

LICENCE NO.
2001

WELL NAME & NO.
PARA ET AL CAMERON C-16

OPERATOR
PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME
PRECISION DRILLING, div OF PLP

SURFACE LOC
60:06:00.14 N 117:32:58.37 W

UNIQUE ID
3000166010117300

SIGNATURE OF OPERATOR'S REPRESENTATIVE
MERIL SCHRADER

SIGNATURE OF CONTRACTOR'S RIG MANAGER
CARL PASHKO

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 Safel Inspection Checklist (one/rig/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kills Checked

OPERATOR
RIG NO. 247
FUEL @ 08:00 HRS
RIG BOILER
TEMPERATURE -25
CURRENT CONDITIONS CLEAR
WIND DIRECTION NORTH
ROAD CONDITION SNOW
DO DP
DC / 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/m3)
MAKE
GRADE
NO. OF JOINTS
TOTAL LENGTH
KB TO CSG HEAD
SET AT (m)

LAST CASING TUBING OR LINER
SCREENS CHANGED
NEW USED
TOP
MIDDLE
BOTTOM
SHALE SHAKER(S)
RENTALS / SERVICES
MORN
DAY
EVE

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
RIG DIVERTER

TOTALS
NO. 1
TYPE SWACO
TYPE
CREW VEHICLE
8
8



PASON DATAHUB

SPUD DATE
2004/03/07

TIME
06:30

RIG RELEASE
2004/03/16

RE-ENTRY
16:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

OP FUEL

KELLY BSHG

161

CONTRACTOR'S JOB NUM

161

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO.
PARA ET AL CAMERON C-16

YEAR
2004

MONTH
3

DAY
6

OPERATOR
PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME
PRECISION DRILLING, div OF PLP

RIG MANAGER
CARL PASHKO

RIG NO.
247

PROVINCE
N.W.T.

CAMP
X YES
NO

RIG SAFETY DAYS
709

MORNING TOUR

FROM
0

TO
800

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

723

DAY TOUR

FROM
800

TO
1600

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

LES COWIE

12.00

LC

DERRICK HAND

DEAN JOBSON

12.00

DJ

MOTOR HAND

ELI STROUP

12.00

ES

FLOOR HAND

KARL SCHOENDORFER

12.00

KS

LEASE HAND

JERRY HASKELL

12.00

JH

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

804

EVENING TOUR

FROM
1600

TO
2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

JERRY INNES

4.00

JL

DERRICK HAND

DANNY ACKERMAN

4.00

DA

MOTOR HAND

DANIEL JUTRAS

4.00

DJ

FLOOR HAND

DOUG DOYLE

4.00

DD

LEASE HAND

TROY CHAPMAN

4.00

TC

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

724

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

O.D.

BIT NO.

SIZE

IADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN m/HR

D.P. STANDS

D.P. SINGLES

KELLY DOWN

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

0.00

HRS RUN

BOILER pH

0.0

BOILER pH

STACK TEMP

0

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINER SIZE

SPM

PUMP NO. 2

LINER SIZE

SPM

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEHL

MACP

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 (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN m/HR

D.P. STANDS

D.P. SINGLES

KELLY DOWN

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

0.00

HRS RUN

BOILER pH

0.0

BOILER pH

STACK TEMP

0

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINER SIZE

SPM

PUMP NO. 2

LINER SIZE

SPM

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEHL

MACP

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 (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN m/HR

D.P. STANDS

D.P. SINGLES

KELLY DOWN

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

7.00

HRS RUN

BOILER pH

10.0

BOILER pH

STACK TEMP

310

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINER SIZE

SPM

PUMP NO. 2

LINER SIZE

SPM

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NOTES

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEHL

MACP

[illegible]

LICENCE NO.

2001

WELL NAME & NO.

PARA ET AL CAMERON C-16

OPERATOR

PARAMOUNT RESOURCES LTD.

SURFACE LOCA'

60:06:00.14 N 117:32:58.37 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

MERIL SCHRADER

CONTRACTOR NAME

PRECISION DRILLING, div of PLP

UNIQUE ID

3000166010117300

SIGNATURE OF CONTRACTOR'S RIG MANAGER

CARL PASHKO

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 Kicks Checked

YEAR

2004

MONTH

3

DAY

8

RIG NO.

247

FUEL @ 08:00 HRS

1911

BOILER

1911

TEMPERATURE

23

CURRENT CONDITIONS

CLEAR

WIND DIRECTION

CALM

ROAD CONDITION

SNOW

O.D. (mm)

MIN I.D. (mm)

MASS (kg/m3)

MAKE

GRADE

NO. OF JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

DC / DP SIZE

114

MASS

24.70

GRADE

E

MINIMUM I.D.

80

T. JNT. O.D.

150

TYPE THREAD

4 1/2 XH

NO. OF JOINTS

180

PUMP TYPE

F - 800

PUMP MANUFACTURER

BACJI

STROKE LENGTH

229

DC / DP SIZE

114

MASS

62.45

GRADE

H.W.T.

MINIMUM I.D.

74

T. JNT. O.D.

150

TYPE THREAD

4 1/2 XH

NO. OF JOINTS

6

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

DC / DP SIZE

158

MASS

131.00

GRADE

D.C.

MINIMUM I.D.

64

T. JNT. O.D.

157

TYPE THREAD

4 1/2 XH

NO. OF JOINTS

16

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

PARA ET AL CAMERON C-16

YEAR

2004

MONTH

3

DAY

8

OPERATOR

PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME

PRECISION DRILLING, div of PLP

RIG NO.

247

RIG MANAGER

CARL PASHKO

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

711

MORNING TOUR

FROM 0

TO 800

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

JERRY INNES

8.00

JL

DERRICK HAND

DANNY ACKERMAN

8.00

DA

MOTOR HAND

DANIEL JUTRAS

8.00

DJ

FLOOR HAND

DOUG DOYLE

8.00

DD

LEASE HAND

TROY CHAPMAN

8.00

TC

RIG MANAGER

CARL PASHKO

1 DAY

CP

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

802

DRIVERS

DAY TOUR

FROM 800

TO 1600

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

LES COWIE

12.00

LC

DERRICK HAND

DEAN JOBSON

12.00

DJ

MOTOR HAND

ELI STROUP

12.00

ES

FLOOR HAND

KARL SCHOENDORFER

12.00

KS

LEASE HAND

JERRY HASKELL

12.00

JH

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

806

DRIVERS

EVENING TOUR

FROM 1600

TO 2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

JERRY INNES

4.00

JL

DERRICK HAND

DANNY ACKERMAN

4.00

DA

MOTOR HAND

DANIEL JUTRAS

4.00

DJ

FLOOR HAND

DOUG DOYLE

4.00

DD

LEASE HAND

TROY CHAPMAN

4.00

TC

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

803

DRIVERS

SPUD DATE	2004/03/07	TIME	06:30
RIG RELEASE	2004/03/16	TIME	16:00
WELL TYPE		RE-ENTRY	
OPERATOR'S AFE			
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	161		
TOUR SHEET SERIAL NUM			
VENDOR SOFTWARE VERSION			



DRILLING CREW PAYROLL DATA									
WELL NAME & NO		PARA ET AL CAMERON C-16		YEAR	2004	MONTH	3	DAY	10
OPERATOR				CONTRACTOR NAME					
PARAMOUNT RESOURCES LTD.				PRECISION DRILLING, div of PLP					
RIG MANAGER				RIG NO.					247
CARL PASHKO									
PROVINCE		N.W.T.		CAMP	☒	YES	☐	NO	RIG SAFETY DAYS
									713

MORNING TOUR		FROM	0	TO	800	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	NO
DRILLER		JERRY INNES		8.00			JL
DERRICK HAND		DANNY ACKERMAN		8.00			DA
MOTOR HAND		DANIEL JUTRAS		8.00			DJ
FLOOR HAND		DOUG DOYLE		8.00			DD
LEASE HAND		TR0Y CHAPMAN		8.00			TC
RIG MANAGER		CARL PASHKO			1 DAY		CP
RATE SCHEDULE	X	REGULAR		REPAIR		INVERT	
CREW SAFETY DAYS		DRIVERS					
804							

[illegible][illegible]

[illegible]

Form containing multiple sections: Licensee No. 2001, Well Name: PARA ET AL CAMERON C-16, Operator: PARAMOUNT RESOURCES LTD., Precision Drilling, div of PLP, Contractor Name: CARL PASHKO, Rig No. 247, Date: 2004/03/16, Time: 06:30. Includes detailed logs for Morning, Day, and Evening tours, including bit records, mud records, metres drilled, and time logs. Also includes a Drilling Crew Payroll Data section.

SPUD DATE	2004/03/07	TIME	06:30
RIG RELEASE	2004/03/16	TIME	16:00
WELL TYPE		RE-ENTRY	
OPERATOR'S AFE			
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	161		
TOUR SHEET SERIAL NUM			
VENDOR SOFTWARE VERSION			



PASON DATAHUB

[illegible][illegible][illegible]

SPUD DATE	2004/03/07	TIME	06:30
RIG RELEASE	2004/03/16	TIME	16:00
WELL TYPE		RE-ENTRY	
OPERATOR'S AFE			
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	161		
TOUR SHEET SERIAL NUM			
VENDOR SOFTWARE VERSION			



DRILLING CREW PAYROLL DATA									
WELL NAME & NO.				YEAR	MONTH	DAY			
PARA ET AL CAMERON C-16				2004	3	14			
OPERATOR			CONTRACTOR NAME						
PARAMOUNT RESOURCES LTD.			PRECISION DRILLING, div of PLP						
RIG MANAGER							RIG NO.		
CARL PASHKO							247		
PROVINCE			CAMP	☒ X	YES	☐	NO	RIG SAFETY DAYS	
N.W.T.								717	

MORNING TOUR		FROM	0	TO	800	INJURIES	
CREW	SOC INS. NO.	NAME			HRS	YES	NO
DRILLER		LES COWIE			8.00		LC
DERRICK HAND		DEAN JOBSON			8.00		DJ
MOTOR HAND		ELI STROUP			8.00		ES
FLOOR HAND		KARL SCHOENDORFER			8.00		KS
LEASE HAND		JERRY HASKELL			8.00		JH
RIG MANAGER		CARL PASHKO				1 DAY	CP
RATE SCHEDULE	X	REGULAR		REPAIR		INVERT	
CREW SAFETY DAYS			DRIVERS				
808							

[illegible]

EVENING TOUR		FROM	1600	TO	2400	INJURIES	
CREW	SOC INS. NO.	NAME			HRS	YES	NO
DRILLER		LES COWIE			4.00		LC
DERRICK HAND		DEAN JOBSON			4.00		DJ
MOTOR HAND		ELI STROUP			4.00		ES
FLOOR HAND		KARL SCHOENDORFER			4.00		KS
LEASE HAND		JERRY HASKELL			4.00		JH

SPUD DATE	2004/03/07	TIME	06:30
RIG RELEASE	2004/03/16	TIME	16:00
WELL TYPE		RE-ENTRY	
OPERATOR'S AFE			
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	161		
TOUR SHEET SERIAL NUM			
VENDOR SOFTWARE VERSION			



DRILLING CREW PAYROLL DATA									
WELL NAME & NO.				YEAR		MONTH		DAY	
PARA ET AL CAMERON C-16				2004		3		15	
OPERATOR				CONTRACTOR NAME					
PARAMOUNT RESOURCES LTD.				PRECISION DRILLING, div of PLP					
RIG MANAGER				RIG NO.					
CARL PASHKO				247					
PROVINCE				CAMP		YES		NO	
N W T				X				RIG SAFETY DAYS	

MORNING TOUR		FROM	0	TO	800			INJURIES
CREW	SOC INS. NO.	NAME			HRS		YES	NO
DRILLER		LES COWIE			8.00			LC
DERRICK HAND		DEAN JOBSON			8.00			DJ
MOTOR HAND		ELI STROUP			8.00			ES
FLOOR HAND		KARL SCHOENDORFER			8.00			KS
LEASE HAND		JERRY HASKELL			8.00			JH
RIG MANAGER		CARL PASHKO				1 DAY		CP
RATE SCHEDULE		X	REGULAR			REPAIR		INVERT
CREW SAFETY DAYS			DRIVERS					
809								

[illegible]

734											
EVENING TOUR				FROM	1600	TO	2400			INJURIES	
CREW		SOC INS. NO.		NAME				HRS		YES	NO
DRILLER				LES COWIE				4.00			LC
DERRICK HAND				DEAN JOBSON				4.00			DJ
MOTOR HAND				ELI STROUP				4.00			ES
FLOOR HAND				KARL SCHOENDORFER				4.00			KS
LEASE HAND				JERRY HASKELL				4.00			JH

