

PASON DATAHUB
Akita 40
Job 1
AFE 1
V 0111293422

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	5	27
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1122		



m)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	
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DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	5	23
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1118		



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	5	22
OPERATOR		CONTRACTOR				
ANADARKO CANADA CORP.		AKITA DRILLING LTD.				
RIG MANAGER				RIG NO.		
PAT DURAND				40		
PROVINCE		CAMP	☒ YES ☐ NO		RIG SAFETY DAYS	
N.W.T.					1117	

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

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 Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crawl/month)

(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

5

DAY

20

RIG NO.

40

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

5

CURRENT CONDITIONS

sunny

WIND DIRECTION

ROAD CONDITION

DRY

LAST CASING TUBING OR LINER

O.D. (mm)

177.8

MIN I.D. (mm)

156.7

MASS kg/m

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

PZ-9

GARDNER DENVER

229

PZ-9

GARDNER DENVER

229

PASON DATAHUB

Akita 40
Job 1
AFE 1
V 0111293422



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	SHALE SHAKER (S)		RENTALS / SERVICES		EVENING	DAY	
TIME		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. TYPE DERRICK	TYPE 2	MEGAJOULES 8006/99111			
	EVE	12.00																										12.00	SCREENS CHANGED	YES	NO	ACCUM 39			
	DAY	12.00																										12.00	TOP	TOP					
	TOTAL	24.00																										24.00	MIDDLE	MIDDLE					
																													BOTTOM	BOTTOM					

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

5

DAY

20

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

1115

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

HOLE DRAG

KELLY DOWN

TORQUE AT BOTTOM

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

EVENING TOUR

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

DRILLER SIGNATURE

PAT DURAND

HRS RUN

0.00

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0

1200

12.00

1

rig watch

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DERRICK HAND		Terry Sanderson	12.00		TS

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

HOLE DRAG

KELLY DOWN

TORQUE AT BOTTOM

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

DAY TOUR

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

DRILLER SIGNATURE

PAT DURAND

HRS RUN

0.00

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200

0

12.00

1

rig watch

CREW	SOC INS. NO.	NAME	HRS	YES	NO
MOTOR HAND		Andre Habel	12.00		AH

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58:30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

5

DAY

19

RIG NO.

40

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

6

CURRENT CONDITIONS

SUNNY

WIND DIRECTION

ROAD CONDITION

DRY

LAST CASING TUBING OR LINER

O.D. (mm)

177.8

MIN I.D. (mm)

156.7

MASS kg/m

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PZ-9

PUMP MANUFACTURER

GARDNER DENVER

STROKE LENGTH

229

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	SHALE SHAKER (S)	RENTALS / SERVICES	EVENING	DAY
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL G LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING										
EVE	12.00																									12.00	NO. TYPE DERRICK	MEGAJOULES 8006/99111			
DAY	12.00																									12.00	SCREENS CHANGED	YES NO	ACCUM 39		
TOTAL	24.00																									24.00	TOP	TOP			
																											MIDDLE	MIDDLE			
																											BOTTOM	BOTTOM			

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

5

DAY

19

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG NO.

40

RIG MANAGER

PAT DURAND

RIG SAFETY DAYS

1114

PROVINCE

N.W.T.

CAMP

X YES

NO

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DERRICK HAND

Terry Sanderson

12.00

TS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

116

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

115

PASON DATAHUB
Akita 40
Job 1
AFE 1
V 0111293422



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	5	15
OPERATOR		CONTRACTOR				
ANADARKO CANADA CORP.		AKITA DRILLING LTD.				
RIG MANAGER				RIG NO.		
PAT DURAND				40		
PROVINCE				CAMP		RIG SAFETY DAYS
N.W.T.				☒ YES ☐ NO		1110

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n)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	
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DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	5	13
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1108		

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PASON DATAHUB
Akita 40
Job 1
AFE 1
V 0111293422



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	5	12
OPERATOR			CONTRACTOR			
ANADARKO CANADA CORP.			AKITA DRILLING LTD.			
RIG MANAGER				RIG NO.		
PAT DURAND				40		
PROVINCE		CAMP	☒ YES ☐ NO		RIG SAFETY DAYS	
N.W.T.					1107	

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LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

CONTRACTOR

ANADARKO CANADA CORP.

AKITA DRILLING LTD.

SURFACE LOCATION

UNIQUE ID

80:25:50.10 N 123:31:58.30 W

300P166030123300

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/high/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Skills Checked

YEAR

MONTH

DAY

2003

5

11

LAST CASING TUBING OR LINER

O.D. (mm)

MIN I.D. (mm)

MASS kg/m

MAKE

GRADE

NO. of JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

FUEL @ 08:00 HRS

177.8

159.4

38.69

ALGOMA

L80

72

2373.28

TEMPERATURE

12

CURRENT CONDITIONS

WINDY

WIND DIRECTION

WEST

ROAD CONDITION

DRY

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

PZ-9

GARDNER DENVER

229

PZ-9

GARDNER DENVER

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)		RENTALS / SERVICES		EVENING	DAY		
TIME HRS		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. TYPE 1 DERRICK	TYPE 2	MEGAJOULES 8006/99111				
	EVE	12.00																											12.00	SCREENS CHANGED	☐	YES	NO	ACCUM 39		
	DAY	12.00																											12.00	TOP	TOP					
	TOTAL	24.00																											24.00	MIDDLE	MIDDLE					
																														BOTTOM	BOTTOM					

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

KELLY DOWN

TORQUE AT BOTTOM

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

EVENING TOUR

FROM

0

TO

1200

INJURIES

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEPTH (M)

DEVIATION

DIRECTION

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0

1200

12.00

1

rig watch

TIME LOG

FROM

TO

ELAPSED TIME

CODE

1

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

KELLY DOWN

TORQUE AT BOTTOM

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

DAY TOUR

FROM

1200

TO

2400

INJURIES

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEPTH (M)

DEVIATION

DIRECTION

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200

2400

12.00

1

RIG WATCH

TIME LOG

FROM

TO

ELAPSED TIME

CODE

1

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

5

DAY

11

OPERATOR

CONTRACTOR

ANADARKO CANADA CORP.

AKITA DRILLING LTD.

RIG MANAGER

RIG NO.

PAT DURAND

40

PROVINCE

CAMP

X

YES

NO

RIG SAFETY DAYS

1106

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Alvin Vogt

12.00

AV

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

108

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DERRICK HAND

Terry Sanderson

12.00

TS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

107



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	5	10
OPERATOR		CONTRACTOR				
ANADARKO CANADA CORP.		AKITA DRILLING LTD.				
RIG MANAGER				RIG NO.		
PAT DURAND				40		
PROVINCE		CAMP		RIG SAFETY DAYS		
N.W.T.		☒ YES ☐ NO		1105		

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Slick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAGDC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

5

DAY

9

RIG NO.

40

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

5

CURRENT CONDITIONS

calm

WIND DIRECTION

CALM

ROAD CONDITION

DRY

LAST CASING TUBING OR LINER

O.D. (mm)

177.8

MIN I.D. (mm)

156.7

MASS kg/m

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

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	SHALE SHAKER (S)	RENTALS / SERVICES	EVENING	DAY	
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING							NO. TYPE 1 DERRICK	TYPE 2	MEGAJOULES 8006/99111		
EVE	12.00																										12.00	TOP	TOP			
DAY	12.00																										12.00	MIDDLE	MIDDLE			
TOTAL	24.00																										24.00	BOTTOM	BOTTOM			

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

WT. OF D.C.

WT. OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE SPM

PUMP NO. 2 LINER SIZE SPM

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

WT. OF D.C.

WT. OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE SPM

PUMP NO. 2 LINER SIZE SPM

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

PASON DATAHUB

Akita 40

Job 1

Afe 1

V 0111293422

CAGDC

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

5

DAY

9

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

1104

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Alvin Vogt

12.00

AV

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

106

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DERRICK HAND

Terry Sanderson

12.00

TS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

105

n)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	5	7
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1102		

[illegible][illegible]

n)	PASON DATAHUB	
	Akita 40	
	Job 1	
	APE 1	
	V 0111293422	
E		
H		

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	5	6
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE		CAMP	RIG SAFETY DAYS	
N.W.T.		☒ YES ☐ NO	1101	

[illegible][illegible]

[illegible]

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	5	5
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1100		

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

CONTRACTOR

ANADARKO CANADA CORP.

AKITA DRILLING LTD.

SURFACE LOCATION

UNIQUE ID

80:25:50.10 N 123:31:58.30 W

300P166030123300

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

MONTH

DAY

2003

5

4

LAST CASING TUBING OR LINER

O.D. (mm)

MIN I.D. (mm)

MASS kg/m

MAKE

GRADE

NO. of JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

RIG NO.

40

FUEL @ 08:00 HRS

RIG

BOILER

177.8

156.7

43.15

ALGOMA

L80

4

49.64

TEMPERATURE

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

-3

PZ-9

GARDNER DENVER

229

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

CLEAR

NORTH

SNOW

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

DATE	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	SHALE SHAKER (S)		RENTALS / SERVICES	EVENING	DAY		
		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. TYPE 1 DERRICK	TYPE 2	MEGAJOULES 8006/99111			
																														SCREENS CHANGED	YES	NO	ACCUM 39		
	EVE	12.00																											12.00	TOP	TOP				
	DAY	12.00																											12.00	MIDDLE	MIDDLE				
TOTAL	24.00																										24.00	BOTTOM	BOTTOM						

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

5

DAY

4

OPERATOR

CONTRACTOR

ANADARKO CANADA CORP.

AKITA DRILLING LTD.

RIG MANAGER

RIG NO.

PAT DURAND

40

PROVINCE

CAMP

X

YES

NO

RIG SAFETY DAYS

1099

N.W.T.

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

EVENING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

WT. OF D.C.

WT. OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES

DRILLER SIGNATURE

Alvin Vogt

HRS RUN

0.00

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0

1200

12.00

1

RIG WATCH

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Alvin Vogt

12.00

AV

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

101

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Mark Mauthe

12.00

MM

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

100

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

WT. OF D.C.

WT. OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES

DRILLER SIGNATURE

Mark Mauthe

HRS RUN

0.00

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200

2400

12.00

1

rig watch

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Mark Mauthe

12.00

MM

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

100



DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	5	3
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE		CAMP		RIG SAFETY DAYS
N.W.T.		☒ YES ☐ NO		1098

	CREW SAFETY DAYS	
	100	

	CREW SAFETY DAYS	
	99	

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted if Required

(4.) Well Licence & Slick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crow/month)

(2.) CAODC Rig Safet Inspection Checklist (one/tg/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

5

DAY

1

RIG NO.

40

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

3

CURRENT CONDITIONS

SNOWING

WIND DIRECTION

NORTH

ROAD CONDITION

SNOW & WET

LAST CASING TUBING OR LINER

O.D. (mm)

MIN I.D. (mm)

MASS kg/m

MAKE

GRADE

NO. of JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

177.8

159.4

38.69

ALGOMA

L80

72

2373.28

177.8

156.7

43.15

ALGOMA

L80

4

49.64

PZ-9

GARDNER DENVER

229

PZ-9

GARDNER DENVER

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

CODE NO.																										SHALE SHAKER (S)		RENTALS / SERVICES		EVENING		DAY	
																										NO. TYPE		MEGAJOULES 8006/99111					
																										1 DERRICK							
																										SCREENS CHANGED		YES NO		ACCUM 39			
																										TOP		TOP					
																										MIDDLE		MIDDLE					
																										BOTTOM		BOTTOM					
TOTALS																																	
EVE																										12.00							
DAY																										12.00							
TOTAL																										24.00							

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

5

DAY

1

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG NO.

40

RIG MANAGER

PAT DURAND

PROVINCE

N.W.T.

CAMP

☒ YES ☐ NO

RIG SAFETY DAYS

1096

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

EVENING TOUR

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

DRILLER SIGNATURE

Alvin Vogt

HRS RUN

0.00

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

RIG WATCH

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Alvin Vogt	12.00		AV

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

DAY TOUR

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

DRILLER SIGNATURE

Mark Mauthe

HRS RUN

0.00

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

rig watch

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

98

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mark Mauthe	12.00		MM

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

97

[illegible]

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	29
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	☒ YES ☐ NO		RIG SAFETY DAYS
N.W.T.				1094

[illegible][illegible]

n)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	28
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1093		

[illegible][illegible]

[illegible]

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	26
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1091		

[illegible][illegible]

	n)	PASON DATAHUB	
		Akita 40	
		Job 1	
		A/E 1	
		V 0111293422	
	e) H		

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.	YEAR	MONTH	DAY
ANADARKO LIARD P-16	2003	4	25
OPERATOR	CONTRACTOR		
ANADARKO CANADA CORP.	AKITA DRILLING LTD.		
RIG MANAGER	RIG NO.		
PAT DURAND	40		
PROVINCE	CAMP	RIG SAFETY DAYS	
N.W.T.	☒ YES ☐ NO	1090	

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Well Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

24

RIG NO.

40

FUEL @ 08:00 HRS

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

177.8

159.4

38.69

ALGOMA

L80

72

2373.28

177.8

156.7

43.15

ALGOMA

L80

4

49.64

TEMPERATURE

8

CURRENT CONDITIONS

cloudy

WIND DIRECTION

CALM

ROAD CONDITION

MUDDY

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

PZ-9

GARDNER DENVER

229

PZ-9

GARDNER DENVER

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)			RENTALS / SERVICES		EVENING	DAY	
		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. 1	TYPE DERRICK	TYPE 2	MEGAJOULES 8006/99111			
																														SCREENS CHANGED	YES	NO	ACCUM 39			
EVE	8.00																											8.00	TOP	TOP						
DAY	8.00																											8.00	MIDDLE	MIDDLE						
TOTAL	16.00																											16.00	BOTTOM	BOTTOM						

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

24

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

☒ YES ☐ NO

RIG SAFETY DAYS

1089

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

T1

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

EVENING TOUR

MUD RECORD

MUD TYPE

☐ WATER BASED ☐ OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

@

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

800

1600

8.00

1

RIG watch

TIME LOG

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

PAT DURAND

0.00

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

8.00

AH

FLOOR HAND

Nathan Surinak

8.00

NS

RATE SCHEDULE

☒ X ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

91

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

T1

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

DAY TOUR

MUD RECORD

MUD TYPE

☐ WATER BASED ☐ OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

@

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1400

2200

8.00

1

fly to rig & rig watch

TIME LOG

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

Alvin Vogt

0.00

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Alvin Vogt

8.00

AV

DRILLER

Mark Mauthe

8.00

MM

RATE SCHEDULE

☒ X ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

90

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well License & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

23

RIG NO.

40

FUEL @ 08:00 HRS

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

177.8

159.4

38.69

ALGOMA

L80

72

2373.28

177.8

156.7

43.15

ALGOMA

L80

4

49.64

TEMPERATURE

4

CURRENT CONDITIONS

rain

WIND DIRECTION

SOUTH

ROAD CONDITION

MUDDY

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

229

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)		RENTALS / SERVICES		EVENING	DAY		
TIME SHEET		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. 1	TYPE DERRICK	TYPE 2	MEGAJOULES 8006/99111			
	EVE	12.00																										12.00	SCREENS CHANGED	YES	NO	ACCUM 39				
																													TOP	TOP						
	DAY																												MIDDLE	MIDDLE						
	TOTAL	12.00																										12.00	BOTTOM	BOTTOM						

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

23

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

RIG SAFETY DAYS

1088

PROVINCE

N.W.T.

CAMP

☒ YES ☐ NO

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

EVENING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

O.D.

BIT NO.

MUD TYPE

☐ WATER BASED ☐ OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SIZE

TIME

800

2000

12.00

1

RIG watch, clean , paint

IADC CODE

DENSITY (KG/M3)

MANUFACTURER

FUNNEL VISCOSITY

TYPE

FLUID LOSS (cm3)

SERIAL NO.

pH

JETS

DEPTH OUT

MUD MATERIALS ADDED

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DEPTH IN

PRODUCT

AMOUNT

UNIT

DESILTER

LINEAR SIZE

SPM

LINEAR SIZE

SPM

TOTAL M DRILLED

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

TOTAL HRS RUN

DEVIATION SURVEYS

CUTTING STRUCTURE

DEPTH (M)

DEVIATION

DIRECTION

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

HOLE CONDITION

NOTES :

DRILL PIPE STANDS

HOLE DRAG

DRILL PIPE SINGLES

TORQUE AT BOTTOM

KELLY DOWN

FILL ON BOTTOM (M)

TOTAL

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

WT. OF D.C.

PAT DURAND

WT. OF STRING

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

FLOOR HAND

Nathan Surinak

12.00

NS

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

90

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

O.D.

BIT NO.

MUD TYPE

☐ WATER BASED ☐ OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SIZE

TIME

IADC CODE

DENSITY (KG/M3)

MANUFACTURER

FUNNEL VISCOSITY

TYPE

FLUID LOSS (cm3)

SERIAL NO.

pH

JETS

DEPTH OUT

MUD MATERIALS ADDED

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DEPTH IN

PRODUCT

AMOUNT

UNIT

DESILTER

LINEAR SIZE

SPM

LINEAR SIZE

SPM

TOTAL M DRILLED

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

TOTAL HRS RUN

DEVIATION SURVEYS

CUTTING STRUCTURE

DEPTH (M)

DEVIATION

DIRECTION

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

HOLE CONDITION

NOTES :

DRILL PIPE STANDS

HOLE DRAG

DRILL PIPE SINGLES

TORQUE AT BOTTOM

KELLY DOWN

FILL ON BOTTOM (M)

TOTAL

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

WT. OF D.C.

WT. OF STRING

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

89

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

22

RIG NO.

40

FUEL @ 08:00 HRS

TEMPERATURE

4

CURRENT CONDITIONS

rain

WIND DIRECTION

CALM

ROAD CONDITION

MUDDY

LAST CASING TUBING OR LINER

O.D. (mm)

177.8

MIN I.D. (mm)

156.7

MASS kg/m

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PZ-9

PUMP MANUFACTURER

GARDNER DENVER

STROKE LENGTH

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)			RENTALS / SERVICES		EVENING	DAY	
TIME		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. 1	TYPE DERRICK	TYPE 2	MEGAJOULES 8006/99111			
																														SCREENS CHANGED	YES	NO	ACCUM 39			
																															TOP	TOP				
EVE	12.00																										12.00									
DAY																																				
TOTAL	12.00																										12.00									

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

22

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

☒ YES

☐ NO

RIG SAFETY DAYS

1087

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

FLOOR HAND

Nathan Surinak

12.00

NS

RATE SCHEDULE

☒ X

REGULAR

☐

REPAIR

☐

INVERT

☐

CREW SAFETY DAYS

89

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

☒ X

REGULAR

☐

REPAIR

☐

INVERT

☐

CREW SAFETY DAYS

88

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted if Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

20

RIG NO.

40

FUEL @ 08:00 HRS

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

177.8

156.7

43.15

ALGOMA

L80

4

49.64

TEMPERATURE

0

CURRENT CONDITIONS

SUNNY

WIND DIRECTION

CALM

ROAD CONDITION

MUDDY

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

229

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)		RENTALS / SERVICES		EVENING	DAY		
DATE / TIME		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING														
	EVE	12.00																											12.00							
	DAY																																			
	TOTAL	12.00																											12.00							
																											NO. 1	TYPE 1	TYPE 2							
																											DERRICK									
																											SCREENS CHANGED		YES	NO						
																											TOP			TOP						
																											MIDDLE			MIDDLE						
																											BOTTOM			BOTTOM						

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

20

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

1085

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

FLOOR HAND

Nathan Surinak

12.00

NS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

87

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

86

n)	PASON DATAHUB Akita 40 Job 1 A/E 1 V 0111293422	
E		
H		

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	19
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1084		

P) **PASON DATAHUB**
 Akita 40
 Job 1
 AFE 1
 V 0111293422

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	17
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1082		

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

OPR

R.M.

YEAR

2003

MONTH

4

DAY

16

RIG NO.

40

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

0

CURRENT CONDITIONS

SUNNY

WIND DIRECTION

CALM

ROAD CONDITION

MUDDY

LAST CASING TUBING OR LINER

O.D. (mm)

177.8

MIN I.D. (mm)

156.7

MASS kg/m

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)		RENTALS / SERVICES		EVENING	DAY	
0311 1011		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. TYPE 1 DERRICK	TYPE 2	MEGAJOULES 8006/99111			
	EVE	12.00																										12.00	SCREENS CHANGED	YES	NO	ACCUM 39			
																													TOP	TOP					
	DAY																													MIDDLE	MIDDLE				
	TOTAL	12.00																										12.00	BOTTOM	BOTTOM					

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

EVENING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

O.D.

BIT NO.

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SIZE

TIME

IADC CODE

DENSITY (KG/M3)

MANUFACTURER

FUNNEL VISCOSITY

TYPE

FLUID LOSS (cm3)

SERIAL NO.

pH

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

O.D.

BIT NO.

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SIZE

TIME

IADC CODE

DENSITY (KG/M3)

MANUFACTURER

FUNNEL VISCOSITY

TYPE

FLUID LOSS (cm3)

SERIAL NO.

pH

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

RIG SAFETY DAYS

1081

PROVINCE

N.W.T.

CAMP

X

YES

NO

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

FLOOR HAND

Nathan Surinak

12.00

NS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

83

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

82

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG/MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted if Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

15

RIG NO.

40

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

0

CURRENT CONDITIONS

SUNNY

WIND DIRECTION

CALM

ROAD CONDITION

MUDDY

LAST CASING TUBING OR LINER

O.D. (mm)

177.8

MIN I.D. (mm)

156.7

MASS kg/m

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

PZ-9

GARDNER DENVER

229

PZ-9

GARDNER DENVER

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)			RENTALS / SERVICES		EVENING	DAY	
DATE / TIME		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS -	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO. 1	TYPE 1 DERRICK	TYPE 2	MEGAJOULES 8006/99111			
																														SCREENS CHANGED	YES	NO	ACCUM 39			
	EVE	12.00																														TOP	TOP			
DAY																														MIDDLE	MIDDLE					
TOTAL	12.00																													BOTTOM	BOTTOM					

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

DRILLER SIGNATURE

PAT DURAND

HRS RUN

BOILER pH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

15

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

☒ YES ☐ NO

RIG SAFETY DAYS

1080

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

FLOOR HAND

Nathan Surinak

12.00

NS

RATE SCHEDULE

☒ X ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

82

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

RATE SCHEDULE

☒ X ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

81

0)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	14
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	YES ☒ NO ☐		RIG SAFETY DAYS
N.W.T.				1079

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted if Required

(4.) Well Licence & Slick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crow/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

13

RIG NO.

40

FUEL @ 08:00 HRS

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

177.8

156.7

43.15

ALGOMA

L80

4

49.64

TEMPERATURE

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)

MIN I.D. (mm)

MASS kg/m

MAKE

GRADE

NO. of JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

PASON DATAHUB

Akita 40
Job 1
AFE 1
V 0111293422



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		SHALE SHAKER (S)		RENTALS / SERVICES		EVENING	DAY			
DATE		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILG LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING							TOTALS	NO. 1	TYPE DERRICK	TYPE 2	MEGAJOULES 8006/99111				
																															SCREENS CHANGED	YES	NO	ACCUM 39			
	EVE	12.00																											12.00	TOP	TOP						
	DAY																														MIDDLE	MIDDLE					
	TOTAL	12.00																											12.00	BOTTOM	BOTTOM						

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

PAT DURAND

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

13

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG NO.

40

RIG SAFETY DAYS

1078

PROVINCE

N.W.T.

CAMP

X

YES

NO

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

FLOOR HAND

Nathan Surinak

12.00

NS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

80

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

79

n) **PASON DATAHUB**
Akita 40
Job 1
AFE 1
V 0111293422

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	12
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	YES ☒ NO ☐		RIG SAFETY DAYS
N.W.T.				1077

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/high/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

11

RIG NO.

40

FUEL @ 08:00 HRS

104

TEMPERATURE

2

CURRENT CONDITIONS

CLEAR

WIND DIRECTION

CALM

ROAD CONDITION

ROUGH

LAST CASING TUBING OR LINER

177.8

O.D. (mm)

156.7

MIN I.D. (mm)

43.15

MASS kg/m

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PZ-9

PUMP MANUFACTURER

GARDNER DENVER

STROKE LENGTH

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)			RENTALS / SERVICES		EVENING	DAY		
DATE : ME - 1		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING									NO. 1	TYPE DERRICK	TYPE 2	MEGAJOULES 8006/99111			
																														SCREENS CHANGED		YES	NO	ACCUM 39			
	EVE	8.00																											8.00	TOP		TOP					
	DAY	12.00																											12.00	MIDDLE		MIDDLE					
TOTAL	20.00																										20.00	BOTTOM		BOTTOM							

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

11

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

☒ YES ☐ NO

RIG SAFETY DAYS

1076

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

BIT RECORD

EVENING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0

800

8.00

1

rig out stream air water fuel

clean boilers & derrick

800

DRILLER SIGNATURE

Terry Sanderson

HRS RUN

8.00

BOILER PH

10.0

STACK TEMP

190

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Terry Sanderson

8.00

TS

DERRICK HAND

Dan MacNeil

8.00

DM

MOTOR HAND

Nathan Surinak

12.00

NS

FLOOR HAND

David Bragg

8.00

DB

FLOOR HAND

Jonathan Carlick

8.00

JC

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

78

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200

2400

12.00

1

RIG WATCH

DRILLER SIGNATURE

PAT DURAND

HRS RUN

0.00

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

MOTOR HAND

Andre Habel

12.00

AH

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

77

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

CONTRACTOR

ANADARKO CANADA CORP.

AKITA DRILLING LTD.

SURFACE LOCATION

UNIQUE ID

80:25:50.10 N 123:31:58.30 W

300P166030123300

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

Don Christie

PAT DURAND

DAILY CHECKS

OPR

R.M.

YEAR

MONTH

DAY

2003

4

10

FUEL @ 08:00 HRS

114

TEMPERATURE

DC / DP

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

LAST CASING TUBING OR LINER

O.D. (mm)

MIN I.D. (mm)

MASS kg/m

MAKE

GRADE

NO. of JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

177.8

156.7

43.15

ALGOMA

L80

49

572.88

5.46

2992.00

177.8

159.4

38.69

ALGOMA

L80

72

2373.28

177.8

156.7

43.15

ALGOMA

L80

4

49.64

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

CLEAR

CALM

MUDDY

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

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	SHALE SHAKER (S)	RENTALS / SERVICES	EVENING	DAY
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING										
EVE											2.75					9.00					0.25						12.00				
DAY	3.00										9.00																12.00				
TOTAL	3.00										11.75					9.00					0.25						24.00				

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

BIT RECORD

EVENING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0

900

9.00

16

TEST WELL / W BUILD UPS

900

1030

1.50

11

WIRE LINE LOGS RIG UP SURFACE TEST TOOLS

1030

1045

0.25

21

SAFETY MTG. RUNNING WIRE LINE

1045

1200

1.25

11

WIRE LINE LOGS

MUD MATERIALS ADDED

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

PRODUCT

AMOUNT

UNIT

LINE SIZE

SPM

LINE SIZE

SPM

DESILTER

152.0

152.0

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES:

INSP/DEADLINE ANCHOR FASTLINE CLAMP

BLEW DOWN BOILER 4 TIMES AT 6 SEC. EACH.

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

Terry Sanderson

12.00

10.0

190

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

YEAR

MONTH

DAY

ANADARKO LIARD P-16

2003

4

10

OPERATOR

CONTRACTOR

ANADARKO CANADA CORP.

AKITA DRILLING LTD.

RIG MANAGER

RIG NO.

PAT DURAND

40

PROVINCE

CAMP

X

YES

NO

RIG SAFETY DAYS

1075

N.W.T.

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Terry Sanderson	8.00		TS
DERRICK HAND		Dan MacNeil	12.00		DM
MOTOR HAND		Nathan Surinak	12.00		NS
FLOOR HAND		David Bragg	12.00		DB
FLOOR HAND		Jonathan Carlick	12.00		JC

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

77

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200

2100

9.00

11

WIRE LINE LOGS

2100

2130

0.50

1

rig out wireline truck

2130

2400

2.50

1

rig out steam air water fuel

MUD MATERIALS ADDED

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

PRODUCT

AMOUNT

UNIT

LINE SIZE

SPM

LINE SIZE

SPM

DESILTER

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES:

DRILLER SIGNATURE

HRS RUN

BOILER PH

STACK TEMP

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

Brent Williams

12.00

10.0

190

DAY TOUR

FROM

TO

INJURIES

1200

2400

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Brent Williams

12.00

BW

DERRICK HAND

Ernie Lafleur

12.00

EL

MOTOR HAND

Darrell Porter

12.00

DP

FLOOR HAND

Wade Sledz

12.00

WS

FLOOR HAND

Tom Morris

12.00

TM

LEASE HAND

Bill Hetherington

12.00

BH

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

76

PASON DATAHUB
Akita 40
Job 1
AFE 1
V 0111293422

WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	4	9
OPERATOR		CONTRACTOR				
ANADARKO CANADA CORP.		AKITA DRILLING LTD.				
RIG MANAGER				RIG NO.		
PAT DURAND				40		
PROVINCE		CAMP		RIG SAFETY DAYS		
N.W.T.		☒ YES ☐ NO		1074		

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

ANADARKO LIARD P-16

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

SURFACE LOCATION

80:25:50.10 N 123:31:58.30 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

Don Christie

UNIQUE ID

300P166030123300

SIGNATURE OF CONTRACTOR'S RIG MANAGER

PAT DURAND

DAILY CHECKS

(1.) Daily Walk Around Inspection

(2.) Detailed Inspection - Weekly (Using Check List)

(3.) H2S Signs Posted If Required

(4.) Well Licence & Slick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crew/month)

(2.) CAODC Rig Safety Inspection Checklist (one/rig/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

4

DAY

8

RIG NO.

40

FUEL @ 08:00 HRS

85

TEMPERATURE

5

CURRENT CONDITIONS

CLEAR

WIND DIRECTION

CALM

ROAD CONDITION

ROUGH

LAST CASING TUBING OR LINER

O.D. (mm)

177.8

MIN I.D. (mm)

156.7

MASS kg/in

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

5.46

SET AT (m)

2992.00

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PZ-9

PUMP MANUFACTURER

GARDNER DENVER

STROKE LENGTH

229

PASON DATAHUB

Akita 40

Job 1

AFE 1

V 0111293422

CAODC

CODE NO.																											SHALE SHAKER (S)		RENTALS / SERVICES		EVENING	DAY	
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	NO. 1	TYPE DERRICK	TYPE 2	MEGAJOULES 8006/99111			
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING												
EVE																12.00										12.00		TOP	TOP				
DAY																12.00										12.00		MIDDLE	MIDDLE				
TOTAL																24.00										24.00		BOTTOM	BOTTOM				

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

BIT

O.D.

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

DRILLER SIGNATURE

Terry Sanderson

HRS RUN

12.00

BOILER PH

10.0

STACK TEMP

190

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

TEST WELL W/ BUILD UPS

NOTES: INSP DEADLINE CLAMP BRAKE LINKAGE

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

BIT

O.D.

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

DRILLER SIGNATURE

Brent Williams

HRS RUN

12.00

BOILER PH

10.0

STACK TEMP

190

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

TEST WELL W/ BUILD UPS

NOTES: FIT TEST CREW & DOCUMENT W/SCBA'S (BRENT)

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

4

DAY

8

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

1073

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Terry Sanderson	12.00		TS
DERRICK HAND		Dan MacNeil	12.00		DM
MOTOR HAND		Nathan Surinak	12.00		NS
FLOOR HAND		David Bragg	12.00		DB
FLOOR HAND		Jonathan Carlick	12.00		JC

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

75

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Brent Williams	12.00		BW
DERRICK HAND		Ernie Lafleur	12.00		EL
MOTOR HAND		Darrell Porter	12.00		DP
FLOOR HAND		Wade Sledz	12.00		WS
FLOOR HAND		Tom Morris	12.00		TM
LEASE HAND		Bill Hetherington	12.00		BH

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

74

n)	PASON DATAHUB	
	Akita 40	
	Job 1	
	A/E 1	
	V 0111293422	

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	4	7
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1072		

LICENCE NO. WELL NAME & NO. ANADARKO LIARD P-16 OPERATOR ANADARKO CANADA CORP. CONTRACTOR AKITA DRILLING LTD. SURFACE LOCATION 80:25:50.10 N 123:31:58.30 W SIGNATURE OF OPERATOR'S REPRESENTATIVE Don Christie SIGNATURE OF CONTRACTOR'S RIG MANAGER PAT DURAND DAILY CHECKS (1.) Daily Walk Around Inspection (2.) Detailed Inspection - Weekly (Using Check List) (3.) H2S Signs Posted if Required (4.) Well Licence & Stick Diagram Posted (5.) Flare Lines Staked (6.) BOP Drills Performed (7.) Visually Inspect BOPs- Flare Lines & Degasser Lines (1.) Rig Site Health & Safety Meeting (one/crew/month) (2.) CAODC Rig Safety Inspection Checklist (one/rig/month) (3.) Mast Inspection before Raising or Lowering (4.) Crown Saver Checked (5.) Motor Kills Checked

CODE 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	SHALE SHAKER (S)	RENTALS / SERVICES	EVENING	DAY
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING										
EVE																12.00											12.00				
DAY																12.00											12.00				
TOTAL																24.00											24.00				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	EVENING TOUR	MUD RECORD	METRES DRILLED	TIME LOG
	BIT	O.D.	BIT NO.	MUD TYPE	☐ WATER BASED ☐ OIL BASED	FROM TO D-R-C RPM WOB	FROM TO ELAPSED TIME CODE
			SIZE	TIME		3125.00	0 1200 12.00 16
			IADC CODE	DENSITY (KG/M3)			
			MANUFACTURER	FUNNEL VISCOSITY			
			TYPE	FLUID LOSS (cm3)			
			SERIAL NO.	pH			
			JETS				
			DEPTH OUT	MUD MATERIALS ADDED	SOLIDS CONTROL	CIRCULATION PRESSURE kPa	PUMP NO. 1 PUMP NO. 2
			DEPTH IN	PRODUCT	AMOUNT	UNIT	LINEAR SIZE SPM LINEAR SIZE SPM
			TOTAL M DRILLED				152.0 152.0
			TOTAL HRS RUN				REDUCED PUMP SPEED
			CUTTING STRUCTURE				DEVIATION SURVEYS
			TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR				
			HOLE CONDITION				
	DRILL PIPE STANDS		HOLE DRAG				
	DRILL PIPE SINGLES		TORQUE AT BOTTOM				
	KELLY DOWN		FILL ON BOTTOM (M)				
	TOTAL						
	WT. OF D.C.						
	WT. OF STRING						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	DAY TOUR	MUD RECORD	METRES DRILLED	TIME LOG
	BIT	O.D.	BIT NO.	MUD TYPE	☐ WATER BASED ☐ OIL BASED	FROM TO D-R-C RPM WOB	FROM TO ELAPSED TIME CODE
			SIZE	TIME		3125.00	1200 1400 2.00 16
			IADC CODE	DENSITY (KG/M3)			1400 2400 10.00 16
			MANUFACTURER	FUNNEL VISCOSITY			2400
			TYPE	FLUID LOSS (cm3)			
			SERIAL NO.	pH			
			JETS				
			DEPTH OUT	MUD MATERIALS ADDED	SOLIDS CONTROL	CIRCULATION PRESSURE kPa	PUMP NO. 1 PUMP NO. 2
			DEPTH IN	PRODUCT	AMOUNT	UNIT	LINEAR SIZE SPM LINEAR SIZE SPM
			TOTAL M DRILLED				152.0 152.0
			TOTAL HRS RUN				REDUCED PUMP SPEED
			CUTTING STRUCTURE				DEVIATION SURVEYS
			TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR				
			HOLE CONDITION				
	DRILL PIPE STANDS		HOLE DRAG				
	DRILL PIPE SINGLES		TORQUE AT BOTTOM				
	KELLY DOWN		FILL ON BOTTOM (M)				
	TOTAL						
	WT. OF D.C.						
	WT. OF STRING						

PASON DATAHUB Akita 40 Job 1 AFE 1 V 0111293422



DRILLING CREW PAYROLL DATA WELL NAME & NO. ANADARKO LIARD P-16 YEAR 2003 MONTH 4 DAY 6 OPERATOR ANADARKO CANADA CORP. CONTRACTOR AKITA DRILLING LTD. RIG MANAGER PAT DURAND RIG NO. 40 RIG SAFETY DAYS 1071 PROVINCE N.W.T. CAMP ☒ YES ☐ NO

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Alvin Vogt	12.00		AV
DERRICK HAND		Ernie Lafleur	12.00		EL
MOTOR HAND		Andre Habel	12.00		AH
FLOOR HAND		Steve Pringle	12.00		SP
FLOOR HAND		Peter McLean	12.00		PM
LEASE HAND		Jeff Saulteaux	12.00		JS

RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT ☐ CREW SAFETY DAYS 73

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mike Wiebe	12.00		MDW
DERRICK HAND		Terry Sanderson	12.00		TS
MOTOR HAND		Dan MacNeil	12.00		DM
FLOOR HAND		Nathan Surinak	12.00		NS
FLOOR HAND		David Bragg	12.00		DB
LEASE HAND		Jonathan Carlick	12.00		JC

RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT ☐ CREW SAFETY DAYS 72

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	31
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1065		

DAY TOUR		FROM	TO	INJURIES			
CREW	SOC INS. NO.	NAME	HRS	YES	NO		
DRILLER		Alvin Vogt	12.00		AV		
WELL SITE CO-ORDINATOR		Justin Kelly	12.00		JK		
ASSIST DRILLER		Mike Wiebe	12.00		MDW		
DERRICK HAND		Ernie Lafleur	4.00		EL		
MOTOR HAND		Andre Habel	12.00		AH		
FLOOR HAND		Steve Pringle	12.00		SP		
FLOOR HAND		Peter McLean	12.00		PM		
LEASE HAND		Jeff Saulteaux	12.00		JS		
DRILLER		Mark Mauthe	8.00		MM		
DERRICK HAND		Terry Sanderson	8.00		TS		
MOTOR HAND		Dan MacNeil	8.00		DM		
FLOOR HAND		Nathan Surinak	8.00		NS		
FLOOR HAND		David Bragg	8.00		DB		
LEASE HAND		Jonathan Carlick	8.00		JC		
RATE SCHEDULE		X	REGULAR		REPAIR		INVERT
			CREW SAFETY DAYS				
			66				

	PASON DATAHUB	
)	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	
E H		

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	30
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1064		

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