ SERVICE LOOPS, BAILS, C/O WASH PIPE
SAFETY MEETING/CREW CHANGE MEETING

TOUR 2 SIGNATURE OF DRILLER: John Kennedy
START TIME: 8:00 END TIME: 20:00

BITS
Bit Number: 1
Size: 279
IADC Code:
Manufacturer: KING DREAM
Type: HT030LC
Serial No: 417GLC
JMS: 15.88, 15.88
Depth Out (m): 92.00
Depth In (m): 0.00
Total Drilled (m): 92.00
Hrs Run Today: 2.25
Cumulative Hrs Run: 0.00
Entry Date: 16-Feb-2017

DRILLING ASSEMBLY
Mud Type: Water
Mud Lube: 1 8" MUD LUBE 7/8
X/O: 1 8" X/O
NONMAG MONEL: 1 6.5" NONMAG MONEL
GAP SUB: 1 6.5" GAP SUB
HYDMECH JARS: 1 6.5" HYDMECH JARS
X/O SUB: 1 X/O SUB
HWDP: 7 4.5" HWDP

MUD RECORD
Mud Type: Water
Time: 13:00
Density: 1160
Funnel Viscosity: 45
Fluid Loss: 9.26
pH: 14
Location of Sample: 14
Depth: 0.00
PVT: 50

DEVIATION SURVEYS
Time: 18:45, 19:30
Depth: 42.96, 57.00
Deviation: 0.20, 0.20
Direction: 288, 288

TIME LOG
From: 8:00, 14:30, 16:30, 17:00, 19:45, 20:00
To: 14:30, 16:30, 17:00, 19:45, 20:00, 0:25
Elapsed: 6.50, 2.00, 0.50, 2.50, 0.25
Code: 1, 20D, 21F, 20A, 21
Details of Operations In Sequence & Remarks:
REVIEW APPROPRIATED CTA'S AND RIG UP RIG FLOOR EQUIPMENT, RIG UP CONDUCTOR, FLARE AND DEGASSER LINES, UNLOAD AND PREP SURFACE CASING, FILL MUD TANKS AND PREMIX HIGH VIS SWEEP AND MUD UP TO 40 VIS, BI-ANNUAL INSPECT OF RIG EQUIPMENT WITH ELECTRICIAN(PD), PRE-SPUD INSPECTION COMPLETED
CTA 2-1 REVIEW AND PICK UP BIT, MOTOR, SCRIBE, MONELS, EM TOOL, JAR, HWDP
PRE SPUD SAFETY MEETING, HAZARD HUNT AND REVIEW STICK DIAGRAM, ENCOUNTERING WELL PROBLEMS, SITE SPECIFICS, EXISTING WELL, C RING PAD ON LOCATION,
SPUD NOTIFICATION AND DRILL 279mm SURFACE HOLE FROM 0M -92M.
DIRECTIONAL SURVEYS / CONNECTIONS
CREW CHANGE HANDOVER MEETING

TOUR 3 SIGNATURE OF DRILLER: Josh Gilbert
START TIME: 20:00 END TIME: 24:00

BITS
Bit Number: 1
Size: 279
IADC Code:
Manufacturer: KING DREAM
Type: HT030LC
Serial No: 417GLC
JMS: 15.88, 15.88
Depth Out (m): 145.00
Depth In (m): 0.00
Total Drilled (m): 145.00
Hrs Run Today: 1.50
Cumulative Hrs Run: 3.75
Entry Date: 16-Feb-2017

DRILLING ASSEMBLY
Mud Type: Water
Mud Lube: 1 8" MUD LUBE 7/8
X/O: 1 8" X/O
NONMAG MONEL: 1 6.5" NONMAG MONEL
GAP SUB: 1 6.5" GAP SUB
HYDMECH JARS: 1 6.5" HYDMECH JARS
X/O SUB: 1 X/O SUB
HWDP: 13 4.5" HWDP

MUD RECORD
Mud Type: Water
Time: 22:30
Density: 1100
Funnel Viscosity: 40
Fluid Loss: 9.26
pH: 14
Location of Sample: SHAKERS
Depth: 0.00
PVT: 50

DEVIATION SURVEYS
Time: 20:30, 23:15
Depth: 85.08, 113.16
Deviation: 0.20, 0.20
Direction: 288, 108

TIME LOG
From: 20:00, 21:45, 21:45, 22:00, 22:00, 24:00
To: 21:45, 22:00, 0:25, 7
Elapsed: 1.75, 0.25, 2.00
Code: 2, 7, 20A
Details of Operations In Sequence & Remarks:
DRILL 179mm SURFACE HOLE FROM 92M-145M.
RIG SERVICE/INSPECT OVERHEAD EQUIPMENT
DIRECTIONAL SURVEYS

FRONT PAGE SUMMARY				Tour Sheet Serial Number PREC259 20170217 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 17	DAILY CHECKS							OP RM							
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6		Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Postcard If Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Scaled (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/monthly) (9) CAODC Rig Safety Inspection Checklist (once/monthly) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked							MMS	MMS	MMS	MMS	MMS	MMS	MMS	MMS	MMS	MMS
Contractor ARC Resources Ltd.			Precision Drilling, div of PDC			Rig No 529	Well Type HORIZ	Spud Date Time 16-Feb-2017 17:00							Signature of Operator's Representative Mike Maddison	Signature of Contractor's Rig Manager Mark Raymond							



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 HRS	WEATHER	
Tour 1		2.50			0.50	2.50	0.25																			8.00	21375	3500	
Tour 2		6.25			2.00	0.25																				12.00	06:15	0	
Tour 3		2.50			0.50	0.25																				4.00	RAIN	Wind Strength UP TO 19 KM/H	
TOTAL		11.25			3.00	2.50	0.75																			24.00	5.98	6500	POOR

TOUR **1** SIGNATURE OF DRILLER **Josh Gilbert** START TIME **0:00** END TIME **8:00**


BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS			TIME LOG																				
Bit Number 2	Size 279	No 1	Component 279mm BIT	OD 279	ID 1.028	Length 1.028	Mud Type Water	Water <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>	Time 00:45	Depth 141.24	Deviation 0.60	Direction 133.9	Type 2	From 0:00	To 2:00	Elapsed 2:00	Code 2	Details Of Operations In Sequence & Remarks DRILL SURFACE HOLE FROM 145M-213M.												
IADC Code SICOTTE	Manufacturer SS516GB	Type 1	Serial No 12692	JMS 14.3 14.3 14.3	Depth Out (m) 269.00	Depth In (m) 213.00	Total Drilled (m) 56.00	Hrs Run Today 0.50	Cumulative Hrs Run 0.50	Entry Date 17-Feb-2017	CUTTING STRUCTURE 1			METRES DRILLED 269.00			HOLE CONDITION 1			REDUCED PUMP SPEED 1			MUD MATERIALS ADDED BENTONITE 120 SX			BOILER 1 8.00 10.5 310			SAFETY MEHL 0 MACP		

TOUR **2** SIGNATURE OF DRILLER **John Kennedy** START TIME **8:00** END TIME **20:00**

BITS		DRILLING ASSEMBLY			MUD RECORD			DEVIATION SURVEYS			TIME LOG																				
Bit Number 2	Size 279	No 1	Component 279mm BIT	OD 279	ID 1.028	Length 1.028	Mud Type Water	Water <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>	Time 09:30	Depth 253.54	Deviation 0.60	Direction 164	Type 5	From 8:00	To 10:00	Elapsed 2:00	Code 5	Details Of Operations In Sequence & Remarks CIRCULATE HOLE CLEAN, VIS UP, MIX LCM, CLEAN PUMP SUCTION AND DISCHARGE SCREENS, CHANGE VALVES / SEATS IN PUMPS DUE TO LOST CIRCULATION AND SHAKER SCREEN REMOVE												
IADC Code SICOTTE	Manufacturer SS516GB	Type 1	Serial No 12692	JMS 14.3 14.3 14.3	Depth Out (m) 528.00	Depth In (m) 213.00	Total Drilled (m) 315.00	Hrs Run Today 6.25	Cumulative Hrs Run 6.75	Entry Date 17-Feb-2017	CUTTING STRUCTURE 1			METRES DRILLED 528.81			HOLE CONDITION 1			REDUCED PUMP SPEED 1			MUD MATERIALS ADDED SAWDUST 150 EACH			BOILER 1 12.00 10.5 320			SAFETY MEHL 0 MACP		

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 2	Size 279	No 1	Component 279mm BIT	OD 279	ID 1.028	Length 1.028	Mud Type Water	Water <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>	Time 21:15	Depth 541.36	Deviation 1.00	Direction 249.2	Type 2	From 20:00	To 22:30	Elapsed 2:30	Code 2	Details Of Operations In Sequence & Remarks DRILL SURFACE HOLE FROM 528M-620M												
IADC Code SICOTTE	Manufacturer SS516GB	Type 1	Serial No 12692	JMS 14.3 14.3 14.3	Depth Out (m) 620.50	Depth In (m) 213.00	Total Drilled (m) 407.50	Hrs Run Today 2.50	Cumulative Hrs Run 9.25	Entry Date 17-Feb-2017	CUTTING STRUCTURE 1			METRES DRILLED 43.00			HOLE CONDITION 1			REDUCED PUMP SPEED 1			MUD MATERIALS ADDED PARALLEL 152 91 12000 4.00			BOILER 1 4.00 10.5 310			SAFETY MEHL 0 MACP		

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC529 20170217 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 17	DAILY CHECKS		OP RM
License No 032618	Well Name ARCRHS HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weekly (Using Check List) <input type="checkbox"/> (3) H2S Signs Posted if Required <input type="checkbox"/> (4) Well Licence & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Scaled <input type="checkbox"/> (6) H2S Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) H2S Tests Performed <input type="checkbox"/> (9) H2S Tests Performed <input type="checkbox"/> (10) H2S Tests Performed <input type="checkbox"/> (11) H2S Tests Performed <input type="checkbox"/> (12) H2S Tests Performed <input type="checkbox"/> (13) H2S Tests Performed <input type="checkbox"/> (14) H2S Tests Performed <input type="checkbox"/> (15) H2S Tests Performed <input type="checkbox"/> (16) H2S Tests Performed <input type="checkbox"/> (17) H2S Tests Performed <input type="checkbox"/> (18) H2S Tests Performed <input type="checkbox"/> (19) H2S Tests Performed <input type="checkbox"/> (20) H2S Tests Performed <input type="checkbox"/> (21) H2S Tests Performed <input type="checkbox"/> (22) H2S Tests Performed <input type="checkbox"/> (23) H2S Tests Performed <input type="checkbox"/> (24) H2S Tests Performed <input type="checkbox"/> (25) H2S Tests Performed		<input type="checkbox"/> (1) Rig Site Health & Safety Meeting (on/oc/rew/month) <input type="checkbox"/> (2) CAODC Rig Safety Inspection Checklist (on/oc/rew/month) <input type="checkbox"/> (3) Mast Inspection before Raising or Lowering <input type="checkbox"/> (4) Crown Saver Checked <input type="checkbox"/> (5) Major Risks Checked	
Contractor ARC Resources Ltd.	Contractor Precision Drilling, div of PDC	Contractor Job No 99	Rig No 529	Well Type HORIZ	Squad Date Time 16-Feb-2017	Signature of Contractor's Rig Manager Marc Raymond		Signature of Operator's Representative Mike Maddison	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weekly (Using Check List) <input type="checkbox"/> (3) H2S Signs Posted if Required <input type="checkbox"/> (4) Well Licence & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Scaled <input type="checkbox"/> (6) H2S Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) H2S Tests Performed <input type="checkbox"/> (9) H2S Tests Performed <input type="checkbox"/> (10) H2S Tests Performed <input type="checkbox"/> (11) H2S Tests Performed <input type="checkbox"/> (12) H2S Tests Performed <input type="checkbox"/> (13) H2S Tests Performed <input type="checkbox"/> (14) H2S Tests Performed <input type="checkbox"/> (15) H2S Tests Performed <input type="checkbox"/> (16) H2S Tests Performed <input type="checkbox"/> (17) H2S Tests Performed <input type="checkbox"/> (18) H2S Tests Performed <input type="checkbox"/> (19) H2S Tests Performed <input type="checkbox"/> (20) H2S Tests Performed <input type="checkbox"/> (21) H2S Tests Performed <input type="checkbox"/> (22) H2S Tests Performed <input type="checkbox"/> (23) H2S Tests Performed <input type="checkbox"/> (24) H2S Tests Performed <input type="checkbox"/> (25) H2S Tests Performed

Code	TOUR 1 SIGNATURE OF DRILLER Josh Gilbert																									TOTAL	FUEL @ 08:00 HRS	
	Rig Up	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Logs	Run Cag & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Walking On	Rig Watch	Other			
Tour 1	2.50				0.50	2.50	0.25																			8.00	21375	3500
Tour 2	6.25				2.00	0.25																				12.00	06:15	0
Tour 3	2.50				0.50	0.25																			4.00	RAIN	Wind Strength UP TO 19 KM/H	
TOTAL	11.25				3.00	2.50	0.75																		24.00	WEATHER POOR		

TOUR 1 SIGNATURE OF DRILLER Josh Gilbert START TIME 0:00 END TIME 8:00

BITS Bit Number: 2 Size: 279 IADC Code: 279 Manufacturer: SICOTTE Type: SS516GB Serial No: 12692 JMS: 14.3 14.3 14.3 Depth Out (m): 269.00 Depth In (m): 213.00 Total Drilled (m): 56.00 Hrs Run Today: 0.50 Cumulative Hrs Run: 0.50 Entry Date: 17-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 279mm BIT 279 1 1.028 1 8" MUD LUBE 7/8 204 1 8.77 1 8" X/O 204 58 0.78 1 6.5" NONMAG MONEL 165 72 9.26 1 6.5" GAP SUB 164 71 1.69 1 6.5" NONMAG MONEL 165 72 9.13 1 6.5" HYDMECH JARS 165 71 5.46 1 X/O SUB 4.5 IN. PTFE 155 72 0.87 25 4.5" HWDP 114 73 24.48	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 COVERED 152 81 5600 6.00 2 COVERED 152 81 5600 6.00	DEVIATION SURVEYS Time Depth Deviation Direction Type 16:30 424.36 1.20 335.9 17:15 453.61 1.30 336.2 19:30 482.86 1.70 336.9 19:30 482.86 1.70 336.9 20:00 512.11 1.10 299.8	TIME LOG From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER						
					CUTTING STRUCTURE TO: 2 MDC: 2 LDC: 1 BRS: 1 Kelly Down: -1.24 Total: 269.00 Weight of DC: 37.39 Weight of String: 32.00	HOLE CONDITION Hole Drag Up 1 Down 1 Torque At Bottom: 5500 Fill On Bottom: 0.00	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 152 81 5600 6.00 2 152 81 5600 6.00	MUD MATERIALS ADDED Product Amount Type	BOILER BoilerNo HoursRun pH StackTemp	SAFETY Safety Topic MEHL MACP
					METRES DRILLED From To D-R-C RPM WOB	TRIPPING 40 MEHL 0 MACP	TOUR 2 SIGNATURE OF DRILLER John Kennedy	START TIME 8:00 END TIME 20:00		

TOUR 2 SIGNATURE OF DRILLER John Kennedy START TIME 8:00 END TIME 20:00

BITS Bit Number: 2 Size: 279 IADC Code: 279 Manufacturer: SICOTTE Type: SS516GB Serial No: 12692 JMS: 14.3 14.3 14.3 Depth Out (m): 528.00 Depth In (m): 213.00 Total Drilled (m): 315.00 Hrs Run Today: 6.25 Cumulative Hrs Run: 6.75 Entry Date: 17-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 279mm BIT 279 1 1.028 1 8" MUD LUBE 7/8 204 1 8.77 1 8" X/O 204 58 0.78 1 6.5" NONMAG MONEL 165 72 9.26 1 6.5" GAP SUB 164 71 1.69 1 6.5" NONMAG MONEL 165 72 9.13 1 6.5" HYDMECH JARS 165 71 5.46 1 X/O SUB 4.5 IN. PTFE 155 72 0.87 37 4.5" HWDP 114 73 24.48	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other: water Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 COVERED 152 90 12500 10.00 2 COVERED 152 90 12500 10.00	DEVIATION SURVEYS Time Depth Deviation Direction Type 16:30 424.36 1.20 335.9 17:15 453.61 1.30 336.2 19:30 482.86 1.70 336.9 19:30 482.86 1.70 336.9 20:00 512.11 1.10 299.8	TIME LOG From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HID: LOOSE CLAMP ON SAVER SUB ON TOP DRIVE/ STOPPED OPERATION AND FIXED/ TIGHTENED UP.						
					CUTTING STRUCTURE TO: 2 MDC: 2 LDC: 1 BRS: 1 Kelly Down: 0.00 Total: 528.81 Weight of DC: 46.67 Weight of String: 43.00	HOLE CONDITION Hole Drag Up 1 Down 1 Torque At Bottom: 7500 Fill On Bottom: 0.00	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 152 90 12500 10.00 2 152 90 12500 10.00	MUD MATERIALS ADDED Product Amount Type	BOILER BoilerNo HoursRun pH StackTemp	SAFETY Safety Topic MEHL MACP
					METRES DRILLED From To D-R-C RPM WOB	TRIPPING 45 MEHL 0 MACP	TOUR 3 SIGNATURE OF DRILLER Josh Gilbert	START TIME 20:00 END TIME 24:00		

TOUR 3 SIGNATURE OF DRILLER Josh Gilbert START TIME 20:00 END TIME 24:00

BITS Bit Number: 2 Size: 279 IADC Code: 279 Manufacturer: SICOTTE Type: SS516GB Serial No: 12692 JMS: 14.3 14.3 14.3 Depth Out (m): 620.50 Depth In (m): 213.00 Total Drilled (m): 407.50 Hrs Run Today: 2.50 Cumulative Hrs Run: 9.25 Entry Date: 17-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 279mm BIT 279 1 1.028 1 8" MUD LUBE 7/8 204 1 8.77 1 8" X/O 204 58 0.78 1 6.5" NONMAG MONEL 165 72 9.26 1 6.5" GAP SUB 164 71 1.69 1 6.5" NONMAG MONEL 165 72 9.13 1 6.5" HYDMECH JARS 165 71 5.46 1 X/O SUB 4.5 IN. PTFE 155 72 0.87 37 4.5" HWDP 114 73 24.48	MUD RECORD Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other: water Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 152 91 12000 4.00 2 PARALLEL 152 91 12000 4.00	DEVIATION SURVEYS Time Depth Deviation Direction Type 16:30 424.36 1.20 335.9 17:15 453.61 1.30 336.2 19:30 482.86 1.70 336.9 19:30 482.86 1.70 336.9 20:00 512.11 1.10 299.8	TIME LOG From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER						
					CUTTING STRUCTURE TO: 2 MDC: 2 LDC: 1 BRS: 1 Kelly Down: -5.50 Total: 620.81 Weight of DC: 0.00 Weight of String: 43.00	HOLE CONDITION Hole Drag Up 1 Down 1 Torque At Bottom: 9800 Fill On Bottom: 0.00	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 152 91 12000 4.00 2 152 91 12000 4.00	MUD MATERIALS ADDED Product Amount Type	BOILER BoilerNo HoursRun pH StackTemp	SAFETY Safety Topic MEHL MACP
					METRES DRILLED From To D-R-C RPM WOB	TRIPPING 55 MEHL 0 MACP	TOUR 3 SIGNATURE OF DRILLER Josh Gilbert	START TIME 20:00 END TIME 24:00		

TOUR 3 SIGNATURE OF DRILLER Josh Gilbert START TIME 20:00 END TIME 24:00

FRONT PAGE SUMMARY			Tour Sheet Serial Number PREC259 20170219 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 19	DAILY CHECKS		OP RM
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Plow BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00			(1) Daily Walk Around Inspection	MM	MS
Contractor ARC Resources Ltd.	Precision Drilling, div of PDC		Rig No 529	Well Type HORIZ	ReEntry		(2) Detailed Inspection - Weekly (Using Check List)	MM	MS	MS
Operator 17DR0037	Signature of Contractor's Rig Manager Mike Maddison		Signature of Operator's Rig Manager Marc Raymond		Squad Date Time 16-Feb-2017	17:00		(3) H2S Signs Posted if Required	MM	MS
								(4) Well License & Stick Diagram Posted	MM	MS
								(5) Flare Lines Baked	MM	MS
								(6) H2S Tests Performed	MM	MS
								(7) Visually Inspected BOP's Flare Lines & Degasser Lines	MM	MS
								(8) Flare Lines Checked	MM	MS
								(9) Major Valve Checked	MM	MS
								(10) Major Valve Checked	MM	MS
								(11) Major Valve Checked	MM	MS
								(12) Major Valve Checked	MM	MS
								(13) Major Valve Checked	MM	MS
								(14) Major Valve Checked	MM	MS
								(15) Major Valve Checked	MM	MS
								(16) Major Valve Checked	MM	MS
								(17) Major Valve Checked	MM	MS
								(18) Major Valve Checked	MM	MS
								(19) Major Valve Checked	MM	MS
								(20) Major Valve Checked	MM	MS
								(21) Major Valve Checked	MM	MS
								(22) Major Valve Checked	MM	MS
								(23) Major Valve Checked	MM	MS
								(24) Major Valve Checked	MM	MS
								(25) Major Valve Checked	MM	MS



Code	TOUR 1 SIGNATURE OF DRILLER Josh Gilbert																									TOTAL	FUEL @ 08:00 HRS		
	Rig MP	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Log	Run Cap & Cement	Wait On Cement	Nipple BOP	Test BOP	Driftstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other				
Tour 1																											8.00	14750	3500
Tour 2	5.75					1.25	0.25		0.75																		12.00	05:00	-5
Tour 3	3.00						0.25																			4.00	CONCRETE	LIGHT SNOW	
TOTAL	8.75					1.25	0.75		0.75																	24.00	WEATHER	FAIR	

TOUR 1 SIGNATURE OF DRILLER Josh Gilbert	START TIME 0:00	END TIME 8:00
--	-----------------	---------------

BITS Bit Number: 3 Size: 200 IADC Code: Manufacturer: HALLIBURTON Type: MM65DM Serial No: 12861980 Jars: 8.7 8.7 8.7 Depth Out (m): 620.00 Total Drilled (m): Hrs Run Today: Cumulative Hrs Run: 0.00 Entry Date: 19-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 6.5" Sealed/B 5.0 STD 189 72 8.90 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 1 6.5" NONMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XJD SUB 4.5 SHL PT43 155 72 0.87 37 4.5" HWDP 114 73 34.32			MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Time: 08:00 Density: 1275 Funnel Viscosity: 30 Fluid Loss: pH: 10 Location of Sample: T3 Depth: 620.00 PVT: 90			DEVIATION SURVEYS Time Depth Deviation Direction Type 0:00 2:00 2.00 14A 2:00 2:15 0.25 21 2:15 5:45 3.50 15A 5:45 6:15 0.50 15B 6:15 6:30 0.25 7 6:30 6:45 0.25 21 6:45 7:45 1.00 20D 7:45 8:00 0.25 21			TIME LOG Details Of Operations In Sequence & Remarks CONTINUE TO NIPPLE UP BOPS/CHANGE UPPER PIPE RAM SEAL SAFETY MEETING/CTA 5-3 PRESSURE TEST BOPS/UPPER/LOWER PIPE RAMS/BLIND RAMS/UPPER/LOWER KILL LINES/UPPER/LOWER HCR-S/MANIFOLD VALVES/CHECK VALVES/INSIDE BOP/TABBING VALVE/ANNULAR/ UPPER KELLY COCK/ALL TESTS 10 MIN EACH. 1000 KPA LOW/10,500 KPA HIGH ACCUMULATOR FUNCTION TEST. STARTING PRESSURE/21 mpa. PRESSURE REMAINING AFTER 4 FUNCTIONS. 10.1 mpa. PRESSURE LOSS: 10.9 mpa, PRECHARGE PRESSURE: 7 mpa. TIME TO RECHARGE: 3 MIN 11 SEC. RIG SERVICE/INSPECT TOP DRIVE SAFETY MEETING/CTA 2-1/DIRECTIONAL TOOLS HANDLE DIRECTIONAL TOOLS/MAKE UP MOTOR/BIT/MONEL/SEM TOOL/GAP SUB/ JARS SAFETY MEETING/CREW CHANGE MEETING					
	CUTTING STRUCTURE TO: CWC MDL: Ream Filter LCL: Seal Bit BRS:			HOLE CONDITION Hole Drag Up Down Torque At Bottom Fill On Bottom			REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 3500 @ 96 @ 772.00 2 127 96 @ 11000 8.00			BOILER BoilerNo HoursRun pH StackTemp 1 8.00 10.5 310			SAFETY SAFETY MEETING/CREW CHANGE MEETING PRESSURE TESTING 15 0 MACP		
	METRES DRILLED From To D-R-C RPM WOB 620.00 890.00 DRILL 60 14			TOUR 2 SIGNATURE OF DRILLER John Kennedy			START TIME 8:00			END TIME 20:00					

BITS Bit Number: 3 Size: 200 IADC Code: Manufacturer: HALLIBURTON Type: MM65DM Serial No: 12861980 Jars: 8.7 8.7 8.7 Depth Out (m): 890.00 Total Drilled (m): 270.00 Hrs Run Today: 4.50 Cumulative Hrs Run: 4.50 Entry Date: 19-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5" Sealed/B 5.0 STD 189 72 8.90 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 1 6.5" NONMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XJD SUB 4.5 SHL PT43 155 72 0.87 37 4.5" HWDP 114 73 34.32			MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> BRINE <input checked="" type="checkbox"/> Time: 17:15 Density: 1240 Funnel Viscosity: 30 Fluid Loss: pH: 10.5 Location of Sample: SHAKERS Depth: 800.00 PVT: 90			DEVIATION SURVEYS Time Depth Deviation Direction Type 13:30 630.63 1.50 265.8 14:00 640.38 1.30 274.2 14:30 655.00 1.50 266.5 14:30 669.63 2.90 272.6 15:00 684.25 3.90 272.4 15:30 698.88 4.90 270.3			TIME LOG Details Of Operations In Sequence & Remarks HANDLE DIRECTIONAL TOOLS SLIP / CUTTING / SLIP AND CUT CTA 6-4 SAFETY MEETING / CTA 2-1/DIRECTIONAL TOOLS DYNAMIC VELOCITY BRAKE TESTS TRIP IN HOLE BOP DRILL WITH CROW AND COMPANY MAN DRILL FLOAT & SHEW TAG @ 606M DRILL 200mm HOLE FROM 620M - 890M. DIRECTIONAL SURVEYS / CONNECTIONS RIG SERVICE / FUNCTION UPPER PIPE RAMS 4 SEC TO C/O CREW CHANGE HANDOVER MEETING					
	CUTTING STRUCTURE TO: CWC MDL: Ream Filter LCL: Seal Bit BRS: 60.00			HOLE CONDITION Hole Drag Up Down Torque At Bottom: 7000 Fill On Bottom: 0.00			REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 3500 @ 96 @ 772.00 2 127 96 @ 11000 8.00			BOILER BoilerNo HoursRun pH StackTemp 1 12.00 10.5 310			SAFETY INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER		
	METRES DRILLED From To D-R-C RPM WOB 890.00 890.00 DRILL 60 14			TOUR 3 SIGNATURE OF DRILLER Josh Gilbert			START TIME 20:00			END TIME 24:00					

BITS Bit Number: 3 Size: 200 IADC Code: Manufacturer: HALLIBURTON Type: MM65DM Serial No: 12861980 Jars: 8.7 8.7 8.7 Depth Out (m): 1007.00 Total Drilled (m): 387.00 Hrs Run Today: 3.00 Cumulative Hrs Run: 7.50 Entry Date: 19-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5" Sealed/B 5.0 STD 189 72 8.90 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 1 6.5" NONMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XJD SUB 4.5 SHL PT43 155 72 0.87 37 4.5" HWDP 114 73 34.32			MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> water <input checked="" type="checkbox"/> Time: 20:15 Density: 1220 Funnel Viscosity: 30 Fluid Loss: pH: 10.5 Location of Sample: SUCTION SUCTION Depth: 800.00 PVT: 90			DEVIATION SURVEYS Time Depth Deviation Direction Type 20:00 874.38 2.40 224.7 20:45 889.00 1.80 233.5 21:15 903.63 1.20 210.5 21:15 932.88 0.40 201.2 23:15 962.13 0.20 1.3			TIME LOG Details Of Operations In Sequence & Remarks BOP DRILL CREW RESPONDED WELL DRILL 200mm HOLE FROM 890M-1007M. DIRECTIONAL SURVEYS RIG SERVICE/LOWER PIPE RAMS/ 4 SEC TO CLOSE					
	CUTTING STRUCTURE TO: CWC MDL: Ream Filter LCL: Seal Bit BRS: 51.60			HOLE CONDITION Hole Drag Up Down Torque At Bottom: 6550 Fill On Bottom: 0.00			REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 2700 @ 84 @ 1027.00 2 PARALLEL 127 86 8000 4.00 2 PARALLEL 127 86 8000 4.00			BOILER BoilerNo HoursRun pH StackTemp 1 4.00 10.5 310			SAFETY INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZARD ID: PIN SECURING MUDTANK STAIRS IN PLACE WAS BACKWARDS CREATING A TRIPPING HAZARD. PUT IT IN PROPERLY		
	METRES DRILLED From To D-R-C RPM WOB 890.00 1007.00 DRILL 40 12			TOUR 3 SIGNATURE OF DRILLER Josh Gilbert			START TIME 20:00			END TIME 24:00					

FRONT PAGE SUMMARY						Tour Sheet Serial Number				Vendor Software Version				Year				Month				Day				DAILY CHECKS				OP RM			
License No: 032618						Well Name: ARGRES HZ INGA B13-26-84-24						PREC259 20170219 1A				RMS 2016.8.30.38074				2017				02				19				<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weibly (Using Check List) <input type="checkbox"/> (3) H2S Signs Posted If Required <input type="checkbox"/> (4) Well Licence & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Scaled <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) Rig Site Health & Safety Meeting (one/one/month) <input type="checkbox"/> (9) CAODC Rig Safety Inspection Checklist (one/one/month) <input type="checkbox"/> (10) Mast Inspection before Raising or Lowering <input type="checkbox"/> (11) Crown Saver Checked <input type="checkbox"/> (12) Major Risks Checked	
Contractor: Precision Drilling, div of PDC						Surface Location: 13b-26-84-24 W6				Prov: BC				Lic Type: DLS				Unique Well ID: 100/09-23-084-24W6/00				Rig No: 529				Well Type: HORIZ				<input type="checkbox"/> Re-Entry <input type="checkbox"/>			
Company's #55: 17DR0037						Contractor's Job No: 99				Spud Date Time: 16-Feb-2017				17:00				Signature of Operator's Representative: Mike Maddison				Signature of Contractor's Rig Manager: Marc Raymond				<input type="checkbox"/>							



Code	Hours																									TOTAL		FUEL @ 08:00 HRS	
	Rig Up	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Logs	Run Cag & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	5.98	2875		
Tour 1							0.25							2.00	4.00											8.00	14750	3500	
Tour 2	5.75					1.25	0.25	0.75													3.25	0.75				12.00	05:00	-5	
Tour 3	3.00						0.25														0.50	0.25				4.00	05:00	-5	
TOTAL	8.75					1.25	0.75	0.75						2.00	4.00						4.75	1.75				24.00	14750	3500	

TOUR 1 SIGNATURE OF DRILLER: Josh Gilbert START TIME: 0:00 END TIME: 8:00

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG						
Bit Number: 3	Size: 200	No:	Component:	OD:	ID:	Length:	Mud Type:	Water:	Oil:	Other:	Time:	Depth:	Deviation:	Direction:	Type:	From:	To:	Elapsed:	Code:	Details Of Operations In Sequence & Remarks:
IADC Code:	Manufacturer: HALLIBURTON	Mud Type: Water					Time: 15:45 16:00 16:30 16:45 17:00 17:15				From: 15:45 To: 17:15				Remarks: INSPECT BRAKES,PINS,TONGS,ELEVATORS,SLINGS,NUBBINS, TOP DRIVE FUNCTION UPPER AND LOWER LIMITS/STOPS,E-STOP					
Type: MM65DM	Serial No: 12861980	Mud Type: Other: brine					Density: 1.200				To: 17:15									
Jct: 8.7 8.7 8.7	Jct: 8.7 8.7	Mud Type: Other: brine					Funnel Viscosity: 1200				To: 17:15									
Depth Out (m): 620.00	Total Drilled (m): 620.00	Mud Type: Other: brine					Fluid Loss: 1200				To: 17:15									
Cumulative Hrs Run: 0.00	Entry Date: 19-Feb-2017	Mud Type: Other: brine					pH: 12.00				To: 17:15									
CUTTING STRUCTURE		Mud Type: Other: brine					Location Of Sample: 1200				To: 17:15									
METRES DRILLED		Mud Type: Other: brine					Depth: 1200				To: 17:15									
HOLE CONDITION		Mud Type: Other: brine					PVT: 1200				To: 17:15									
REDUCED PUMP SPEED		Mud Type: Other: brine					Circulation: 1200				To: 17:15									
BOILER		Mud Type: Other: brine					MUD MATERIALS ADDED				To: 17:15									

TOUR 2 SIGNATURE OF DRILLER: John Kennedy START TIME: 8:00 END TIME: 20:00

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG						
Bit Number: 3	Size: 200	No:	Component:	OD:	ID:	Length:	Mud Type:	Water:	Oil:	Other:	Time:	Depth:	Deviation:	Direction:	Type:	From:	To:	Elapsed:	Code:	Details Of Operations In Sequence & Remarks:
IADC Code:	Manufacturer: HALLIBURTON	Mud Type: Water					Time: 15:45 16:00 16:30 16:45 17:00 17:15				From: 15:45 To: 17:15				Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER					
Type: MM65DM	Serial No: 12861980	Mud Type: Other: BRINE					Density: 1.200				To: 17:15									
Jct: 8.7 8.7 8.7	Jct: 8.7 8.7	Mud Type: Other: BRINE					Funnel Viscosity: 1200				To: 17:15									
Depth Out (m): 890.00	Total Drilled (m): 890.00	Mud Type: Other: BRINE					Fluid Loss: 1200				To: 17:15									
Cumulative Hrs Run: 4.50	Entry Date: 19-Feb-2017	Mud Type: Other: BRINE					pH: 12.00				To: 17:15									
CUTTING STRUCTURE		Mud Type: Other: BRINE					Location Of Sample: 1200				To: 17:15									
METRES DRILLED		Mud Type: Other: BRINE					Depth: 1200				To: 17:15									
HOLE CONDITION		Mud Type: Other: BRINE					PVT: 1200				To: 17:15									
REDUCED PUMP SPEED		Mud Type: Other: BRINE					Circulation: 1200				To: 17:15									
BOILER		Mud Type: Other: BRINE					MUD MATERIALS ADDED				To: 17:15									

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: 3	Size: 200	No:	Component:	OD:	ID:	Length:	Mud Type:	Water:	Oil:	Other:	Time:	Depth:	Deviation:	Direction:	Type:	From:	To:	Elapsed:	Code:	Details Of Operations In Sequence & Remarks:
IADC Code:	Manufacturer: HALLIBURTON	Mud Type: Water					Time: 15:45 16:00 16:30 16:45 17:00 17:15				From: 15:45 To: 17:15				Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZARD ID: PIN SECURING MUDTANK STAIRS IN PLACE WAS BACKWARDS CREATING A TRIPPING HAZARD. PUT IT IN PROPERLY					
Type: MM65DM	Serial No: 12861980	Mud Type: Other: water					Density: 1.200				To: 17:15									
Jct: 8.7 8.7 8.7	Jct: 8.7 8.7	Mud Type: Other: water					Funnel Viscosity: 1200				To: 17:15									
Depth Out (m): 1007.00	Total Drilled (m): 1007.00	Mud Type: Other: water					Fluid Loss: 1200				To: 17:15									
Cumulative Hrs Run: 7.50	Entry Date: 19-Feb-2017	Mud Type: Other: water					pH: 12.00				To: 17:15									
CUTTING STRUCTURE		Mud Type: Other: water					Location Of Sample: 1200				To: 17:15									
METRES DRILLED		Mud Type: Other: water					Depth: 1200				To: 17:15									
HOLE CONDITION		Mud Type: Other: water					PVT: 1200				To: 17:15									
REDUCED PUMP SPEED		Mud Type: Other: water					Circulation: 1200				To: 17:15									
BOILER		Mud Type: Other: water					MUD MATERIALS ADDED				To: 17:15									

FRONT PAGE SUMMARY

Table containing project details: Tour Sheet Serial Number (PREC529 20170219 1A), Vendor Software Version (RMS 2016.8.30.38074), License No (032618), Well Name (ARCREZ HZ INGA B13-26-84-24), Surface Location (13b-26-84-24 W6), Well Type (DLS), and Well ID (100/09-23-084-24W6/00).

Table containing company information: Company Name (ARC Resources Ltd.), Division (Precision Drilling, div of PDC), Contractor (99), and Spud Date Time (16-Feb-2017 17:00).

Logos for CAODC and NOW, along with a list of daily checks (1-7) and safety protocols.

Hourly log table with columns for Code (1-25), Rigs (1-5), Drilling (1-5), Reaming (1-5), Coring (1-5), Mud (1-5), Trips (1-5), Repairs (1-5), Cut Off (1-5), Dev (1-5), Wireline (1-5), Run Csg (1-5), Wait On (1-5), Nipple (1-5), Test (1-5), Drillstem (1-5), Plug (1-5), Squeeze (1-5), Fishing (1-5), Dir (1-5), Safety (1-5), Tear (1-5), Waiting (1-5), Rig (1-5), Other (1-5), and Totals.

Summary statistics table: Kelly Blocking (5.98), Top Fuel (2875), Fuel @ 08:00 HRS (14750), Time (05:00), Temp (-5), LIGHT SNOW, Wind Direction (N), Wind Strength (UP TO 19 KM/H), WEATHER (FAIR).

TOUR 1 SIGNATURE OF DRILLER Josh Gilbert START TIME 0:00 END TIME 8:00

TOUR 1 detailed log section including: BITS (3, size 200, HALLIBURTON MM65DM, serial 12861980), DRILLING ASSEMBLY (1 200MM BIT, 1 6.5" STG, 1 NON MAG PONY MONEL, 1 6.5" NONMAG MONEL, 1 6.5" GAP SUB, 1 6.5" NONMAG MONEL, 1 6.5" HYDMECH JARS, 1 XSD SUB, 1 4.5" HWDP), MUD RECORD (Water, Oil, Brine), DEVIATION SURVEYS (Time, Depth, Deviation, Direction, Type), TIME LOG (From, To, Elapsed, Code), CUTTING STRUCTURE (TO, MDC, LDC, BRS), 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 #, Pressure, Strokes/min, Depth), BOILER (BoilerNo, HoursRun, pH, StackTemp), SAFETY (Safety Topic, MEHL, MACP), PRESSURE TESTING (15, 0, MEHL, MACP).

TOUR 2 SIGNATURE OF DRILLER John Kennedy START TIME 8:00 END TIME 20:00

TOUR 2 detailed log section including: BITS (3, size 200, HALLIBURTON MM65DM, serial 12861980), DRILLING ASSEMBLY (1 200MM BIT, 1 6.5" STG, 1 NON MAG PONY MONEL, 1 6.5" NONMAG MONEL, 1 6.5" GAP SUB, 1 6.5" NONMAG MONEL, 1 6.5" HYDMECH JARS, 1 XSD SUB, 1 4.5" HWDP), MUD RECORD (Water, Oil, Brine), DEVIATION SURVEYS (Time, Depth, Deviation, Direction, Type), TIME LOG (From, To, Elapsed, Code), CUTTING STRUCTURE (TO, MDC, LDC, BRS), 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 #, Pressure, Strokes/min, Depth), BOILER (BoilerNo, HoursRun, pH, StackTemp), SAFETY (Safety Topic, MEHL, MACP), DIRECTIONAL BHA (50, 3744, MEHL, MACP).

TOUR 3 SIGNATURE OF DRILLER Josh Gilbert START TIME 20:00 END TIME 24:00

TOUR 3 detailed log section including: BITS (3, size 200, HALLIBURTON MM65DM, serial 12861980), DRILLING ASSEMBLY (1 200MM BIT, 1 6.5" STG, 1 NON MAG PONY MONEL, 1 6.5" NONMAG MONEL, 1 6.5" GAP SUB, 1 6.5" NONMAG MONEL, 1 6.5" HYDMECH JARS, 1 XSD SUB, 1 4.5" HWDP), MUD RECORD (Water, Oil, Brine), DEVIATION SURVEYS (Time, Depth, Deviation, Direction, Type), TIME LOG (From, To, Elapsed, Code), CUTTING STRUCTURE (TO, MDC, LDC, BRS), 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 #, Pressure, Strokes/min, Depth), BOILER (BoilerNo, HoursRun, pH, StackTemp), SAFETY (Safety Topic, MEHL, MACP), MOUSEHOLE CONNECTIONS (49, 1230, MEHL, MACP).

FRONT PAGE SUMMARY				Tour Sheet Serial Number	Vendor Software Version	Year	Month	Day	DAILY CHECKS							OP	RM		
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	PREC259 20170220 1A		RMS 2016.8.30.38074	2017	02	20	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weelity (Using Check List) (3) H2S Signs Posted If Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/week/month) (9) CAODC Rig Safety Inspection Checklist (once/week/month) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked							MMA	MSS			
Compressor Precision Drilling, div of PDC				Plow	BC	Lo Type	DLS	Unique Well ID	100/09-23-084-24W6/00							Re Entry			
Contractor's Job No 99				Rig No	529	Well Type	HORIZ	Squad Date Time	16-Feb-2017							17:00			
Signature of Operator's Representative Mike Maddison				Signature of Contractor's Rig Manager Marc Raymond															



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	Other	TOTAL	FUEL @ 08:00 HRS	WELL	
Tour 1		6.00						0.25													1.50	0.25					8.00	26375	6	04:15
Tour 2		4.75			6.25		0.25														0.25	0.50					12.00		-5	PARTLY CLOUDY
Tour 3		3.25					0.25														0.50						4.00			WIND STRENGTH UP TO 19 KM/H
TOTAL		14.00			6.25		0.75														2.25	0.75					24.00			WEATHER FAIR

TOUR	1	SIGNATURE OF DRILLER	Josh Gilbert	START TIME	0:00	END TIME	8:00
------	---	----------------------	--------------	------------	------	----------	------

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	Details Of Operations In Sequence & Remarks																																																																																																																																																							
					From	To																																																																																																																																																						
Bit Number: 3 Size: 200 IADC Code: Manufacturer: HALLIBURTON Type: MM65DM Serial No: 12861980 JMS: 8.7 8.7 8.7 Depth Out (m): 1206.00 Depth In (m): 620.00 Total Drilled (m): 586.00 Hrs Run Today: 6.00 Cumulative Hrs Run: 13.50 Entry Date: 19-Feb-2017	<table border="1"> <tr><th>No</th><th>Component</th><th>OD</th><th>ID</th><th>Length</th></tr> <tr><td>1</td><td>6.5" Sealoff/B 5.0 STD</td><td>189</td><td>72</td><td>8.90</td></tr> <tr><td>1</td><td>NON MAG PONY MONEL</td><td>167</td><td>72</td><td>1.52</td></tr> <tr><td>1</td><td>6.5" NONMAG MONEL</td><td>165</td><td>72</td><td>9.39</td></tr> <tr><td>1</td><td>6.5" GAP SUB</td><td>164</td><td>71</td><td>1.60</td></tr> <tr><td>2</td><td>6.5" NONMAG MONEL</td><td>165</td><td>72</td><td>18.53</td></tr> <tr><td>1</td><td>6.5" HYDMECH JARS</td><td>165</td><td>71</td><td>5.44</td></tr> <tr><td>1</td><td>XJO SUB 4.5 IN. PTFE</td><td>155</td><td>72</td><td>0.87</td></tr> <tr><td>37</td><td>4.5" HWDP</td><td>114</td><td>73</td><td>36.32</td></tr> </table>	No	Component	OD	ID	Length	1	6.5" Sealoff/B 5.0 STD	189	72	8.90	1	NON MAG PONY MONEL	167	72	1.52	1	6.5" NONMAG MONEL	165	72	9.39	1	6.5" GAP SUB	164	71	1.60	2	6.5" NONMAG MONEL	165	72	18.53	1	6.5" HYDMECH JARS	165	71	5.44	1	XJO SUB 4.5 IN. PTFE	155	72	0.87	37	4.5" HWDP	114	73	36.32	<table border="1"> <tr><th>Mud Type</th><th>Water</th><th>Oil</th></tr> <tr><td></td><td></td><td>brine</td></tr> <tr><td>Time</td><td>02:00</td><td>05:15</td></tr> <tr><td>Density</td><td>1210</td><td>1210</td></tr> <tr><td>Funnel Viscosity</td><td>30</td><td>30</td></tr> <tr><td>Fluid Loss</td><td></td><td></td></tr> <tr><td>pH</td><td>10.5</td><td>10.5</td></tr> <tr><td>Location Of Sample</td><td>SUCTION</td><td>SUCTION</td></tr> <tr><td>Depth</td><td></td><td></td></tr> <tr><td>PVT</td><td></td><td></td></tr> <tr><td>Circulation</td><td></td><td></td></tr> <tr><td>Pump #</td><td>Type</td><td>Line Size</td><td>SPM</td><td>Pressure</td><td>Hrs Run</td></tr> <tr><td>1</td><td>PARALLEL</td><td>127</td><td>84</td><td>10000</td><td>6.00</td></tr> <tr><td>2</td><td>PARALLEL</td><td>127</td><td>84</td><td>10000</td><td>6.00</td></tr> </table>	Mud Type	Water	Oil			brine	Time	02:00	05:15	Density	1210	1210	Funnel Viscosity	30	30	Fluid Loss			pH	10.5	10.5	Location Of Sample	SUCTION	SUCTION	Depth			PVT			Circulation			Pump #	Type	Line Size	SPM	Pressure	Hrs Run	1	PARALLEL	127	84	10000	6.00	2	PARALLEL	127	84	10000	6.00	<table border="1"> <tr><th>Time</th><th>Depth</th><th>Deviation</th><th>Direction</th><th>Type</th></tr> <tr><td>00:15</td><td>991.38</td><td>0.30</td><td>254.4</td><td></td></tr> <tr><td>01:15</td><td>1020.63</td><td>0.90</td><td>39.8</td><td></td></tr> <tr><td>02:45</td><td>1049.88</td><td>0.90</td><td>8.5</td><td></td></tr> <tr><td>04:00</td><td>1079.13</td><td>0.80</td><td>10.4</td><td></td></tr> <tr><td>05:00</td><td>1108.38</td><td>0.90</td><td>26.3</td><td></td></tr> <tr><td>06:15</td><td>1137.63</td><td>0.80</td><td>7.1</td><td></td></tr> </table>	Time	Depth	Deviation	Direction	Type	00:15	991.38	0.30	254.4		01:15	1020.63	0.90	39.8		02:45	1049.88	0.90	8.5		04:00	1079.13	0.80	10.4		05:00	1108.38	0.90	26.3		06:15	1137.63	0.80	7.1		<table border="1"> <tr><th>From</th><th>To</th><th>Elapsed</th><th>Code</th></tr> <tr><td>6:00</td><td>6:00</td><td>6:00</td><td>2</td></tr> <tr><td>6:00</td><td>7:30</td><td>1:50</td><td>20A</td></tr> <tr><td>7:30</td><td>7:45</td><td>0:25</td><td>7</td></tr> <tr><td>7:45</td><td>8:00</td><td>0:25</td><td>21</td></tr> </table>	From	To	Elapsed	Code	6:00	6:00	6:00	2	6:00	7:30	1:50	20A	7:30	7:45	0:25	7	7:45	8:00	0:25	21	DRILL 200mm HOLE FROM 1007M - 1206M DIRECTIONAL SURVEYS RIG SERVICE/ANNULAR/22 SEC TO CLOSE SAFETY MEETING/CREW CHANGE MEETING
No	Component	OD	ID	Length																																																																																																																																																								
1	6.5" Sealoff/B 5.0 STD	189	72	8.90																																																																																																																																																								
1	NON MAG PONY MONEL	167	72	1.52																																																																																																																																																								
1	6.5" NONMAG MONEL	165	72	9.39																																																																																																																																																								
1	6.5" GAP SUB	164	71	1.60																																																																																																																																																								
2	6.5" NONMAG MONEL	165	72	18.53																																																																																																																																																								
1	6.5" HYDMECH JARS	165	71	5.44																																																																																																																																																								
1	XJO SUB 4.5 IN. PTFE	155	72	0.87																																																																																																																																																								
37	4.5" HWDP	114	73	36.32																																																																																																																																																								
Mud Type	Water	Oil																																																																																																																																																										
		brine																																																																																																																																																										
Time	02:00	05:15																																																																																																																																																										
Density	1210	1210																																																																																																																																																										
Funnel Viscosity	30	30																																																																																																																																																										
Fluid Loss																																																																																																																																																												
pH	10.5	10.5																																																																																																																																																										
Location Of Sample	SUCTION	SUCTION																																																																																																																																																										
Depth																																																																																																																																																												
PVT																																																																																																																																																												
Circulation																																																																																																																																																												
Pump #	Type	Line Size	SPM	Pressure	Hrs Run																																																																																																																																																							
1	PARALLEL	127	84	10000	6.00																																																																																																																																																							
2	PARALLEL	127	84	10000	6.00																																																																																																																																																							
Time	Depth	Deviation	Direction	Type																																																																																																																																																								
00:15	991.38	0.30	254.4																																																																																																																																																									
01:15	1020.63	0.90	39.8																																																																																																																																																									
02:45	1049.88	0.90	8.5																																																																																																																																																									
04:00	1079.13	0.80	10.4																																																																																																																																																									
05:00	1108.38	0.90	26.3																																																																																																																																																									
06:15	1137.63	0.80	7.1																																																																																																																																																									
From	To	Elapsed	Code																																																																																																																																																									
6:00	6:00	6:00	2																																																																																																																																																									
6:00	7:30	1:50	20A																																																																																																																																																									
7:30	7:45	0:25	7																																																																																																																																																									
7:45	8:00	0:25	21																																																																																																																																																									

TOUR	2	SIGNATURE OF DRILLER	John Kennedy	START TIME	8:00	END TIME	20:00
------	---	----------------------	--------------	------------	------	----------	-------

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	Details Of Operations In Sequence & Remarks																																																																																																																																																									
					From	To																																																																																																																																																								
Bit Number: 3 Size: 200 IADC Code: Manufacturer: HALLIBURTON Type: MM65DM Serial No: 12861980 JMS: 8.7 8.7 8.7 Depth Out (m): 1317.00 Depth In (m): 620.00 Total Drilled (m): 697.00 Hrs Run Today: 4.75 Cumulative Hrs Run: 18.25 Entry Date: 19-Feb-2017	<table border="1"> <tr><th>No</th><th>Component</th><th>OD</th><th>ID</th><th>Length</th></tr> <tr><td>1</td><td>6.5" Sealoff/B 5.0 STD</td><td>189</td><td>72</td><td>8.90</td></tr> <tr><td>1</td><td>NON MAG PONY MONEL</td><td>167</td><td>72</td><td>1.52</td></tr> <tr><td>1</td><td>6.5" NONMAG MONEL</td><td>165</td><td>72</td><td>9.39</td></tr> <tr><td>1</td><td>6.5" GAP SUB</td><td>164</td><td>71</td><td>1.60</td></tr> <tr><td>2</td><td>6.5" NONMAG MONEL</td><td>165</td><td>72</td><td>18.53</td></tr> <tr><td>1</td><td>6.5" HYDMECH JARS</td><td>165</td><td>71</td><td>5.44</td></tr> <tr><td>1</td><td>XJO SUB 4.5 IN. PTFE</td><td>155</td><td>72</td><td>0.87</td></tr> <tr><td>37</td><td>4.5" HWDP</td><td>114</td><td>73</td><td>36.32</td></tr> </table>	No	Component	OD	ID	Length	1	6.5" Sealoff/B 5.0 STD	189	72	8.90	1	NON MAG PONY MONEL	167	72	1.52	1	6.5" NONMAG MONEL	165	72	9.39	1	6.5" GAP SUB	164	71	1.60	2	6.5" NONMAG MONEL	165	72	18.53	1	6.5" HYDMECH JARS	165	71	5.44	1	XJO SUB 4.5 IN. PTFE	155	72	0.87	37	4.5" HWDP	114	73	36.32	<table border="1"> <tr><th>Mud Type</th><th>Water</th><th>Oil</th></tr> <tr><td></td><td></td><td>BRINE</td></tr> <tr><td>Time</td><td>14:45</td><td>18:15</td></tr> <tr><td>Density</td><td>1240</td><td>1250</td></tr> <tr><td>Funnel Viscosity</td><td>30</td><td>30</td></tr> <tr><td>Fluid Loss</td><td></td><td></td></tr> <tr><td>pH</td><td>11</td><td>11</td></tr> <tr><td>Location Of Sample</td><td>SHAKERS</td><td>SHAKERS</td></tr> <tr><td>Depth</td><td>1280.00</td><td>1290.00</td></tr> <tr><td>PVT</td><td>46</td><td>74</td></tr> <tr><td>Circulation</td><td></td><td></td></tr> <tr><td>Pump #</td><td>Type</td><td>Line Size</td><td>SPM</td><td>Pressure</td><td>Hrs Run</td></tr> <tr><td>1</td><td>PARALLEL</td><td>127</td><td>95</td><td>11000</td><td>12.00</td></tr> <tr><td>2</td><td>PARALLEL</td><td>127</td><td>95</td><td>11000</td><td>12.00</td></tr> </table>	Mud Type	Water	Oil			BRINE	Time	14:45	18:15	Density	1240	1250	Funnel Viscosity	30	30	Fluid Loss			pH	11	11	Location Of Sample	SHAKERS	SHAKERS	Depth	1280.00	1290.00	PVT	46	74	Circulation			Pump #	Type	Line Size	SPM	Pressure	Hrs Run	1	PARALLEL	127	95	11000	12.00	2	PARALLEL	127	95	11000	12.00	<table border="1"> <tr><th>Time</th><th>Depth</th><th>Deviation</th><th>Direction</th><th>Type</th></tr> <tr><td>08:15</td><td>1196.13</td><td>0.90</td><td>38.5</td><td></td></tr> <tr><td>09:00</td><td>1225.38</td><td>0.90</td><td>23.6</td><td></td></tr> <tr><td>10:15</td><td>1254.63</td><td>1.00</td><td>356.5</td><td></td></tr> <tr><td>19:00</td><td>1283.88</td><td>0.60</td><td>25.4</td><td></td></tr> </table>	Time	Depth	Deviation	Direction	Type	08:15	1196.13	0.90	38.5		09:00	1225.38	0.90	23.6		10:15	1254.63	1.00	356.5		19:00	1283.88	0.60	25.4		<table border="1"> <tr><th>From</th><th>To</th><th>Elapsed</th><th>Code</th></tr> <tr><td>8:00</td><td>10:30</td><td>2:50</td><td>2</td></tr> <tr><td>10:30</td><td>10:45</td><td>0:25</td><td>21A</td></tr> <tr><td>10:45</td><td>11:00</td><td>0:25</td><td>7</td></tr> <tr><td>11:00</td><td>17:15</td><td>6:25</td><td>5</td></tr> <tr><td>17:15</td><td>19:30</td><td>2:25</td><td>2</td></tr> <tr><td>19:30</td><td>19:45</td><td>0:25</td><td>20A</td></tr> <tr><td>19:45</td><td>20:00</td><td>0:25</td><td>21</td></tr> </table>	From	To	Elapsed	Code	8:00	10:30	2:50	2	10:30	10:45	0:25	21A	10:45	11:00	0:25	7	11:00	17:15	6:25	5	17:15	19:30	2:25	2	19:30	19:45	0:25	20A	19:45	20:00	0:25	21	DRILL 200mm HOLE FROM 1206M - 1280M SOUR BOP / MAN DOWN DRILL, WIND DIRECTION, LIGHT BAR, REPORT TO MUSTER, HEAD COUNT, PACK UP, PRACTICE SEARCH ROUTE RIG SERVICE / FUNCTION UPPER PIPE RAMS 4 SEC TO C/O CONDITION MUD & CIRCULATE / WAIT ON HEAVY BRINE DRILL 200mm HOLE FROM 1280M - 1317M DIRECTIONAL SURVEYS / CONNECTIONS CREW CHANGE HANDOVER MEETING
No	Component	OD	ID	Length																																																																																																																																																										
1	6.5" Sealoff/B 5.0 STD	189	72	8.90																																																																																																																																																										
1	NON MAG PONY MONEL	167	72	1.52																																																																																																																																																										
1	6.5" NONMAG MONEL	165	72	9.39																																																																																																																																																										
1	6.5" GAP SUB	164	71	1.60																																																																																																																																																										
2	6.5" NONMAG MONEL	165	72	18.53																																																																																																																																																										
1	6.5" HYDMECH JARS	165	71	5.44																																																																																																																																																										
1	XJO SUB 4.5 IN. PTFE	155	72	0.87																																																																																																																																																										
37	4.5" HWDP	114	73	36.32																																																																																																																																																										
Mud Type	Water	Oil																																																																																																																																																												
		BRINE																																																																																																																																																												
Time	14:45	18:15																																																																																																																																																												
Density	1240	1250																																																																																																																																																												
Funnel Viscosity	30	30																																																																																																																																																												
Fluid Loss																																																																																																																																																														
pH	11	11																																																																																																																																																												
Location Of Sample	SHAKERS	SHAKERS																																																																																																																																																												
Depth	1280.00	1290.00																																																																																																																																																												
PVT	46	74																																																																																																																																																												
Circulation																																																																																																																																																														
Pump #	Type	Line Size	SPM	Pressure	Hrs Run																																																																																																																																																									
1	PARALLEL	127	95	11000	12.00																																																																																																																																																									
2	PARALLEL	127	95	11000	12.00																																																																																																																																																									
Time	Depth	Deviation	Direction	Type																																																																																																																																																										
08:15	1196.13	0.90	38.5																																																																																																																																																											
09:00	1225.38	0.90	23.6																																																																																																																																																											
10:15	1254.63	1.00	356.5																																																																																																																																																											
19:00	1283.88	0.60	25.4																																																																																																																																																											
From	To	Elapsed	Code																																																																																																																																																											
8:00	10:30	2:50	2																																																																																																																																																											
10:30	10:45	0:25	21A																																																																																																																																																											
10:45	11:00	0:25	7																																																																																																																																																											
11:00	17:15	6:25	5																																																																																																																																																											
17:15	19:30	2:25	2																																																																																																																																																											
19:30	19:45	0:25	20A																																																																																																																																																											
19:45	20:00	0:25	21																																																																																																																																																											

TOUR	3	SIGNATURE OF DRILLER	Josh Gilbert	START TIME	20:00	END TIME	24:00
------	---	----------------------	--------------	------------	-------	----------	-------

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	Details Of Operations In Sequence & Remarks																																																																																																																															
					From	To																																																																																																																														
Bit Number: 3 Size: 200 IADC Code: Manufacturer: HALLIBURTON Type: MM65DM Serial No: 12861980 JMS: 8.7 8.7 8.7 Depth Out (m): 1382.00 Depth In (m): 620.00 Total Drilled (m): 762.00 Hrs Run Today: 3.25 Cumulative Hrs Run: 21.50 Entry Date: 19-Feb-2017	<table border="1"> <tr><th>No</th><th>Component</th><th>OD</th><th>ID</th><th>Length</th></tr> <tr><td>1</td><td>6.5" Sealoff/B 5.0 STD</td><td>189</td><td>72</td><td>8.90</td></tr> <tr><td>1</td><td>NON MAG PONY MONEL</td><td>167</td><td>72</td><td>1.52</td></tr> <tr><td>1</td><td>6.5" NONMAG MONEL</td><td>165</td><td>72</td><td>9.39</td></tr> <tr><td>1</td><td>6.5" GAP SUB</td><td>164</td><td>71</td><td>1.60</td></tr> <tr><td>2</td><td>6.5" NONMAG MONEL</td><td>165</td><td>72</td><td>18.53</td></tr> <tr><td>1</td><td>6.5" HYDMECH JARS</td><td>165</td><td>71</td><td>5.44</td></tr> <tr><td>1</td><td>XJO SUB 4.5 IN. PTFE</td><td>155</td><td>72</td><td>0.87</td></tr> <tr><td>37</td><td>4.5" HWDP</td><td>114</td><td>73</td><td>36.32</td></tr> </table>	No	Component	OD	ID	Length	1	6.5" Sealoff/B 5.0 STD	189	72	8.90	1	NON MAG PONY MONEL	167	72	1.52	1	6.5" NONMAG MONEL	165	72	9.39	1	6.5" GAP SUB	164	71	1.60	2	6.5" NONMAG MONEL	165	72	18.53	1	6.5" HYDMECH JARS	165	71	5.44	1	XJO SUB 4.5 IN. PTFE	155	72	0.87	37	4.5" HWDP	114	73	36.32	<table border="1"> <tr><th>Mud Type</th><th>Water</th><th>Oil</th></tr> <tr><td></td><td></td><td>BRINE</td></tr> <tr><td>Time</td><td>20:00</td><td>23:15</td></tr> <tr><td>Density</td><td>1255</td><td>1275</td></tr> <tr><td>Funnel Viscosity</td><td>30</td><td>30</td></tr> <tr><td>Fluid Loss</td><td></td><td></td></tr> <tr><td>pH</td><td>10.5</td><td>10.5</td></tr> <tr><td>Location Of Sample</td><td>SUCTION</td><td>SUCTION</td></tr> <tr><td>Depth</td><td></td><td></td></tr> <tr><td>PVT</td><td></td><td></td></tr> <tr><td>Circulation</td><td></td><td></td></tr> <tr><td>Pump #</td><td>Type</td><td>Line Size</td><td>SPM</td><td>Pressure</td><td>Hrs Run</td></tr> <tr><td>1</td><td>PARALLEL</td><td>127</td><td>85</td><td>13000</td><td>4.00</td></tr> <tr><td>2</td><td>PARALLEL</td><td>127</td><td>85</td><td>13000</td><td>4.00</td></tr> </table>	Mud Type	Water	Oil			BRINE	Time	20:00	23:15	Density	1255	1275	Funnel Viscosity	30	30	Fluid Loss			pH	10.5	10.5	Location Of Sample	SUCTION	SUCTION	Depth			PVT			Circulation			Pump #	Type	Line Size	SPM	Pressure	Hrs Run	1	PARALLEL	127	85	13000	4.00	2	PARALLEL	127	85	13000	4.00	<table border="1"> <tr><th>Time</th><th>Depth</th><th>Deviation</th><th>Direction</th><th>Type</th></tr> <tr><td>20:30</td><td>1313.13</td><td>0.30</td><td>2.2</td><td></td></tr> <tr><td>22:30</td><td>1342.38</td><td>0.40</td><td>18.4</td><td></td></tr> </table>	Time	Depth	Deviation	Direction	Type	20:30	1313.13	0.30	2.2		22:30	1342.38	0.40	18.4		<table border="1"> <tr><th>From</th><th>To</th><th>Elapsed</th><th>Code</th></tr> <tr><td>20:00</td><td>23:15</td><td>3:25</td><td>2</td></tr> <tr><td>23:15</td><td>23:45</td><td>0:50</td><td>20A</td></tr> <tr><td>23:45</td><td>24:00</td><td>0:25</td><td>7</td></tr> </table>	From	To	Elapsed	Code	20:00	23:15	3:25	2	23:15	23:45	0:50	20A	23:45	24:00	0:25	7	DRILL 200mm HOLE FROM 1317M-1380M. DIRECTIONAL SURVEYS RIG SERVICE/LOWER PIPE RAMS/ 4 SEC TO CLOSE
No	Component	OD	ID	Length																																																																																																																																
1	6.5" Sealoff/B 5.0 STD	189	72	8.90																																																																																																																																
1	NON MAG PONY MONEL	167	72	1.52																																																																																																																																
1	6.5" NONMAG MONEL	165	72	9.39																																																																																																																																
1	6.5" GAP SUB	164	71	1.60																																																																																																																																
2	6.5" NONMAG MONEL	165	72	18.53																																																																																																																																
1	6.5" HYDMECH JARS	165	71	5.44																																																																																																																																
1	XJO SUB 4.5 IN. PTFE	155	72	0.87																																																																																																																																
37	4.5" HWDP	114	73	36.32																																																																																																																																
Mud Type	Water	Oil																																																																																																																																		
		BRINE																																																																																																																																		
Time	20:00	23:15																																																																																																																																		
Density	1255	1275																																																																																																																																		
Funnel Viscosity	30	30																																																																																																																																		
Fluid Loss																																																																																																																																				
pH	10.5	10.5																																																																																																																																		
Location Of Sample	SUCTION	SUCTION																																																																																																																																		
Depth																																																																																																																																				
PVT																																																																																																																																				
Circulation																																																																																																																																				
Pump #	Type	Line Size	SPM	Pressure	Hrs Run																																																																																																																															
1	PARALLEL	127	85	13000	4.00																																																																																																																															
2	PARALLEL	127	85	13000	4.00																																																																																																																															
Time	Depth	Deviation	Direction	Type																																																																																																																																
20:30	1313.13	0.30	2.2																																																																																																																																	
22:30	1342.38	0.40	18.4																																																																																																																																	
From	To	Elapsed	Code																																																																																																																																	
20:00	23:15	3:25	2																																																																																																																																	
23:15	23:45	0:50	20A																																																																																																																																	
23:45	24:00	0:25	7																																																																																																																																	

TOUR	3	SIGNATURE OF DRILLER	Josh Gilbert	START TIME	20:00	END TIME	24:00
------	---	----------------------	--------------	------------	-------	----------	-------

FRONT PAGE SUMMARY										DAILY CHECKS																																																																																																																																																							
Tour Sheet Serial Number PREC259 20170220 1A					Vendor Software Version RMS 2016.8.30.38074					Year 2017		Month 02		Day 20		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Postcard If Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Scaled (6) BOP Tests Performed (7) Visually Inspected BOPs-Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (on/ack/rew/moth) (9) CAADC Rig Safety Inspection Checklist (on/ack/rew/moth) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Vibs Checked																																																																																																																																																	
License No 032618					Well Name ARCRES HZ INGA B13-26-84-24					Surface Location 13b-26-84-24 W6					Pro BC		Loc Type DLS		Unique Well Id 100/09-23-084-24W6/00		OP RM		 																																																																																																																																										
Contractor ARC Resources Ltd.					Precision Drilling, div of PDC					Company Job No 99					Rig No 529					Well Type HORIZ					Re Entry <input type="checkbox"/>																																																																																																																																								
Contractor's PSE 17DR0037					Signature of Operator's Representative Mike Maddison					Signature of Contractor's Rig Manager Marc Raymond					Spud Date Time 16-Feb-2017					Rig Release Date Time 17:00																																																																																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> <th>19</th> <th>20</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>TOTAL</th> <th>Other</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">HOURS</td> <td>Tour 1</td> <td>6.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.00</td> <td></td> </tr> <tr> <td>Tour 2</td> <td>4.75</td> <td></td> <td></td> <td>6.25</td> <td></td> <td></td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12.00</td> <td></td> </tr> <tr> <td>Tour 3</td> <td>3.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4.00</td> <td></td> </tr> <tr> <td>TOTAL</td> <td>14.00</td> <td></td> <td></td> <td>6.25</td> <td></td> <td></td> <td>0.75</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>24.00</td> <td></td> </tr> </tbody> </table>																									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	Other	HOURS	Tour 1	6.00																								8.00		Tour 2	4.75			6.25			0.25																		12.00		Tour 3	3.25						0.25																		4.00		TOTAL	14.00			6.25			0.75																		24.00	
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	Other																																																																																																																																						
HOURS	Tour 1	6.00																								8.00																																																																																																																																							
	Tour 2	4.75			6.25			0.25																		12.00																																																																																																																																							
	Tour 3	3.25						0.25																		4.00																																																																																																																																							
	TOTAL	14.00			6.25			0.75																		24.00																																																																																																																																							
TOUR 1 SIGNATURE OF DRILLER Josh Gilbert										START TIME 0:00 END TIME 8:00																																																																																																																																																							

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number 3 Size 200 IADC Code Manufacturer HALLIBURTON Type MM65DM Serial No 12861980 JMS 8.7 8.7 8.7 8.7 Depth Out (m) 1206.00 Depth In (m) 620.00 Total Drilled (m) 586.00 Hrs Run Today 6.00 Cumulative Hrs Run 13.50 Entry Date 19-Feb-2017										No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5\" Sealoff/8 5.8 STG 189 72 8.90 1 NON MAG PONY MONEL 167 72 1.52 1 6.5\" NONMAG MONEL 165 72 9.39 1 6.5\" GAP SUB 164 71 1.60 2 6.5\" NONMAG MONEL 165 72 18.53 1 6.5\" HYDMECH JARS 165 71 5.44 1 XJD SUB 4.5 XM - FT43 155 72 0.87 37 4.5\" HWDP 114 73 363.32										Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other brine Time 07:15 Density 1210 Funnel Viscosity 30 Fluid Loss pH 10.5 Location Of Sample SHAKERS Depth 1182.00 PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 84 10000 6.00 2 PARALLEL 127 84 10000 6.00										Time Depth Deviation Direction Type 07:30 1166.88 0.70 23.2										From To Elapsed Code Details Of Operations In Sequence & Remarks SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Centrifuge #1 12.00 1230 1210 1900 MUD MATERIALS ADDED Product Amount Type Remarks INSPECT BRAKES, PINS, TONGS, ELEVATORS, SLINGS, NUBBINS, TOP DRIVE FUNCTION UPPER AND LOWER LIMITS/STOPS, E-STOP INSPECT FLARE/DEGASSER LINE/CHOKE LINES/ FUNCTION IGNITER/INSPECT MONKEYBOARD SRL									
CUTTING STRUCTURE										HOLE CONDITION										REDUCED PUMP SPEED										BOILER										SAFETY									
TO Gage MOD COC LDC BRG 43.41										Kelly Down -5.83 Torque At Bottom 7500 Fill On Bottom 0.00 Weight of DC 56.00 Weight of String										Pump # Pressure Strokes/min Depth 1 2800 @ 84 @ 1122.80 2 2800 @ 84 @ 1122.80										BoilerNo HoursRun pH StackTemp MOUSEHOLE CONNECTIONS 55 3744										Safety Topic MEHL MACP									
TOUR 2 SIGNATURE OF DRILLER John Kennedy										START TIME 8:00 END TIME 20:00																																							

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number 3 Size 200 IADC Code Manufacturer HALLIBURTON Type MM65DM Serial No 12861980 JMS 8.7 8.7 8.7 8.7 Depth Out (m) 1317.00 Depth In (m) 620.00 Total Drilled (m) 697.00 Hrs Run Today 4.75 Cumulative Hrs Run 18.25 Entry Date 19-Feb-2017										No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5\" Sealoff/8 5.8 STG 189 72 8.90 1 NON MAG PONY MONEL 167 72 1.52 1 6.5\" NONMAG MONEL 165 72 9.39 1 6.5\" GAP SUB 164 71 1.60 2 6.5\" NONMAG MONEL 165 72 18.53 1 6.5\" HYDMECH JARS 165 71 5.44 1 XJD SUB 4.5 XM - FT43 155 72 0.87 37 4.5\" HWDP 114 73 363.32										Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other BRINE Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 95 11000 12.00 2 PARALLEL 127 95 11000 12.00										Time Depth Deviation Direction Type Centrifuge #2 4.00 1230 1220 1900										From To Elapsed Code Details Of Operations In Sequence & Remarks SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER									
CUTTING STRUCTURE										HOLE CONDITION										REDUCED PUMP SPEED										BOILER										SAFETY									
TO Gage MOD COC LDC BRG 38.19										Kelly Down -7.00 Torque At Bottom 6700 Fill On Bottom 0.00 Weight of DC 57.00 Weight of String										Pump # Pressure Strokes/min Depth 1 3000 @ 85 @ 1263.80 2 3000 @ 85 @ 1263.80										BoilerNo HoursRun pH StackTemp SOUR BOP DRILL 63 2683										Safety Topic MEHL MACP									
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 3 Size 200 IADC Code Manufacturer HALLIBURTON Type MM65DM Serial No 12861980 JMS 8.7 8.7 8.7 8.7 Depth Out (m) 1382.00 Depth In (m) 620.00 Total Drilled (m) 762.00 Hrs Run Today 3.25 Cumulative Hrs Run 21.50 Entry Date 19-Feb-2017										No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5\" Sealoff/8 5.8 STG 189 72 8.90 1 NON MAG PONY MONEL 167 72 1.52 1 6.5\" NONMAG MONEL 165 72 9.39 1 6.5\" GAP SUB 164 71 1.60 2 6.5\" NONMAG MONEL 165 72 18.53 1 6.5\" HYDMECH JARS 165 71 5.44 1 XJD SUB 4.5 XM - FT43 155 72 0.87 37 4.5\" HWDP 114 73 363.32										Mud Type Water <input type="checkbox"/> Oil <input type="checkbox"/> Other BRINE Time Density Funnel Viscosity Fluid Loss pH Location Of Sample Depth PVT Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 85 13000 4.00 2 PARALLEL 127 85 13000 4.00										Time Depth Deviation Direction Type Centrifuge #2										From To Elapsed Code Details Of Operations In Sequence & Remarks SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density MUD MATERIALS ADDED Product Amount Type Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZARD ID: SEAL ON TRANSFER PUMP PRIMING HATCH BEGAN TO LEAK DURING TRANSFER. REPLACED SEAL, CONTINUED TRANSFER									
CUTTING STRUCTURE										HOLE CONDITION										REDUCED PUMP SPEED										BOILER										SAFETY									
TO Gage MOD COC LDC BRG 35.44										Kelly Down -7.00 Torque At Bottom 5500 Fill On Bottom 0.00 Weight of DC 59.00 Weight of String										Pump # Pressure Strokes/min Depth 1 2500 @ 84 @ 1377.80 2 2500 @ 84 @ 1377.80										BoilerNo HoursRun pH StackTemp SOUR BOP DRILL 59 3130										Safety Topic MEHL MACP									

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC529 20170221 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 21	DAILY CHECKS	OP RM	
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	Re-Entry <input type="checkbox"/>	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Postcard if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) H2S Tests Performed (7) Visually Inspected BOPs-Flare Lines & Degasser Lines	MM MS MS MS MS MS	
Company ARC Resources Ltd.	Contractor Precision Drilling, div of PDC	Company Job No. 99	Rig No 529	Well Type HORIZ	Spoil Date Time 16-Feb-2017	17:00	(1) Rig Site Health & Safety Meeting (once/week/month) (2) CAODC Rig Safety Inspection Checklist (once/week/month) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Vibs Checked		
Signature of Operator's Representative Mike Maddison	Signature of Contractor's Rig Manager Marc Raymond								



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 HRS
Tour 1		0.50				0.50	5.25	0.25																		8.00	5.98
Tour 2		9.25						0.25																		12.00	0.00
Tour 3		3.25				0.25		0.25																		4.00	-5
TOTAL		13.00				0.75	5.25	0.75																		24.00	5.98

TOUR 1 SIGNATURE OF DRILLER **Josh Gilbert** START TIME 0:00 END TIME 8:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 4 Size: 200 IADC Code: HALLIBURTON Manufacturer: HALLIBURTON Type: MMD64M Serial No: 12860043 JMS: 8.7 8.7 8.7 Depth Out (m): 1382.00 Total Drilled (m): Hrs Run Today: Cumulative Hrs Run: 0.00 Entry Date: 21-Feb-2017	No: 1 Component: 200MM BIT OD: 200 ID: 102.6 Length: 1.026 1 6.5" Sealed/7.8 S.B. STG 189 72 8.26 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NOMMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 2 6.5" NOMMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XID SUB 4.5 SH - PT45 155 72 0.87 37 4.5" HWDP 114 73 36.38	Mud Type: Water Other: brine Time: 02:15 05:45 Density: 1275 1275 Funnel Viscosity: 30 30 Fluid Loss: pH: Location of Sample: SUCTION SUCTION Depth: PVT: Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 84 12000 1.00 2 PARALLEL 127 84 12000 1.00	Time Depth Deviation Direction Type 0:30 0:30 0.50 2 0:30 0:45 0.25 7 0:45 1:15 0.50 5 1:15 4:30 3.25 6B 4:30 5:45 1.25 20D 5:45 7:45 2.00 6A 7:45 8:00 0.25 21	From To Elapsed Code 0:00 0:30 0:50 2 0:30 0:45 0:25 7 0:45 1:15 0:50 5 1:15 4:30 3:25 6B 4:30 5:45 1:25 20D 5:45 7:45 2:00 6A 7:45 8:00 0:25 21

TOUR 2 SIGNATURE OF DRILLER **John Kennedy** START TIME 8:00 END TIME 20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 4 Size: 200 IADC Code: HALLIBURTON Manufacturer: HALLIBURTON Type: MMD64M Serial No: 12860043 JMS: 8.7 8.7 8.7 Depth Out (m): 1591.00 Total Drilled (m): 209.00 Hrs Run Today: 9.50 Cumulative Hrs Run: 9.50 Entry Date: 21-Feb-2017	No: 1 Component: 200MM BIT OD: 200 ID: 102.6 Length: 1.026 1 6.5" Sealed/7.8 S.B. STG 189 72 8.26 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NOMMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 2 6.5" NOMMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XID SUB 4.5 SH - PT45 155 72 0.87 37 4.5" HWDP 114 73 36.38	Mud Type: Water Other: BRINE Time: 08:30 15:00 Density: 1270 1270 Funnel Viscosity: 31 31 Fluid Loss: pH: 11 Location of Sample: SHAKERS SHAKERS Depth: 1385.00 1506.00 PVT: 84 74 Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 96 12000 12.00 2 PARALLEL 127 96 12000 12.00	Time Depth Deviation Direction Type 09:30 1370.99 0.70 9.8 10:15 1400.24 0.70 24.5 11:45 1429.49 0.70 352.1 13:00 1458.74 0.60 18.3 14:15 1487.99 1.00 29.5 16:30 1517.24 0.30 24.9	From To Elapsed Code 8:00 17:15 9:25 2 17:15 19:30 2:25 20A 19:30 19:45 0:25 7 19:45 20:00 0:25 21

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: 4 Size: 200 IADC Code: HALLIBURTON Manufacturer: HALLIBURTON Type: MMD64M Serial No: 12860043 JMS: 8.7 8.7 8.7 Depth Out (m): 1659.00 Total Drilled (m): 277.00 Hrs Run Today: 3.25 Cumulative Hrs Run: 12.75 Entry Date: 21-Feb-2017	No: 1 Component: 200MM BIT OD: 200 ID: 102.6 Length: 1.026 1 6.5" Sealed/7.8 S.B. STG 189 72 8.26 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NOMMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 2 6.5" NOMMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XID SUB 4.5 SH - PT45 155 72 0.87 37 4.5" HWDP 114 73 36.38	Mud Type: Water Other: BRINE Time: 20:30 Density: 1275 Funnel Viscosity: 30 Fluid Loss: pH: 10 Location of Sample: SUCTION Depth: PVT: Circulation: Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 96 14500 3.00 2 PARALLEL 127 96 14500 3.00	Time Depth Deviation Direction Type 20:00 23:15 3:25 2 23:15 23:30 0:25 7 23:30 23:45 0:25 20A 23:45 24:00 0:25 5	From To Elapsed Code 20:00 23:15 3:25 2 23:15 23:30 0:25 7 23:30 23:45 0:25 20A 23:45 24:00 0:25 5

FRONT PAGE SUMMARY					Tour Sheet Serial Number	Vendor Software Version	Year	Month	Day	DAILY CHECKS					OP RM													
License No: 032618					Well Name: ARGRES HZ INGA B13-26-84-24					PREC529 20170221 1A					RMS 2016.8.30.38074		2017 02 21		<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weekly (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard if Required <input type="checkbox"/> (4) Well License & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Staked <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) Rig Site Health & Safety Meeting (on/crow/month) <input type="checkbox"/> (9) CAODC Rig Safety Inspection Checklist (on/crow/month) <input type="checkbox"/> (10) Mast Inspection before Raising or Lowering <input type="checkbox"/> (11) Crown Saver Checked <input type="checkbox"/> (12) Major Valve Checked					 				
Contractor: Precision Drilling, div of PDC					Surface Location: 13b-26-84-24 W6					Pro: BC					Loc Type: DLS		Unique Well ID: 100/09-23-084-24W6/00		Re-Entry: <input type="checkbox"/>									
Company's #55: 17DR00037					Contractor's Job No: 99					Rig No: 529					Well Type: HORIZ		Spud Date Time: 16-Feb-2017 17:00		Signature of Operator's Representative: Mike Maddison					Signature of Contractor's Rig Manager: Marc Raymond				

Code	Rig Up																									TOTAL	FUEL @ 08:00 HRS	WEATHER	
	Rig Up	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Logs	Run Cag & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Walking On	Rig Watch	Other				
Tour 1	0.50				0.50	5.25	0.25																			1.25	0.25	8.00	
Tour 2	9.25						0.25																				2.25	0.25	12.00
Tour 3	3.25				0.25		0.25																				0.25		4.00
TOTAL	13.00				0.75	5.25	0.75																				3.75	0.50	24.00

TOUR 1 SIGNATURE OF DRILLER: Josh Gilbert START TIME: 0:00 END TIME: 8:00

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number: 4 Size: 200 IADC Code: HALLIBURTON Manufacturer: HALLIBURTON Type: MMD64M Serial No: 12860043 JMS: 8.7 8.7 8.7 8.7 Depth Out (m): 1382.00 Total Drilled (m): Hrs Run Today: Cumulative Hrs Run: 0.00 Entry Date: 21-Feb-2017										No: 1 Component: 200MM BIT OD: 200 ID: 1 Length: 0.26 1 6.5" Sealoff/7.8 5.0 STG 189 72 8.28 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 2 6.5" NONMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XID SUB 4.5 SH - PT43 155 72 0.87 37 4.5" HWDP 114 73 36.33										Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Time: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4 Density: 1270 Funnel Viscosity: 31 Fluid Loss: 11 pH: 11 Location Of Sample: SHAKERS Depth: 1561.00 PVT: 72										Time: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4 Direction: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4										From: To: Elapsed: Code: Details Of Operations In Sequence & Remarks Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER									
CUTTING STRUCTURE TO: 7 UGHT: 0 MDC: RO CDC: CT LDC: N BSG: X										Kelly Down: -4.69 Total: 1382.00 Weight of DC: 0.00 Weight of String: 59.00										Pump # 1 Pressure: 2500 Strokes/min: 84 Depth: 1377.80 Pump # 2 Pressure: 127 Strokes/min: 96 Depth: 1200.00										Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density										Product: Amount: Type									
METRES DRILLED From: To: D-R-C RPM WOB										Hole Drag: Up: 1 Down: 1 Torque At Bottom: 7500 Fill On Bottom: 0.00										Pump # 1 Pressure: 2500 Strokes/min: 84 Depth: 1377.80 Pump # 2 Pressure: 127 Strokes/min: 96 Depth: 1200.00										Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density										Product: Amount: Type									

TOUR 2 SIGNATURE OF DRILLER: John Kennedy START TIME: 8:00 END TIME: 20:00

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number: 4 Size: 200 IADC Code: HALLIBURTON Manufacturer: HALLIBURTON Type: MMD64M Serial No: 12860043 JMS: 8.7 8.7 8.7 8.7 Depth Out (m): 1591.00 Total Drilled (m): 209.00 Hrs Run Today: 9.50 Cumulative Hrs Run: 9.50 Entry Date: 21-Feb-2017										No: 1 Component: 200MM BIT OD: 200 ID: 1 Length: 0.26 1 6.5" Sealoff/7.8 5.0 STG 189 72 8.28 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 2 6.5" NONMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XID SUB 4.5 SH - PT43 155 72 0.87 37 4.5" HWDP 114 73 36.33										Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Time: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4 Density: 1270 Funnel Viscosity: 31 Fluid Loss: 11 pH: 11 Location Of Sample: SHAKERS Depth: 1561.00 PVT: 72										Time: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4 Direction: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4										From: To: Elapsed: Code: Details Of Operations In Sequence & Remarks Remarks: INSPECT BRAKES, TONGS, PINS, SLINGS, JERK LINES, HOLD BACK LINES, JAWS, SLIPS, ELEVATORS, ST-80C, TOP DRIVE, TUGGERS, BOOMS, MAN RIDER, EASY RIDERS, ESCAPE LINE AND BUGGY FUNCTION CROWN SAVER, UPPER AND LOWER LIMITS, STOPS, E-STOP, IGNITER HAZARD ID - STOPPER PIN WAS MISSING ON RACKS WHILE LOADING CASING, REPLACED PIN									
CUTTING STRUCTURE TO: 7 UGHT: 0 MDC: RO CDC: CT LDC: N BSG: X										Kelly Down: 0.00 Total: 1591.44 Weight of DC: 0.00 Weight of String: 63.00										Pump # 1 Pressure: 3700 Strokes/min: 96 Depth: 85.00 Pump # 2 Pressure: 127 Strokes/min: 96 Depth: 1200.00										Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density										Product: Amount: Type									
METRES DRILLED From: To: D-R-C RPM WOB										Hole Drag: Up: 2 Down: 3 Torque At Bottom: 6000 Fill On Bottom: 0.00										Pump # 1 Pressure: 3700 Strokes/min: 96 Depth: 85.00 Pump # 2 Pressure: 127 Strokes/min: 96 Depth: 1200.00										Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density										Product: Amount: Type									

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: 4 Size: 200 IADC Code: HALLIBURTON Manufacturer: HALLIBURTON Type: MMD64M Serial No: 12860043 JMS: 8.7 8.7 8.7 8.7 Depth Out (m): 1659.00 Total Drilled (m): 277.00 Hrs Run Today: 3.25 Cumulative Hrs Run: 12.75 Entry Date: 21-Feb-2017										No: 1 Component: 200MM BIT OD: 200 ID: 1 Length: 0.26 1 6.5" Sealoff/7.8 5.0 STG 189 72 8.28 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.60 2 6.5" NONMAG MONEL 165 72 18.53 1 6.5" HYDMECH JARS 165 71 5.44 1 XID SUB 4.5 SH - PT43 155 72 0.87 37 4.5" HWDP 114 73 36.33										Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Time: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4 Density: 1270 Funnel Viscosity: 31 Fluid Loss: 11 pH: 11 Location Of Sample: SHAKERS Depth: 1561.00 PVT: 72										Time: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4 Direction: 18:15 1546.49 0.40 14.9 20:00 1575.74 0.40 340.4										From: To: Elapsed: Code: Details Of Operations In Sequence & Remarks Remarks: INSPECT BRAKES, TONGS, PINS, SLINGS, JERK LINES, HOLD BACK LINES, JAWS, SLIPS, ELEVATORS, ST-80C, TOP DRIVE, TUGGERS, BOOMS, MAN RIDER, EASY RIDERS, ESCAPE LINE AND BUGGY FUNCTION CROWN SAVER, UPPER AND LOWER LIMITS, STOPS, E-STOP, IGNITER HAZARD ID: 2" OVERHEAD WATER LINES MISSING SAFETY CABLES									
CUTTING STRUCTURE TO: 7 UGHT: 0 MDC: RO CDC: CT LDC: N BSG: X										Kelly Down: 0.00 Total: 1649.94 Weight of DC: 0.00 Weight of String: 64.00										Pump # 1 Pressure: 2900 Strokes/min: 96 Depth: 1649.94 Pump # 2 Pressure: 127 Strokes/min: 96 Depth: 14500.00										Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density										Product: Amount: Type									
METRES DRILLED From: To: D-R-C RPM WOB										Hole Drag: Up: 1 Down: 1 Torque At Bottom: 6500 Fill On Bottom: 0.00										Pump # 1 Pressure: 2900 Strokes/min: 96 Depth: 1649.94 Pump # 2 Pressure: 127 Strokes/min: 96 Depth: 14500.00										Equipment Name: Hours Run: Intake Density: Over Flow Density: Under Flow Density										Product: Amount: Type									

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC529 20170222 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 22	DAILY CHECKS		OP RM
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well Id 100/09-23-084-24W6/00	(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 Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/week/month) (9) CAODC Rig Safety Inspection Checklist (once/week/month) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Major Vibs Checked		<input type="checkbox"/> MME <input type="checkbox"/> MMS <input type="checkbox"/> MSL <input type="checkbox"/> MSH <input type="checkbox"/> MSB <input type="checkbox"/> MSF <input type="checkbox"/> MSK <input type="checkbox"/> MSN <input type="checkbox"/> MSO <input type="checkbox"/> MSP <input type="checkbox"/> MSQ <input type="checkbox"/> MSR <input type="checkbox"/> MSS <input type="checkbox"/> MST <input type="checkbox"/> MSU <input type="checkbox"/> MSV <input type="checkbox"/> MSW <input type="checkbox"/> MSX <input type="checkbox"/> MSY <input type="checkbox"/> MSZ	
Company ARC Resources Ltd.	Contractor Precision Drilling, div of PDC	Contractor's Job No. 99	Rig No 529	Well Type HORIZ	Spoil Date Time 16-Feb-2017	17:00	(1) Rig Site Health & Safety Meeting (once/week/month) (2) CAODC Rig Safety Inspection Checklist (once/week/month) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Major Vibs Checked		
Signature of Operator's Representative Mike Maddison	Signature of Contractor's Rig Manager Mark Raymond								



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	Kilobytes 5.98	Top Fuel 4498		
	Rig Up	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Run Cags & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other					
	Tour 1					4.50	0.25														3.00	0.25								
	Tour 2	6.25				2.00	2.00	0.25													1.25	0.25								
Tour 3	3.25						0.25													0.50										
TOTAL	9.50				2.00	6.50	0.75													4.75	0.50									

TOUR	1	SIGNATURE OF DRILLER	Josh Gilbert	START TIME	0:00	END TIME	8:00
------	---	----------------------	--------------	------------	------	----------	------


BITS	Bit Number	5	IADC Code	Manufacturer	SMITH	Type	MDSI713	Serial No	JK2287	Jct	10 10 10 10	Depth Out (m)	1649.00	Total Drilled (m)	1649.00	Hrs Run Today	0.00	Cumulative Hrs Run	0.00	Entry Date	22-Feb-2017
	Size	200																			
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																

TOUR	2	SIGNATURE OF DRILLER	John Kennedy	START TIME	8:00	END TIME	20:00
------	---	----------------------	--------------	------------	------	----------	-------

BITS	Bit Number	5	IADC Code	Manufacturer	SMITH	Type	MDSI713	Serial No	JK2287	Jct	10 10 10 10	Depth Out (m)	1726.00	Total Drilled (m)	1726.00	Hrs Run Today	6.25	Cumulative Hrs Run	6.25	Entry Date	22-Feb-2017
	Size	200																			
	Drill Pipe	Stand			8																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																

TOUR	3	SIGNATURE OF DRILLER	Sylvain Arsenault	START TIME	20:00	END TIME	24:00
------	---	----------------------	-------------------	------------	-------	----------	-------

BITS	Bit Number	5	IADC Code	Manufacturer	SMITH	Type	MDSI713	Serial No	JK2287	Jct	10 10 10 10	Depth Out (m)	1764.00	Total Drilled (m)	115.00	Hrs Run Today	3.25	Cumulative Hrs Run	9.50	Entry Date	22-Feb-2017
	Size	200																			
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																
	Drill Pipe	Stand			0																
	Drill Pipe	Singles			0																

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC529 20170222 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 22	DAILY CHECKS		OP RM
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weighly (Using Check List) <input type="checkbox"/> (3) H2S Signs Posted if Required <input type="checkbox"/> (4) Well License & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Staked <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) Rig Site Health & Safety Meeting (on/crow/month) <input type="checkbox"/> (9) CAODC Rig Safety Inspection Checklist (on/crow/month) <input type="checkbox"/> (10) Mast Inspection before Raising or Lowering <input type="checkbox"/> (11) Crown Saver Checked <input type="checkbox"/> (12) Motor Vibs Checked		<input type="checkbox"/> MEH <input type="checkbox"/> MACP <input type="checkbox"/> MEH <input type="checkbox"/> MACP <input type="checkbox"/> MEH <input type="checkbox"/> MACP <input type="checkbox"/> MEH <input type="checkbox"/> MACP	
Contractor ARC Resources Ltd. Company's #55 17DR0037 Signature of Operator's Representative Mike Maddison		Contractor Precision Drilling, div of PDC Company's Job No. 99 Signature of Contractor's Rig Manager Marc Raymond		Rig No 529	Well Type HORIZ	Spud Date Time 16-Feb-2017 17:00			

Code	Hours																									TOTAL	FUEL @ 08:00 HRS	WEATHER						
	Rig Up	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Logs	Run Cag & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Walking On	Rig Watch	Other									
Tour 1						4.50	0.25														3.00	0.25				8.00	18127	5962	05:45	-6	Clear	Wind Direction N	Wind Strength CALM	Road Condition GOOD
Tour 2		6.25				2.00	2.00	0.25													1.25	0.25				12.00								
Tour 3		3.25						0.25													0.50					4.00								
TOTAL		9.50				2.00	6.50	0.75													4.75	0.50				24.00								

TOUR 1 SIGNATURE OF DRILLER **Josh Gilbert** START TIME 0:00 END TIME 8:00

BITS Bit Number: 5 Size: 200 IADC Code: [] Manufacturer: SMITH Type: MDSI713 Serial No: JK2287 Jct: 10 10 10 10 Depth Out (m): 1649.00 Total Drilled (m): [] Hrs Run Today: [] Cumulative Hrs Run: 0.00 Entry Date: 22-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5" Sealed 7/8 5.0 STG 189 72 8.27 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.69 1 6.5" UBHO Sub 162 64 0.92 1 6.5" NONMAG MONEL 165 72 27.88 1 6.5" HYDMECH JARS 165 71 5.44 1 XJO SUB 4.5 XH - PT43 155 72 0.87 37 4.5" HWDP 114 73 26.32	MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: brine Time: [] Density: [] Funnel Viscosity: [] Fluid Loss: [] pH: [] Location Of Sample: [] Depth: [] PVT: [] Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 96 13000 1.00 2 PARALLEL 127 96 13000 1.00	DEVIATION SURVEYS Time Depth Deviation Direction Type 19:00 1704.11 12.60 178.8	TIME LOG From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER					
					CUTTING STRUCTURE (1) 2 Gage 0 (10) 2 COC NO MDC Reason Filed BHA LDC Test Run (h:min) 21.73 BRG X	HOLE CONDITION Hole Drag Up Down Torque At Bottom Fill On Bottom	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 5200 @ 105 @ 1729.00 2 4400 @ 85 @	BOILER BoilerNo HoursRun pH StackTemp TRIPPING OUT 60 3315	SAFETY Safety Topic MEHL MACP
					METRES DRILLED From To D-R-C RPM WOB 22-Feb-2017	REMARKS 8.00 1726.81 12.32	REMARKS 10 Down 8 7500 0.00	REMARKS 1 PARALLEL 127 85 12000 10.00 2 PARALLEL 127 85 12000 10.00	REMARKS 12.00 1280 1275 1800 75 3500
					TOUR 2 SIGNATURE OF DRILLER John Kennedy START TIME 8:00 END TIME 20:00	TOUR 2 SIGNATURE OF DRILLER John Kennedy START TIME 8:00 END TIME 20:00	TOUR 2 SIGNATURE OF DRILLER John Kennedy START TIME 8:00 END TIME 20:00	TOUR 2 SIGNATURE OF DRILLER John Kennedy START TIME 8:00 END TIME 20:00	TOUR 2 SIGNATURE OF DRILLER John Kennedy START TIME 8:00 END TIME 20:00

BITS Bit Number: 5 Size: 200 IADC Code: [] Manufacturer: SMITH Type: MDSI713 Serial No: JK2287 Jct: 10 10 10 10 Depth Out (m): 1726.00 Total Drilled (m): 1649.00 Hrs Run Today: 6.25 Cumulative Hrs Run: 6.25 Entry Date: 22-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5" Sealed 7/8 5.0 STG 189 72 8.27 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.69 1 6.5" UBHO Sub 162 64 0.92 1 6.5" NONMAG MONEL 165 72 27.88 1 6.5" HYDMECH JARS 165 71 5.44 1 XJO SUB 4.5 XH - PT43 155 72 0.87 37 4.5" HWDP 114 73 26.32	MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: BRINE Time: [] Density: [] Funnel Viscosity: [] Fluid Loss: [] pH: [] Location Of Sample: [] Depth: [] PVT: [] Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 85 12000 10.00 2 PARALLEL 127 85 12000 10.00	DEVIATION SURVEYS Time Depth Deviation Direction Type 19:00 1704.11 12.60 178.8	TIME LOG From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER					
					CUTTING STRUCTURE (1) 2 Gage 0 (10) 2 COC NO MDC Reason Filed BHA LDC Test Run (h:min) 12.32 BRG X	HOLE CONDITION Hole Drag Up Down Torque At Bottom Fill On Bottom	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 1 5200 @ 105 @ 1729.00 2 4400 @ 85 @	BOILER BoilerNo HoursRun pH StackTemp TRIPPING IN 75 3500	SAFETY Safety Topic MEHL MACP
					METRES DRILLED From To D-R-C RPM WOB 22-Feb-2017	REMARKS 8.00 1726.81 12.32	REMARKS 10 Down 8 7500 0.00	REMARKS 1 PARALLEL 127 85 12000 10.00 2 PARALLEL 127 85 12000 10.00	REMARKS 12.00 1280 1275 1800 75 3500
					TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

BITS Bit Number: 5 Size: 200 IADC Code: [] Manufacturer: SMITH Type: MDSI713 Serial No: JK2287 Jct: 10 10 10 10 Depth Out (m): 1764.00 Total Drilled (m): 115.00 Hrs Run Today: 3.25 Cumulative Hrs Run: 9.50 Entry Date: 22-Feb-2017	DRILLING ASSEMBLY No. Component OD ID Length 1 200MM BIT 200 1 0.26 1 6.5" Sealed 7/8 5.0 STG 189 72 8.27 1 NON MAG PONY MONEL 167 72 1.52 1 6.5" NONMAG MONEL 165 72 9.39 1 6.5" GAP SUB 164 71 1.69 1 6.5" UBHO Sub 162 64 0.92 1 6.5" NONMAG MONEL 165 72 27.88 1 6.5" HYDMECH JARS 165 71 5.44 1 XJO SUB 4.5 XH - PT43 155 72 0.87 37 4.5" HWDP 114 73 26.32	MUD RECORD Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: BRINE Time: [] Density: [] Funnel Viscosity: [] Fluid Loss: [] pH: [] Location Of Sample: [] Depth: [] PVT: [] Circulation Pump # Type Liner Size SPM Pressure Hrs Run 1 127 85 15000 4.00 2 127 85 15000 4.00	DEVIATION SURVEYS Time Depth Deviation Direction Type 4:00 1280 1280 1800 4:00 1280 1280 1800	TIME LOG From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HID-NOTICED ELECTRIC HEATER HAD BURNT SMELL, LOCK IT OUT AND OPEN IT					
					CUTTING STRUCTURE (1) 2 Gage 0 (10) 2 COC NO MDC Reason Filed BHA LDC Test Run (h:min) 12.11 BRG X	HOLE CONDITION Hole Drag Up Down Torque At Bottom Fill On Bottom	REDUCED PUMP SPEED Pump # Pressure Strokes/min Depth 2 4400 @ 85 @ 1729.00	BOILER BoilerNo HoursRun pH StackTemp TRANSFER INVERT 80 3500	SAFETY Safety Topic MEHL MACP
					METRES DRILLED From To D-R-C RPM WOB 22-Feb-2017	REMARKS 0.00 1764.06 12.11	REMARKS 7 Down 7 7000	REMARKS 1 127 85 15000 4.00 2 127 85 15000 4.00	REMARKS 4:00 1280 1280 1800 4:00 1280 1280 1800
					TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

FRONT PAGE SUMMARY		Tour Sheet Serial Number	Vendor Software Version	Year	Month	Day	DAILY CHECKS		OP RM
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	PREC259 20170223 1A	RMS 2016.8.30.38074	2017	02	23	(1) Daily Walk Around Inspection	<input type="checkbox"/>	MMA
Contractor ARC Resources Ltd.		Surface Location 13b-26-84-24 W6	Prov DLS	Loc Type 100/09-23-084-24W6/00	ReEntry <input type="checkbox"/>			(2) Detailed Inspection - Weedy (Using Check List)	<input type="checkbox"/>
Company # 17DR10037		Contractor's Job No 99	529	Well Type HORIZ	Signature of Operator's Representative Mike Maddison			(3) H2S Signs Posted if Required	<input type="checkbox"/>
Signature of Operator's Representative Mike Maddison		Signature of Contractor's Rig Manager Mark Raymond	Start Date/Time 16-Feb-2017	17:00	Signature of Operator's Representative Mike Maddison			(4) Well License & Stick Diagram Posted	<input type="checkbox"/>



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 HRS	WELL	WIND	WEATHER		
Tour 1																											8.00	13285	5962	05:00	-11	FAIR
Tour 2																											12.00	05:00	-11	FAIR	FAIR	
Tour 3																											4.00					
TOTAL																											24.00					

TOUR **1** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **0:00** END TIME **8:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	CUTTING STRUCTURE		HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	SAFETY
					TO	FROM				
Bit Number: 5 Size: 200 IADC Code: SMITH Manufacturer: MDS1713 Type: JK2287 Serial No: 10 10 10 10 Jct: 10 10 10 10 Depth Out (m): 1819.00 Total Drilled (m): 170.00 Hrs Run Today: 6.75 Cumulative Hrs Run: 16.25 Entry Date: 23-Feb-2017	1 200MM BIT 200 1 0.26 1 6.5\" Bead/B 5.0 STG 189 72 8.27 1 NON MAG POMY MONEL 167 72 1.52 1 6.5\" NOMMAG MONEL 165 72 9.39 1 6.5\" GAP SUB 164 71 1.69 1 6.5\" UBHO SUB 162 64 0.92 3 6.5\" NONMAG MONEL 165 72 27.88 1 6.5\" HYDMECH JARS 165 71 5.44 1 XJO SUB 4.5 XH - PT43 155 72 0.87 37 4.5\" HWDP 114 73 34.23	Mud Type: <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> brine Time: 00:30 - 02:30 Density: 1270 Funnel Viscosity: 31 Fluid Loss: 10 pH: 10 Location of Sample: T4 Circulation: Pump #1 Type Liner Size SPM Pressure Hrs Run 1 COVERED 127 85 15000 8.00 2 COVERED 127 85 15000 8.00	Time Depth Deviation Direction Type 00:15 1752.86 23.70 189.8 01:45 1762.61 25.80 189.2 02:45 1772.36 27.80 187.7 04:45 1782.11 30.10 188.1 05:30 1791.86 31.70 188.6 07:00 1801.61 32.00 187.4	From To Elapsed Code 0:00 6:45 6:45 2 6:45 7:15 0:50 20A 7:15 7:45 0:50 7 7:45 8:00 0:25 21A	TO: 00 FROM: 10 MDC: 0 LDC: 10.46 BRS: 0	Kelly Down: -16.00 Total: 1819.81 Weight of DC: 0.00 Weight of String: 72.00	Hole Drag Up: 8 Down: 7 Torque At Bottom: 7500 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 127 85 15000 8.00 2 127 85 15000 8.00	ENERSCAV C 1 EACH ENERHIB C 1 EACH ENERMUL P-100 1 EACH SECONDARY CES 1 EACH WETTING AGENT CES 1 EACH GEMINI DEFOAMER 1 EACH	SAFETY: MEHL, MACP REVIEW INCIDENT: 80 3500
Details of Operations In Sequence & Remarks DRILL 200MM HOLE FR 1744M TO 1819M. DIRECTIONAL SURVEYS/CONNECTION TIME RIG SERVICE FCT ANNULAR 18 SEC TO CLOSE MEETINGS - SOUR DRILLERS / BOP, WELL SECURED, SEARCH ROUTES CONDUCTED, MUDER POINTS IDENTIFIED AND ALL EQUIPMENT READY TO USE, FUNCTION UNITED HORN										

TOUR **2** SIGNATURE OF DRILLER **Josh Gilbert** START TIME **8:00** END TIME **20:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	CUTTING STRUCTURE		HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	SAFETY
					TO	FROM				
Bit Number: 5 Size: 200 IADC Code: SMITH Manufacturer: MDS1713 Type: JK2287 Serial No: 10 10 10 10 Jct: 10 10 10 10 Depth Out (m): 1884.00 Total Drilled (m): 235.00 Hrs Run Today: 9.25 Cumulative Hrs Run: 25.50 Entry Date: 23-Feb-2017	1 200MM BIT 200 1 0.26 1 6.5\" Bead/B 5.0 STG 189 72 8.27 1 NON MAG POMY MONEL 167 72 1.52 1 6.5\" NOMMAG MONEL 165 72 9.39 1 6.5\" GAP SUB 164 71 1.69 1 6.5\" UBHO SUB 162 64 0.92 3 6.5\" NONMAG MONEL 165 72 27.88 1 6.5\" HYDMECH JARS 165 71 5.44 1 XJO SUB 4.5 XH - PT43 155 72 0.87 37 4.5\" HWDP 114 73 34.23	Mud Type: <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> BRINE Time: 08:00 - 11:45 Density: 1270 Funnel Viscosity: 31 Fluid Loss: 10 pH: 10 Location of Sample: SUCTION Circulation: Pump #1 Type Liner Size SPM Pressure Hrs Run 1 PARALLEL 127 85 14900 12.00 2 PARALLEL 127 85 14900 12.00	Time Depth Deviation Direction Type 09:00 1811.36 34.20 185.7 10:45 1821.11 37.10 187.3 12:15 1830.86 38.60 188 13:45 1840.61 39.30 188.8 16:00 1850.36 40.90 187 17:45 1860.11 42.70 186.8	From To Elapsed Code 8:00 17:15 9:25 2 17:15 18:30 2:25 20A 18:30 19:45 0:25 7 19:45 20:00 0:25 21	TO: 00 FROM: 10 MDC: 0 LDC: 9.22 BRS: 0	Kelly Down: 0.00 Total: 1884.56 Weight of DC: 0.00 Weight of String: 70.00	Hole Drag Up: 7 Down: 4 Torque At Bottom: 7600 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 4000 85 14900 12.00 2 4000 85 14900 12.00	ENFIBER 8 SX CAL CARB 0 15 SX CAL CARB 325 15 SX ENERPURE 2 SX ENERPAC REGULAR 2 SX	SAFETY: MEHL, MACP MOUSEHOLE CONNECTIONS: 85 3433
Details of Operations In Sequence & Remarks DRILL 200MM HOLE FROM 1819M-1884M DIRECTIONAL SURVEYS / CONNECTION TIME RIG SERVICE/UPPER PIPE RAMS/ 4 SEC TO CLOSE SAFETY MEETING/CREW CHANGE MEETING										

TOUR **3** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **20:00** END TIME **24:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	CUTTING STRUCTURE		HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	SAFETY
					TO	FROM				
Bit Number: 5 Size: 200 IADC Code: SMITH Manufacturer: MDS1713 Type: JK2287 Serial No: 10 10 10 10 Jct: 10 10 10 10 Depth Out (m): 1914.00 Total Drilled (m): 265.00 Hrs Run Today: 3.00 Cumulative Hrs Run: 28.50 Entry Date: 23-Feb-2017	1 200MM BIT 200 1 0.26 1 6.5\" Bead/B 5.0 STG 189 72 8.27 1 NON MAG POMY MONEL 167 72 1.52 1 6.5\" NOMMAG MONEL 165 72 9.39 1 6.5\" GAP SUB 164 71 1.69 1 6.5\" UBHO SUB 162 64 0.92 3 6.5\" NONMAG MONEL 165 72 27.88 1 6.5\" HYDMECH JARS 165 71 5.44 1 XJO SUB 4.5 XH - PT43 155 72 0.87 37 4.5\" HWDP 114 73 34.23	Mud Type: <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> BRINE Time: 23:30 - 24:00 Density: 1270 Funnel Viscosity: 31 Fluid Loss: 10 pH: 10 Location of Sample: SUCTION Depth: 1900.00 PVT: 20 Circulation: Pump #1 Type Liner Size SPM Pressure Hrs Run 1 127 96 16500 4.00 2 COVERED 127 96 16500 4.00	Time Depth Deviation Direction Type 21:30 1879.61 47.20 188.2 22:45 1889.36 49.70 188 23:45 1899.11 51.90 187.3	From To Elapsed Code 20:00 23:00 3:00 2 23:00 23:45 0:75 20A 23:45 24:00 0:25 7	TO: 00 FROM: 10 MDC: 0 LDC: 9.30 BRS: 0	Kelly Down: 0.00 Total: 1914.56 Weight of DC: 0.00 Weight of String: 70.00	Hole Drag Up: 7 Down: 7 Torque At Bottom: 10000 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 2 4100 85 16500 4.00 2 4100 85 16500 4.00	CAUSTIC SODA 2 EACH HYDRATED LIME 2 EACH	SAFETY: MEHL, MACP MOUSEHOLE CONNECTION: 80 3500
Details of Operations In Sequence & Remarks DRILL 200MM HOLE FROM 1884M TO 1914M DIRECTIONAL SURVEYS / CONNECTION TIME RIG SERVICE FCT LOWER PIPE RAM 4 SEC TO CLOSE										

TOUR **3** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **20:00** END TIME **24:00**

FRONT PAGE SUMMARY

Tour Sheet Serial Number: PREC259 20170223_1A
Vender Software Version: RMS 2016.8.30.38074
Year: 2017, Month: 02, Day: 23
License No: 032618, Well Name: ARGRES HZ INGA B13-26-84-24
Surface Location: 13b-26-84-24 W6
Rig No: 529, Well Type: DLS, Unique Well ID: 100/09-23-084-24W6/00

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) H2S Siles Performed
(7) Visually Inspected BOP's Flare Lines & Degasser Lines
(8) Rig Site Health & Safety Meeting (on/oc/w/m/wh)
(9) CADCOC Rig Safety Inspection Checklist (on/oc/w/m/wh)
(10) Mast Inspection before Raising or Lowering
(11) Crown Saver Checked
(12) Motor Vibs Checked



Contractor: Precision Drilling, div of PDC
Company Job No: 99
Signature of Operator's Representative: Mike Maddison
Signature of Contractor's Rig Manager: Marc Raymond

Table with 25 columns representing hours of the day (1-25) and rows for Tour 1, Tour 2, Tour 3, and a TOTAL row. Includes sub-sections for FUEL @ 08:00 HRS and WEATHER.

TOUR 1 SIGNATURE OF DRILLER: Sylvain Arsenault START TIME: 0:00 END TIME: 8:00



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

TOUR 2 SIGNATURE OF DRILLER: Josh Gilbert START TIME: 8:00 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, BOILER, SAFETY, MOUSEHOLE CONNECTIONS.

TOUR 3 SIGNATURE OF DRILLER: Sylvain Arsenault 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, BOILER, SAFETY, MOUSEHOLE CONNECTION.

FRONT PAGE SUMMARY				Tour Sheet Serial Number	Vendor Software Version	Year	Month	Day	DAILY CHECKS		OP	RM
License No	Well Name	PREC259 20170224 1A	RMS 2016.8.30.38074	2017	02	24	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weekly (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard if Required <input type="checkbox"/> (4) Well License & Stick Diagram Checked <input type="checkbox"/> (5) Flare Lines Scaled <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs Flare Lines & Degasser Lines <input type="checkbox"/> (8) Rig Site Health & Safety Meeting (once/monthly) <input type="checkbox"/> (9) CAODC Rig Safety Inspection Checklist (once/monthly) <input type="checkbox"/> (10) Mast Inspection before Raising or Lowering <input type="checkbox"/> (11) Crown Saver Checked <input type="checkbox"/> (12) Motor Vibs Checked		OP	RM		
032618	ARCRES HZ INGA B13-26-84-24	Surface Location	13b-26-84-24 W6	Plow	BC	Run Log	DLS	Unique Well Id	100/09-23-084-24W6/00			
Contractor		Precision Drilling, div of PDC		Rig No	529	Well Type	HORIZ	Spud Date Time 16-Feb-2017 17:00				
Company's #		ARC Resources Ltd.		Signature of Contractor's Rig Manager		Mike Maddison		Signature of Operator's Representative		Marc Raymond		

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 HRS
Tour 1		6.00			0.75			0.75																		8.00	9187
Tour 2		4.50			0.75	3.25	0.25																			12.00	04:30
Tour 3					3.00			0.75																		4.00	CLEAR
TOTAL		10.50			1.50	6.25	1.00	0.75																		24.00	WEATHER

TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 0:00 END TIME 8:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number	5	No	1	Mud Type	Water	Time	01:00	From	0:00
Size	200	Component	200MM BIT	Water	Oil	Depth	1908.86	To	2:30
IADC Code		OD	191.1	Other	Brine	Deviation	54.60	Elapsed	2:50
Manufacturer	SMITH	ID	189			Direction	185.9	Code	2
Type	MDSI713	Length	2.00			Type		Details Of Operations In Sequence & Remarks	
Serial No	JK2287	Time	07:30					0:00 2:30 2:50 2	
Jct	10	Density	1270					DRILL 200MM HOLE FROM 1914M TO 1952M	
Depth Out (m)	1975.00	Funnel Viscosity	31					2:30 3:00 0:50 20A	
Depth In (m)	1649.00	Fluid Loss	31					3:00 3:45 0:75 7	
Total Drilled (m)	326.00	pH	10					3:45 4:30 0:75 5B	
Hrs Run Today	6.00	Location Of Sample	T4					4:30 8:00 3:50 2	
Cumulative Hrs Run	34.50	Depth	1924.00					DRILL 200MM HOLE FR 1952M TO 1975M.	
Entry Date	23-Feb-2017	PVT	19						
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY	
WOB	19	Hole Drag	8	Pump #	1	Product	WETTING AGENT CES	MEHL	
RPM	40	Up	7	Pressure	4100	Amount	1 EACH	3500	
D-R-C	40	Down	7	Strokes/min	85	Type		MACP	
WOB	19	Fill On Bottom	0.00	Depth	1920.00				
MO	1	Remarks							
LO	1								
BS	1								

TOUR 2 SIGNATURE OF DRILLER Josh Gilbert START TIME 8:00 END TIME 20:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number	5	No	1	Mud Type	Water	Time	09:00	From	8:00
Size	200	Component	159MM BIT	Water	Brine	Depth	1967.36	To	12:30
IADC Code		OD	129	Other		Deviation	70.00	Elapsed	4:50
Manufacturer	SMITH	ID	124			Type	187.2	Code	2
Type	MDSI713	Length	1.918					Details Of Operations In Sequence & Remarks	
Serial No	JK2287	Time	08:00					8:00 12:30 4:50 2	
Jct	10	Density	1320					DRILL 200 mm BUILD SECTION FROM 1975M-2010M.	
Depth Out (m)	2010.00	Funnel Viscosity	55					12:30 13:15 0:75 20A	
Depth In (m)	1649.00	Fluid Loss	55					13:15 13:30 0:25 7	
Total Drilled (m)	361.00	pH	12.27					13:30 14:15 0:75 5	
Hrs Run Today	4.50	Location Of Sample	SUCTION					14:15 17:30 3:25 6B	
Cumulative Hrs Run	39.00	Depth	1972.00					17:30 17:45 0:25 20D	
Entry Date	23-Feb-2017	PVT	1920.00					18:00 20:00 2:00 20D	
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY	
WOB	19	Hole Drag	4	Pump #	1	Product		MEHL	
RPM	35	Up	5	Pressure	4200	Amount		3196	
D-R-C	35	Down	5	Strokes/min	85	Type		MACP	
WOB	19	Fill On Bottom	0.00	Depth	1950.00				
MO	1	Remarks							
LO	1								
BS	1								

TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number	6	No	1	Mud Type	Water	Time	21:15	From	20:00
Size	159	Component	159MM BIT	Water	Oil	Depth	21:15	To	21:00
IADC Code	S 4 1 3	OD	129	Other		Deviation	1310	Elapsed	0:25
Manufacturer	REED	ID	124			Type	1310	Code	21
Type	SK413	Length	1.918					Details Of Operations In Sequence & Remarks	
Serial No	A218944	Time	23:30					20:00 21:00 1:00 6A	
Jct	11.1	Density	1310					21:00 21:15 0:25 21	
Depth Out (m)	8.7	Funnel Viscosity	74					21:15 22:00 0:75 9A	
Depth In (m)	2010.00	Fluid Loss	74					22:00 24:00 2:00 6A	
Total Drilled (m)	0.00	pH	12.27					TRIP IN HOLE FILL PIPE FLOW CHECK @ 610M	
Hrs Run Today	0.00	Location Of Sample	T4					21:00 21:15 0:25 21	
Cumulative Hrs Run	0.00	Depth	1972.00					21:15 22:00 0:75 9A	
Entry Date	24-Feb-2017	PVT	1920.00					22:00 24:00 2:00 6A	
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY	
WOB	19	Hole Drag	4	Pump #	1	Product		MEHL	
RPM	35	Up	5	Pressure	4200	Amount		3318	
D-R-C	35	Down	5	Strokes/min	85	Type		MACP	
WOB	19	Fill On Bottom	0.00	Depth	1950.00				
MO	1	Remarks							
LO	1								
BS	1								

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC259 20170225 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 25	DAILY CHECKS	OP RM	
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well Id 100/09-23-084-24W6/00	Re Entry <input type="checkbox"/>	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weedy (Using Check List) (3) H2S Signs Postcard If Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines	MM MS MS MS MS MS	
Company ARC Resources Ltd.	Contractor Precision Drilling, div of PDC	Company Job No 99	Rig No 529	Well Type HORIZ	Spoil Date Time 16-Feb-2017 17:00	Signature of Operator's Representative Mike Maddison	Signature of Contractor's Rig Manager Marc Raymond	(1) Rig Site Health & Safety Meeting (once/week/month) (2) CAODC Rig Safety Inspection Checklist (once/week/month) (3) Mast Inspection before Raising or Lowering (4) Cover Saver Checked (5) Major Risks Checked	CAODC NOW

Code	TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault																									TOTAL	FUEL @ 08:00 HRS	WEATHER
	Rig Up	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Logs	Run Cap & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Walking On	Rig Watch	Other			
Tour 1	4.75						0.25														2.75	0.25				8.00		
Tour 2	6.50						0.25														4.75	0.50				12.00		
Tour 3	2.75						0.25														1.00					4.00		
TOTAL	14.00						0.75														8.50	0.75				24.00		

TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault	START TIME 0:00	END TIME 8:00
---	-----------------	---------------


BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	REMARKS	
					INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HID-BLOW HOLE INTO WATER HOSE, SHUT DOWN WATER PUMP FIX HOSE	
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2278.00 Depth In (m): 2010.00 Total Drilled (m): 268.00 Hrs Run Today: 4.75 Cumulative Hrs Run: 4.75 Entry Date: 24-Feb-2017	1 159MM BIT 1 5.0" SEALEDED 8.8STG 1 SLIDE REAMER 1 4.75 NON FLEX-MONEL 1 4.75 GAP SUB	Mud Type: Water Density: 1310 Funnel Viscosity: 1320 Fluid Loss: 69 pH: 6.9 Location of Sample: T3 Depth: 2100.00 PVT: 44	Time: 01:00 2006.89 78.70 188.5 01:15 2016.64 80.30 190.6 01:30 2026.39 83.20 192 02:00 2036.14 85.30 192.2 02:30 2045.89 88.90 191.6 03:00 2055.64 91.60 191.3	From: 0:00 To: 4:45 Elapsed: 4:45 Code: 2 4:45 7:30 2:75 20A 7:30 7:45 0:25 7 7:45 8:00 0:25 21	Details Of Operations In Sequence & Remarks 0:00 4:45 4:75 2 DRILL 159MM HOLE FR 2010M TO 2277M. 4:45 7:30 2:75 20A DIRECTIONAL SURVEYS / CONNECTION TIME 7:30 7:45 0:25 7 RIG SERVICE FCT ANNULAR 18 SEC TO CLOSE 7:45 8:00 0:25 21 CREW CHANGE MEETING	

TOUR 2 SIGNATURE OF DRILLER Josh Gilbert	START TIME 8:00	END TIME 20:00
--	-----------------	----------------

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	REMARKS	
					INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER	
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2739.00 Depth In (m): 2010.00 Total Drilled (m): 729.00 Hrs Run Today: 6.50 Cumulative Hrs Run: 11.25 Entry Date: 24-Feb-2017	1 159MM BIT 1 5.0" SEALEDED 8.8STG 1 SLIDE REAMER 1 4.75 NON FLEX-MONEL 1 4.75 GAP SUB	Mud Type: Water Density: 1320 Funnel Viscosity: 69 Fluid Loss: 69 pH: 6.9 Location of Sample: SHAKERS Depth: 2268.00 PVT: 44	Time: 08:15 2260.39 88.10 162.5 08:30 2289.64 88.60 157.5 08:45 2275.01 88.00 160 09:15 2304.26 89.50 157.3 09:45 2318.89 91.10 154.8 10:00 2333.51 92.30 153.1	From: 8:00 To: 14:30 Elapsed: 6:50 Code: 2 14:30 14:45 0:25 7 14:45 19:30 4:75 20A 19:30 20:00 0:50 21	Details Of Operations In Sequence & Remarks 8:00 14:30 6:50 2 DRILL 159mm LATERAL SECTION FROM 2277M-2739M 14:30 14:45 0:25 7 RIG SERVICE/UPPER PIPE RAMS / 4 SEC TO CLOSE 14:45 19:30 4:75 20A DIRECTIONAL SURVEYS 19:30 20:00 0:50 21 SAFETY MEETING/CREW CHANGE	

TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault	START TIME 20:00	END TIME 24:00
---	------------------	----------------

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	REMARKS	
					INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HID-ICY MATTING FROM SNOW, STEAM THEM OFF ALL NIGHT	
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2928.00 Depth In (m): 2010.00 Total Drilled (m): 918.00 Hrs Run Today: 2.75 Cumulative Hrs Run: 14.00 Entry Date: 24-Feb-2017	1 159MM BIT 1 5.0" SEALEDED 8.8STG 1 SLIDE REAMER 1 4.75 NON FLEX-MONEL 1 4.75 GAP SUB	Mud Type: Water Density: 1300 Funnel Viscosity: 72 Fluid Loss: 72 pH: 7.2 Location of Sample: T4 Depth: 2100.00 PVT: 44	Time: 20:30 2747.11 89.60 132.8 20:45 2775.19 89.60 134.7 21:15 2803.27 88.80 134.4 22:00 2831.35 91.00 133.5 22:30 2860.60 90.70 131 23:15 2889.85 91.10 130.8	From: 20:00 To: 22:45 Elapsed: 2:75 Code: 2 22:45 23:45 1:00 20A 23:45 24:00 0:25 7	Details Of Operations In Sequence & Remarks 20:00 22:45 2:75 2 DRILL 159MM HOLE FR 2739M TO 2928M 22:45 23:45 1:00 20A DIRECTIONAL SURVEYS/CONNECTION TIME 23:45 24:00 0:25 7 RIG SERVICE CLOSE LOWER PIPE RAM 4 SEC	

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC259 20170225 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 25	DAILY CHECKS	OP RM																
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weibly (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard if Required <input type="checkbox"/> (4) Well Licence and Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Staked <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) Wellhead Checked <input type="checkbox"/> (9) Rig Site Health & Safety Meeting (on/ack/rew/month) <input type="checkbox"/> (10) CAODC Rig Safety Inspection Checklist (on/ack/rew/month) <input type="checkbox"/> (11) Mast Inspection before Raising or Lowering <input type="checkbox"/> (12) Crown Saver Checked <input type="checkbox"/> (13) Motor Vibs Checked		<table border="1"> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> </table>	MM	MS	MM	MS	MM	MS	MM	MS	MM	MS	MM	MS	MM	MS	MM	MS
MM	MS																							
MM	MS																							
MM	MS																							
MM	MS																							
MM	MS																							
MM	MS																							
MM	MS																							
MM	MS																							
Contractor ARC Resources Ltd.		Company Name Precision Drilling, div of PDC		Rig No 529	Well Type HORIZ	ReEntry <input type="checkbox"/>																		
Contractor's PSE 17DR0037		Contractor's Job No 99		Spoil Date Time 16-Feb-2017	17:00																			
Signature of Operator's Representative Mike Maddison		Signature of Contractor's Rig Manager Marc Raymond																						

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 HRS	WEATHER
HOURS	Rig Up	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Logs	Run Cag & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	8.00	19856 5962	Partly Cloudy
Tour 1	4.75						0.25														2.75	0.25				8.00	19856 5962	Partly Cloudy
Tour 2	6.50						0.25														4.75	0.50				12.00	05:45 Temp	Partly Cloudy
Tour 3	2.75						0.25														1.00					4.00	05:45 Temp	Partly Cloudy
TOTAL	14.00						0.75														8.50	0.75				24.00	05:45 Temp	Partly Cloudy

TOUR **1** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **0:00** END TIME **8:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2278.00 Depth In (m): 2010.00 Total Drilled (m): 268.00 Hrs Run Today: 4.75 Cumulative Hrs Run: 4.75 Entry Date: 24-Feb-2017	No. Component OD ID Length 1 159MM BIT 129 1 0.22 1 5.0" SEALER/7.88STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.93 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.67 51 Drill Pipe Stands 1491.75 2 Drill Pipe Singles 19.50	Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> Circulation: <input type="checkbox"/> Pump # Pressure Strokes/min Depth 1 7000 @ 86 @ 2070.00 2 114 86 23000 8.00	Time Depth Deviation Direction Type 03:15 2070.26 93.70 188 03:45 2084.89 93.20 184.5 04:15 2099.51 91.60 182.9 04:45 2114.14 91.20 181.1 05:00 2128.76 91.30 179.3 05:15 2143.39 90.80 177.2	From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HID-BLOW HOLE INTO WATER HOSE, SHUT DOWN WATER PUMP FIX HOSE

TOUR **2** SIGNATURE OF DRILLER **Josh Gilbert** START TIME **8:00** END TIME **20:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2739.00 Depth In (m): 2010.00 Total Drilled (m): 729.00 Hrs Run Today: 6.50 Cumulative Hrs Run: 11.25 Entry Date: 24-Feb-2017	No. Component OD ID Length 1 159MM BIT 129 1 0.22 1 5.0" SEALER/7.88STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.93 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.67 9 Drill Pipe Stands 227.00 0 Drill Pipe Singles 0.00	Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: BRINE Circulation: <input type="checkbox"/> Pump # Pressure Strokes/min Depth 1 8200 @ 86 @ 2660.00 2 114 86 20000 12.00 2 114 86 20000 12.00	Time Depth Deviation Direction Type 10:15 2348.14 92.50 150.4 10:45 2362.76 92.90 146.8 11:15 2377.39 93.90 144.4 11:45 2392.01 92.90 143.1 12:00 2406.64 91.70 140.1 12:30 2421.26 91.10 136.9	From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER

TOUR **3** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **20:00** END TIME **24:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2928.00 Depth In (m): 2010.00 Total Drilled (m): 918.00 Hrs Run Today: 2.75 Cumulative Hrs Run: 14.00 Entry Date: 24-Feb-2017	No. Component OD ID Length 1 159MM BIT 129 1 0.22 1 5.0" SEALER/7.88STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.93 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.67 2 Drill Pipe Stands 59.00 0 Drill Pipe Singles 0.00	Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> Circulation: <input type="checkbox"/> Pump # Pressure Strokes/min Depth 1 8000 @ 85 @ 2890.00 2 114 83 30000 4.00 2 114 83 30000 4.00	Time Depth Deviation Direction Type 04:00 2143.39 90.80 177.2 04:00 2143.39 90.80 177.2	From To Elapsed Code Details Of Operations In Sequence & Remarks Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HID-ICY MATTING FROM SNOW, STEAM THEM OFF ALL NIGHT

FRONT PAGE SUMMARY

Tour Sheet Serial Number: **PREC259 20170225_1A** Vendor Software Version: **RMS 2016.8.30.38074** Year: **2017** Month: **02** Day: **25**

License No: **032618** Well Name: **ARCRES HZ INGA B13-26-84-24** Surface Location: **13b-26-84-24 W6** Piv: **BC** Loc Type: **DLS** Unique Well ID: **100/09-23-084-24W6/00**

Contractor: **Precision Drilling, div of PDC** Contractor Job No: **529** Well Type: **HORIZ** Spool Date Time: **16-Feb-2017 17:00**

Company Name: **ARC Resources Ltd.** Signature of Contractor's Rig Manager: **Marc Raymond** Re-Entry:

DAILY CHECKS

(1) Daily Walk Around Inspection
 (2) Detailed Inspection - Weekly (Using Check List)
 (3) H2S Signs Posted if Required
 (4) Well Licence and Stick Diagram Posted
 (5) Flare Lines Scaled
 (6) BOP Tests Performed
 (7) Visually Inspected BOPs-Flare Lines & Degasser Lines
 (8) Rig Site Health & Safety Meeting (on/oc/row/month)
 (9) CAADC Rig Safety Inspection Checklist (on/oc/row/monthly)
 (10) Mast Inspection before Raising or Lowering
 (11) Cover Saver Checked
 (12) Motor Vibs Checked



Code	Rig Up	Drill Actual	Reaming	Coring	Cord Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Dring Line	Dev Survey	Wireline Logs	Run Cap & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Waiting On	Rig Watch	Other	TOTAL	
																										FUEL @ 08:00 HRS	Other
Tour 1		4.75					0.25																			8.00	19856
Tour 2		6.50					0.25																			12.00	05:45
Tour 3		2.75					0.25																			4.00	1:19
TOTAL		14.00					0.75																			24.00	FAIR

FUEL @ 08:00 HRS	Rig	19856	Other	5962
WEATHER	Time	05:45	Temp	-19
	Cover Conditions	PARTLY CLOUDY	Wind Direction	N
	Wind Strength	UP TO 19 KM/H	Road Condition	FAIR

TOUR **1** SIGNATURE OF DRILLER Sylvain Arsenault START TIME **0:00** END TIME **8:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	
				From	To
Bit Number: 6	1 159MM BIT	Mud Type: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other	05:45 2158.01 89.00 175.5		
Size: 159	1 5.0" SEALER/7.88STG		06:15 2172.64 88.50 174.8		
IADC Code: S 4 1 3	1 SLIDE REAMER		06:30 2187.26 88.90 170.9		
Manufacturer: REED	1 4.75 NON FLEX-MONEL		07:15 2201.89 89.80 168.4		
Type: SK413	1 4.75 GAP SUB		07:15 2216.51 90.20 167		
Serial No: A218944	2 4.75 NON FLEX-MONEL		07:30 2231.14 89.50 165.5		
JMS: 11.1 11.1 8.7 8.7	1 X/O SUB		SOLIDS CONTROL		
Depth Out (m): 2278.00	5 4.5" DP		Equipment Name	Hours Run	Intake Density
Depth In (m): 2010.00	1 X/O SUB		Centrifuge #1	8.00	1310 1290 1800
Total Drilled (m): 268.00	1 5.0 HYD JARS		MUD MATERIALS ADDED		
Hrs Run Today: 4.75	1 X/O SUB		Product	Amount	Type
Cumulative Hrs Run: 4.75	68 4.5" DP				
Entry Date: 24-Feb-2017	1 X/O SUB				
CUTTING STRUCTURE					
Kelly Down: 0.00			REMARKS		
Total: 2278.09			INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HIDE-BLOW HOLE INTO WATER HOSE, SHUT DOWN WATER PUMP FIX HOSE		
Weight of DC: 56.42					
Weight of String: 0.00					
METRES DRILLED					
HOLE CONDITION			BOILER		
			BoilerNo	HoursRun	pH
REDUCED PUMP SPEED			SAFETY		

TOUR **2** SIGNATURE OF DRILLER Josh Gilbert START TIME **8:00** END TIME **20:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	
				From	To
Bit Number: 6	1 159MM BIT	Mud Type: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> BRINE	12:45 2435.89 90.30 133.8		
Size: 159	1 5.0" SEALER/7.88STG		13:15 2450.51 89.10 132.5		
IADC Code: S 4 1 3	1 SLIDE REAMER		13:30 2465.14 89.10 130.6		
Manufacturer: REED	1 4.75 NON FLEX-MONEL		14:00 2479.76 89.50 129		
Type: SK413	1 4.75 GAP SUB		14:30 2494.39 88.10 127.3		
Serial No: A218944	2 4.75 NON FLEX-MONEL		14:30 2508.43 87.00 125.7		
JMS: 11.1 11.1 8.7 8.7	1 X/O SUB		SOLIDS CONTROL		
Depth Out (m): 2739.00	5 4.5" DP		Equipment Name	Hours Run	Intake Density
Depth In (m): 2010.00	1 X/O SUB		Centrifuge #1	4.00	1300 1280 1700
Total Drilled (m): 729.00	1 X/O SUB		MUD MATERIALS ADDED		
Hrs Run Today: 6.50	68 4.5" DP		Product	Amount	Type
Cumulative Hrs Run: 11.25	1 X/O SUB				
Entry Date: 24-Feb-2017	9				
CUTTING STRUCTURE					
Kelly Down: 0.00			REMARKS		
Total: 2739.09			INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER		
Weight of DC: 64.80					
Weight of String: 61.00					
METRES DRILLED					
HOLE CONDITION			BOILER		
			BoilerNo	HoursRun	pH
REDUCED PUMP SPEED			SAFETY		

TOUR **3** SIGNATURE OF DRILLER Sylvain Arsenault START TIME **20:00** END TIME **24:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	
				From	To
Bit Number: 6	1 159MM BIT	Mud Type: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/>			
Size: 159	1 5.0" SEALER/7.88STG				
IADC Code: S 4 1 3	1 SLIDE REAMER				
Manufacturer: REED	1 4.75 NON FLEX-MONEL				
Type: SK413	1 4.75 GAP SUB				
Serial No: A218944	2 4.75 NON FLEX-MONEL				
JMS: 11.1 11.1 8.7 8.7	1 X/O SUB		SOLIDS CONTROL		
Depth Out (m): 2928.00	5 4.5" DP		Equipment Name	Hours Run	Intake Density
Depth In (m): 2010.00	1 X/O SUB		Centrifuge #1	4.00	1300 1280 1700
Total Drilled (m): 918.00	1 X/O SUB		MUD MATERIALS ADDED		
Hrs Run Today: 2.75	68 4.5" DP		Product	Amount	Type
Cumulative Hrs Run: 14.00	1 X/O SUB				
Entry Date: 24-Feb-2017	2				
CUTTING STRUCTURE					
Kelly Down: 21.00			REMARKS		
Total: 2928.17			INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HIDE-ICY MATTING FROM SNOW, STEAM THEM OFF ALL NIGHT		
Weight of DC: 65.57					
Weight of String: 64.00					
METRES DRILLED					
HOLE CONDITION			BOILER		
			BoilerNo	HoursRun	pH
REDUCED PUMP SPEED			SAFETY		

FRONT PAGE SUMMARY
Tour Sheet Serial Number: PREC259 20170225 1A
Vender Software Version: RMS 2016.8.30.38074
Year: 2017, Month: 02, Day: 25
License No: 032618, Well Name: ARGRES HZ INGA B13-26-84-24
Contractor: Precision Drilling, div of PDC
Signature of Operator's Representative: Mike Maddison, Signature of Contractor's Rig Manager: Marc Raymond



Table with 25 columns representing hours for different activities (Rig Up, Drilling, Reaming, etc.) and rows for Tour 1, Tour 2, Tour 3, and a TOTAL row. Includes fuel consumption and weather data.

TOUR 1 SIGNATURE OF DRILLER: Sylvain Arsenault, START TIME: 0:00, END TIME: 8:00

TOUR 1 DATA: BITS (159MM BIT, REED SK413), DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER. Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT...

TOUR 2 SIGNATURE OF DRILLER: Josh Gilbert, START TIME: 8:00, END TIME: 20:00

TOUR 2 DATA: BITS (159MM BIT, REED SK413), DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER. Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT...

TOUR 3 SIGNATURE OF DRILLER: Sylvain Arsenault, START TIME: 20:00, END TIME: 24:00

TOUR 3 DATA: BITS (159MM BIT, REED SK413), DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER. Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT...

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC259 20170225 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 25	DAILY CHECKS	OP RM
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well Id 100/09-23-084-24W6/00	Re-Entry <input type="checkbox"/>	(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well Licence and Stick Diagram Posted (5) Flare Lines Baked (6) BOP Tests Performed (7) Visually Inspected BOPs-Flare Lines & Degasser Lines	MM MM MM MM MM MM MM MM MM MM
Contractor ARC Resources Ltd. Company's Ref 17DR0037		Precision Drilling, div of PDC Company's Job No 99		Rig No 529	Well Type HORIZ	Spud Date Time 16-Feb-2017 17:00	(1) Rig Site Health & Safety Meeting (on/oc/rew/month) (2) CAODC Rig Safety Inspection Checklist (on/oc/rew/monthly) (3) Mast Inspection before Raising or Lowering (4) Cover Slaver Checked (5) Motor Vibs Checked	
Signature of Operator's Representative Mike Maddison		Signature of Contractor's Rig Manager Marc Raymond						



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 HRS
Tour 1																										8.00	19856 5962
Tour 2																										12.00	05:45 Temp
Tour 3																										4.00	PARTLY CLOUDY Wind Strength UP TO 19 KM/H
TOTAL																										24.00	WEATHER FAIR

TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 0:00 END TIME 8:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2278.00 Depth In (m): 2010.00 Total Drilled (m): 268.00 Hrs Run Today: 4.75 Cumulative Hrs Run: 4.75 Entry Date: 24-Feb-2017	1 159MM BIT 129 1 0.22 1 5.0" SEALER/STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.94 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 63.24 1 X/O SUB 132 58 0.67 51 Drill Pipe Stands 1491.75 2 Drill Pipe Singles 19.50	Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> Circulation: 1 7000 @ 86 @ 23000 8.00 2 114 86 @ 23000 8.00	Time: 17:30 2606.71 90.80 130.9 17:45 2620.75 91.00 131.1 18:00 2634.79 91.40 130.2 18:30 2648.83 91.60 131.1 18:45 2662.87 89.90 131 19:30 2690.95 90.30 135	From To Elapsed Code Details Of Operations In Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	BOILER
Kelly Down: 0.00 Total: 2278.09 Weight of DC: 56.42 Weight of String: 61.00	Hole Drag Up: 5 Down: 4 Torque At Bottom: 6000 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 7000 @ 86 @ 2070.00	Product Amount Type	BoilerNo HoursRun pH StackTemp
METRES DRILLED	HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	BOILER
From To D-R-C RPM WOB 65 3379	Hole Drag Up: 9 Down: 12 Torque At Bottom: 87 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 8200 @ 86 @ 2690.00	Product Amount Type	BoilerNo HoursRun pH StackTemp

TOUR 2 SIGNATURE OF DRILLER Josh Gilbert START TIME 8:00 END TIME 20:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2739.00 Depth In (m): 2010.00 Total Drilled (m): 729.00 Hrs Run Today: 6.50 Cumulative Hrs Run: 11.25 Entry Date: 24-Feb-2017	1 159MM BIT 129 1 0.22 1 5.0" SEALER/STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.94 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 63.24 1 X/O SUB 132 58 0.67 9 Drill Pipe Stands 227.00 0 Drill Pipe Singles 0.00	Mud Type: Water <input type="checkbox"/> Oil <input type="checkbox"/> Other: BRINE Circulation: 1 8200 @ 86 @ 2690.00 2 114 86 @ 20000 12.00 2 114 86 @ 20000 12.00	Time: 17:30 2606.71 90.80 130.9 17:45 2620.75 91.00 131.1 18:00 2634.79 91.40 130.2 18:30 2648.83 91.60 131.1 18:45 2662.87 89.90 131 19:30 2690.95 90.30 135	From To Elapsed Code Details Of Operations In Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	BOILER
Kelly Down: 0.00 Total: 2739.09 Weight of DC: 64.80 Weight of String: 61.00	Hole Drag Up: 9 Down: 12 Torque At Bottom: 87 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 8200 @ 86 @ 2690.00	Product Amount Type	BoilerNo HoursRun pH StackTemp
METRES DRILLED	HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	BOILER
From To D-R-C RPM WOB 65 3379	Hole Drag Up: 10 Down: 18 Torque At Bottom: 9000 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 8000 @ 85 @ 2890.00	Product Amount Type	BoilerNo HoursRun pH StackTemp

TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2928.00 Depth In (m): 2010.00 Total Drilled (m): 918.00 Hrs Run Today: 2.75 Cumulative Hrs Run: 14.00 Entry Date: 24-Feb-2017	1 159MM BIT 129 1 0.22 1 5.0" SEALER/STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.94 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 63.24 1 X/O SUB 132 58 0.67 2 Drill Pipe Stands 59.00 0 Drill Pipe Singles 0.00	Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Other: <input type="checkbox"/> Circulation: 1 8000 @ 85 @ 2890.00 2 114 83 @ 30000 4.00 2 114 83 @ 30000 4.00	Time: 17:30 2606.71 90.80 130.9 17:45 2620.75 91.00 131.1 18:00 2634.79 91.40 130.2 18:30 2648.83 91.60 131.1 18:45 2662.87 89.90 131 19:30 2690.95 90.30 135	From To Elapsed Code Details Of Operations In Sequence & Remarks
CUTTING STRUCTURE	HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	BOILER
Kelly Down: 21.00 Total: 2928.17 Weight of DC: 65.57 Weight of String: 64.00	Hole Drag Up: 10 Down: 18 Torque At Bottom: 9000 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 8000 @ 85 @ 2890.00	Product Amount Type	BoilerNo HoursRun pH StackTemp
METRES DRILLED	HOLE CONDITION	REDUCED PUMP SPEED	MUD MATERIALS ADDED	BOILER
From To D-R-C RPM WOB 76 3257	Hole Drag Up: 10 Down: 18 Torque At Bottom: 9000 Fill On Bottom: 0.00	Pump # Pressure Strokes/min Depth 1 8000 @ 85 @ 2890.00	Product Amount Type	BoilerNo HoursRun pH StackTemp

FRONT PAGE SUMMARY					Tour Sheet Serial Number		Vendor Software Version		Year		Month		Day		DAILY CHECKS		OP RM		
License No		Well Name		PREC259 20170225 1A		RMS 2016.8.30.38074		2017		02		25		<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Disabled Inspection - Weighy (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard if Required <input type="checkbox"/> (4) Well Licence & Slick Diagram Posted <input type="checkbox"/> (5) Flare Lines Baked <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) Rig Site Health & Safety Meeting (on/oc/w/m/oth) <input type="checkbox"/> (9) CADC Rig Safety Inspection Checklist (on/oc/w/m/oth) <input type="checkbox"/> (10) Mast Inspection before Raising or Lowering <input type="checkbox"/> (11) Cover Sliver Checked <input type="checkbox"/> (12) Motor Vibs Checked				<input type="checkbox"/> MM <input type="checkbox"/> MS <input type="checkbox"/> MR <input type="checkbox"/> MR <input type="checkbox"/> MR <input type="checkbox"/> MR <input type="checkbox"/> MR <input type="checkbox"/> MR <input type="checkbox"/> MR <input type="checkbox"/> MR <input type="checkbox"/> MR	
032618		ARCRES HZ INGA B13-26-84-24		Surface Location		13b-26-84-24 W6		Prov		BC		DLS		100/09-23-084-24W6/00					
Contractor		Precision Drilling, div of PDC		Company Job No		99		Rig No		529		Well Type		HORIZ		Re-Entry		<input type="checkbox"/>	
Signature of Operator's Representative		Mike Maddison		Signature of Contractor's Rig Manager		Marc Raymond		Spool Date Time		16-Feb-2017		17:00							



Code	Hours																			TOTAL	FUEL @ 08:00 HRS			
	Rig Up	Drill Actual	Reaming	Coiling	Core Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drilling Line	Dev Survey	Wireline Logs	Run Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing		Dir Work	Safety Meeting	Tear Down	Walking On
Tour 1																				8.00	19856	5962		
Tour 2																				12.00	05:45	1:19		
Tour 3																				4.00	PARTLY CLOUDY	WIND STRENGTH UP TO 19 KM/H		
TOTAL																				24.00	WEATHER FAIR			

TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 0:00 END TIME 8:00

BITS			DRILLING ASSEMBLY						MUD RECORD			DEVIATION SURVEYS				TIME LOG					
Bit Number	6		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code		
Size	159		1	159MM BIT	129	1	0.22									Details of Operations In Sequence & Remarks					
IADC Code	S 4 1 3		1	5.0"SEALERS/7.88STG	124	1	9.18														
Manufacturer	REED		1	SLIDE REAMER	122	58	1.43														
Type	SK413		1	4.75 NON FLEX-MONEL	127	69	9.43														
Serial No	A218944		1	4.75 GAP SUB	122	69	1.66														
JMS	11.1	11.1	8.7	8.7	2	4.75 NON FLEX-MONEL	127	69	18.94												
Depth Out (m)	2278.00		1	X/O SUB	132	58	0.82														
Depth In (m)	2010.00		1	5.0 HYD JARS	131	59	5.19														
Total Drilled (m)	268.00		1	X/O SUB	132	58	0.80														
Hrs Run Today	4.75		68	4.5" DP	114	97	0.82														
Cumulative Hrs Run	4.75		1	X/O SUB	132	58	0.67														
Entry Date	24-Feb-2017		51	Drill Pipe	Stand	1491.75															
CUTTING STRUCTURE			2	Drill Pipe	Singles	19.50															
HOLE CONDITION			Kelly Down	0.00		Remarks															
REDCUT SPEED			Total	2278.09																	
METRES DRILLED			Weight of DC	0.00																	
From To D-R-C RPM WOB			Weight of String	0.00																	
REDUCED PUMP SPEED			Hole Drag Up	5 Down 4																	
Pump # Pressure Strokes/min Depth			1 7000 @ 86 @ 2070.00																		
SOFTENING			BoilerNo HoursRun pH StackTemp																		
TRIPPING			SAFETY Safety Topic MEHL MACP																		
																		START TIME 8:00		END TIME 20:00	

TOUR 2 SIGNATURE OF DRILLER Josh Gilbert START TIME 8:00 END TIME 20:00

BITS			DRILLING ASSEMBLY						MUD RECORD			DEVIATION SURVEYS				TIME LOG					
Bit Number	6		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code		
Size	159		1	159MM BIT	129	1	0.22				19:45	2719.03	91.40	135.1							
IADC Code	S 4 1 3		1	5.0"SEALERS/7.88STG	124	1	9.18									Details of Operations In Sequence & Remarks					
Manufacturer	REED		1	SLIDE REAMER	122	58	1.43														
Type	SK413		1	4.75 NON FLEX-MONEL	127	69	9.43														
Serial No	A218944		1	4.75 GAP SUB	122	69	1.66														
JMS	11.1	11.1	8.7	8.7	2	4.75 NON FLEX-MONEL	127	69	18.94												
Depth Out (m)	2739.00		1	X/O SUB	132	58	0.82														
Depth In (m)	2010.00		1	5.0 HYD JARS	131	59	5.19														
Total Drilled (m)	729.00		1	X/O SUB	132	58	0.80														
Hrs Run Today	6.50		68	4.5" DP	114	97	0.82														
Cumulative Hrs Run	11.25		1	X/O SUB	132	58	0.67														
Entry Date	24-Feb-2017		9	Drill Pipe	Stand	227.00															
CUTTING STRUCTURE			0	Drill Pipe	Singles	0.00															
HOLE CONDITION			Kelly Down	0.00		Remarks															
REDCUT SPEED			Total	2739.09																	
METRES DRILLED			Weight of DC	0.00																	
From To D-R-C RPM WOB			Weight of String	61.00																	
REDUCED PUMP SPEED			Hole Drag Up	9 Down 12																	
Pump # Pressure Strokes/min Depth			1 8200 @ 86 @ 2661.00																		
SOFTENING			BoilerNo HoursRun pH StackTemp																		
TRIPPING			SAFETY Safety Topic MEHL MACP																		
																		START TIME 20:00		END TIME 24:00	

TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

BITS			DRILLING ASSEMBLY						MUD RECORD			DEVIATION SURVEYS				TIME LOG					
Bit Number	6		No	Component	OD	ID	Length	Mud Type	Water	Oil	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code		
Size	159		1	159MM BIT	129	1	0.22									Details of Operations In Sequence & Remarks					
IADC Code	S 4 1 3		1	5.0"SEALERS/7.88STG	124	1	9.18														
Manufacturer	REED		1	SLIDE REAMER	122	58	1.43														
Type	SK413		1	4.75 NON FLEX-MONEL	127	69	9.43														
Serial No	A218944		1	4.75 GAP SUB	122	69	1.66														
JMS	11.1	11.1	8.7	8.7	2	4.75 NON FLEX-MONEL	127	69	18.94												
Depth Out (m)	2928.00		1	X/O SUB	132	58	0.82														
Depth In (m)	2010.00		1	5.0 HYD JARS	131	59	5.19														
Total Drilled (m)	918.00		1	X/O SUB	132	58	0.80														
Hrs Run Today	2.75		68	4.5" DP	114	97	0.82														
Cumulative Hrs Run	14.00		1	X/O SUB	132	58	0.67														
Entry Date	24-Feb-2017		2	Drill Pipe	Stand	59.00															
CUTTING STRUCTURE			0	Drill Pipe	Singles	0.00															
HOLE CONDITION			Kelly Down	21.00		Remarks															
REDCUT SPEED			Total	2928.17																	
METRES DRILLED			Weight of DC	0.00																	
From To D-R-C RPM WOB			Weight of String	64.00																	
REDUCED PUMP SPEED			Hole Drag Up	10 Down 18																	
Pump # Pressure Strokes/min Depth			1 8000 @ 85 @ 2893.00																		
SOFTENING			BoilerNo HoursRun pH StackTemp																		
TRIPPING			SAFETY Safety Topic MEHL MACP																		
																		START TIME 24:00		END TIME 00:00	

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC259 20170226 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 26	DAILY CHECKS		OP RM
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weekly (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard if Required <input type="checkbox"/> (4) Well Licence & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Staked <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs-Flare Lines & Degasser Lines <input type="checkbox"/> (8) BOP Tests Performed <input type="checkbox"/> (9) Rig Site Health & Safety Meeting (once/week/month) <input type="checkbox"/> (10) CADC Rig Safety Inspection Checklist (once/week/month) <input type="checkbox"/> (11) Mast Inspection before Raising or Lowering <input type="checkbox"/> (12) Crown Saver Checked <input type="checkbox"/> (13) Motor Vibs Checked		MMA	MMA
Company ARC Resources Ltd.	Contractor Precision Drilling, div of PDC	Contractor's Job No. 99	Rig No 529	Well Type HORIZ	Spud Date Time 16-Feb-2017	17:00	<input type="checkbox"/> (1) Rig Site Health & Safety Meeting (once/week/month) <input type="checkbox"/> (2) CADC Rig Safety Inspection Checklist (once/week/month) <input type="checkbox"/> (3) Mast Inspection before Raising or Lowering <input type="checkbox"/> (4) Crown Saver Checked <input type="checkbox"/> (5) Motor Vibs Checked		MMA
Signature of Operator's Representative Mike Maddison	Signature of Contractor's Rig Manager Marc Raymond							MMA	MMA



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 HRS	WEATHER
Tour 1		5.75							0.25																	8.00	15519	5830
Tour 2		7.25							0.25																	12.00	05:45	-10
Tour 3		3.00							0.25																	4.00	CLEAR	Wind Strength
TOTAL		16.00							0.75																	24.00	GOOD	Wind Direction

TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 0:00 END TIME 8:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 102.2	Mud Type Water	Time 00:00	Depth 2919.10	Deviation 90.10
IADC Code S 4 1 3	Manufacturer REED	No 1	Component SLIDE REAMER	OD 122	ID 98.143	Water Other	Time 00:45	Depth 2948.35	Deviation 89.30
Type SK413	Serial No A218944	No 1	Component 4.75 NON FLEX-MONEL	OD 127	ID 69.943	Other	Time 01:15	Depth 2977.60	Deviation 89.80
JMS 11.1, 11.1, 8.7, 8.7	Depth Out (m) 2277.00	No 2	Component 4.75 GAP SUB	OD 127	ID 69.166		Time 02:00	Depth 3006.85	Deviation 91.10
Depth In (m) 2010.00	Total Drilled (m) 267.00	No 2	Component 1 X/O SUB	OD 132	ID 58.082		Time 02:45	Depth 3036.10	Deviation 89.30
Hrs Run Today 5.75	Cumulative Hrs Run 19.75	No 2	Component 5.4" DP	OD 114	ID 97.4873		Time 03:15	Depth 3065.35	Deviation 89.80
Entry Date 24-Feb-2017		No 2	Component 1 X/O SUB	OD 132	ID 58.074		SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Centrifuge #1 5.00 1300 1280 1700		
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY	
Kelly Down 13.52		Hole Drag Up 15 Down 25		Pump # Pressure Strokes/min Depth		GRAPHITE NAT FLAKE 45 EACH		INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZARD ID: NOTICES PIN MISSING ON CASING RACKS WHILE LOADING CASING.	
Total Weight of DC 0.00		Torque At Bottom 9100		1 8400 @ 75 @ 382.80		WETTING AGENT CES 1 EACH		WORK WITH STEAM	
Weight of String 60.00		Fill On Bottom 0.00		2 114 83 @ 30000 8.00		ENERMUL P-100 1 EACH		MEHL 75 3257 MACP	
				1 114 83 @ 30000 8.00		SECONDARY CES 1 EACH			
				2 114 83 @ 30000 8.00		LIQUISLIDE S 2 EACH			

TOUR 2 SIGNATURE OF DRILLER Josh Gilbert START TIME 8:00 END TIME 20:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 102.2	Mud Type Water	Time 08:15	Depth 3255.47	Deviation 90.40
IADC Code S 4 1 3	Manufacturer REED	No 1	Component SLIDE REAMER	OD 122	ID 98.143	Water Other	Time 08:30	Depth 3270.10	Deviation 90.70
Type SK413	Serial No A218944	No 1	Component 4.75 NON FLEX-MONEL	OD 127	ID 69.943	Other	Time 09:00	Depth 3284.72	Deviation 91.10
JMS 11.1, 11.1, 8.7, 8.7	Depth Out (m) 3640.00	No 1	Component 4.75 GAP SUB	OD 127	ID 69.166		Time 09:15	Depth 3299.35	Deviation 91.50
Depth In (m) 2010.00	Total Drilled (m) 1630.00	No 2	Component 1 X/O SUB	OD 132	ID 58.082		Time 09:45	Depth 3313.97	Deviation 91.90
Hrs Run Today 7.25	Cumulative Hrs Run 27.00	No 2	Component 5.4" DP	OD 114	ID 97.4873		Time 10:45	Depth 3328.60	Deviation 91.80
Entry Date 24-Feb-2017		No 2	Component 1 X/O SUB	OD 132	ID 58.074		SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Centrifuge #1 4.00 1330 1310 1800		
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY	
Kelly Down 60.37		Hole Drag Up 12 Down 23		Pump # Pressure Strokes/min Depth		ENERBAR 42 SX		INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER	
Total Weight of DC 0.00		Torque At Bottom 10500		1 8700 @ 75 @ 395.80		GRAPHITE NAT FLAKE 8 SX		MOUSEHOLE CONNECTIONS	
Weight of String 63.00		Fill On Bottom 0.00		2 114 75 @ 21000 12.00		LIQUISLIDE S 2 SX		MEHL 75 3196 MACP	
				1 114 75 @ 21000 12.00		WETTING AGENT CES 1 SX			

TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG	
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 102.2	Mud Type Water	Time 20:30	Depth 3650.35	Deviation 90.30
IADC Code S 4 1 3	Manufacturer REED	No 1	Component SLIDE REAMER	OD 122	ID 98.143	Water Other	Time 21:15	Depth 3679.60	Deviation 90.00
Type SK413	Serial No A218944	No 1	Component 4.75 NON FLEX-MONEL	OD 127	ID 69.943	Other	Time 22:00	Depth 3708.85	Deviation 90.70
JMS 11.1, 11.1, 8.7, 8.7	Depth Out (m) 3897.00	No 1	Component 4.75 GAP SUB	OD 127	ID 69.166		Time 22:30	Depth 3738.10	Deviation 91.30
Depth In (m) 2010.00	Total Drilled (m) 1887.00	No 2	Component 1 X/O SUB	OD 132	ID 58.082		Time 23:00	Depth 3767.35	Deviation 90.60
Hrs Run Today 3.00	Cumulative Hrs Run 30.00	No 2	Component 5.4" DP	OD 114	ID 97.4873		Time 23:30	Depth 3781.97	Deviation 90.50
Entry Date 24-Feb-2017		No 2	Component 1 X/O SUB	OD 132	ID 58.074		SOLIDS CONTROL Equipment Name Hours Run Intake Density Over Flow Density Under Flow Density Centrifuge #1 4.00 1330 1270 1750		
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY	
Kelly Down 62.90		Hole Drag Up 12 Down 23		Pump # Pressure Strokes/min Depth		GRAPHITE NAT FLAKE 4 EACH		INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER	
Total Weight of DC 0.00		Torque At Bottom 10600		2 7400 @ 75 @ 397.20		ENERSLIDE C 12 EACH		NATURAL GAS	
Weight of String 63.00		Fill On Bottom 0.00		1 114 75 @ 29500 4.00		WETTING AGENT CES 2 EACH		MEHL 74 3196 MACP	
				2 114 75 @ 29500 4.00		ENERMUL P-100 1 EACH			
						SECONDARY CES 1 EACH			

FRONT PAGE SUMMARY

Tour Sheet Serial Number: PREC259 20170226 1A
Vender Software Version: RMS 2016.8.30.38074
Year: 2017
Month: 02
Day: 26

DAILY CHECKS

- (1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence and Stick Diagram Posted
(5) Flare Lines Scaled
(6) BOP Tests Performed
(7) Visually Inspected BOPs Flare Lines & Degasser Lines
(8) Rig Site Health & Safety Meeting (once/week/month)
(9) CADC Rig Safety Inspection Checklist (once/week/month)
(10) Mast Inspection before Raising or Lowering
(11) Cover Slaver Checked
(12) Major Vibs Checked



Table with fields for License No (032618), Well Name (ARCRES HZ INGA B13-26-84-24), Contractor (Precision Drilling, div of PDC), Well Type (DLS), and Operator (Mike Maddison).

Table showing hours worked by tour (Tour 1, Tour 2, Tour 3) across various activities like Rig Up, Drilling, Reaming, etc., with a total of 24.00 hours.

TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 0:00 END TIME 8:00

Table with columns: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG. Includes data for bit number 6, size 159, and various mud logs.

TOUR 2 SIGNATURE OF DRILLER Josh Gilbert START TIME 8:00 END TIME 20:00

Table with columns: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG. Includes data for bit number 6, size 159, and various mud logs.

TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

Table with columns: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG. Includes data for bit number 6, size 159, and various mud logs.

FRONT PAGE SUMMARY				Tour Sheet Serial Number PREC529 20170226 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 26	DAILY CHECKS		OP RM																
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prod Loc Type BC	Unique Well ID 100/09-23-084-24W6/00	Well Type DLS	ReEntry <input type="checkbox"/>		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Postcard if Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Scaled (6) ROP Tests Performed (7) Visually Inspected BOPs-Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once/week/month) (9) CADC Rig Safety Inspection Checklist (once/monthly) (10) Master Inspection before Raising or Lowering (11) Cover Saver Checked (12) Motor Vibs Checked		<table border="1" style="width:100%; text-align: center;"> <tr><td>MMS</td><td>MPS</td></tr> <tr><td>MMS</td><td>MPS</td></tr> <tr><td>MMS</td><td>MPS</td></tr> <tr><td>MMS</td><td>MPS</td></tr> <tr><td>MMS</td><td>MPS</td></tr> <tr><td>MMS</td><td>MPS</td></tr> <tr><td>MMS</td><td>MPS</td></tr> <tr><td>MMS</td><td>MPS</td></tr> </table>		MMS	MPS	MMS	MPS	MMS	MPS	MMS	MPS	MMS	MPS	MMS	MPS	MMS	MPS	MMS	MPS
MMS	MPS																										
MMS	MPS																										
MMS	MPS																										
MMS	MPS																										
MMS	MPS																										
MMS	MPS																										
MMS	MPS																										
MMS	MPS																										
Contractor ARC Resources Ltd.			Company Name Precision Drilling, div of PDC			Contractor's Job No. 99		Spud Date Time 16-Feb-2017		Rig Release Date Time 17:00		 															
Signature of Operator's Representative Mike Maddison			Signature of Contractor's Rig Manager Marc Raymond																								

Code	TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault																				TOTAL	FUEL @ 08:00 HRS	WEATHER	
	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 BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work				Safety Meeting
Tour 1																					8.00	15519 5830	5.9 4346	CLEAR Wind Direction: N Wind Strength: CALM Road Condition: GOOD
Tour 2																					12.00	05:45 1-10		
Tour 3																					4.00			
TOTAL																					24.00			

TOUR 1 SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **0:00** END TIME **8:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	TOUR 2 SIGNATURE OF DRILLER Josh Gilbert																																																																																																																								
					START TIME 8:00	END TIME 20:00																																																																																																																							
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 2277.00 Depth In (m): 2010.00 Total Drilled (m): 267.00 Hrs Run Today: 5.75 Cumulative Hrs Run: 19.75 Entry Date: 24-Feb-2017	<table border="1" style="width:100%; text-align: center;"> <tr><th>No</th><th>Component</th><th>OD</th><th>ID</th><th>Length</th></tr> <tr><td>1</td><td>159MM BIT</td><td>129</td><td>1</td><td>0.22</td></tr> <tr><td>1</td><td>5.0" SEALER/7.88STG</td><td>124</td><td>1</td><td>9.18</td></tr> <tr><td>1</td><td>SLIDE REAMER</td><td>122</td><td>58</td><td>1.43</td></tr> <tr><td>1</td><td>4.75 NON FLEX-MONEL</td><td>127</td><td>69</td><td>9.43</td></tr> <tr><td>1</td><td>4.75 GAP SUB</td><td>122</td><td>69</td><td>1.66</td></tr> <tr><td>2</td><td>4.75 NON FLEX-MONEL</td><td>127</td><td>69</td><td>18.94</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.82</td></tr> <tr><td>1</td><td>5.4" DP</td><td>114</td><td>97</td><td>48.73</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.74</td></tr> <tr><td>1</td><td>5.0 HYD JARS</td><td>131</td><td>59</td><td>5.19</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.80</td></tr> <tr><td>68</td><td>4.5" DP</td><td>114</td><td>97</td><td>68.00</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.67</td></tr> <tr><td>17</td><td>Drill Pipe</td><td>Standards</td><td></td><td>497.25</td></tr> <tr><td>0</td><td>Drill Pipe</td><td>Singles</td><td></td><td>0.00</td></tr> </table>	No	Component	OD	ID	Length	1	159MM BIT	129	1	0.22	1	5.0" SEALER/7.88STG	124	1	9.18	1	SLIDE REAMER	122	58	1.43	1	4.75 NON FLEX-MONEL	127	69	9.43	1	4.75 GAP SUB	122	69	1.66	2	4.75 NON FLEX-MONEL	127	69	18.94	1	X/O SUB	132	58	0.82	1	5.4" DP	114	97	48.73	1	X/O SUB	132	58	0.74	1	5.0 HYD JARS	131	59	5.19	1	X/O SUB	132	58	0.80	68	4.5" DP	114	97	68.00	1	X/O SUB	132	58	0.67	17	Drill Pipe	Standards		497.25	0	Drill Pipe	Singles		0.00	<table border="1" style="width:100%; text-align: center;"> <tr><th>Mud Type</th><th>Water</th><th>Oil</th></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr> </table>	Mud Type	Water	Oil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<table border="1" style="width:100%; text-align: center;"> <tr><th>Time</th><th>Depth</th><th>Deviation</th><th>Direction</th><th>Type</th></tr> <tr><td>07:45</td><td>3240.85</td><td>89.50</td><td>132.9</td><td></td></tr> </table>	Time	Depth	Deviation	Direction	Type	07:45	3240.85	89.50	132.9		<table border="1" style="width:100%; text-align: center;"> <tr><th>From</th><th>To</th><th>Elapsed</th><th>Code</th></tr> <tr><td></td><td></td><td></td><td></td></tr> </table>	From	To	Elapsed	Code					<table border="1" style="width:100%; text-align: center;"> <tr><th>Pump #</th><th>Pressure</th><th>Strokes/min</th><th>Depth</th></tr> <tr><td>1</td><td>8400</td><td>75</td><td>362.00</td></tr> </table>	Pump #	Pressure	Strokes/min	Depth	1	8400	75	362.00	<table border="1" style="width:100%; text-align: center;"> <tr><th>Product</th><th>Amount</th><th>Type</th></tr> <tr><td></td><td></td><td></td></tr> </table>	Product	Amount	Type				Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZARD ID: NOTICES PIN MISSING ON CASING RACKS WHILE LOADING CASING.
No	Component	OD	ID	Length																																																																																																																									
1	159MM BIT	129	1	0.22																																																																																																																									
1	5.0" SEALER/7.88STG	124	1	9.18																																																																																																																									
1	SLIDE REAMER	122	58	1.43																																																																																																																									
1	4.75 NON FLEX-MONEL	127	69	9.43																																																																																																																									
1	4.75 GAP SUB	122	69	1.66																																																																																																																									
2	4.75 NON FLEX-MONEL	127	69	18.94																																																																																																																									
1	X/O SUB	132	58	0.82																																																																																																																									
1	5.4" DP	114	97	48.73																																																																																																																									
1	X/O SUB	132	58	0.74																																																																																																																									
1	5.0 HYD JARS	131	59	5.19																																																																																																																									
1	X/O SUB	132	58	0.80																																																																																																																									
68	4.5" DP	114	97	68.00																																																																																																																									
1	X/O SUB	132	58	0.67																																																																																																																									
17	Drill Pipe	Standards		497.25																																																																																																																									
0	Drill Pipe	Singles		0.00																																																																																																																									
Mud Type	Water	Oil																																																																																																																											
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																																																																																											
Time	Depth	Deviation	Direction	Type																																																																																																																									
07:45	3240.85	89.50	132.9																																																																																																																										
From	To	Elapsed	Code																																																																																																																										
Pump #	Pressure	Strokes/min	Depth																																																																																																																										
1	8400	75	362.00																																																																																																																										
Product	Amount	Type																																																																																																																											



TOUR 2 SIGNATURE OF DRILLER **Josh Gilbert** START TIME **8:00** END TIME **20:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault																																																																																																																																																	
					START TIME 20:00	END TIME 24:00																																																																																																																																																
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 3640.00 Depth In (m): 2010.00 Total Drilled (m): 1630.00 Hrs Run Today: 7.25 Cumulative Hrs Run: 27.00 Entry Date: 24-Feb-2017	<table border="1" style="width:100%; text-align: center;"> <tr><th>No</th><th>Component</th><th>OD</th><th>ID</th><th>Length</th></tr> <tr><td>1</td><td>159MM BIT</td><td>129</td><td>1</td><td>0.22</td></tr> <tr><td>1</td><td>5.0" SEALER/7.88STG</td><td>124</td><td>1</td><td>9.18</td></tr> <tr><td>1</td><td>SLIDE REAMER</td><td>122</td><td>58</td><td>1.43</td></tr> <tr><td>1</td><td>4.75 NON FLEX-MONEL</td><td>127</td><td>69</td><td>9.43</td></tr> <tr><td>1</td><td>4.75 GAP SUB</td><td>122</td><td>69</td><td>1.66</td></tr> <tr><td>2</td><td>4.75 NON FLEX-MONEL</td><td>127</td><td>69</td><td>18.94</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.82</td></tr> <tr><td>1</td><td>5.4" DP</td><td>114</td><td>97</td><td>48.73</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.74</td></tr> <tr><td>1</td><td>5.0 HYD JARS</td><td>131</td><td>59</td><td>5.19</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.80</td></tr> <tr><td>68</td><td>4.5" DP</td><td>114</td><td>97</td><td>68.00</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.67</td></tr> <tr><td>30</td><td>Drill Pipe</td><td>Standards</td><td></td><td>877.50</td></tr> <tr><td>0</td><td>Drill Pipe</td><td>Singles</td><td></td><td>0.00</td></tr> </table>	No	Component	OD	ID	Length	1	159MM BIT	129	1	0.22	1	5.0" SEALER/7.88STG	124	1	9.18	1	SLIDE REAMER	122	58	1.43	1	4.75 NON FLEX-MONEL	127	69	9.43	1	4.75 GAP SUB	122	69	1.66	2	4.75 NON FLEX-MONEL	127	69	18.94	1	X/O SUB	132	58	0.82	1	5.4" DP	114	97	48.73	1	X/O SUB	132	58	0.74	1	5.0 HYD JARS	131	59	5.19	1	X/O SUB	132	58	0.80	68	4.5" DP	114	97	68.00	1	X/O SUB	132	58	0.67	30	Drill Pipe	Standards		877.50	0	Drill Pipe	Singles		0.00	<table border="1" style="width:100%; text-align: center;"> <tr><th>Mud Type</th><th>Water</th><th>Oil</th></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr> </table>	Mud Type	Water	Oil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<table border="1" style="width:100%; text-align: center;"> <tr><th>Time</th><th>Depth</th><th>Deviation</th><th>Direction</th><th>Type</th></tr> <tr><td>14:30</td><td>3489.47</td><td>91.70</td><td>133.7</td><td></td></tr> <tr><td>15:00</td><td>3504.10</td><td>90.10</td><td>133.5</td><td></td></tr> <tr><td>15:30</td><td>3518.72</td><td>88.60</td><td>135.1</td><td></td></tr> <tr><td>16:00</td><td>3533.35</td><td>88.50</td><td>135.1</td><td></td></tr> <tr><td>17:00</td><td>3562.60</td><td>88.40</td><td>135.1</td><td></td></tr> <tr><td>17:45</td><td>3577.22</td><td>88.40</td><td>133.6</td><td></td></tr> </table>	Time	Depth	Deviation	Direction	Type	14:30	3489.47	91.70	133.7		15:00	3504.10	90.10	133.5		15:30	3518.72	88.60	135.1		16:00	3533.35	88.50	135.1		17:00	3562.60	88.40	135.1		17:45	3577.22	88.40	133.6		<table border="1" style="width:100%; text-align: center;"> <tr><th>From</th><th>To</th><th>Elapsed</th><th>Code</th></tr> <tr><td></td><td></td><td></td><td></td></tr> </table>	From	To	Elapsed	Code					<table border="1" style="width:100%; text-align: center;"> <tr><th>Pump #</th><th>Pressure</th><th>Strokes/min</th><th>Depth</th></tr> <tr><td>1</td><td>8700</td><td>75</td><td>395.00</td></tr> </table>	Pump #	Pressure	Strokes/min	Depth	1	8700	75	395.00	<table border="1" style="width:100%; text-align: center;"> <tr><th>Product</th><th>Amount</th><th>Type</th></tr> <tr><td></td><td></td><td></td></tr> </table>	Product	Amount	Type				Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER
No	Component	OD	ID	Length																																																																																																																																																		
1	159MM BIT	129	1	0.22																																																																																																																																																		
1	5.0" SEALER/7.88STG	124	1	9.18																																																																																																																																																		
1	SLIDE REAMER	122	58	1.43																																																																																																																																																		
1	4.75 NON FLEX-MONEL	127	69	9.43																																																																																																																																																		
1	4.75 GAP SUB	122	69	1.66																																																																																																																																																		
2	4.75 NON FLEX-MONEL	127	69	18.94																																																																																																																																																		
1	X/O SUB	132	58	0.82																																																																																																																																																		
1	5.4" DP	114	97	48.73																																																																																																																																																		
1	X/O SUB	132	58	0.74																																																																																																																																																		
1	5.0 HYD JARS	131	59	5.19																																																																																																																																																		
1	X/O SUB	132	58	0.80																																																																																																																																																		
68	4.5" DP	114	97	68.00																																																																																																																																																		
1	X/O SUB	132	58	0.67																																																																																																																																																		
30	Drill Pipe	Standards		877.50																																																																																																																																																		
0	Drill Pipe	Singles		0.00																																																																																																																																																		
Mud Type	Water	Oil																																																																																																																																																				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																																																																																																																				
Time	Depth	Deviation	Direction	Type																																																																																																																																																		
14:30	3489.47	91.70	133.7																																																																																																																																																			
15:00	3504.10	90.10	133.5																																																																																																																																																			
15:30	3518.72	88.60	135.1																																																																																																																																																			
16:00	3533.35	88.50	135.1																																																																																																																																																			
17:00	3562.60	88.40	135.1																																																																																																																																																			
17:45	3577.22	88.40	133.6																																																																																																																																																			
From	To	Elapsed	Code																																																																																																																																																			
Pump #	Pressure	Strokes/min	Depth																																																																																																																																																			
1	8700	75	395.00																																																																																																																																																			
Product	Amount	Type																																																																																																																																																				

TOUR 3 SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **20:00** END TIME **24:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG	TOUR 4 SIGNATURE OF DRILLER Sylvain Arsenault																																																																																																																												
					START TIME 24:00	END TIME 00:00																																																																																																																											
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 3897.00 Depth In (m): 2010.00 Total Drilled (m): 1887.00 Hrs Run Today: 3.00 Cumulative Hrs Run: 30.00 Entry Date: 24-Feb-2017	<table border="1" style="width:100%; text-align: center;"> <tr><th>No</th><th>Component</th><th>OD</th><th>ID</th><th>Length</th></tr> <tr><td>1</td><td>159MM BIT</td><td>129</td><td>1</td><td>0.22</td></tr> <tr><td>1</td><td>5.0" SEALER/7.88STG</td><td>124</td><td>1</td><td>9.18</td></tr> <tr><td>1</td><td>SLIDE REAMER</td><td>122</td><td>58</td><td>1.43</td></tr> <tr><td>1</td><td>4.75 NON FLEX-MONEL</td><td>127</td><td>69</td><td>9.43</td></tr> <tr><td>1</td><td>4.75 GAP SUB</td><td>122</td><td>69</td><td>1.66</td></tr> <tr><td>2</td><td>4.75 NON FLEX-MONEL</td><td>127</td><td>69</td><td>18.94</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.82</td></tr> <tr><td>1</td><td>5.4" DP</td><td>114</td><td>97</td><td>48.73</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.74</td></tr> <tr><td>1</td><td>5.0 HYD JARS</td><td>131</td><td>59</td><td>5.19</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.80</td></tr> <tr><td>68</td><td>4.5" DP</td><td>114</td><td>97</td><td>68.00</td></tr> <tr><td>1</td><td>X/O SUB</td><td>132</td><td>58</td><td>0.67</td></tr> <tr><td>32</td><td>Drill Pipe</td><td>Standards</td><td></td><td>948.00</td></tr> <tr><td>0</td><td>Drill Pipe</td><td>Singles</td><td></td><td>0.00</td></tr> </table>	No	Component	OD	ID	Length	1	159MM BIT	129	1	0.22	1	5.0" SEALER/7.88STG	124	1	9.18	1	SLIDE REAMER	122	58	1.43	1	4.75 NON FLEX-MONEL	127	69	9.43	1	4.75 GAP SUB	122	69	1.66	2	4.75 NON FLEX-MONEL	127	69	18.94	1	X/O SUB	132	58	0.82	1	5.4" DP	114	97	48.73	1	X/O SUB	132	58	0.74	1	5.0 HYD JARS	131	59	5.19	1	X/O SUB	132	58	0.80	68	4.5" DP	114	97	68.00	1	X/O SUB	132	58	0.67	32	Drill Pipe	Standards		948.00	0	Drill Pipe	Singles		0.00	<table border="1" style="width:100%; text-align: center;"> <tr><th>Mud Type</th><th>Water</th><th>Oil</th></tr> <tr><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr> </table>	Mud Type	Water	Oil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<table border="1" style="width:100%; text-align: center;"> <tr><th>Time</th><th>Depth</th><th>Deviation</th><th>Direction</th><th>Type</th></tr> <tr><td>4:00</td><td>1330</td><td>1270</td><td>1750</td><td></td></tr> </table>	Time	Depth	Deviation	Direction	Type	4:00	1330	1270	1750		<table border="1" style="width:100%; text-align: center;"> <tr><th>From</th><th>To</th><th>Elapsed</th><th>Code</th></tr> <tr><td></td><td></td><td></td><td></td></tr> </table>	From	To	Elapsed	Code					<table border="1" style="width:100%; text-align: center;"> <tr><th>Pump #</th><th>Pressure</th><th>Strokes/min</th><th>Depth</th></tr> <tr><td>1</td><td>7400</td><td>75</td><td>397.00</td></tr> <tr><td>2</td><td>7400</td><td>75</td><td>397.00</td></tr> </table>	Pump #	Pressure	Strokes/min	Depth	1	7400	75	397.00	2	7400	75	397.00	<table border="1" style="width:100%; text-align: center;"> <tr><th>Product</th><th>Amount</th><th>Type</th></tr> <tr><td></td><td></td><td></td></tr> </table>	Product	Amount	Type				Remarks: INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER
No	Component	OD	ID	Length																																																																																																																													
1	159MM BIT	129	1	0.22																																																																																																																													
1	5.0" SEALER/7.88STG	124	1	9.18																																																																																																																													
1	SLIDE REAMER	122	58	1.43																																																																																																																													
1	4.75 NON FLEX-MONEL	127	69	9.43																																																																																																																													
1	4.75 GAP SUB	122	69	1.66																																																																																																																													
2	4.75 NON FLEX-MONEL	127	69	18.94																																																																																																																													
1	X/O SUB	132	58	0.82																																																																																																																													
1	5.4" DP	114	97	48.73																																																																																																																													
1	X/O SUB	132	58	0.74																																																																																																																													
1	5.0 HYD JARS	131	59	5.19																																																																																																																													
1	X/O SUB	132	58	0.80																																																																																																																													
68	4.5" DP	114	97	68.00																																																																																																																													
1	X/O SUB	132	58	0.67																																																																																																																													
32	Drill Pipe	Standards		948.00																																																																																																																													
0	Drill Pipe	Singles		0.00																																																																																																																													
Mud Type	Water	Oil																																																																																																																															
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>																																																																																																																															
Time	Depth	Deviation	Direction	Type																																																																																																																													
4:00	1330	1270	1750																																																																																																																														
From	To	Elapsed	Code																																																																																																																														
Pump #	Pressure	Strokes/min	Depth																																																																																																																														
1	7400	75	397.00																																																																																																																														
2	7400	75	397.00																																																																																																																														
Product	Amount	Type																																																																																																																															

TOUR 4 SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **24:00** END TIME **00:00**

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC529 20170226 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 26	DAILY CHECKS		OP RM		
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	(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 Scaled (6) BOP Tests Performed (7) Visually Inspected BOPs-Flare Lines & Degasser Lines		<input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS		 	
Company ARC Resources Ltd.	Contractor Precision Drilling, div of PDC	Contractor Job No 99	Rig No 529	Well Type HORIZ	Re Entry <input type="checkbox"/>	(1) Rig Site Health & Safety Meeting (on/oc/rew/month) (2) CAODC Rig Safety Inspection Checklist (on/oc/rew/month) (3) Mast Inspection before Raising or Lowering (4) Crown Saver Checked (5) Motor Vibs Checked		<input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS <input type="checkbox"/> MMS			
Operator 17DR0037	Signature of Operator's Representative Mike Maddison	Signature of Contractor's Rig Manager Marc Raymond	Squad Date Time 16-Feb-2017	Rig Release Date Time 17:00							

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 HRS	WELL	WEATHER	
Tour 1		5.75						0.25																		8.00	15519	5830	5.9	4346
Tour 2		7.25						0.25																		12.00	0545	-10		
Tour 3		3.00						0.25																		4.00				
TOTAL		16.00						0.75																		24.00				

TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 0:00 END TIME 8:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG												
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 102.2	Mud Type Water	Other <input type="checkbox"/>	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks			
IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	JMS 11.1 11.1 8.7 8.7		Circulation		SOLIDS CONTROL		MUD MATERIALS ADDED		SAFETY								
Depth Out (m) 2277.00	Depth In (m) 2010.00	Total Drilled (m) 267.00	Hrs Run Today 5.75	Cumulative Hrs Run 19.75	Entry Date 24-Feb-2017	REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY										
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		DEVIATION SURVEYS		TIME LOG												
TO MDC LOC BRS	Uggs COC Ream Tail Run (m)	Kelly Down Total Weight of DC Weight of String	Hole Drag Up Torque At Bottom Fill On Bottom	Pump # 1	Pressure 8400	Strokes/min 75	Depth 382.80	Time 18:00	Depth 3591.85	Deviation 89.30	Direction 134.2	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks			
From To	D-R-C RPM WOB	15 Down 25	12 Down 23	1	8700	75	393.80	18:45	3621.10	90.20	130.7						INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZARD ID: NOTICES PIN MISSING ON CASING RACKS WHILE LOADING CASING.			

TOUR 2 SIGNATURE OF DRILLER Josh Gilbert START TIME 8:00 END TIME 20:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG												
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 102.2	Mud Type Water	Other <input type="checkbox"/>	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks			
IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	JMS 11.1 11.1 8.7 8.7		Circulation		SOLIDS CONTROL		MUD MATERIALS ADDED		SAFETY								
Depth Out (m) 3640.00	Depth In (m) 2010.00	Total Drilled (m) 1630.00	Hrs Run Today 7.25	Cumulative Hrs Run 27.00	Entry Date 24-Feb-2017	REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY										
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		DEVIATION SURVEYS		TIME LOG												
TO MDC LOC BRS	Uggs COC Ream Tail Run (m)	Kelly Down Total Weight of DC Weight of String	Hole Drag Up Torque At Bottom Fill On Bottom	Pump # 1	Pressure 8700	Strokes/min 75	Depth 393.80	19:45	3621.10	90.20	130.7						INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER			
From To	D-R-C RPM WOB	12 Down 23	12 Down 23	1	8700	75	393.80										MOUSEHOLE CONNECTIONS			

TOUR 3 SIGNATURE OF DRILLER Sylvain Arsenault START TIME 20:00 END TIME 24:00

BITS		DRILLING ASSEMBLY		MUD RECORD		DEVIATION SURVEYS		TIME LOG												
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 102.2	Mud Type Water	Other <input type="checkbox"/>	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks			
IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	JMS 11.1 11.1 8.7 8.7		Circulation		SOLIDS CONTROL		MUD MATERIALS ADDED		SAFETY								
Depth Out (m) 3897.00	Depth In (m) 2010.00	Total Drilled (m) 1887.00	Hrs Run Today 3.00	Cumulative Hrs Run 30.00	Entry Date 24-Feb-2017	REDUCED PUMP SPEED		MUD MATERIALS ADDED		SAFETY										
CUTTING STRUCTURE		HOLE CONDITION		REDUCED PUMP SPEED		DEVIATION SURVEYS		TIME LOG												
TO MDC LOC BRS	Uggs COC Ream Tail Run (m)	Kelly Down Total Weight of DC Weight of String	Hole Drag Up Torque At Bottom Fill On Bottom	Pump # 2	Pressure 7400	Strokes/min 75	Depth 397.80										INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER			
From To	D-R-C RPM WOB	12 Down 23	12 Down 23	2	7400	75	397.80										NATURAL GAS			

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC259 20170227 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 27	DAILY CHECKS	OP RM									
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weibly (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard If Required <input type="checkbox"/> (4) Well License & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Staked <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs Flare Lines & Degasser Lines <input type="checkbox"/> (8) CADC Rig Safety Inspection Checklist (over/mo/wh) (1) <input type="checkbox"/> (9) CADC Rig Safety Inspection Checklist (over/mo/wh) (2) <input type="checkbox"/> (10) Safety Inspection before Raising or Lowering <input type="checkbox"/> (11) Crown Saver Checked <input type="checkbox"/> (12) Motor Vibs Checked			<table border="1"> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> <tr><td>MM</td><td>MS</td></tr> </table>	MM	MS	MM	MS	MM	MS	MM	MS
MM	MS																
MM	MS																
MM	MS																
MM	MS																
Contractor ARC Resources Ltd.		Precision Drilling, div of PDC		Contractor Job No 99		Spud Date Time 16-Feb-2017		17:00									
Signature of Operator's Representative Mike Maddison		Signature of Contractor's Rig Manager Mark Raymond		Rig Release Date Time													



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	FUEL @ 08:00 HRS	WELL	WEATHER	
Hour 1																										8.00	11174	5820	06:00	14	F
Hour 2																										12.00	06:00	14	F		
Hour 3																										4.00	06:00	14	F		
TOTAL																										24.00	06:00	14	F		

TOUR 1 SIGNATURE OF DRILLER: **Sylvain Arsenault** START TIME: **0:00** END TIME: **8:00**

BITS				DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG									
Bit Number 6	Size 159	IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	JMS 11.1, 11.1, 8.7, 8.7	Depth Out (m) 4005.00	Depth In (m) 2010.00	Total Drilled (m) 1995.00	Hrs Run Today 4.25	Cumulative Hrs Run 34.25	Entry Date 24-Feb-2017	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks			
1 159MM BIT 1 5.0 SEAL/EDGE/8.85TG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.90 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.70 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 63.20 1 X/O SUB 132 58 0.67 41 Drill Pipe Stands 1199.25 0 Drill Pipe Singles 0.00				Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 01:15 to 02:30 Density: 1330 Funnel Viscosity: 69 Fluid Loss: 69 pH: 11.4 Location Of Sample: T4 Depth: 114.97 PVT: 48.70 Circulation: Pump # 1, Type 2, Pressure 114, SPM 75, Hs Run 29600, 8.00 MUD MATERIALS ADDED: 2 114 75 29600 8.00				00:45 3796.60 90.40 132.1 01:00 3811.22 91.10 132.2 01:30 3825.85 90.80 131 01:45 3840.47 90.40 130.7 02:45 3855.10 90.60 133.6 03:15 3869.72 91.00 132				0:00 4:15 4:25 2 4:15 7:30 3:25 20A 7:30 7:45 0:25 7 7:45 8:00 0:25 21				DRILL 159MM HOLE FR 3757M TO 4005M DIRECTIONAL SURVEYS/CONNECTION TIME RIG SERVICE FCT ANNULAR 18 SEC TO CLOSE CREW CHANGE MEETING									
CUTTING STRUCTURE Kelly Down: -43.00 Total: 4005.30 Weight of DC: 0.00 Weight of String: 60.00				HOLE CONDITION Hole Drag Up: 12, Down: 26 Torque At Bottom: 10500 Fill On Bottom: 0.00				REDUCED PUMP SPEED Pump # 1, Pressure 800, Strokes/min 76, Depth 4005.00 Pump # 2, Pressure 114, Strokes/min 75, Depth 29600.00				BOILER 1 8.00 11 280				SAFETY BOILER BLOWDOWN Safety Topic: MEHL, 3196 MACP									

TOUR 2 SIGNATURE OF DRILLER: **Josh Gilbert** START TIME: **8:00** END TIME: **20:00**

BITS				DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG									
Bit Number 6	Size 159	IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	JMS 11.1, 11.1, 8.7, 8.7	Depth Out (m) 4258.00	Depth In (m) 2010.00	Total Drilled (m) 2248.00	Hrs Run Today 9.25	Cumulative Hrs Run 43.50	Entry Date 24-Feb-2017	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks			
1 159MM BIT 1 5.0 SEAL/EDGE/8.85TG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.90 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.70 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 63.20 1 X/O SUB 132 58 0.67 48 Drill Pipe Stands 1404.00 0 Drill Pipe Singles 0.00				Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 08:30 to 11:45 Density: 1310 Funnel Viscosity: 75 Fluid Loss: 75 pH: 11.4 Location Of Sample: SUCTION Depth: 114.97 PVT: 48.70 Circulation: Pump # 1, Type 2, Pressure 114, SPM 75, Hs Run 21000, 12.00 MUD MATERIALS ADDED: 2 114 75 21000 12.00				09:00 4001.35 90.00 132.9 09:30 4015.97 91.00 132 10:00 4030.60 90.40 131.3 10:45 4045.22 90.10 130.7 11:15 4059.85 90.90 131.8 12:30 4074.47 90.70 130.2				8:00 17:15 9:25 2 17:15 17:30 0:25 7 17:30 19:45 2:25 20A 19:45 20:00 0:25 21				DRILL 159mm LATERAL SECTION FROM 4005M TO 4258M DIRECTIONAL SURVEYS RIG SERVICE/UPDR 4 SEC TC SAFETY MEETING/CREW CHANGE MEETING									
CUTTING STRUCTURE Kelly Down: 5.00 Total: 4258.05 Weight of DC: 0.00 Weight of String: 63.00				HOLE CONDITION Hole Drag Up: 15, Down: 25 Torque At Bottom: 12500 Fill On Bottom: 0.00				REDUCED PUMP SPEED Pump # 1, Pressure 800, Strokes/min 75, Depth 4258.00 Pump # 2, Pressure 114, Strokes/min 75, Depth 21000.00				BOILER 1 12.00 11 280				SAFETY MOUSEHOLE CONNECTIONS Safety Topic: MEHL, 3373 MACP									

TOUR 3 SIGNATURE OF DRILLER: **Sylvain Arsenault** START TIME: **20:00** END TIME: **24:00**

BITS				DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG									
Bit Number 6	Size 159	IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	JMS 11.1, 11.1, 8.7, 8.7	Depth Out (m) 4355.00	Depth In (m) 2010.00	Total Drilled (m) 2345.00	Hrs Run Today 2.50	Cumulative Hrs Run 46.00	Entry Date 24-Feb-2017	Time	Depth	Deviation	Direction	Type	From	To	Elapsed	Code	Details Of Operations In Sequence & Remarks			
1 159MM BIT 1 5.0 SEAL/EDGE/8.85TG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.90 1 X/O SUB 132 58 0.82 5 4.5" DP 114 97 48.70 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 63.20 1 X/O SUB 132 58 0.67 51 Drill Pipe Stands 1491.75 2 Drill Pipe Singles 14.20				Mud Type: Water <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Time: 21:45 to 23:45 Density: 1320 Funnel Viscosity: 68 Fluid Loss: 68 pH: 11.4 Location Of Sample: T4 Depth: 4305.00 PVT: 45 Circulation: Pump # 1, Type 2, Pressure 114, SPM 75, Hs Run 30000, 4.00 MUD MATERIALS ADDED: 2 114 75 30000 4.00				20:45 4264.60 90.60 132.5 21:00 4279.22 91.00 132.5 21:45 4264.60 90.60 132.5 22:00 4293.85 91.10 130.9 22:30 4308.47 90.00 132 22:45 4323.10 90.30 131.4				20:00 22:30 2:50 2 22:30 23:15 0:75 20A 23:15 23:30 0:25 7 23:30 24:00 0:50 5				DRILL 159MM HOLE FR 4258M TO 4355M DIRECTIONAL SURVEYS RIG SERVICE FCT LOWER PIPE RAM 3 SEC TO CLOSE CONDITION MUD & CIRCULATE									
CUTTING STRUCTURE Kelly Down: 0.00 Total: 4355.00 Weight of DC: 0.00 Weight of String: 64.00				HOLE CONDITION Hole Drag Up: 12, Down: 25 Torque At Bottom: 11000 Fill On Bottom: 0.00				REDUCED PUMP SPEED Pump # 2, Pressure 800, Strokes/min 75, Depth 4324.00 Pump # 1, Pressure 114, Strokes/min 75, Depth 30000.00				BOILER 1 4.00 11 300				SAFETY WORK ON CASING Safety Topic: MEHL, 3257 MACP									

FRONT PAGE SUMMARY

Tour Sheet Serial Number: PREC259 20170227 1A
Vendor Software Version: RMS 2016.8.30.38074
Year: 2017, Month: 02, Day: 27
License No: 032618, Well Name: ARGRES HZ INGA B13-26-84-24
Surface Location: 13b-26-84-24 W6
Rig No: 529, Well Type: DLS, Unique Well ID: 100/09-23-084-24W6/00

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 Baked
(6) BOP Tests Performed
(7) Visually Inspected BOPs - Flare Lines & Degasser Lines



Contractor: Precision Drilling, div of PDC
Company: JBC
99
Signature of Contractor's Rig Manager: Marc Raymond
Rig Release Date: 16-Feb-2017, 17:00

Table with 25 columns for hours worked per day (Code 1-25) and rows for Tour 1, Tour 2, Tour 3, and TOTAL. Includes totals for Fuel (11174, 5820) and Weather (Clear, Wind Strength Up to 19 KM/H).

TOUR 1 SIGNATURE OF DRILLER: Sylvain Arsenault

START TIME: 0:00, END TIME: 8:00

TOUR 1 detailed log including: BITS (159MM BIT, REED SK413), DRILLING ASSEMBLY, MUD RECORD (159MM BIT, 5.0 HYD JARS), DEVIATION SURVEYS, TIME LOG, and METRES DRILLED (Total 1995.00m).

TOUR 2 SIGNATURE OF DRILLER: Josh Gilbert

START TIME: 8:00, END TIME: 20:00

TOUR 2 detailed log including: BITS (159MM BIT, REED SK413), DRILLING ASSEMBLY, MUD RECORD (159MM BIT, 5.0 HYD JARS), DEVIATION SURVEYS, TIME LOG, and METRES DRILLED (Total 2248.00m).

TOUR 3 SIGNATURE OF DRILLER: Sylvain Arsenault

START TIME: 20:00, END TIME: 24:00

TOUR 3 detailed log including: BITS (159MM BIT, REED SK413), DRILLING ASSEMBLY, MUD RECORD (159MM BIT, 5.0 HYD JARS), DEVIATION SURVEYS, TIME LOG, and METRES DRILLED (Total 2345.00m).

FRONT PAGE SUMMARY		Tour Sheet Serial Number PREC259 20170227 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 27	DAILY CHECKS		OP RM
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6	Prov BC	Loc Type DLS	Unique Well ID 100/09-23-084-24W6/00	<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weekly (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard if Required <input type="checkbox"/> (4) Well Licence & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Staked <input type="checkbox"/> (6) ROP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOP's Flare Lines & Degasser Lines <input type="checkbox"/> (8) ROP Tests Performed <input type="checkbox"/> (9) ROP Tests Performed <input type="checkbox"/> (10) ROP Tests Performed <input type="checkbox"/> (11) Rig Site Health & Safety Meeting (on/crow/month) <input type="checkbox"/> (12) CADC Rig Safety Inspection Checklist (on/crow/month) <input type="checkbox"/> (13) Mast Inspection before Raising or Lowering <input type="checkbox"/> (14) Crown Saver Checked <input type="checkbox"/> (15) Motor Vibs Checked		MMA	MSE
Company ARC Resources Ltd.	Contractor Precision Drilling, div of PDC	Contractor's Job No. 99	Rig No. 529	Well Type HORIZ	Spud Date Time 16-Feb-2017	Signature of Operator's Representative Mike Maddison		MMA	MSE
Signature of Contractor's Rig Manager Marc Raymond		Rig Release Date Time 17:00						MMA	MSE



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 HRS
Tour 1		4.25						0.25													3.25	0.25				8.00	11174
Tour 2		9.25						0.25													2.25	0.25				12.00	06:00
Tour 3		2.50			0.50			0.25													0.75					4.00	14
TOTAL		16.00			0.50			0.75													6.25	0.50				24.00	WEATHER

TOUR **1** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **0:00** END TIME **8:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 4005.00 Depth In (m): 2010.00 Total Drilled (m): 1995.00 Hrs Run Today: 4.25 Cumulative Hrs Run: 34.25 Entry Date: 24-Feb-2017	1 159MM BIT 129 1 0.22 1 5.0" SEALER/8.8STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.93 1 X/O SUB 132 58 0.82 1 5.4" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 68.28 1 X/O SUB 132 58 0.67 41 Drill Pipe Stands 1199.25 0 Drill Pipe Singles 0.00	Mud Type: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil Circulation: Pump # 1 Pressure 800 Strokes/min 76 @ 4005.00 Reduced Pump Speed: 1 PARALLEL 114 75 29600 8.00 2 PARALLEL 114 75 29600 8.00	Time: 07:30 Depth: 3986.72 Deviation: 89.60 Direction: 131.6 17:15 4206.10 93.30 127.8 18:00 4220.72 94.00 129.3 19:15 4235.35 92.20 130.7 19:30 4249.97 91.00 132.9	From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZID- NOTICED EXPRIED WORK BELT. REPLACE WORK BELT.

TOUR **2** SIGNATURE OF DRILLER **Josh Gilbert** START TIME **8:00** END TIME **20:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 4258.00 Depth In (m): 2010.00 Total Drilled (m): 2248.00 Hrs Run Today: 9.25 Cumulative Hrs Run: 43.50 Entry Date: 24-Feb-2017	1 159MM BIT 129 1 0.22 1 5.0" SEALER/8.8STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.93 1 X/O SUB 132 58 0.82 1 5.4" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 68.28 1 X/O SUB 132 58 0.67 48 Drill Pipe Stands 1404.00 0 Drill Pipe Singles 0.00	Mud Type: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil Circulation: Pump # 1 Pressure 800 Strokes/min 75 @ 4166.00 Reduced Pump Speed: 1 PARALLEL 114 75 21000 12.00 2 PARALLEL 114 75 21000 12.00	Time: 17:15 4206.10 93.30 127.8 18:00 4220.72 94.00 129.3 19:15 4235.35 92.20 130.7 19:30 4249.97 91.00 132.9	From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HAZARD ID: BOOMER ON OVERHEAD SUCTION LINE HAD WORKED ITS WAY LOOSE WHILE DRILLING.

TOUR **3** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **20:00** END TIME **24:00**

BITS	DRILLING ASSEMBLY	MUD RECORD	DEVIATION SURVEYS	TIME LOG
Bit Number: 6 Size: 159 IADC Code: S 4 1 3 Manufacturer: REED Type: SK413 Serial No: A218944 JMS: 11.1, 11.1, 8.7, 8.7 Depth Out (m): 4355.00 Depth In (m): 2010.00 Total Drilled (m): 2345.00 Hrs Run Today: 2.50 Cumulative Hrs Run: 46.00 Entry Date: 24-Feb-2017	1 159MM BIT 129 1 0.22 1 5.0" SEALER/8.8STG 124 1 9.18 1 SLIDE REAMER 122 58 1.43 1 4.75 NON FLEX-MONEL 127 69 9.43 1 4.75 GAP SUB 122 69 1.66 2 4.75 NON FLEX-MONEL 127 69 18.93 1 X/O SUB 132 58 0.82 1 5.4" DP 114 97 48.73 1 X/O SUB 132 58 0.74 1 5.0 HYD JARS 131 59 5.19 1 X/O SUB 132 58 0.80 68 4.5" DP 114 97 68.28 1 X/O SUB 132 58 0.67 51 Drill Pipe Stands 1491.75 2 Drill Pipe Singles 14.20	Mud Type: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil Circulation: Pump # 1 Pressure 800 Strokes/min 75 @ 4328.00 2 SINGLE 114 75 30000 4.00 2 SINGLE 114 75 30000 4.00	Time: 4:00 Depth: 4355.00 Deviation: 133.00 Direction: 170.00	From To Elapsed Code Details Of Operations In Sequence & Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER

TOUR **3** SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **24:00** END TIME **24:00**

FRONT PAGE SUMMARY					Tour Sheet Serial Number PREC259 20170228 1A	Vendor Software Version RMS 2016.8.30.38074	Year 2017	Month 02	Day 28	DAILY CHECKS					OP RM				
License No 032618	Well Name ARCRES HZ INGA B13-26-84-24	Surface Location 13b-26-84-24 W6			Prov BC	Loc Type DLS	Unique Well Id 100/09-23-084-24W6/00	Re-Entry <input type="checkbox"/>					<input type="checkbox"/> (1) Daily Walk Around Inspection <input type="checkbox"/> (2) Detailed Inspection - Weekly (Using Check List) <input type="checkbox"/> (3) H2S Signs Postcard If Required <input type="checkbox"/> (4) Well Licence & Stick Diagram Posted <input type="checkbox"/> (5) Flare Lines Staked <input type="checkbox"/> (6) BOP Tests Performed <input type="checkbox"/> (7) Visually Inspected BOPs Flare Lines & Degasser Lines <input type="checkbox"/> (8) Rig Site Health & Safety Meeting (once/week/month) <input type="checkbox"/> (9) CADC Rig Safety Inspection Checklist (once/week/month) <input type="checkbox"/> (10) Mast Inspection before Raising or Lowering <input type="checkbox"/> (11) Crown Saver Checked <input type="checkbox"/> (12) Motor Vibs Checked		 				
Contractor ARC Resources Ltd.				Precision Drilling, div of PDC				Company Job No. 529				Spud Date Time HORIZ				Signature of Operator's Representative Mike Maddison		Signature of Contractor's Rig Manager Mark Raymond	
17DR10037				99				16-Feb-2017				17:00				Rig Release Date Time			

Code	TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault																									TOTAL	FUEL @ 08:00 HRS	
	Rig MP	Drill Actual	Reaming	Coiling	Cond Mud & Circ	Trips	Rig Service	Repair Rig	Cut Off Drill Line	Dev Survey	Wireline Logs	Ran Csg & Cement	Wait On Cement	Nipple BOP	Test BOP	Drillstem Test	Plug Back	Squeeze Cement	Fishing	Dir Work	Safety Meeting	Tear Down	Walking On	Rig Watch	Other			
Tour 1					3.00	4.25	0.25																			8.00	11174	1583
Tour 2						4.75	0.25					5.50									1.25	0.25				12.00	06:15	-14
Tour 3													4.00													4.00	Clear	
TOTAL					3.00	9.00	0.50						9.50								1.25	0.75				24.00	WEATHER POOR	

TOUR 1	SIGNATURE OF DRILLER Sylvain Arsenault	START TIME 0:00	END TIME 8:00
---------------	---	------------------------	----------------------

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG				
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 1	Length 0.22	Mud Type <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other	Time 00:15	Pressure 00:15	Strokes/min 02:45	Depth 4355.00	Intake Density 1320	Over Flow Density 1320	Under Flow Density 1800	From 0:00	To 3:00	Elapsed 3:00	Code 5
IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	Jct 11.1 11.1 8.7 8.7	Depth Out (m) 4258.00	Depth In (m) 2010.00	Total Drilled (m) 2248.00	Hrs Run Today 0.00	Cumulative Hrs Run 46.00	Entry Date 24-Feb-2017	Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER	Details Of Operations In Sequence & Remarks 0:00 3:00 3:00 5 CIRCULATE HOLE CLEAN THEN SPOT LUBE PILL 3:00 3:15 0:25 7 RIG SERVICE FCT ANNULLAR 18 SEC TO CLOSE 3:15 3:30 0:25 21 SAFETY MEETING ON LAY OUT DRILL STRING CTA 2-5 3:30 7:45 4:25 6F LAY DOWN DRILL PIPE F7 4355M FLOW CHECK 10 MIN @ 4354M AND @ 4222M. @ 2584M. 10 MIN F.C.S EACH 7:45 8:00 0:25 21 CREW CHANGE MEETING/REVIEW CTA 2-5						
CUTTING STRUCTURE		HOLE CONDITION				REDUCED PUMP SPEED				BOILER				SAFETY				
TO 0 Gage 0 MDC WT CDC NO LDC S TD 48.87 BSG K		Kelly Down 0.00 Total 4355.00 Weight of DC 0.00 Weight of String 64.00				Pump # 1 Pressure 8300 Strokes/min 77 @ 4355.00 @ @ @ @				BoilerNo 1 HoursRun 8.00 pH 11 StackTemp 280 @ @ @ @				Safety Topic LAY OUT DRILL PIPE MEHL 76 3257 MACP				

TOUR 2	SIGNATURE OF DRILLER Josh Gilbert	START TIME 8:00	END TIME 20:00
---------------	--	------------------------	-----------------------

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG				
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 1	Length 0.22	Mud Type <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other	Time 21:45	Pressure 1320	Strokes/min 23:45	Depth 4355.00	Intake Density 1320	Over Flow Density 1320	Under Flow Density 1750	From 8:00	To 12:45	Elapsed 4:45	Code 6F
IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	Jct 11.1 11.1 8.7 8.7	Depth Out (m) 4258.00	Depth In (m) 2010.00	Total Drilled (m) 2248.00	Hrs Run Today 46.00	Cumulative Hrs Run 46.00	Entry Date 24-Feb-2017	Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER	Details Of Operations In Sequence & Remarks 8:00 12:45 4:45 6F CONTINUE TO LAY DOWN DRILL PIPE WITH 10 MIN FCS @ 2200M/600M/200M/0M. INAL TRIP CALC=17.09M/3. ACTUAL= 17.65M/3. DIFF = + .56M/3. FUNCTION BLIND RAMS OUT OF FLOOR 12:45 14:00 1:25 20D SAFETY MEETING / CTA 2-1/HANDLE DIRECTIONAL TOOLS. LAY DOWN ALL DIRECTIONAL TOOLS. 14:00 14:15 0:25 7 RIG SERVICE/LOWER PIPE RAMS/4 SEC TO CLOSE.CLEAN AND ORGANIZE RIG FLOOR 14:15 14:45 0:50 12A RIG UP TO RUN CASING 5.5" ELEVATORS, MP 709 14:45 19:45 5:00 12B SAFETY MEETING AND CTA 3-1 REVIEW /RUN CASING 4.5 INCH ELEVATOR CERTS=100 TON CERTS= 1138502 19:45 20:00 0:25 21 SAFETY MEETING/CREW CHANGE MEETING						
CUTTING STRUCTURE		HOLE CONDITION				REDUCED PUMP SPEED				BOILER				SAFETY				
TO 2 Gage 0 MDC WT CDC NO LDC S TD 48.87 BSG K		Kelly Down 0.00 Total 4355.00 Weight of DC 0.00 Weight of String 64.00				Pump # 1 Pressure 8300 Strokes/min 77 @ 4355.00 @ @ @ @				BoilerNo 1 HoursRun 12.00 pH 11 StackTemp 300 @ @ @ @				Safety Topic LAY DOWN DRILL PIPE MEHL 76 3257 MACP				

TOUR 3	SIGNATURE OF DRILLER Sylvain Arsenault	START TIME 20:00	END TIME 24:00
---------------	---	-------------------------	-----------------------

BITS		DRILLING ASSEMBLY				MUD RECORD				DEVIATION SURVEYS				TIME LOG				
Bit Number 6	Size 159	No 1	Component 159MM BIT	OD 129	ID 1	Length 0.22	Mud Type <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Other	Time 21:45	Pressure 1320	Strokes/min 23:45	Depth 4355.00	Intake Density 1320	Over Flow Density 1320	Under Flow Density 1750	From 20:00	To 24:00	Elapsed 4:00	Code 12B
IADC Code S 4 1 3	Manufacturer REED	Type SK413	Serial No A218944	Jct 11.1 11.1 8.7 8.7	Depth Out (m) 4258.00	Depth In (m) 2010.00	Total Drilled (m) 2248.00	Hrs Run Today 46.00	Cumulative Hrs Run 46.00	Entry Date 24-Feb-2017	Remarks INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER	Details Of Operations In Sequence & Remarks 20:00 24:00 4:00 12B RUN CASING 114MM CASING TO 2386M THEN FILL PIPE FLOW CHECK. SWITCH POWER TONG AND ELEVATOR, CONTINUE TO RUN 139.7MM CASING TO 3370M						
CUTTING STRUCTURE		HOLE CONDITION				REDUCED PUMP SPEED				BOILER				SAFETY				
TO 2 Gage 0 MDC WT CDC NO LDC S TD 48.87 BSG K		Kelly Down 0.00 Total 4355.00 Weight of DC 0.00 Weight of String 64.00				Pump # 1 Pressure 8300 Strokes/min 77 @ 4355.00 @ @ @ @				BoilerNo 1 HoursRun 4.00 pH 11 StackTemp 300 @ @ @ @				Safety Topic RUNNING CASING MEHL 76 3257 MACP				

FRONT PAGE SUMMARY						Tour Sheet Serial Number	Vendor Software Version	Year	Month	Day	DAILY CHECKS		OP	RM
License No	Well Name					PREC529 20170301 1A	RMS 2016.8.30.38074	2017	03	01	(1) Daily Walk Around Inspection (2) Disabled Inspection - Weeily (Using Check List) (3) H2S Signs Posted If Required (4) Well Licence & Stick Diagram Posted (5) Flare Lines Baked (6) H2S Tests Performed (7) Visually Inspected BOPs Flare Lines & Degasser Lines		MM	MS
032618	ARCRES HZ INGA B13-26-84-24					Surface Location	BC	Pro	Loc Type	Unique Well Id	100/09-23-084-24W6/00		MS	MS
Contractor						BC	DLS	Rig No	Well Type	ReEntry			MS	MS
ARC Resources Ltd.						Precision Drilling, div of PDC	529	HORIZ					MS	MS
Contractor's Job No						99	Start Date Time		16-Feb-2017		17:00		MS	MS
Signature of Operator's Representative						Signature of Contractor's Rig Manager	Rig Release Date Time		01-Mar-2017		12:00		MS	MS
Mike Maddison						Marc Raymond						MS	MS	



Code	TOUR 1 SIGNATURE OF DRILLER Sylvain Arsenault																					START TIME	END TIME				
	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	5.9	3757
TOUR 1					1.50										6.00											8.00	8000
TOUR 2															6.50											12.00	05:15
TOUR 3																										4.00	1:20
TOTAL					1.50										6.00			6.50								24.00	05:15
												WATER	FUEL @ 08:00 HRS	WEATHER													
												0.75	9.25	FAIR													

TOUR 1 SIGNATURE OF DRILLER **Sylvain Arsenault** START TIME **0:00** END TIME **8:00**

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number, Size, IADC Code, Manufacturer, Type, Serial No, Jts, Depth Out (m), Depth In (m), Total Drilled (m), Hrs Run Today, Cumulative Hrs Run, Entry Date										No, Component, OD, ID, Length, Mud Type, Water, Oil, Other, Time, Density, Funnel Viscosity, Fluid Loss, pH, Location of Sample, Depth, PVT, Circulation										Time, Depth, Deviation, Direction, Type, From, To, Elapsed, Code										Equipment Name, Hours Run, Intake Density, Over Flow Density, Under Flow Density, Centrifuge #1, Centrifuge #2										Details of Operations In Sequence & Remarks, From, To, Elapsed, Code									
1, SINGLE, 152, 77, 10000, 2.00										00:45, 1320, 68, 68, T4, 4355.00, 20, 22										3:30, 5:00, 1:50, 5										8.00, 1320, 1270, 1800, 8.00, 1320, 1270, 1800										12B RUN CASING FR 3370M TO 4355M /RIG OUT COPPERHEAD Casing Details: Ran 157.Jts of 139.7mm, 34.23kg/m, L-80-XP VtRoughneck + 189.Jts. of 114.3mm, 22.47kg/m, L-80-XP VtRoughneck + 1.J. 114.3mm, 22.47kg/m, L-80 LT&C ShoeTrack . Total 4354.16m and landed at 4354.00m. Strata Jet Toe Ports @ 4300.22m & 4325.90m 5 RIG UP CIRC HEAD AND CIRCULATE FIRST BOTTOM UP GAS THROUGH BY PASS CHOKE PRIOR TO CEMENT, RIG UP TRICAN 21 SAFETY MEETING WITH TRICAN ON CEMENTING MAIN HOLE 12 CEMENTING Cementing Details: Pump 5.0m 2 Optiflush with S-4W & M-S8 & TWR-2 @ 1425kg/m 2 Pump 2.19 Tonnes 2.5m 2 Scav T.A.C. @ 1525kg/m 2 Pump 41.8Tonne, (41.8m 2) T.A.C. (0.2%AFA-6, 0.35%TDH-2) @ 1600 Kg/m 2 Lead. Followed by 31.0Tonne (31.0m 2) T.A.C. (0.2%AFA-6, 0.2% CFR-12, 0.3%TWR-4, 0.25%TDH-2) @ 1600kg/m 2 Tail Clean out lines. Launch IMPORT Latch down plug Displace: 5m 2 retarded water, 2L/m 2 DF-1, THR-100, Tricorr 134, & 34.3m 2 of inhibited water, 5L/m 2 Tricorr 134, 2L/m 2 DF-1, 40% excess used /13m 2 of good cement returns to surface. Bump plug 3500 Kpa over (20.5Mpa) FCP, Plug held, Floats held, Bleed back 500L Monitored for 10mins, no fallback in annulus. Plug down at 07:34hrs. 03/01/2017 SAFETY MEETING/CREW CHANGE MEETING									
CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER										SAFETY										INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER HID-CASING ELEVATOR LOCKING PIN CAME OUT, WE STOP AND FIX IT/SIDE LATCH MODEL																													

TOUR 2 SIGNATURE OF DRILLER **Josh Gilbert** START TIME **8:00** END TIME **20:00**

BITS										DRILLING ASSEMBLY										MUD RECORD										DEVIATION SURVEYS										TIME LOG									
Bit Number, Size, IADC Code, Manufacturer, Type, Serial No, Jts, Depth Out (m), Depth In (m), Total Drilled (m), Hrs Run Today, Cumulative Hrs Run, Entry Date										No, Component, OD, ID, Length, Mud Type, Water, Oil, Other, Time, Density, Funnel Viscosity, Fluid Loss, pH, Location of Sample, Depth, PVT, Circulation										Time, Depth, Deviation, Direction, Type, From, To, Elapsed, Code										Equipment Name, Hours Run, Intake Density, Over Flow Density, Under Flow Density, Centrifuge #1, Centrifuge #2										Details of Operations In Sequence & Remarks, From, To, Elapsed, Code									
1, SINGLE, 152, 77, 10000, 2.00										00:45, 1320, 68, 68, T4, 4355.00, 20, 22										8:00, 11:45, 3:75, 14B										12.00, 11, 300										14E REVIEW JSA AND RIG UP WELLHEAD CAP AND PRESSURE TEST 22B REVIEW CTA AND RIG OUT TOP DRIVE AND SERVICE LOOPS 21 SAFETY MEETING/ CREW CHANGE MEETING									
CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER										SAFETY										INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER MOVING WITH NORTHWELL TRUCKINGS, PIPE TUBS, JUNK BIN, 400 BBLs, CEMENT BIN, MAN SHACK, ETC...																													

TOUR 3 SIGNATURE OF DRILLER **Sylvain Arsenault** 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, Jts, Depth Out (m), Depth In (m), Total Drilled (m), Hrs Run Today, Cumulative Hrs Run, Entry Date										No, Component, OD, ID, Length, Mud Type, Water, Oil, Other, Time, Density, Funnel Viscosity, Fluid Loss, pH, Location of Sample, Depth, PVT, Circulation										Time, Depth, Deviation, Direction, Type, From, To, Elapsed, Code										Equipment Name, Hours Run, Intake Density, Over Flow Density, Under Flow Density, Centrifuge #1, Centrifuge #2										Details of Operations In Sequence & Remarks, From, To, Elapsed, Code									
1, SINGLE, 152, 77, 10000, 2.00										00:45, 1320, 68, 68, T4, 4355.00, 20, 22										20:00, 24:00, 4.00, 22										4.00, 11, 300										REVIEW CTA AND BRIDLE UP/ RIG OUT FLOOR/ PRE-INSPECTION BY MARC RAYMOND AND SYLVAIN ARSENAULT/PREP DERRICK TO LAY OVER BOOM WORK,RIG OUT RIG FLOOR AND DERRICK,POWER CORDS,BLOW WATER AND STEAM LINES,PREP RIG FOR TRUCKS IN THE MORNING,RIG RELEASED @ 1200HRS ON MARCH 1/2017									
CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER										SAFETY										INSPECTED DRILL LINE, BRAKES, TONGS, SLIPS, TUGGERS, BOOMS, ST-80, MAN RIDER, EASY RIDERS AND ALL FLOOR EQUIPMENT FUNCTION UPPER, LOWER LIMITS, STOPS, E-STOP, CROWN SAVER																													

FRONT PAGE SUMMARY

Tour Sheet Serial Number: PREC529 20170301 1A
Vender Software Version: RMS 2016.8.30.38074
Year: 2017
Month: 03
Day: 01

DAILY CHECKS
(1) Daily Walk Around Inspection
(2) Disabled Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well License & Stick Diagram Posted

OP RM
MMS MRS
MMS MRS
MMS MRS
MMS MRS



License No: 032618
Well Name: ARGRES HZ INGA B13-26-84-24
Contractor: Precision Drilling, div of PDC
Company Job No: 99
Signature of Operator's Representative: Mike Maddison
Signature of Contractor's Rig Manager: Marc Raymond

Table with 26 columns (Code 1-25) and 4 rows (Tour 1-3, TOTAL). Includes a 'FUEL @ 08:00 HRS' summary box and a 'WEATHER' box.

TOUR 1 SIGNATURE OF DRILLER: Sylvain Arsenault START TIME: 0:00 END TIME: 8:00

Form for Tour 1 containing sections: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, SOLIDS CONTROL, MUD MATERIALS ADDED, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER, SAFETY.

TOUR 2 SIGNATURE OF DRILLER: Josh Gilbert START TIME: 8:00 END TIME: 20:00

Form for Tour 2 containing sections: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, SOLIDS CONTROL, MUD MATERIALS ADDED, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER, SAFETY.

TOUR 3 SIGNATURE OF DRILLER: Sylvain Arsenault START TIME: 20:00 END TIME: 24:00

Form for Tour 3 containing sections: BITS, DRILLING ASSEMBLY, MUD RECORD, DEVIATION SURVEYS, TIME LOG, SOLIDS CONTROL, MUD MATERIALS ADDED, CUTTING STRUCTURE, METRES DRILLED, HOLE CONDITION, REDUCED PUMP SPEED, BOILER, SAFETY.