

(m)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	
KE		
TH		

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	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	1062		

[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

Barry Googrich

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 & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

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

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

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

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kills Checked

YEAR

2003

MONTH

3

DAY

27

RIG NO.

40

FUEL @ 08:00 HRS

174

TEMPERATURE

15

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/m

43.15

MAKE

ALGOMA

GRADE

L80

NO. of JOINTS

49

TOTAL LENGTH

572.88

KB TO CSG HEAD

6.30

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

120

58.76

D.C.

57

120

IF

9

PZ-9

GARDNER DENVER

229

89

35.35

HWDP

57

89

IF

21

PZ-9

GARDNER DENVER

229

89

23.07

E & G

65

89

IF

328

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	NO.	TYPE	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								MEGAJOULES	10160/87313		
EVE					8.25	3.75																					12.00	210	TOP	ACCUM 36		
DAY					0.25	10.00	0.25													1.50							12.00	210	MIDDLE			
TOTAL					8.50	13.75	0.25													1.50							24.00	210	BOTTOM			

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.25

BIT RECORD

BIT NO.

1

SIZE

555.6

TIME

400

600

1000

3073.00

DENSITY (KG/M3)

1070

1090

1140

FUNNEL VISCOSITY

61

61

60

FLUID LOSS (cm3)

7.0

7.5

7.0

pH

10.5

10.0

10.5

PVT

85.40

85.60

85.70

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

BARITE

434

SX

DEPTH OUT

3073.00

DEPTH IN

2995.00

TOTAL M DRILLED

78.00

TOTAL HRS RUN

25.75

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

3.30

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

DRILL PIPE STANDS

2847.79

DRILL PIPE SINGLES

KELLY DOWN

-8.97

TOTAL

3073.00

WT. OF D.C.

WT. OF STRING

MUD RECORD

MUD TYPE

☒ WATER BASED

☐ OIL BASED

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

16000

152.0

52

152.0

52

REDUCED PUMP SPEED

8200

@

34

@

34

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

INSP DEADLINE CLAMP/BRAKE LINKAGE,CHECK FOR OIL,DEISEL LEAKS

BLEW DOWN BOILER 2 TIMES AT 5 SECONDS

HOLE FILL DIFF.-24

DRILLER SIGNATURE

Brent Williams

HRS RUN

12.00

BOILER PH

10.5

STACK TEMP

160

MAXIMUM EXPERIENCED HOOK LOAD

95

SAFETY TOPIC

MIXING

MACP

7781

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

3

DAY

27

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

PAT DURAND

RIG NO.

40

RIG SAFETY DAYS

1061

PROVINCE

N.W.T.

CAMP

☒ YES

☐ NO

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Brent Williams	12.00		BW
DERRICK HAND		Clarke Starre	12.00		CS
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
LEASE HAND		Walter Carlick	12.00		WC

RATE SCHEDULE

☒ REGULAR

☐ REPAIR

☐ INVERT

CREW SAFETY DAYS

63

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.25

BIT RECORD

BIT NO.

1

2

SIZE

555.6

155.6

TIME

3073.00

DENSITY (KG/M3)

1070

1090

1140

FUNNEL VISCOSITY

61

61

60

FLUID LOSS (cm3)

7.0

7.5

7.0

pH

10.5

10.0

10.5

JETS

85.40

85.60

85.70

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

BARITE

108

SX

DEPTH OUT

3073.00

DEPTH IN

2995.00

3073.00

TOTAL M DRILLED

78.00

TOTAL HRS RUN

25.75

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

3.30

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

DRILL PIPE STANDS

2847.79

DRILL PIPE SINGLES

KELLY DOWN

-8.97

TOTAL

3188.38

WT. OF D.C.

WT. OF STRING

MUD RECORD

MUD TYPE

☒ WATER BASED

☐ OIL BASED

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

14790

152.0

97

152.0

97

REDUCED PUMP SPEED

@

0

@

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

NOTES :

CHECKED DEADLINE ANCHOR, BREAK LINKAGE & CROWN SAVER

HOLEFILL 11.02 CALC. 10.41 DIF. 40

BLEW DOWN #1 2X 11 SEC EACH

DRILLER SIGNATURE

Alvin Vogt

HRS RUN

12.00

BOILER PH

10.0

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

95

SAFETY TOPIC

MACP

DAY TOUR

FROM

1200

TO

2400

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

Todd Block

12.00

TB

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

62

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 Ed Robinson 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/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

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
	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	TOP DRIVE	FLOW CHECK			
EVE		10.75					0.25			0.50												0.25	0.25			
DAY		4.00			6.00	1.25	0.25			0.25												0.25				
TOTAL		14.75			6.00	1.25	0.50			0.75												0.50	0.25			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	EVENING TOUR	MUD RECORD	METRES DRILLED	TIME LOG																			
1	BIT	O.D.	0.18	BIT NO.	1	MUD TYPE	X WATER BASED OIL BASED	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS									
1	DIR. TOOLS	120	28.97	SIZE	155.6	TIME		200	600	1000	3033.00	3063.00	D		6	0	445	4.75	2	DRILL F/3033-3043						
3	H.W.D.P.	89	27.56	IADC CODE	5 3 7	DENSITY (KG/M3)		1020	1020	1020						445	500	0.25	7	RIG SERVICE FUNC ANN 26 SEC						
1	P.B.L. SUB	120	2.44	MANUFACTURER	SMITH	FUNNEL VISCOSITY		55	54	47						500	515	0.25	22	SERVICE TOP DRIVE						
1	JAR W/ SDC	120	9.54	TYPE	XR30T	FLUID LOSS (cm3)		7.0	7.5	8.0						515	800	2.75	2	DRILL F/3043-3051						
18	H.W.D.P.	114	165.42	SERIAL NO.	ML8054	pH		10.5	10.5	11.0						800	815	0.25	10	DEV. SURVEY						
				JETS		PVT		82.90	81.60	80.50						815	1100	2.75	2	DRILL F/ 3051 - 3062						
				DEPTH OUT		MUD MATERIALS ADDED										1100	1115	0.25	23	FLOW CHECK @ 3362						
				DEPTH IN	2995.00	PRODUCT	AMOUNT	UNIT	SOLIDS CONTROL	CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE SPM	PUMP NO. 2 LINER SIZE SPM				1115	1130	0.25	10	DEV. SURVEY						
				TOTAL M DRILLED	68.00	DESILTER			12240	127.0	50	127.0	50			1130	1200	0.50	2	DRILL F/ 3062 - 3063						
				TOTAL HRS RUN	21.75	N - VIS	18	SX	REDUCED PUMP SPEED		6720	@	34	@	34											
				CUTTING STRUCTURE		HW 4935	8	PAIS	DEVIATION SURVEYS																	
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR		BARABUF	10	SX	CENTRIFUGE	DEPTH (M)	DEVIATION	DIRECTION														
				HOLE CONDITION																						
99	DRILL PIPE STANDS	2847.79		HOLE DRAG	15 DOWN 10 UP																					
	DRILL PIPE SINGLES			TORQUE AT BOTTOM																						
	KELLY DOWN	-18.90		FILL ON BOTTOM (M)																						
	TOTAL	3063.00																								
	WT. OF D.C.	8																								
	WT. OF STRING	80																								

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	DAY TOUR	MUD RECORD	METRES DRILLED	TIME LOG																			
1	BIT	O.D.	0.18	BIT NO.	1	MUD TYPE	X WATER BASED OIL BASED	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS									
1	DIR. TOOLS	120	28.97	SIZE	155.6	TIME		1400	1700	2200	3063.00	3073.00	D		6	1200	1600	4.00	2	DRILL F/3063 - 3073						
3	H.W.D.P.	89	27.56	IADC CODE	5 3 7	DENSITY (KG/M3)		1020	1040	1060						1600	1615	0.25	10	DEV. SURVEY						
1	P.B.L. SUB	120	2.44	MANUFACTURER	SMITH	FUNNEL VISCOSITY		60	56	60						1615	1715	1.00	5	CIR BOTTOMS UP .FLOW CHECK 3072. PUMP PILL						
1	JAR W/ SDC	120	9.54	TYPE	XR30T	FLUID LOSS (cm3)		6.5	7.0	7.0						1715	1730	0.25	7	RIG SERVICE FUNCTION CHOKE 17 SEC CLOSE 20 SEC OPEN						
18	H.W.D.P.	114	165.42	SERIAL NO.	ML8054	pH		11.0	11.0	10.5						1730	1845	1.25	6	TRIP FLOW CHECK 2937-2820 HOLE FILL 1.2 CAL .96 DIF .24						
				JETS				86.20	82.90	88.60						1845	1900	0.25	22	SERVICE TOP DRIVE						
				DEPTH OUT	3073.00	MUD MATERIALS ADDED										1900	2400	5.00	5	COND MUD / WEIGHT UP MUD SYSTEM						
				DEPTH IN	2995.00	PRODUCT	AMOUNT	UNIT	SOLIDS CONTROL	CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE SPM	PUMP NO. 2 LINER SIZE SPM				2400										
				TOTAL M DRILLED	78.00	DESILTER			12500	127.0	52	127.0	52													
				TOTAL HRS RUN	25.75	N - VIS	18	SX	REDUCED PUMP SPEED		68	@	34	@	34											
				CUTTING STRUCTURE		BARACARB 5	10	SX	DEVIATION SURVEYS																	
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR		BARACARB 50	10	SX	CENTRIFUGE	DEPTH (M)	DEVIATION	DIRECTION														
				HOLE CONDITION		BARITE	117	SX																		
99	DRILL PIPE STANDS	2847.79		HOLE DRAG	10-15 UP DOWN																					
	DRILL PIPE SINGLES			TORQUE AT BOTTOM	3800																					
	KELLY DOWN	-8.90		FILL ON BOTTOM (M)																						
	TOTAL	3073.00																								
	WT. OF D.C.	8																								
	WT. OF STRING	80																								

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	3	DAY	26
OPERATOR ANADARKO CANADA CORP.				CONTRACTOR AKITA DRILLING LTD.					
RIG MANAGER PAT DURAND				RIG NO. 40		RIG SAFETY DAYS 1060			
PROVINCE N.W.T.				CAMP	X YES	NO			
EVENING TOUR FROM 0 TO 1200 INJURIES									
CREW	SOC INS. NO.	NAME	HRS	YES	NO				
DRILLER		Brent Williams	12.00		BW				
DERRICK HAND		Clarke Starre	12.00		CS				
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				
LEASE HAND		Walter Carlick	12.00		WC				
RATE SCHEDULE X REGULAR REPAIR INVERT									
CREW SAFETY DAYS 62									
DAY TOUR FROM 1200 TO 2400 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		Todd Block	12.00		TB				
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 X REGULAR REPAIR INVERT									
CREW SAFETY DAYS 61									

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

Ed Robinson

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 & 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

3

DAY

25

RIG NO.

40

FUEL @ 08:00 HRS

125

TEMPERATURE

120

CURRENT CONDITIONS

CLEAR

WIND DIRECTION

CALM

ROAD CONDITION

SLIPPERY

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

6.30

SET AT (m)

2992.00

177.8

O.D. (mm)

159.4

MIN I.D. (mm)

38.69

MASS kg/m

ALGOMA

GRADE

L80

NO. OF JOINTS

72

TOTAL LENGTH

2373.28

KB TO CSG HEAD

SET AT (m)

177.8

O.D. (mm)

156.7

MIN I.D. (mm)

43.15

MASS kg/m

ALGOMA

GRADE

L80

NO. OF JOINTS

4

TOTAL LENGTH

49.64

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	TOTALS	SHALE SHAKER (\$)				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	TOP DRIVE SER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.25

BIT RECORD

BIT NO.

1

BIT

114

5.31

SIZE

155.6

MUD TYPE

☒ WATER BASED

☐ OIL BASED

FROM

2995.00

TO

D-R-C

RPM

WOB

TIME

100

DENSITY (KG/M3)

1010

FUNNEL VISCOSITY

37

FLUID LOSS (cm3)

9.0

pH

9.0

PVT

80.30

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

DESILTER

127.0

127.0

REDUCED PUMP SPEED

@

@

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

12.00

1030

1010

1860

8.00

1030

1010

1860

DRILLER SIGNATURE

Brent Williams

BOILER

PH

10.0

STACK TEMP

160

MAXIMUM EXPERIENCED HOOK LOAD

90

SAFETY TOPIC

MACP

9248

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.18

BIT RECORD

BIT NO.

1

BIT

114

1.08

SIZE

155.6

MUD TYPE

☒ WATER BASED

☐ OIL BASED

FROM

2995.00

TO

3033.00

D-R-C

D

RPM

WOB

5

TIME

1400

DENSITY (KG/M3)

1010

FUNNEL VISCOSITY

35

FLUID LOSS (cm3)

10.0

pH

10.5

PVT

82.10

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

DESILTER

12500

127.0

127.0

REDUCED PUMP SPEED

6720

@

34

@

34

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

3001.06

13.38

143.7

3010.67

17.17

144.2

DRILLER SIGNATURE

Alvin Vogt

BOILER

PH

10.0

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

100

SAFETY TOPIC

MACP

8661

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

3

DAY

25

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

1059

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Brent Williams	12.00		BW
DERRICK HAND		Clarke Starre	12.00		CS
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
LEASE HAND		Walter Carlick	12.00		WC

RATE SCHEDULE

☒ REGULAR

☐ REPAIR

☐ INVERT

CREW SAFETY DAYS

61

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.18

BIT RECORD

BIT NO.

1

BIT

114

1.08

SIZE

155.6

MUD TYPE

☒ WATER BASED

☐ OIL BASED

FROM

2995.00

TO

3033.00

D-R-C

D

RPM

WOB

5

TIME

1400

DENSITY (KG/M3)

1010

FUNNEL VISCOSITY

35

FLUID LOSS (cm3)

10.0

pH

10.5

PVT

82.10

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

DESILTER

12500

127.0

127.0

REDUCED PUMP SPEED

6720

@

34

@

34

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

3001.06

13.38

143.7

3010.67

17.17

144.2

DRILLER SIGNATURE

Alvin Vogt

BOILER

PH

10.0

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

100

SAFETY TOPIC

MACP

8661

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.18

BIT RECORD

BIT NO.

1

BIT

114

1.08

SIZE

155.6

MUD TYPE

☒ WATER BASED

☐ OIL BASED

FROM

2995.00

TO

3033.00

D-R-C

D

RPM

WOB

5

TIME

1400

DENSITY (KG/M3)

1010

FUNNEL VISCOSITY

35

FLUID LOSS (cm3)

10.0

pH

10.5

PVT

82.10

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

DESILTER

12500

127.0

127.0

REDUCED PUMP SPEED

6720

@

34

@

34

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

3001.06

13.38

143.7

3010.67

17.17

144.2

DRILLER SIGNATURE

Alvin Vogt

BOILER

PH

10.0

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

100

SAFETY TOPIC

MACP

8661

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

3

DAY

25

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

1059

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		Todd Block	12.00		TB
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

60

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	3	24
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	1058		

[illegible]

DAY TOUR		FROM 1200	TO 2400	INJURIES	
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Brent Williams	8.00		BW
WELL SITE CO-ORDINATOR		Justin Kelly	12.00		JK
DERRICK HAND		Clarke Starre	8.00		CS
MOTOR HAND		Darrell Porter	8.00		DP
FLOOR HAND		Wade Sledz	8.00		WS
FLOOR HAND		Tom Morris	8.00		TM
LEASE HAND		Bill Hetherington	8.00		BH
LEASE HAND		Walter Carlick	8.00		WC
DRILLER		Alvin Vogt	8.00		AV
ASSIST DRILLER		Mike Wiebe	8.00		MDW
DERRICK HAND		Todd Block	8.00		TB
MOTOR HAND		Andre Habel	8.00		AH
FLOOR HAND		Steve Pringle	8.00		SP
FLOOR HAND		Peter McLean	8.00		PM
LEASE HAND		Jeff Saulteaux	8.00		JS
RATE SCHEDULE	X	REGULAR		REPAIR	
					INVERT
CREW SAFETY DAYS					
59					

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	3	23
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1057		

[illegible][illegible]

PASON DATAHUB

Akita 40
Job 1
AFE 1
V 0111293422



TIME	CODE NO.																										TOTALS	SHALE SHAKER (\$)				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		NO.	TYPE	TYPE					
	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	WANT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	CLEAN TANKS						1	DERRICK	2	MEGAJOULES 7951 - 72473				
	SCREENS CHANGED		YES		NO	ACCUM 39																													
	TOP																																		
DAY														3.00	8.75							0.25						12.00	210	MIDDLE	175	MIDDLE			
TOTAL							6.75	0.25							0.50									4.50			12.00	210	BOTTOM	175	BOTTOM				
							6.75	0.25						3.00	9.25							0.25		4.50			24.00	210		175					

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	22
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE		RIG SAFETY DAYS		
N.W.T.		CAMP	1056	
		☒ YES	☐ NO	

[illegible][illegible]

RATE SCHEDULE		NO. REGULAR		REPAIR	X	INVERT
		CREW SAFETY DAYS				
		58				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD								DAY TOUR				MUD RECORD				METRES DRILLED						TIME LOG						
	BIT	O.D.		BIT NO.	1	MUD TYPE	☐ WATER BASED	☐ OIL BASED	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS														
1			0.18	SIZE	155.6													1200	1230	0.50	15	FILL ALL LINES & MANIFOLD WITH ANTIFREEZE										
3	BIT SUB	117	0.77	IADC CODE	5	3	7											1230	1700	4.50	23	SERVICE PUMPS/ STEAM CLEAN TANKS/STRIP IVERT										
21	H.W.D.P.	120	192.94	MANUFACTURER	SMITH													1700	1715	0.25	7	RIG SERVICE, FUNCTION SHEAR RAMS 6 SEC. TO CLOSE										
				TYPE	XR30T													1715	2400	6.75	6	TRIPS MAKE UP NEW BHA 3.5 STRING & RIH										
				SERIAL NO.	ML8054																											
				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		221.25																													
	WT. OF D.C.																															
	WT. OF STRING																															

[illegible]

RATE SCHEDULE	REGULAR	REPAIR	X	INVERT
	CREW SAFETY DAYS			
	57			

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	3	21
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1055		

[illegible][illegible]

m)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	
KE		
TH		

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	20
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG NAME		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1054		

[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

UNIQUE ID

300P166030123300

SIGNATURE OF OPERATOR'S REPRESENTATIVE

Don CHRISTIE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

Alvin Vogt

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 & Dagassger Lines

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

(2.) CADDG 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

3

DAY

19

RIG NO.

40

FUEL @ 08:00 HRS

182

TEMPERATURE

DO / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

O.D. (mm)

MIN I.D. (mm)

MASS kg/m

MAKE

GRADE

NO. of JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

339.7

330.0

81.10

TASMA

K55

14

192.70

6.30

199.00

244.5

233.0

59.53

L80

57

803.60

171

156.10

D.C.

70

171

5H90

23

PZ-9

GARDNER DENVER

229

114

62.40

HWDP

70

114

4.5-XH

12

PZ-9

GARDNER DENVER

229

114

29.70

E

70

114

4.5-XH

219

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	DROP JIRO							NO. TYPE		MEGAJOULES 1893 - 66415					
																														1	DERRICK	2				YES	NO
																														SCREENS CHANGED							
EVE				3.50		2.50	5.00	0.50														0.25	0.25					12.00	210	TOP	175	TOP					
DAY						1.50	9.75	0.25		0.50																		12.00	210	MIDDLE	175	MIDDLE					
TOTAL				3.50		4.00	14.75	0.75		0.50												0.25	0.25					24.00	210	BOTTOM	175	BOTTOM					

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

6RR

BIT SUB

165

1.18

SIZE

222.0

3PT REAMER

172

1.64

IADC CODE

5

2

7

D.C.

171

18.71

MANUFACTURER

REED

JAR 108.5

171

5.03

TYPE

TD52A

S.D.C.

171

5.07

SERIAL NO.

L11882

D.C.

171

56.44

JETS

19

19

X.O.

155

0.54

H.W.D.P.

114

112.16

DEPTH OUT

2992.00

DEPTH IN

2992.00

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

15 - 25 DOWN, 20 - 40 UP

TORQUE AT BOTTOM

5000

FILL ON BOTTOM (M)

0.00

WT. OF D.C.

12

WT. OF STRING

96

DRILLER SIGNATURE

Mark Mauthe

HRS RUN

12.00

BOILER

10.0

STACK TEMP

190

MAXIMUM EXPERIENCED HOOK LOAD

127

SAFETY TOPIC

MACP

7598

NO.

1

BIT

O.D.

0.25

MUD TYPE

WATER BASED

X

OIL BASED

FROM

TO

D-R-C

RPM

WOB

0

145

1.75

6

TRIPS, RIH, FILL PIPE @ 2560, 2670

145

445

3.00

3

REAM F/ 2670 - 2970

445

500

0.25

7

RIG SERVICE, FUNCTION ANNULAR 21 SEC. TO CLOSE

500

530

0.50

3

REAM F/ 2970 - 2992

530

800

2.50

5

COND MUD & CIRC

800

815

0.25

21

SAFETY MTG. RUNNING JIRO

815

830

0.25

22

DROP JIRO

830

1100

2.50

6

TRIPS POOH PUMP OUT

1100

1115

0.25

7

RIG SERVICE TOP DRIVE

1115

1200

0.75

6

TRIP OUT

1200

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES : FUNCTION TEST CROWN SAVER, INSPECT DEADLINE ANCHOR & CLAMP

BLEWDOWN BOILER 5 TIMES @ 7 SEC. EACH

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

3

DAY

19

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG MANAGER

Alvin Vogt

RIG NO.

40

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

1053

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mark Mauthe	12.00		MM
WELL SITE CO-ORDINATOR		Dennis Lauck	12.00		DL
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		Duford Kotchea	12.00		DK

RATE SCHEDULE

REGULAR

REPAIR

X

INVERT

CREW SAFETY DAYS

55

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

6RR

BIT SUB

165

1.18

SIZE

222.0

3PT REAMER

172

1.64

IADC CODE

5

2

7

D.C.

171

18.71

MANUFACTURER

REED

JAR 108.5

171

5.03

TYPE

TD52A

S.D.C.

171

5.07

SERIAL NO.

L11882

D.C.

171

56.44

JETS

19

19

X.O.

155

0.54

H.W.D.P.

114

112.16

DEPTH OUT

2992.00

DEPTH IN

2992.00

TOTAL M DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

15 - 25 DOWN 15 - 35 UP

TORQUE AT BOTTOM

4000

FILL ON BOTTOM (M)

0.00

WT. OF D.C.

12

WT. OF STRING

96

DRILLER SIGNATURE

Brent Williams

HRS RUN

12.00

BOILER

10.0

STACK TEMP

190

MAXIMUM EXPERIENCED HOOK LOAD

130

SAFETY TOPIC

MACP

7519

NO.

1

BIT

O.D.

0.25

MUD TYPE

WATER BASED

X

OIL BASED

FROM

TO

D-R-C

RPM

WOB

1200

1645

4.75

6

TRIPS POOH FLOW CHECK @1839-189-BANK-PULL JIRO

1645

1700

0.25

7

RIG SERVICE FUNC UPPER-LOWER RAMS 5 SEC/SHEAR RAMS 6 SEC

1700

1830

1.50

6

TRIPS GUAGE BIT/ REAMER/ADD #2 REAMER RIH

1830

1900

0.50

9

CUT OFF DRLL LINE 23m

1900

2230

3.50

6

TRIPS, FILL PIPE & FLOW CHECK @ 800, 1830, 2970

2230

2400

1.50

5

COND MUD & CIRC

2400

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES : INSP DEADLINE CLAMP,BRAKE LINKAGE,CHECK FOR OIL,INVERT,DEISEL LEAKS

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Brent Williams	12.00		BW
DERRICK HAND		Clarke Starre	12.00		CS
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
LEASE HAND		Walter Carlick	12.00		WC

RATE SCHEDULE

REGULAR

REPAIR

X

INVERT

CREW SAFETY DAYS

54



WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	18
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1052		

[illegible][illegible]

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	3	16
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	1050		

[illegible][illegible]

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	3	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	1049		

[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	3	14
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	1048		

[illegible][illegible]



DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	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	1047		

[illegible][illegible]

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	3	12
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	1046		

[illegible][illegible]



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	3	11
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		1045		

[illegible][illegible]

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	3	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	1044		

[illegible]

DAY TOUR		FROM 1200	TO 2400	INJURIES	
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mark Mauthe	8.00		MM
WELL SITE CO-ORDINATOR		Dennis Lauck	12.00		DL
DERRICK HAND		Mike Wiebe	8.00		MDW
MOTOR HAND		Andre Habel	8.00		AH
FLOOR HAND		Steve Pringle	8.00		SP
FLOOR HAND		Peter McLean	8.00		PM
DRILLER		Alvin Vogt	8.00		AV
DERRICK HAND		Clarke Starre	8.00		CS
MOTOR HAND		Dan MacNeil	8.00		DM
FLOOR HAND		Nathan Surinak	8.00		NS
FLOOR HAND		David Taylor	8.00		DT
LEASE HAND		Jeff Saulteaux	8.00		JS
RATE SCHEDULE		REGULAR	REPAIR	X	INVERT
CREW SAFETY DAYS					
45					

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	3	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	1043		

[illegible][illegible]

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	3	8
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	1042		

[illegible][illegible]

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	3	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	1041		

[illegible][illegible]

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	3	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	1040		

[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 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 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/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

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	WEAR BUSHING									
EVE						2.25	0.25								8.00					1.00		0.50					12.00				
DAY		5.25			1.50	5.00	0.25																				12.00				
TOTAL		5.25			1.50	7.25	0.50								8.00					1.00		0.50					24.00				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD			EVENING TOUR			MUD RECORD			METRES DRILLED					TIME LOG															
1	BIT	O.D.	0.25	BIT NO.	7		MUD TYPE	☐ WATER BASED	☒ OIL BASED	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS														
1	MOTOR	170	7.69	SIZE	222.2		TIME								2737.00					0	430	4.50	15	TEST ALL MANIFOLD VALVES/CHOKE LINES 1400-32000									
1	FLOAT SUB	170	0.89	IADC CODE			DENSITY (KG/M3)													430	800	3.50	15	MAKE UP PACKER & BHA RIH 27 STDS TEST CASING 15000 KPA									
1	UBHO	168	0.65	MANUFACTURER	UNITED DIAMOND		FUNNEL VISCOSITY													800	1015	2.25	6	TRIPS, FLOW CHECK @ 800, 657, 224, OUT OF HOLE									
2	FLEX MONEL	169	18.62	TYPE	UD515		FLUID LOSS (cm3)													1015	1030	0.25	7	RIG SERVICE, FUNCTION SHEAR RAMS 5 SEC. TO CLOSE									
2	D.C.	171	18.71	SERIAL NO.	00371		pH													1030	1100	0.50	22	INSTALL WEAR BUSHING									
1	JAR	171	4.87																	1100	1200	1.00	20	DIR. WORK, TEST MWD									
1	S.D.C.	171	5.07	JETS	14.3	X														1200													
6	D.C.	171	56.44		5		MUD MATERIALS ADDED			SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2																
1	X.O.	155	0.54	DEPTH OUT			PRODUCT	AMOUNT	UNIT					LINER SIZE	SPM	LINER SIZE	SPM																
12	H.W.D.P.	155	112.16	DEPTH IN	2737.00					DESILTER				127.0		127.0																	
				TOTAL M DRILLED	0.00					REDUCED PUMP SPEED					@		@																
				TOTAL HRS RUN						DEVIATION SURVEYS																							
				CUTTING STRUCTURE						CENTRIFUGE				DEPTH (M)	DEVIATION	DIRECTION																	
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN MHR	HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY																	
				HOLE CONDITION										HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY																
87	DRILL PIPE	STANDS	2514.03	HOLE DRAG														NOTES : INSP DEADLINE CLAMP.BRAKE LINKAGE,FLARE & DEGASSER LINES															
	DRILL PIPE	SINGLES		TORQUE AT BOTTOM														CHECK FOR OIL,INVERT,DEISEL LEAKS															
	KELLY DOWN	-2.92		FILL ON BOTTOM (M)														HOLE FILL DIFF. +.14m3															
	TOTAL	2737.00																															
	WT. OF D.C.	12												DRILLER SIGNATURE			HRS RUN	BOILER pH	STACK TEMP	MAXIMUM EXPERIENCED HOOK LOAD	SAFETY TOPIC			MACP									
	WT. OF STRING	89												Brent Williams			12.00	10.0	100					8071									

NO.		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD		DAY TOUR		MUD RECORD			METRES DRILLED					TIME LOG																	
		BIT	O.D.		BIT NO.	7	MUD TYPE		☐ WATER BASED ☒ OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS														
1			0.16				TIME									1200	1215	0.25	7	RIG SERVICE FUNC UPPER RAMS 5 SEC														
1	MOTOR	170	7.69		SIZE	222.2	DENSITY (KG/M3)			1000	2737.00	2762.00	D	30	2	1215	1715	5.00	6	TRIPS, RIH, FLOW CHECK & FILL PIPE @ 250, 1204, 2377, 2710														
1	FLOAT SUB	170	0.89		IADC CODE		FUNNEL VISCOSITY			1330						1715	1845	1.50	5	CIRCULATE UP TRIP GAS														
1	UBHO	168	0.65		MANUFACTURER	UNITED DIAMOND	FLUID LOSS (cm3)			98						1845	2400	5.25	2	DRILL F/ 2737 -2762														
2	FLEX MONEL	169	18.62		TYPE	UD515	pH									2400																		
2	D.C.	171	18.71		SERIAL NO.	00371	PVT			69.80																								
1	JAR	171	4.87		JETS	14.3	X																											
1	S.D.C.	171	5.07			5	MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE MPa		PUMP NO.1		PUMP NO.2																	
6	D.C.	171	56.44		DEPTH OUT	2762.00	PRODUCT			AMOUNT	UNIT				LINE SIZE	SPM	LINE SIZE	SPM																
1	X.O.	155	0.54		DEPTH IN	2737.00	BARITE			30	SX				5650	@	47	@	47															
12	H.W.D.P.	155	112.16		TOTAL M DRILLED	25.00						REDUCED PUMP SPEED																						
					TOTAL HRS RUN	5.25						DEVIATION SURVEYS																						
					CUTTING STRUCTURE											CENTRIFUGE			DEPTH (M)		DEVIATION		DIRECTION											
					TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN MHR	HOURS RUN	INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	2732.28	10.30	124.5														
																		2746.22	9.78	127.0														
					HOLE CONDITION																													
88	DRILL PIPE	STANDS	2542.97		HOLE DRAG											10-14																		
	DRILL PIPE	SINGLES			TORQUE AT BOTTOM											9700																		
	KELLY DOWN		-6.77		FILL ON BOTTOM (M)											0.00																		
	TOTAL		2762.00																															
	WT. OF D.C.		12																															
	WT. OF STRING		89																															
															DRILLER SIGNATURE					HRS RUN	BOILER PH	STACK TEMP	MAXIMUM EXPERIENCED HOOK LOAD			SAFETY TOPIC			MACP					
															Mark Mauthe					24.00	10.0	175	117						8071					

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 3 DAY 5 OPERATOR ANADARKO CANADA CORP. CONTRACTOR AKITA DRILLING LTD. RIG NO. 40 RIG MANAGER PAT DURAND RIG SAFETY DAYS 1039 PROVINCE N.W.T. CAMP X YES NO INJURIES EVENING TOUR FROM 0 TO 1200 CREW SOC INS. NO. NAME HRS YES NO DRILLER Brent Williams 12.00 BW DERRICK HAND Terry Sanderson 12.00 TS 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 REGULAR REPAIR X INVERT CREW SAFETY DAYS 41 DAY TOUR FROM 1200 TO 2400 CREW SOC INS. NO. NAME HRS YES NO DRILLER Mark Mauthe 12.00 MM ASSIST DRILLER Justin Kelly 12.00 JK DERRICK HAND Mike Wiebe 12.00 MDW MOTOR HAND Andre Habel 12.00 AH FLOOR HAND Steve Pringle 12.00 SP FLOOR HAND Peter McLean 12.00 PM LEASE HAND Duford Kotchea 12.00 DK RATE SCHEDULE REGULAR REPAIR X INVERT CREW SAFETY DAYS 40



DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	4
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	1038		

EVENING TOUR		FROM	0	TO	1200	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		Brent Williams		12.00			BW
DERRICK HAND		Terry Sanderson		12.00			TS
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

[illegible]

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	3	3
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE		RIG SAFETY DAYS		
N.W.T.		CAMP	1037	
		☒ YES	☐ NO	

[illegible]

DAY TOUR		FROM 1200		TO 2400		INJURIES	
CREW	SOC INS. NO.	NAME	HRS		YES	NO	
DRILLER		Brent Williams	8.00			BW	
DERRICK HAND		Terry Sanderson	8.00			TS	
MOTOR HAND		Darrell Porter	8.00			DP	
FLOOR HAND		Wade Sledz	8.00			WS	
FLOOR HAND		Tom Morris	8.00			TM	
LEASE HAND		Bill Hetherington	8.00			B H	
DRILLER		Mark Mauthe	8.00			MM	
ASSIST DRILLER		Justin Kelly	8.00			JK	
DERRICK HAND		Mike Wiebe	8.00			MDW	
MOTOR HAND		Andre Habel	8.00			AH	
FLOOR HAND		Steve Pringle	8.00			SP	
FLOOR HAND		Peter McLean	8.00			PM	
RATE SCHEDULE		REGULAR		REPAIR	X	INVERT	
CREW SAFETY DAYS							
38							

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	3	2
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1036		

[illegible][illegible]



WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	3	1
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1035		

	CREW SAFETY DAYS	
	37	

	CREW SAFETY DAYS	
	36	



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	2	28
OPERATOR			CONTRACTOR			
ANADARKO CANADA CORP.			AKITA DRILLING LTD.			
RIG MANAGER				RIG NO.		
Alvin Vogt				40		
PROVINCE				RIG SAFETY DAYS		
N.W.T.				1034		
CAMP						
☒ YES ☐ NO						

[illegible][illegible]



DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	2	27
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1033		

[illegible][illegible]

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	2	26
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1032		

[illegible][illegible]

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	2	25
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
Alvin Vogt		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	1031		

[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	2	24
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	1030		

[illegible]

DAY TOUR		FROM	1200	TO	2400	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		Alvin Vogt		8.00			AV
ASSIST DRILLER		Kevin Donohoe		8.00			KD
DERRICK HAND		Clarke Starre		8.00			CS
MOTOR HAND		Dan MacNeil		8.00			DM
FLOOR HAND		David Taylor		8.00			DT
LEASE HAND		Duford Kotchea		8.00			DK
DRILLER		Brent Williams		8.00			BW
DERRICK HAND		Terry Sanderson		8.00			TS
MOTOR HAND		Darrell Porter		8.00			DP
FLOOR HAND		Wade Sledz		8.00			WS
FLOOR HAND		Tom Morris		8.00			TM
LEASE HAND		Bill Hetherington		8.00			BH
RATE SCHEDULE			REGULAR		REPAIR	X	INVERT
CREW SAFETY DAYS							
31							

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	2	23
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			1029

EVENING TOUR		FROM	0	TO	1200	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		Mark Mauthe		12.00			MM
ASSIST DRILLER		Dennis Lauck		12.00			DL
DERRICK HAND		Mike Wiebe		12.00			MDW
MOTOR HAND		Andre Habel		12.00			AH
FLOOR HAND		Steve Pringle		12.00			SP
FLOOR HAND		David Bragg		12.00			DB
LEASE HAND		Peter McLean		12.00			PM

[illegible]

PASON DATAHUB
Akita 40
Job 1
AFE 1
V 0111293422

WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	2	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.					1028	

[illegible][illegible]



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD 2-16				2003	2	21
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		1027	

[illegible][illegible]

Akita 40
Job 1
AFE 1
V 0111293422



WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	2	20
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.					1026	

[illegible][illegible]



DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	2	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	1025		

[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

Boyd Robinson

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 & 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

2

DAY

18

RIG NO.

40

FUEL @ 08:00 HRS

156

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)

339.7

MIN I.D. (mm)

330.0

MASS kg/m

81.10

MAKE

TASMA

GRADE

K55

NO. of JOINTS

14

TOTAL LENGTH

192.70

KB TO CSG HEAD

6.30

SET AT (m)

199.00

DC / DP SIZE

171

MASS

156.10

GRADE

D.C.

MINIMUM I.D.

70

T. JNT. O.D.

171

TYPE THREAD

5H90

NO. of JOINTS

23

PUMP TYPE

PZ-9

PUMP MANUFACTURER

GARDNER DENVER

STROKE LENGTH

229

114

62.40

HWDP

70

114

4.5-XH

12

PZ-9

GARDNER DENVER

229

114

29.70

E

70

114

4.5-XH

219

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
DATE : MM-DD-YY		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILGLINE	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	R/U LAYDOWN	WARCO	WEAR BUSHING					NO. 1	TYPE DERRICK	TYPE	MJ 8322 - 8322			
																														SCREENS CHANGED	YES	NO	ACCUM 33			
	EVE			2.25				6.50	0.25														0.50	0.50	1.25	0.75				12.00	110 TOP	110 TOP				
DAY							2.00	0.25														0.25		0.25	9.25			12.00	110 MIDDLE	110 MIDDLE						
TOTAL			2.25				8.50	0.50														0.25	0.50	0.75	10.50	0.75		24.00	110 BOTTOM	110 BOTTOM						

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

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NO.

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SIZE

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2

1

7

MANUFACTURER

J&L

TYPE

G4XP

SERIAL NO.

M13245

JETS

14.3

11.9

9.5

DEPTH OUT

820.00

DEPTH IN

805.00

TOTAL M DRILLED

15.00

TOTAL HRS RUN

3.25

CUTTING STRUCTURE

TI

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

4.60

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (M)

WT. OF D.C.

17

WT. OF STRING

48

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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	2	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	1023		

EVENING TOUR		FROM	0	TO	1200	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		Brent Williams		8.00			BW
ASSIST DRILLER		Mark Mauthe		8.00			MM
DERRICK HAND		Terry Sanderson		8.00			TS
MOTOR HAND		Darrell Porter		8.00			DP
FLOOR HAND		Wade Sledz		8.00			WS
FLOOR HAND		Tom Morris		8.00			TM
LEASE HAND		Duford Kotchea		8.00			DK
RATE SCHEDULE		REGULAR		REPAIR	X	INVERT	
		CREW SAFETY DAYS					
		25					

DAY TOUR		FROM	1200	TO	2400	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		Alvin Vogt		12.00			AV
ASSIST DRILLER		Dennis Lauck		12.00			DL
DERRICK HAND		Mike Wiebe		8.00			MDW
MOTOR HAND		Andre Habel		8.00			AH
FLOOR HAND		Steve Pringle		8.00			SP
FLOOR HAND		David Bragg		8.00			DB
LEASE HAND		Peter McLean		8.00			PM
DRILLER		Mark Mauthe		4.00			MM
ASSIST DRILLER		Kevin Donohoe		8.00			KD
DERRICK HAND		Clarke Starre		8.00			CS
MOTOR HAND		Dan MacNeil		8.00			DM
FLOOR HAND		Nathan Surinak		8.00			NS
FLOOR HAND		David Taylor		8.00			DT
RATE SCHEDULE			REGULAR		REPAIR	X	INVERT
		CREW SAFETY DAYS					
		24					

PASON DATAHUB
Akita 40
Job 1
AFE 1
V 0111293422

WELL NAME & NO.				YEAR	MONTH	DAY
ANADARKO LIARD P-16				2003	2	16
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		1022	

[illegible][illegible]

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	2	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	1021		

[illegible][illegible]

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	2	14
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	1020	

[illegible][illegible]

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	2	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	1019		

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DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	2	11
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	1017		

[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 Ed Robinson 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
EVE				11.00						0.25				0.75													12.00				
DAY				5.00						2.25	2.75	0.25			0.25								0.25	1.25			12.00				
TOTAL				16.00						2.25	2.75	0.50			1.00								0.25	1.25			24.00				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	EVENING TOUR	MUD RECORD	METRES DRILLED	TIME LOG
1	MOTOR	244	8.73	SIZE 311.0	MUD TYPE ☐ WATER BASED ☒ OIL BASED	FROM 264.00 TO 316.00 D-R-C D 45 WOB 10	FROM 0 TO 215 2.25 2 215 300 0.75 10 300 315 0.25 7 315 1200 8.75 2 1200
1	D.C.	220	9.39	IADC CODE	DENSITY (KG/M3) 930		
1	STAB	230	1.72	MANUFACTURER HC	FUNNEL VISCOSITY 48		
3	D.C.	220	27.83	TYPE HT03CXP	FLUID LOSS (cm3) 46		
1	X.O.	170	1.01	SERIAL NO. M158168	pH		
3	D.C.	170	28.05	JETS 18 18	PVT 67.30 64.90 75.90		
1	JAR	170	4.87	DEPTH OUT			
1	D.C.	170	5.07	DEPTH IN 201.00			
9	D.C.	170	83.70	TOTAL M DRILLED 115.00			
1	X.O.	170	0.54	TOTAL HRS RUN 31.50			
12	H.W.D.P.	155	112.16	CUTTING STRUCTURE			
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN M/HR			
	DRILL PIPE STANDS			HOLE CONDITION			
6	DRILL PIPE SINGLES	57.62		HOLE DRAG 2			
	KELLY DOWN	-24.99		TORQUE AT BOTTOM 1230			
	TOTAL	316.00		FILL ON BOTTOM (M)			
	WT. OF D.C.	26					
	WT. OF STRING	45					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	DAY TOUR	MUD RECORD	METRES DRILLED	TIME LOG
1	MOTOR	244	8.94	SIZE 311.0 311.2	MUD TYPE ☐ WATER BASED ☒ OIL BASED	FROM 316.00 TO 332.00 D-R-C D 80 WOB 8	FROM 1200 TO 1345 1.75 2 1345 1400 0.25 10 1400 1630 2.50 2 1630 1645 0.25 5 1645 1700 0.25 22 1700 1900 2.00 6 1900 1915 0.25 7 1915 2030 1.25 23 2030 2115 0.75 6 2115 2315 2.00 5 2315 2400 0.75 2 2400
4	D.C.	220	37.22	IADC CODE	DENSITY (KG/M3) 920		
1	X.O.	170	1.01	MANUFACTURER HC	FUNNEL VISCOSITY 44		
3	D.C.	170	28.05	TYPE HT03CXP HR-S44	FLUID LOSS (cm3) 18		
1	JAR	170	4.87	SERIAL NO. M158168 5004565	pH		
1	D.C.	170	5.07	JETS 18 18 14.3 14.3	PVT 75.10		
9	D.C.	170	83.70	DEPTH OUT			
1	X.O.	170	0.54	DEPTH IN 201.00 331.00			
12	H.W.D.P.	155	112.16	TOTAL M DRILLED 131.00 1.00			
				TOTAL HRS RUN 31.50 0.75			
				CUTTING STRUCTURE			
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN M/HR			
	DRILL PIPE STANDS			HOLE CONDITION			
6	DRILL PIPE SINGLES	57.62		HOLE DRAG			
	KELLY DOWN	-7.48		TORQUE AT BOTTOM 1700			
	TOTAL	332.00		FILL ON BOTTOM (M)			
	WT. OF D.C.	26					
	WT. OF STRING	45					

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	2	10
OPERATOR	CONTRACTOR		
ANADARKO CANADA CORP.	AKITA DRILLING LTD.		
RIG MANAGER	RIG NO.		
PAT DURAND	40		
PROVINCE	CAMP	YES	NO
N.W.T.		☒	☐
	RIG SAFETY DAYS	1016	

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Kevin Donohoe	8.00		KD
DERRICK HAND		Terry Sanderson	12.00		TS
MOTOR HAND		Dan MacNeil	8.00		DM
FLOOR HAND		Nathan Surinak	8.00		NS
FLOOR HAND		David Taylor	8.00		DT
LEASE HAND		Fabien Klondike	8.00		FK

RATE SCHEDULE	REGULAR	REPAIR	X	INVERT
CREW SAFETY DAYS				
18				

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mark Mauthe	8.00		MM
DERRICK HAND		Mike Wiebe	12.00		MDW
MOTOR HAND		Darrell Porter	8.00		DP
FLOOR HAND		Wade Sledz	8.00		WS
FLOOR HAND		Tom Morris	8.00		TM
LEASE HAND		Duford Kotchea	8.00		DK
DRILLER		Alvin Vogt	8.00		AV
MOTOR HAND		Andre Habel	8.00		AH
FLOOR HAND		Steve Pringle	8.00		SP
FLOOR HAND		David Bragg	8.00		DB
LEASE HAND		Fabien Klondike	8.00		FK

RATE SCHEDULE	REGULAR	REPAIR	X	INVERT
CREW SAFETY DAYS				
17				

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	2	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	1015		

EVENING TOUR		FROM	0	To	1200	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		Kevin Donohoe		12.00			KD
ASSIST DRILLER		Dennis Lauck		12.00			DL
DERRICK HAND		Terry Sanderson		12.00			TS
MOTOR HAND		Dan MacNeil		12.00			DM
FLOOR HAND		Nathan Surinak		12.00			NS
FLOOR HAND		David Taylor		12.00			DT
LEASE HAND		Fabien Klondike		12.00			FK
</							

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PASON DATAHUB
Akila 40
Job 1
AFE 1
V 0111293422

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.	YEAR	MONTH	DAY
ANADARKO LIARD P-16	2003	2	8
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	1014	

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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	2	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			1013

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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	2	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		1012		

[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 Ed Robinson 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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	FIX TDRIVE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	EVENING TOUR	MUD RECORD	METRES DRILLED	TIME LOG										
1	BIT	O.D.	0.43	BIT NO.	5A	MUD TYPE	☒ WATER BASED ☐ OIL BASED	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1	X.O.	178	0.54	SIZE	444.5	TIME		199.00	201.00	D	30	6	0	115	1.25	2	DRILL F/ 199 - 201
4	D.C.	222	37.22	IADC CODE		DENSITY (KG/M3)							115	130	0.25	5	COND MUD & CIRC
1	X.O.	176	1.23	MANUFACTURER		FUNNEL VISCOSITY							130	315	1.75	6	WIPER TRIP STRAP OUT-STRAP 200.98 TALLY 201 DIF. .02 HOLE FILL
12	D.C.	156	111.60	TYPE	MS51	FLUID LOSS (cm3)							315	500	1.75	6	LAY DOWN MUD MOTOR & MOVE SABLE DOWN & TRIP IN TO 97.M
1	X.O.	160	0.54	SERIAL NO.	TJ2074	pH							500	600	1.00	3	REAMING F/ 95M TO 102M
6	H.W.D.P.	152	55.95	JETS	15.9 15.9								600	615	0.25	7	RIG SERVICE BLOW BACK STAND PIPE
					15.9 15.9								615	930	3.25	6	TRIPS REMOVE STAB
				DEPTH OUT	201.00	MUD MATERIALS ADDED							930	1030	1.00	5	COND MUD & CIRC
				DEPTH IN	146.00	PRODUCT	AMOUNT	UNIT					1030	1045	0.25	10	DEV. SURVEY
				TOTAL M DRILLED	55.00	SOLIDS CONTROL							1045	1200	1.25	6	TRIPS
				TOTAL HRS RUN	30.75	DESILTER							1200				
				CUTTING STRUCTURE		INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY									
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN MHR													
				HOLE CONDITION													
	DRILL PIPE STANDS			HOLE DRAG	0												
	DRILL PIPE SINGLES			TORQUE AT BOTTOM	1000												
	KELLY DOWN	-7.56		FILL ON BOTTOM (M)													
	TOTAL	199.95															
	WT. OF D.C.	22															
	WT. OF STRING	37															

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	DAY TOUR	MUD RECORD	METRES DRILLED	TIME LOG									
	BIT	O.D.		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		201.00					1200	1300	1.00	6	TRIPS	
				IADC CODE		DENSITY (KG/M3)					1300	1445	1.75	6	PICK UP DRILL PIPE & RACK IN DERRICK	
				MANUFACTURER		FUNNEL VISCOSITY					1445	1500	0.25	7	RIG SERVICE	
				TYPE		FLUID LOSS (cm3)					1500	1745	2.75	12	RIG UP TO RUN CASING	
				SERIAL NO.		pH					1745	1800	0.25	21	SAFETY MTG.	
				JETS							1800	1900	1.00	12	RUN CASING	
				DEPTH OUT		MUD MATERIALS ADDED					1900	1915	0.25	21	SAFETY MTG.	
				DEPTH IN		PRODUCT	AMOUNT	UNIT			1915	2015	1.00	22	WORK ON TOPDRIVE	
				TOTAL M DRILLED		SOLIDS CONTROL					2015	2400	3.75	12	RUN CASE & CEMENT	
				TOTAL HRS RUN		DESILTER										
				CUTTING STRUCTURE		INTAKE DENSITY (KG/M3)	OVER FLOW DENSITY	UNDER FLOW DENSITY								
				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 CAODC

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.	YEAR	MONTH	DAY
ANADARKO LIARD P-16	2003	2	5
OPERATOR	CONTRACTOR		
ANADARKO CANADA CORP.	AKITA DRILLING LTD.		
RIG MANAGER	RIG NO.		
PAT DURAND	40		
PROVINCE	RIG SAFETY DAYS		
N.W.T.	1011		

EVENING TOUR					
FROM	TO	INJURIES			
0	1200				
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Alvin Vogt	8.00		AV
ASSIST DRILLER		Dennis Lauck	12.00		DL
DERRICK HAND		Terry Sanderson	12.00		TS
MOTOR HAND		Dan MacNeil	12.00		DM
FLOOR HAND		Nathan Surinak	12.00		NS
FLOOR HAND		David Taylor	12.00		DT
LEASE HAND		Fabien Klondike	12.00		FK
ASSIST DRILLER		Kevin Donohoe	4.00		KD

RATE SCHEDULE	☒ REGULAR	☐ REPAIR	☐ INVERT
CREW SAFETY DAYS			
13			

DAY TOUR					
FROM	TO	INJURIES			
1200	2400				
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mark Mauthe	12.00		MM
DERRICK HAND		Mike Wiebe	12.00		MDW
MOTOR HAND		Darrell Porter	12.00		DP
FLOOR HAND		Tom Morris	12.00		TM
LEASE HAND		Duford Kotchea	12.00		DK
DRILLER		Kevin Donohoe	4.00		KD

RATE SCHEDULE	☒ REGULAR	☐ REPAIR	☐ INVERT
CREW SAFETY DAYS			
12			

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	2	4
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	1010		

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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	2	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		1009		

[illegible]

DAY TOUR		FROM	1200	TO	2400	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		Mark Mauthe		12.00			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 Taylor		8.00			DT
LEASE HAND		Duford Kotchea		12.00			DK
DERRICK HAND		Mike Wiebe		8.00			MDW
MOTOR HAND		Darrell Porter		8.00			DP
FLOOR HAND		Tom Morris		8.00			TM
LEASE HAND		Fabien Klondike		8.00			FK
RATE SCHEDULE		X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS							
10							

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	2	2
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	1008		

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DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	2	1
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		1007

[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	1	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	1006		

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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	1	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	1005		

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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	1	29
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	6		

[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

Ed Robinson

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 & 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

OPR

R.M.

YEAR

2003

MONTH

1

DAY

28

RIG NO.

40

FUEL @ 08:00 HRS

60

BOILER

TEMPERATURE

-25

CURRENT CONDITIONS

CLEAR

WIND DIRECTION

CALM

ROAD CONDITION

ROUGH

DC / DP SIZE

171

MASS

156.10

GRADE

D.C.

70

T. JNT. O.D.

171

TYPE THREAD

5H90

NO. of JOINTS

23

PUMP TYPE

PZ-9

PUMP MANUFACTURER

GARDNER DENVER

STROKE LENGTH

229

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



DATE : 02-11-2024	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 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	MOUSE HOLE	RIG UP TOP	DRILL UP D.C'S																																		
	EVE																									12.00					12.00																												
	DAY								0.25													0.25	8.50	1.00	2.00					12.00																													
TOTAL								0.25													0.25	8.50	13.00	2.00					24.00																														
																														SCREENS CHANGED		YES		NO																									
																														TOP																													
																														MIDDLE																													
																														BOTTOM																													

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

1A

EVENING TOUR

MUD TYPE

☒ WATER BASED

☐ OIL BASED

MUD RECORD

TIME

700

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SIZE

660.0

DENSITY (KG/M3)

1000

FUNNEL VISCOSITY

83

84

85

FLUID LOSS (cm3)

9.5

9.5

9.5

pH

31.80

29.00

21.70

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DESILTER

1600

152.0

75

152.0

75

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

DRILLER SIGNATURE

Alvin Vogt

HRS RUN

24.00

BOILER PH

11.0

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DEPTH OUT

0.00

TOTAL M DRILLED

20.00

TOTAL HRS RUN

5.75

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)

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

1A

DAY TOUR

MUD TYPE

☒ WATER BASED

☐ OIL BASED

MUD RECORD

TIME

1000

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SIZE

660.0

DENSITY (KG/M3)

1000

FUNNEL VISCOSITY

83

84

85

FLUID LOSS (cm3)

9.5

9.5

9.5

pH

31.80

29.00

21.70

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

DESILTER

1600

152.0

75

152.0

75

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

DRILLER SIGNATURE

Mark Mauthe

HRS RUN

24.00

BOILER PH

10.5

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DEPTH OUT

0.00

TOTAL M DRILLED

20.00

TOTAL HRS RUN

5.75

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)

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

1

DAY

28

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG NO.

40

RIG SAFETY DAYS

5

PROVINCE

N.W.T.

CAMP

☒ YES

☐ NO

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Alvin Vogt	12.00		AV
ASSIST DRILLER		Dennis Lauck	12.00		DL
DERRICK HAND		Mike Wiebe	12.00		MDW
MOTOR HAND		Andre Habel	12.00		AH
FLOOR HAND		Steve Pringle	12.00		SP
FLOOR HAND		David Bragg	12.00		DB

RATE SCHEDULE

☒ REGULAR

☐ REPAIR

☐ INVERT

CREW SAFETY DAYS

5

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mark Mauthe	12.00		MM
DERRICK HAND		Terry Sanderson	12.00		TS
MOTOR HAND		Dan MacNeil	12.00		DM
FLOOR HAND		David Taylor	12.00		DT
FLOOR HAND		Nathan Surinak	12.00		NS

RATE SCHEDULE

☒ REGULAR

☐ REPAIR

☐ INVERT

CREW SAFETY DAYS

4

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

UNIQUE ID

300P166030123300

SIGNATURE OF OPERATOR'S REPRESENTATIVE

Ed Robinson

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

(2.) CADC 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

1

DAY

27

RIG NO.

40

FUEL @ 08:00 HRS

86

TEMPERATURE

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)

DC / DP SIZE

MASS

GRADE

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. of JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

PASON DATAHUB
Akita 40
Job 1
AFE 1
V 0111293422



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 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														
EVE		12.00																										12.00								
DAY		12.00																										12.00								
TOTAL		24.00																										24.00								

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

ANADARKO LIARD P-16

YEAR

2003

MONTH

1

DAY

27

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

4

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

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

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

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

DRILLER SIGNATURE

Mark Mauthe

HRS RUN

12.00

BOILER PH

11.5

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0 500 5.00 1 RIG UP TOP DRIVE

500 1200 7.00 1 RIG UP FLOOR & STEAM

NOTES :

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Mark Mauthe	16.00		MM
DERRICK HAND		Terry Sanderson	16.00		TS
MOTOR HAND		Dan MacNeil	16.00		DM
FLOOR HAND		David Taylor	16.00		DT
FLOOR HAND		Nathan Surinak	16.00		NS
FLOOR HAND		David Bragg	12.00		DB

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

4

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

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (M)

TORQUE AT BOTTOM

HOLE DRAG

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

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

DRILLER SIGNATURE

Alvin Vogt

HRS RUN

24.00

BOILER PH

10.0

STACK TEMP

180

MAXIMUM EXPERIENCED HOOK LOAD

SAFETY TOPIC

MACP

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200 1800 6.00 1 RIG UP MUD LINES, MUD TANKS & STEAM

1800 2400 6.00 1 RIG UP TORQUE TUB & TOP DRIVE

NOTES : FIRE DRILL IN CAMP RESPONSE TIME TWO MINUTES

FUNCTION TEST POP VALVE #1 & #2, SET @ 19600kpa

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Alvin Vogt	8.00		AV
ASSIST DRILLER		Dennis Lauck	12.00		DL
DERRICK HAND		Mike Wiebe	8.00		MDW
MOTOR HAND		Andre Habel	8.00		AH
FLOOR HAND		Steve Pringle	8.00		SP

RATE SCHEDULE

☒ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

3

PASON DATAHUB
 Akita 40
 Job 1
 AFE 1
 V 0111293422



The logo for CACDC (California Air Resources Board) is located in the top right corner. It features the acronym "CACDC" in a bold, sans-serif font, with a stylized graphic of a person standing on a globe or base, holding a torch or staff, positioned between the "C" and "D". The entire logo is enclosed within a thick, black, irregular border.

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	1	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	3		

[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

UNIQUE ID

300P166030123300

SIGNATURE OF OPERATOR'S REPRESENTATIVE

Ed Robinson

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 Ddls 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

1

DAY

24

RIG NO.

40

FUEL @ 08:00 HRS

TEMPERATURE

-34

CURRENT CONDITIONS

CLEAR

WIND DIRECTION

CALM

ROAD CONDITION

SLIPPERY

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

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 INTER		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	TYPE				
																														SCREENS CHANGED		YES		NO			
																															TOP		TOP				
EVE																																					
DAY	10.00																					5.00						15.00		MIDDLE		MIDDLE					
TOTAL	10.00																					5.00					15.00		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)

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

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINEAR SIZE

SPM

PUMP NO. 2

LINEAR SIZE

SPM

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

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

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

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

TIME

DENSITY (KG/M3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINEAR SIZE

SPM

PUMP NO. 2

LINEAR SIZE

SPM

DESILTER

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

CENTRIFUGE

DEPTH (M)

DEVIATION

DIRECTION

HOURS RUN

INTAKE DENSITY (KG/M3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

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

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

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

1

DAY

24

OPERATOR

ANADARKO CANADA CORP.

CONTRACTOR

AKITA DRILLING LTD.

RIG NO.

40

RIG SAFETY DAYS

1

PROVINCE

N.W.T.

CAMP

☒ YES

☐ NO

EVENING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

☒ REGULAR

☐ REPAIR

☐ INVERT

CREW SAFETY DAYS

1

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

☒ REGULAR

☐ REPAIR

☐ INVERT

CREW SAFETY DAYS

1

DRILLER		Alvin Vogt	14.00		AV
DERRICK HAND		Mike Wiebe	14.00		MDW
MOTOR HAND		Andre Habel	14.00		AH
FLOOR HAND		Steve Pringle	14.00		SP
DRILLER		Brent Williams	8.00		BW
DERRICK HAND		Terry Sanderson	8.00		TS
MOTOR HAND		Dan MacNeil	8.00		DM
FLOOR HAND		David Taylor	8.00		DT
FLOOR HAND		David Bragg	8.00		DB

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	1	23
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	15		

[illegible][illegible]

h)	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	1	22
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
ALBERTA	☒ YES ☐ NO	14		

[illegible][illegible]



DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	1	21
OPERATOR		CONTRACTOR		
ANADARKO CANADA CORP.		AKITA DRILLING LTD.		
RIG MANAGER		RIG NO.		
PAT DURAND		40		
PROVINCE	CAMP	RIG SAFETY DAYS		
ALBERTA	☒ YES ☐ NO	13		

[illegible][illegible]

(m)	PASON DATAHUB	
	Akita 40	
	Job 1	
	AFE 1	
	V 0111293422	
KE		
TH		

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
ANADARKO LIARD P-16		2003	1	20
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		12

[illegible][illegible]