141139

FOLD HERE →

LICENCE NO.:	WELL NAME AND NO.: AEC WEST REN CARCAJOU O-47
OPERATOR: AEC WEST	CONTRACTOR: AKITA DRILLING
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER: Mel Zem

DAILY CHECKS	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H'S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
00	03	26

RIG NO. 14

FUEL @ 8:00

RIG	BOILER

WEATHER	
TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26	TOTALS
MORN.																											
DAY																											
EVE.																											
TOTAL																											

SHALE SHAKER(S) NO.	TYPE	
SCREENS CHANGED ☐ YES ☐ NO		
TOP	TOP	
MIDDLE	MIDDLE	
BOTTOM	BOTTOM	

RENTALS/SERVICES	MORN	DAY	EVE

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_I	T_O	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED			
TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0800	8		WAIT ON DAYLIGHT & WAIT ON TRUCKS - FINISH CLEANING

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_I	T_O	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED			
TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800				MOVE AKITA #14 FOR AEC FROM CARCAJOU O-47 to NORMAN WELLS WRACK SITE w/6 PENTASTAR TRUCKS
				WRACK RIG

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_I	T_O	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED			
TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
				- PLACE POLY UNDER RIG & DOG HOUSE
				- Spot loads. Lock up.

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

FOLD HERE →

141138

LICENCE NO.:	WELL NAME AND NO.: AEC WEST REN CARCAJOU 0-47
OPERATOR: AEC WEST	CONTRACTOR: AKITA DRILLING
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H'S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR 2000 MONTH 03 DAY 25

RIG NO. 14

FUEL @ 8:00

RIG | BOILER

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER	
TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	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	26	TOTALS
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	LAY DOWN D.P.					
MORN.					1							5		1								1					8
DAY																											
EVE.																											
TOTAL																											

SHALE SHAKER(S)	
NO. TYPE	
SCREENS CHANGED ☐ YES ☐ NO	
TOP	TOP
MIDDLE	MIDDLE
BOTTOM	BOTTOM

RENTALS/SERVICES	MORN	DAY	EVE

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: Darren Balgen.

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	
0000	0100	1	22	LAY DOWN D.P.
0100	0415	3¼	12	RIG TO & RUN CSG (PRE JOB SAFETY MTG)
0415	0515	1	5	CIRC.
0515	0700	1¾	12	RIG TO & CEMENT CSG (PRE JOB SAFETY MTG)
0700	0800	1	14	NIPPLE DOWN B.O.P.
		8	HRS.	

NOTES: ✓CROWN SAVER.

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN 2 x 19 LITRES				

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO	
0800	1000	2		TEAR OUT B.O.P. - CUT CSG. - SPLIT BLIND RAMS - FOR CERTIFICATION
1000	1600	6		TEAR OUT RIG - CLEAN & DE-ICE. - DRAIN EVERYTHING FOR WRACK - SITE.
				RAN 64 JTS 114 mm., 14.14 kg/m, J55, STRC, NEW CASING. TOTAL LENGTH 765.38 m. 3 m³ GW100 AHEAD, FOLLOWED BY 12 t (11.0 m³) RFC w/ 0.9 % B139 & 0.2 % D46. DISP w/ 6.4 m³. 3.0 m³ GOOD CEMT RETURNS @ SURF.

NOTES: Rig Released 2000-03-25-13:00 hrs.

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8hr	Blown 2x 18 litres.				

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	
1600	2400	8		CLEAN UP. COOL BOILER DOWN WASH & DRAIN BOILER. LOAD OUT PUMP, MUDTANK CATWALK, PIPE TUB, GEOL. TRAILER MANIFOLD

NOTES

141138

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

FOLD HERE →

141137

LICENCE NO.:	WELL NAME AND NO.: AEC WEST REN CARCAJOU O-47
OPERATOR: AEC WEST	CONTRACTOR: AKITA DRILLING
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.Q.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
2000	03	24

RIG NO. 14

FUEL @ 8:00

RIG | BOILER

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER	
TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
102	20.83	X	70	121	FH	130	F-500	EMSCO	191

TIME-HRS

CODE NO.	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	26
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.					
MORN.							1/4			1/4										7 1/2						
DAY					13/4	4 1/4	1/4			1/4										11/4		1/4				
EVE.											7 1/2											1/2				
TOTAL																										

TOTALS	
	8
	8
	8

SHALE SHAKER(S)	
NO.	TYPE
1	DFTS 500
SCREENS CHANGED	☐ YES ☐ NO
TOP 100	TOP
MIDDLE 80	MIDDLE
BOTTOM 80	BOTTOM

RENTALS/SERVICES	MORN	DAY	EVE

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR TOOLS		26.00 m
20	D.C	121	189.74 m
1	X/O	121	.47 m
	D.P.	STANDS	
54	D.P.	SINGLES	523.00 m
	KELLY DOWN		11.35 m
	TOTAL		750.81 m
WT. OF DC			10,000 1000 daN
WT. OF STRING			28,000 1000 daN

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	SMITH
TYPE	XR20TP
SERIAL NO.	LX2708
JETS (mm)	O
DEPTH OUT (m)	
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	285
TOTAL HOURS RUN	44 3/4

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☒ WATER BASED ☐ OIL BASED

TIME	0230	0545
DENSITY kg/m³	1140	1150
FUNNEL VIS. - (S/L)	47	45
W.L. (cm³)	14.5	14.5
pH	9.5	9.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Lignosol	3 5x

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
712	750	D	40/45	19/11

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9000	152	90		

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: Darren Baldyga

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0000	0200	2	20	DIR DRILL 156mm Hole F 712m - 721m
0200	0215	1/4	7	RIG SERVICE
0215	0745	5 1/2	20	DIR DRILL 156mm Hole F 721m - 750m
0745	0800	1/4	10	SURVEYS
		8		HRS

NOTES: ✓CROWN SAVER 9sec ✓MOTOR KILLS Floor 4sec Pump

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN	2x	18 LITRES		

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR. TOOLS		26.00 m
20	D.C	121	189.74 m
1	X/O	121	.47 m
	D.P.	STANDS	
55	D.P.	SINGLES	532.69 m
	KELLY DOWN		10.35 m
	TOTAL		760.00 m
WT. OF DC			10,000 1000 daN
WT. OF STRING			28,000 1000 daN

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	SMITH
TYPE	XR20TP
SERIAL NO.	LX2708
JETS (mm)	O
DEPTH OUT (m)	
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	295
TOTAL HOURS RUN	46

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	8:00	10:00	1:40
DENSITY kg/m³	1150	1150	1160
FUNNEL VIS. - (S/L)	48	63	64
W.L. (cm³)	11.5	7	7
pH	9.5	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Gel	9 sks
IDVIS	1 sk.
Drispac	1 sk.

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
750	760	D	40	10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9250	152	90		

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
750	1.6	
760	1.6	

DRILLER SIGNATURE: Logan Wall

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO	DETAILS
0800	0815	1/4	7	RIG SERV
0815	0930	1 1/4	20	DIR DRILL 156mm Hole 750m - 760m
0930	0945	1/4	10	ACCUM SURVEYS
0945	1100	1 1/4	5	CIRC + COND
1100	1230	1 1/2	6	HOIST TO LOG Flow ✓748, 706, 389
1230	1315	3/4	6	RUN IN W/BIT Flow @ 465, 746
1315	1345	1/2	5	CIRC + COND
1345	1545	2	6	HOIST TO LOG Flow @ 749, 699, 358, 024 psi
				LAYDOWN 121mm COLLARS
1545	1600	1/4	22	LAYDOWN DIR TOOLS
		8		HRS

NOTES: FUNCTION ✓CROWN SAVER

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN	2x	16 LITRES		

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: Darren Baldyga

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
1600	1630	1/2	22	LAYDOWN DIR TOOLS
1630	2400	7 1/2	11	RIG TO LOG W/ Schlumberger (PRE TRIP SAFETY MTG)
		8		HRS
				LOG #1 DLL-LOT-CNL-MSFL-DAC-GR TD 759.60 @ 19:00 HR.
				LOG #2 BHCS-GR-DAC TD 759.60 @ 22:15

NOTES

141137

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN	2x	20 LITRES		

FOLD HERE →

141136

LICENCE NO.:	WELL NAME AND NO.: REN A CARCAJOU 0-47
OPERATOR: AEC WEST	CONTRACTOR: AKITA DRILLING
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER: Mel Zen

DAILY CHECKS	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HPS Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
2000	03	23

RIG NO.: 14

FUEL @ 8:00

RIG | BOILER

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER	
TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
102	20.83	X	70	121	FH	130	F-500	EMSCO	191

TIME-HRS

CODE NO.	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	26
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.					
MORN.							1/4			1/4										7 1/2						
DAY							1/4			1/4										7 1/2						
EVE.							1/4			1/4										7 1/2						
TOTAL																										

TOTALS: 8 / 8 / 8

SHALE SHAKER(S)	
NO. 1	TYPE DFTS 500
SCREENS CHANGED	☐ YES ☐ NO
TOP 100	TOP
MIDDLE 80	MIDDLE
BOTTOM 80	BOTTOM

RENTALS/SERVICES	MORN	DAY	EVE

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR Tools		26.00 m
20	D.C	121	189.74 m
1	X/O	121	.47 m
48	D.P.	STANDS	406.93 m
	D.P.	SINGLES	
	KELLY DOWN		6.61 m
	TOTAL		630.00 m

WT. OF DC: 10,000 (1000 daN)
WT. OF STRING: 25,000 (1000 daN)

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	SMITH
TYPE	XR20TP
SERIAL NO.	LX2708
JETS (mm)	Ø
DEPTH OUT (m)	RNG
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	165
TOTAL HOURS RUN	22 1/4

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	0100	0545
DENSITY kg/m³	1080	1090
FUNNEL VIS. - (S/L)	50	41
W.L. (cm³)		
pH	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
SAWDUST	10 sx

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
566	630	D	35/40	10-11

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
7,750	152	90		

REDUCED PUMP SPEED: 2,300 @ 45 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
563.6	1.	5.6 Asm
583.	1.5	359.3
602.4	1.	28.8

DRILLER SIGNATURE: Darren Badger.

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0000	0100	1	20	DIR DRILL 156mm Hole F566m-576m
0100	0115	1/4	7	RIG SERVICE
0115	0745	6 1/2	20	DIR DRILL 156mm Hole F576m-630
0745	0800	1/4	10	ACCUM-SURVEYS.
		8	HRS	
				SLIDE 597m-601m
				607m-610m

NOTES: √CROWN SAVER
FUNCTION PIPE RAMS 3sec.

HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	Blown		2x 16 LITRES		

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT	156	.25 m
1	DIR TOOLS		26.00 m
20	DC	121	189.74 m
1	X/O	121	.47 m
46	D.P.	STANDS	445.68 m
	D.P.	SINGLES	
	KELLY DOWN		11.35 m
	TOTAL		673.49 m

WT. OF DC: 10,000 (1000 daN)
WT. OF STRING: 26,000 (1000 daN)

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	SMITH
TYPE	XR20TP
SERIAL NO.	LX2708
JETS (mm)	0
DEPTH OUT (m)	
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	208
TOTAL HOURS RUN	29 3/4

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	8:30	12:30	16:00
DENSITY kg/m³	1090	1090	1100
FUNNEL VIS. - (S/L)	42	43	45
W.L. (cm³)		11	11
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Gel	8 sx.
Pekol	1 sx

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
630	673	D	40	10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
7800	152	90		

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
644	.8	
663	.8	
673	.9	

DRILLER SIGNATURE: Logan Wold

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0800	0815	1/4	7	RIG SERV
0815	1545	7 1/2	20	DIR DRILL 156mm HOLE 630m-673
1545	1600	1/4	10	SURVEYS
		8	HRS.	

NOTES: FUNCTION HYDRL CLOSE 8SECS. √CROWN SAVER

HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	Blown	2x	18 LITRES.		

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR Tools		26.00 m
20	D.C	121	189.74 m
1	X/O	121	.47 m
50	D.P.	STANDS	484.33 m
	D.P.	SINGLES	
	KELLY DOWN		11.35 m
	TOTAL		712.14 m

WT. OF DC: 10,000 (1000 daN)
WT. OF STRING: 27,000 (1000 daN)

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	SMITH
TYPE	XR20TP
SERIAL NO.	LX2708
JETS (mm)	0
DEPTH OUT (m)	RNG
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	247
TOTAL HOURS RUN	37 1/4

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	1800
DENSITY kg/m³	1100
FUNNEL VIS. - (S/L)	46
W.L. (cm³)	12
pH	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
673	712	D	35/40	19/11

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
8,300	152	90		

REDUCED PUMP SPEED: 2,800 @ 45 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
650.8	.8	172.2
670.1	.9	210.2
699.1	1.1	215.1

DRILLER SIGNATURE: Darren Badger.

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
1600	1615	1/4	7	RIG SERV
1615	2345	7 1/2	20	DIR DRILL 156mm HOLE 673m-
2345	2400	1/4	10	SURVEYS
		8	HRS	

NOTES: √CROWN SAVER.
8SEC. FUNCTION REMOTE

HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	Blown	2x	18 LITRES.		

141136

141135

FOLD HERE ➔

LICENCE NO.:	WELL NAME AND NO.: AEC WEST REN CARCAJOU O-47
OPERATOR: AEC WEST	CONTRACTOR: AKITA DRILLING
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Allan [signature]	SIGNATURE OF CONTRACTOR'S RIG MANAGER: Mel [signature]

DAILY CHECKS (OPR. / R.M.)

Check	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial [initialled]	Initial MZ
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial [initialled]	Initial MZ
(5) Flare Lines Staked	Initial	Initial MZ
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial MZ
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial MZ
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
2000	03	22

RIG NO. 14

FUEL @ 8:00 — RIG: BOILER:

WEATHER: TEMPERATURE °C / CURRENT CONDITIONS / WIND DIRECTION / ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
102	20.83	X	70	121	FH	130	F-500	EMSCO	191

TIME - HRS

CODE NO. / OPER.	MORN.	DAY	EVE.	TOTAL
1 RIG UP & TEAR DOWN				
2 DRILL ACTUAL				
3 REAMING				
4 CORING				
5 COND. MUD & CIRC.				
6 TRIPS				
7 RIG SERVICE			¼	
8 REPAIR RIG				
9 CUT OFF DRILL LINE				
10 DEV. SURVEY		¼	¼	
11 WIRE LINE LOGS				
12 RUN CASE & CEMENT				
13 WAIT ON CEMENT	3½			
14 NIPPLE UP B.O.P.				
15 TEST B.O.P.	¾			
16 DRILL STEM TEST				
17 PLUG BACK				
18 SQUEEZE CEMENT				
19 FISHING				
20 DIR. WORK		7½	7¼	
21 SAFETY MTG.				
22 P.U. DIR TOOLS R.I.H	2¼			
23 DRILL OUT	1½			
24 B.O.P DRILL		¼	¼	
25				
26				
TOTALS	8	8	8	

SHALE SHAKER(S): NO. 1 TYPE DFTS 500 — SCREENS CHANGED ☐ YES ☐ NO — TOP 100 / MIDDLE 80 / BOTTOM 80 — TOP / MIDDLE / BOTTOM

RENTALS/SERVICES (MORN / DAY / EVE)

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
	DIR Tools		26.00 m
20	D.C	121	189.74 m
1	X/O		.47 m
	D.P. STANDS		m
24	D.P. SINGLES		232.45 m
	KELLYDOWN		11.35 m
	TOTAL		460.26 m
	WT. OF DC		10,000 (1000 daN)
	WT. OF STRING		23,000 (1000 daN)

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	SMITH
TYPE	XR20TP
SERIAL NO.	LX2708
JETS (mm)	Ø
DEPTH OUT (m)	
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD — MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME / DENSITY kg/m³ / FUNNEL VIS. - (S/L) / W.L. (cm³) / pH: (blank)

MUD MATERIALS ADDED (PREMIX)

PRODUCT	AMOUNT X UNIT
GEL	11 BAGS
ENVIRO	16 sx

SOLIDS CONTROL: DESILTER / CENTRIFUGE — HOURS RUN, INTAKE DENSITY (kg/m), OVERFLOW DENSITY (kg/m), UNDERFLOW DENSITY (kg/m) (blank)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
465				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	152	90		

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION (blank)

DRILLER SIGNATURE: Daren Bayer.

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0000	0330	3½	13	W.O.C
0330	0545	2¼	22	P.U. DIR Tools + Run in
0545	0630	¾	15	PRESS TEST PIPE RAMS 1,400kPA - 7,000kPA 10MIN
0630	0800	1½	23	DRILL OUT Cement + FLOAT + SHOE.
		8 HRS		

NOTES: TAG Cement 445m — ✓ CROWN SAVER — FUNCTION BLIND RAMS 2sec.

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN 2x 17 LITRES.				

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR TOOLS		26.00 m
20	D.C	121	189.74 m
1	X/O	121	.47 m
	D.P. STANDS		m
30	D.P. SINGLES		290.59 m
	KELLYDOWN		5.95 m
	TOTAL		513.00 m
	WT. OF DC		10,000 (1000 daN)
	WT. OF STRING		23,000 (1000 daN)

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	Smith
TYPE	XR20TP
SERIAL NO.	LX 2708
JETS (mm)	0
DEPTH OUT (m)	
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	48
TOTAL HOURS RUN	7½

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD — MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	10:00	1:00	4:00
DENSITY kg/m³	1030	1050	1050
FUNNEL VIS. - (S/L)	44	47	46
W.L. (cm³)			
pH	9.5	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Gel	6 sks.
Sod. Bic	1 sk
Soda Ash	8 sx

SOLIDS CONTROL: DESILTER / CENTRIFUGE (blank)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
465	513	D	30	10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
7,000	152	120		

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
486	3,3	
495	2,5	
508	1.5	

DRILLER SIGNATURE: [signature]

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0800	0815	¼	24	BOP DRILL w/ CREW
0815	1545	7½	20	DIR DRILL 156mm HOLE 465m - 513
1545	1600	¼	10	ACCUM SURVEYS
		8 HR		

SLIDE SECTIONS
489 - 494
499 - 503
510 - 513

NOTES: ✓ CROWNSAVER

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN 2x 19 LITRES				

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR Tools		26.00 m
20	D.C	121	189.74 m
1	X/O	121	.47 m
	D.P. STANDS		m
35	D.P. SINGLES		339.14 m
	KELLYDOWN		11.35 m
	TOTAL		566.95 m
	WT. OF DC		10,000 (1000 daN)
	WT. OF STRING		24,000 (1000 daN)

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	156
IADC CODE	
MFG.	SMITH
TYPE	XR20 TP
SERIAL NO.	LX 2708
JETS (mm)	0
DEPTH OUT (m)	RNG
DEPTH IN (m)	465
TOTAL METRES DRILLED (m)	101
TOTAL HOURS RUN	14¾

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD — MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME / DENSITY kg/m³ / FUNNEL VIS. - (S/L) / W.L. (cm³) / pH: (blank)

MUD MATERIALS ADDED: PRODUCT / AMOUNT X UNIT (blank)

SOLIDS CONTROL: DESILTER / CENTRIFUGE (blank)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
513	566	D	30	10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
7,700	152	90		

REDUCED PUMP SPEED: 2280 @ 45 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
528	.9	

DRILLER SIGNATURE: Daren Bayer.

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
1600	1615	¼	7	RIG SERV.
1615	1945	3½	20	DIR DRILL 156mm Hole F513m - 537m
1945	2000	¼	24	B.O.P DRILL
2000	2345	3¾	20	DIR DRILL 156mm Hole F 537m -
2345	2400	¼	10	ACCUM SURVEYS
		8 HRS		

NOTES: ✓ CROWN SAVER — FUNCTION HYDRIL

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN 2x 18 LITRES				

141135

141134

FOLD HERE →

LICENCE NO.:	
WELL NAME AND NO.:	AEC WEST REN CARCAJOU O-47
OPERATOR:	AEC WEST
CONTRACTOR:	AKITA DRILLING
SURFACE LOCATION:	
UNIQUE ID.:	
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	Allan Ingon
SIGNATURE OF CONTRACTOR'S RIG MANAGER:	Mel Zem

DAILY CHECKS (OPR. / R.M.)

- (1) Daily Walk Around Inspection — Initial ___ Initial [initialled]
- (2) Detailed Inspection-Weekly (using checklist) — Initial [initialled] Initial ___
- (3) H²S Signs Posted (if required) — Initial ___ Initial ___
- (4) Well Licence & Stick Diagram Posted — Initial [initialled] Initial [initialled]
- (5) Flare Lines Staked — Initial ___ Initial [initialled]
- (6) BOP Drills Performed — Initial ___ Initial [initialled]
- (7) Visually inspect BOP's - Flarelines & Degasser Lines — Initial ___ Initial [initialled]
- (1) Rig Site Health and Safety Meeting (one/crew/month) — Initial ___
- (2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial ___
- (3) Mast Inspection Before Raising or Lowering — Initial ___
- (4) Crown Saver Checked — Initial [initialled]
- (5) Motor Kills checked — Initial ___

YEAR	MONTH	DAY
2000	03	21

RIG NO. 14

FUEL @ 8:00 — RIG ___ BOILER ___

WEATHER: TEMPERATURE °C ___ ; CURRENT CONDITIONS ___ ; WIND DIRECTION ___ ; ROAD ___

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
102	20.83	X	70	121	FH	130	F-500	EMSCO	191

TIME - HRS

CODE NO.	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	26	TOTALS
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	B.O.P DRILL	LAYDOWN DIR TOOLS				
MORN.		7¼					¼			¼										7¼		¼					8
DAY		4			1¼	2¼	¼			¼										4							8
EVE.					¾	½						3¼	2½										1				8
TOTAL		11¼																									

SHALE SHAKER(S)

NO.	TYPE	
1	DFTS	500

SCREENS CHANGED ☐ YES ☐ NO

TOP	100	TOP
MIDDLE	80	MIDDLE
BOTTOM	80	BOTTOM

RENTALS/SERVICES (MORN / DAY / EVE)

- KB TO GRD - 4.10
- KB TO CASING BOWL - 3.58

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.		O.D. mm	LENGTH
1	BIT		.25 m
1	DIR Tool		18.29 m
7	D.C	159	64.83 m
1	X/O	159	.92 m
	D.P. STANDS		m
33	D.P. SINGLES		319.69 m
	KELLY DOWN		11.35 m
	TOTAL		405.64 m
	WT. OF DC (1000 daN)		7,000
	WT. OF STRING (1000 daN)		20,000

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	222
IADC CODE	
MFG.	B.R
TYPE	SS66L
SERIAL NO.	1962520A
JETS (mm)	4/11.1/1/12.7
DEPTH OUT (m)	
DEPTH IN (m)	125
TOTAL METRES DRILLED (m)	290
TOTAL HOURS RUN	13 3/4
CUTTING STRUCTURE T_I / T_O / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.	

HOLE CONDITION: HOLE DRAG ___ ; TORQUE AT BOTTOM ___ ; FILL ON BOTTOM (m) ___

MUD RECORD — MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	04 00
DENSITY kg/m³	1010
FUNNEL VIS. - (S/L)	29
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
PREMIX GEL	22 SX
Lime	2 SX
GYPSUM	1 SK
PREMIX SODA ASh	3 SX
EnviroFLOC	2 SX

SOLIDS CONTROL — DESILTER / CENTRIFUGE: HOURS RUN, INTAKE DENSITY (kg/m³), OVERFLOW DENSITY (kg/m³), UNDERFLOW DENSITY (kg/m³) — blank

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
308	405		49/50	2-7

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
~~5000~~ 6,700	152	120		

REDUCED PUMP SPEED @ ___ @ ___

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION — blank

DRILLER SIGNATURE: Darren Balzer.

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0000	0015	¼	7	RIG SERVICE
0015	0030	¼	22	B.O.P DRILL
0030	0745	7¼	20	DIR DRILL 222mm Hole F 308m - 405m
0745	0800	¼	10	Accum Surveys.
		8 HRS		
				SLIDE 338m - 342m
				405.50 - 407.80

NOTES: ✓CROWN SAVER

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN		2x 18 LITRES		

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.		O.D. mm	LENGTH
1	BIT		.25 m
1	DIR. TOOL		18.29 m
7	D.C.	159	64.83 m
1	X/O	159	.92 m
	D.P. STANDS		m
39	D.P. SINGLES		377.83 m
	KELLY DOWN		2.88 m
	TOTAL		465.00 m
	WT. OF DC (1000 daN)		7,000
	WT. OF STRING (1000 daN)		22,000

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	222
IADC CODE	
MFG.	BR
TYPE	SS66L
SERIAL NO.	1962520A
JETS (mm)	4/11.1 1/12.7
DEPTH OUT (m)	465
DEPTH IN (m)	125
TOTAL METRES DRILLED (m)	340
TOTAL HOURS RUN	17 3/4
CUTTING STRUCTURE T_I / T_O / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.	1 0 9 WEAR

HOLE CONDITION: HOLE DRAG ___ ; TORQUE AT BOTTOM ___ ; FILL ON BOTTOM (m) ___

MUD RECORD — MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	10:15
DENSITY kg/m³	1010
FUNNEL VIS. - (S/L)	29
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
E.Floc	2 Sks

SOLIDS CONTROL — DESILTER / CENTRIFUGE — blank

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
415	465	D	50	4

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
5,000	152	120		

REDUCED PUMP SPEED @ ___ @ ___

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
444	2.1	
454	2.4	
465	2.5	

DRILLER SIGNATURE: Logan Wild

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0800	0815	¼	7	RIG SERV
0815	1130	3¼	20	DIR. DRILL 222mm HOLE 415m - 454m
1130	1215	¾	5	CIRC
1215	1345	1½	6	WIPER TRIP Flow ✓@ 442, 402, 267, 98 IN@ 98, 276
1345	1430	¾	20	DIR DRILL 222mm HOLE 454m - 465
1430	1445	¼	10	ACCUM SURVEYS
1445	1515	½	5	CIRC
1515	1600	¾	6	HOIST TO RUN CASING Flow ✓@ 465, 410, 248, 125 OOH

NOTES: ✓CROWN SAVER

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8		BLOWN	2X 17 LITRES.		

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour) — BIT, D.P. STANDS, D.P. SINGLES, KELLY DOWN, TOTAL, WT. OF DC, WT. OF STRING — blank

BIT RECORD — blank

HOLE CONDITION — blank

MUD RECORD — MUD TYPE ☐ WATER BASED ☐ OIL BASED — blank

MUD MATERIALS ADDED — blank

SOLIDS CONTROL — blank

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
465 TD				

CIRCULATION PRESSURE (kPa) / PUMP NO. 1 / PUMP NO. 2 — blank

REDUCED PUMP SPEED @ ___ @ ___

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION — blank

DRILLER SIGNATURE: Darren Balzer.

TIME LOG — DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
1600	1630	½	6	HOIST TO RUN CASING LAYDOWN 159mm COLLARS
1630	1730	1	23	LAYDOWN DIR TOOLS.
1730	1945	2¼	12	RIG TO + RUN CSG. (PRE Job SAFETY MTG)
1945	2030	¾	5	CIRC.
2030	21:30	1.0	12	Cement CSG (PRE Job SAFETY MTG)
21:30	2400	2.5	13	W.O.C
		8 HRS		

RAN 37 JTS 177.8mm, 34.14 Kg/m, J55, ST&C NEW CASING. TOTAL LENGTH 463.68m. LANDED @ 463.0m. PUMPED 10.9t (16m³) RFC w/0.9% B139, 1.0% CaCl₂ & 0.2% D46. DISP w/ 9.25 m³ FLOC WATER. 2.0 m³ GOOD CEMT RETURNS @ SURFACE.

NOTES: SLIP + CUT 11m DRILL LINE ✓CROWN SAVER

141134

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	BLOWN		2 x 21 LITRES		

FOLD HERE →

141133

LICENCE NO.:	WELL NAME AND NO.: AEC WEST REN CARCAJOU O-47
OPERATOR: AEC WEST	CONTRACTOR: AKITA DRILLING
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER: Mel Zen

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HS Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
00	03	20

RIG NO.: 14

FUEL @ 8:00

RIG | BOILER

WEATHER	
TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT.O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
102	20.83	X	70	121	FH	130	F-500	Emsco	191

TIME - HRS

CODE NO.	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	26
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	JET RATHOLE SET SOCK	WINTERIZE MANIFOLD	P.U. DIR. TOOL RUN	B.O.P. DRILL	F.I.T
MORN.																										
DAY							1/4								4 1/2								1	1	1/4	
EVE.		6								1/2										6 1/2					1/4	1/4
TOTAL																										

DRILL OUT

SHALE SHAKER(S)	
NO. / TYPE	1 / DFTS 500
SCREENS CHANGED	☐ YES ☒ NO
TOP	100
MIDDLE	80
BOTTOM	80

RENTALS/SERVICES

	MORN	DAY	EVE

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC 1000 daN
WT. OF STRING 1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Gel	105 sk
Lime	15

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	152			

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3 Function Test		
Accumulator Press		14,500 kPa
Remaining Press		11,000 kPa
Recharge Time		52 sec.

DRILLER SIGNATURE: [signature]

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0000	0400	4	14	NIPPLE UP BOP
0400	0800	4	22	JET RATHOLE & SET SOCK

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	Blown 2 x 19 Litres				

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR Tool		18.29 m
~~1~~	~~X/O~~		m
7	D.C		64.83 m
1	X/O		.92 m
			m
	D.P.	STANDS	m
3	D.P.	SINGLES	29.03 m
	KELLY DOWN		11.35 m
	TOTAL		124.67 m

WT. OF DC 7,000 1000 daN
WT. OF STRING 15,000 1000 daN

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	222
IADC CODE	
MFG.	B.R
TYPE	5566L
SERIAL NO.	1962520A
JETS (mm)	4/11.1 1/12.7
DEPTH OUT (m)	
DEPTH IN (m)	125
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
125				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	152			

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: [signature]

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0800	1000	2	15	PRESS TEST BLIND RAMS + MANIFOLD VALVES 1,400 kPA - 7,000 kPA 10 MIN each.
1000	1100	1	23	WINTERIZE MANIFOLD.
1100	1200	1	24	P.U. DIR TOOLS + R.I.H.
1200	1430	2 1/2	15	PRESS TEST, PIPE RAMS, HYDRIL, HCR, + STACK VALVES, STABBING VALVE, INSIDE B.O.P, UPPER Kelly cock 1,400 kPA - 7,000 kPA. 10 MIN each.
1430	1445	1/4	7	RIG SERVICE
1445	1500	1/4	35	B.O.P DRILL CREW IN POSITIONS 1 MIN 20
1500	1600	1	[redacted]	DRILL OUT CEMENT + FLOAT + SHOE TAGGED CEMENT @ 121m
		8		HRS

NOTES: USUALLY INSPECT FLARE + DEGASSER LINE. ✓ CROWN SAVER ✓ MOTOR KILLS. FLOOR 4 sec. Pump 7s

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	Blown 2 x 17 Litres				

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.25 m
1	DIR. TOOL		18.29 m
7	D.C	159	64.83 m
1	X/O	159	.92 m
			m
	D.P.	STANDS	m
22	D.P.	SINGLES	213.20 m
	KELLY DOWN		11.35 m
	TOTAL		308.84 m

WT. OF DC 7,000 1000 daN
WT. OF STRING 19,000 1000 daN

BIT RECORD

BIT NO.	#1 NEW
SIZE (mm)	222
IADC CODE	
MFG.	B.R.
TYPE	5566L
SERIAL NO.	1962520A
JETS (mm)	4/11.1 1/12.7
DEPTH OUT (m)	
DEPTH IN (m)	125
TOTAL METRES DRILLED (m)	183
TOTAL HOURS RUN	6 1/2

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	17:00	19:00	22:00
DENSITY kg/m³	1010	1010	1010
FUNNEL VIS. - (S/L)	29	29	29
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Envi Sloc	9 sks.
Gypsum	5 sks.
Retrol	1 sk.

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
125	308	D	50	4

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
5,000	152	120		

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
182.9	1.2	359.3
202.3	1.2	350.8
231.3	1.4	359.3

DRILLER SIGNATURE: [signature]

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
1600	1630	1/2	[redacted]	DRILLOUT
1630	1645	1/4	26	FORMATION INTEGRITY TEST
1645	1700	1/4	25	[redacted] BOP DRILL W/CREW
1700	2330	6 1/2	20	DRILL 222mm HOLE 125m - 308m
2330	2400	1/2	10	ACCUM SURVEYS
		8		HRS

- METRES SLIDE
154 - 159
163.5 - 167.5
251 - 255
261 - 265

NOTES: ✓ CROWN SAVER

141133

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	Blown 2 x 16 Litres				

141132

FOLD HERE →

LICENCE NO.:	WELL NAME AND NO.: REC WEST REN CARCAJOU D-47
OPERATOR: REC WEST	CONTRACTOR: AKITA DRILLING
SURFACE LOCATION:	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HS Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising ~~or Lowering~~		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
00	05	17

RIG NO. 14

FUEL @ 8:00

RIG | BOILER

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER	
TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

DO/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	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	26	TOTALS
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.						
MORN.																											
DAY																											
EVE.																											
TOTAL																											

SHALE SHAKER(S)		
NO.	TYPE	
SCREENS CHANGED ☐ YES ☐ NO		
TOP	TOP	
MIDDLE	MIDDLE	
BOTTOM	BOTTOM	

RENTALS/SERVICES	MORN.	DAY	EVE.

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour) NO.	BIT	O.D. mm	LENGTH
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD	
BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_I	T_O	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION	
HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD			
MUD TYPE	☐ WATER BASED	☐ OIL BASED	
TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED	
PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL			
DESILTER			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

DAY TOUR

DRILLING ASSEMBLY (At End of Tour) NO.	BIT	O.D. mm	LENGTH
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD	
BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_I	T_O	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION	
HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD			
MUD TYPE	☐ WATER BASED	☐ OIL BASED	
TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED	
PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL			
DESILTER			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1300	1600	3		MOVE AKITA #14 FOR REC WEST FR CARCAJOU D-7 TO 0-47 W/PENTASTAR TRUCKING 10Km.

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour) NO.	BIT	O.D. mm	LENGTH
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD	
BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_I	T_O	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION	
HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD			
MUD TYPE	☐ WATER BASED	☐ OIL BASED	
TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED	
PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL			
DESILTER			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2200	6		FINISH MOVING
2200	2400	2		RIG UP

NOTES Boiler fired @ 2100 hrs.

141132

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
3					

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