Shell Sainville River K-63

Drilling Authority No. 563

Date Issued 08-12-71

WELL NAME Shell Sainville River K-63

FIELD ..... Area: .....

LOCATION: Unit K Section 63 Grid 66-30-133-00

Latitude 66.22.36 Longitude 133.12.19

U.W.L.R. 66.37667 -- 133.20528 See Amendment

U.W.I. 300K636630133300

Rig Release Date: 23-01-72

Status D+A

Information Release Date 23-01-74

CHANGE OF NAME:

DATE RECEIVED	INDEX
15-12-71	Application for a Drilling Authority.
18-02-72 AK	Well Completion Data.
18-02-72 AK	Well History Report.
13-01-72	Application to Amend a Drilling Authority.
	Application to change a Well Name.
27-01-72 AK	Application to Abandon a Well ~~or Suspend~~ Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No. ... .
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells – Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells – Vitter's Method.
	M.P.R. – Oil – Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs. Large scale..... Small scale.....

DATE RECEIVED

LOGS:

Name	Run No.	Type	Interval

ANALYSES:

Sample	Lab. No.	Formation	Interval

A.O.F. Potential	Formation	Interval	MC.F.D.	Test Date

DRILL STEM TESTS:

No.	Formation	Interval

DEPARTMENT OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

OIL & MINERAL DIVISION
DIVISION DU PÉTROLE ET DES MINÉRAUX

WELL COMPLETION DATA
RENSEIGNEMENTS SUR LES FORAGES

Drilling Authority No. 563
N° de l'autorisation de forage

Date Issued Dec. 8/71
Date de délivrance

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.
À présenter en double dans les trente jours suivant l'achèvement, le remaniement, l'abandon et le reconditionnement de chaque puits, ou après suspension.

Well Name & No — *Nom et n° du puits*	Permit No. — *N° de permis*	Lease No. — *N° de concession*
SHELL SAINVILLE RIVER K-63	6475	

(Permittee, License, Lessee) — *(Détenteur de permis ou de licence, du concessionnaire)*	Exploratory Licence No. — *N° de licence de sondage*
SHELL CANADA LTD. & SHELL EXPLORER LTD.	119 & 121
(Operator) — *(Exécutant)* SHELL CANADA LIMITED	Exploratory Licence No. — *N° de licence de sondage* 119

LOCATION — *EMPLACEMENT*

Unit — *Unité*	Section	Grid — *Étendue quadrillée*	Latitude	Longitude
K	63	66-30-133-00	66° 22' 36.93" N.	133° 12' 15.47" W.

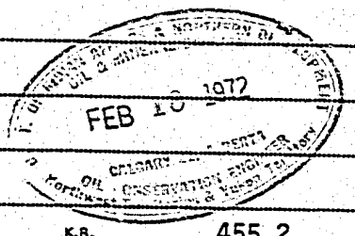
Unique Well Identifier — *Code d'ordinateur*: 300K636630133000

Universal Well Location Reference — *Références universelles d'emplacement du puits*: Lat. - 66.37693° N. Long. - 133.20430° W.

	Date	Depth — *Profondeur*
Spudded — *Début des travaux*	Jan.12/72	
Suspended — *Suspension des travaux*		
Resumed Operations — *Reprise des travaux*		
Finished Drilling — *Forage terminé*	Jan.18/72	2592' Driller
Deepened — *Approfondissement*		2586' Logger
Complete (Gas/Oil) — *Achèvement (Gaz/Pétrole)*		
Abandoned — *Abandon*	Jan.23/72	2592
Rig Released — *Fin des travaux*	Jan.23/72	2592

Pool(s) — *Gisement(s)*: NIL

Interval(s) Open to Production — *Intervalle(s) de production*: NIL



Elevation: Gr. — *Altitude du sol*: 439 K.B. — *du carré d'entraînement*: 455.2

Rig No. — *N° de la tour de orage*: 11

Drilling Contractor — *Entrepreneur en forage*: Gustavson Drilling

Contractor's Business Licence No. — *N° du permis de l'entrepreneur*:

CASING RECORD — *TUBAGE*

Casing Size (Inches) — *Diamètre (en pouces)*	Grade — *Qualité*	Weight — *Poids*	Amount — *Longeur*	Set at — *Fixation à*	Sacks of Cement and Additives — *Sacs de ciment et d'additifs*
1. 20"	-	53#	42'	42' G.L.	105 sx. permafrost
2. 9 5/8"	K-55	36#	429'	429' K.B.	245 sx. permafrost
3.					and 105 sx. constructio
4.					cement.
5.					"
6.					

Geological Tops — *Sommet des formations*	Elevation — *Profondeur* Depths — *Sous le niveau du sol*	Sub-Sea — *Sous le niveau de la mer*
Base Cretaceous		
or Upper Devonian	1400	(-945)
T.D.	2592	

Core Record — *Carottes*

From — *de*	To — *à*	Rec. — *Récupérées*	From — *de*	To — *à*	Rec. — *Recup.*
Sidewall Cores					
498	2556	19/24			

Log Record — *Diagrammes*

Run — *Série*	Type of Log — *Genre de diagramme*	From — *De*	To — *À*
1	Dual Induction-Laterolog	431	2581
1	Borehole Compensated Sonic -Gamma Ray	Surface	2584
1	Microlog Caliper	1152	2582
1	Seismic Reference Survey		

CEMENTING RECORD (Plug, Squeeze, etc.) CIMENTATION (Bouchon, sous pression, etc.)				PERFORATING RECORD (Bullet, Jet) PERFORATION (à balles, à jet)				SERVICING RECORD (Acidizing, Fracing, etc.) ENTRETIEN (acidification, fracturation, etc.)			
Date	From – de	To – à	Remarks – Remarques	Date	From – de	To – à	Remarks – Remarques	Date	From – de	To – à	Remarks – Remarques
Jan.22/72	2592 T.D.	2470	70 sx. cement				NIL				NIL
Jan.22/72	1470	1230	175 sx. cement felt @ 1116'								
Jan.23/72	480	380	80 sx. cement felt @ 362'								
Jan.23/72	Surface		10 sx.								

DRILL STEM TESTS – *ESSAIS AUX TIGES*

No. – N°	Date	Formation	From – de	To – à	V.O. Mins. Vanne ouverte (minutes)	I.S.I. Mins. Première obturation (minutes)	F.S.I. Mins. Obturation définitive (minutes)	I.S.I.B.H.P. Pression de fond à la 1re obturation	F.S.I.B.H.P. Pression de fond à l'obturation définitive	I.F.B.H.P. Pression de fond au jaillissement	F.F.B.H.P. Pression de fond à l'écoulement définitif	L.H.P. Pression hydrostatique de début	F.H.P. Pression hydrostatique définitif	Remarks – Remarques
1	Jan. 21	Cretaceous & Upper Devonian	1375	1420	5/60	60	90	645	648	49	61	649	652	Recovered 70 ft. of slightly water cut mud. (salinity 5,345 ppm. NaCl)

ANALYSIS – *ANALYSE*

Lab. No. N° de laboratoire	Sample Echantillon	From – de	To – à	Source	Remarks – Remarques
55	Water cut mud	1375	1420	DST. NO. 1	Recovered 70' water cut mud. Salinity 5,345 ppm. NaCl

PRESENT STATUS OF WELL
ETAT ACTUEL DU PUITS

Oil *Pétrole* ..... (Interval)(Intervalle)

Gas *Gaz* ..... (Interval)(Intervalle)

Dry *Sec* ..... PLUGGED AND ABANDONED

Susp. *Travaux sus.* .....

Company *Société* ..... SHELL CANADA LIMITED

Signed by *Signé par* .....

Title *Titre* ..... MANAGER, FRONTIER DIVISION PRODUCTION

Date ..... Feb. 15/72

Forms to be prepared in duplicate and forwarded to the District Conservation Engineer.

Présenter les formules remplies à l'ingénieur en conservation du district.

CANADA

Drilling Authority No. 563

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

Application to Abandon a Well or Suspend Drilling

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:—

Name and number of well Shell Sainville River K-63

Location: Unit K-? Section 63 Grid 66-30-13 3-00

Latitude 66°22'36.93" Longitude 133°12'15.47"

From Established Reference Marker Geodetic Station Thunder

Universal Well Location Reference Lat. 66.37693°N Long. 133.20430°W

Permit No. 6475 Lease No.

Shell Canada Limited & Shell Explorer Limited
(Permittee, Licencee, Lessee)

Date of commencement of proposed program January 21, 1972

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at nil

Gas at nil

Water at 1375-1420 (DST No. 1) Rec. 70' water cut mud (3800 ppm NaCl)

Total Depth 2592 Date of last operations January 23, 1972

Present condition of well Abandoned January 23, 1972

CASING RECORD

	Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1.	20"	53#	42'	42'	105 sx.	
2.						
3.	9-5/8"	36#	432'	429'	105 sx normal and	
4.					245 sx. permafrost	
5.					cement	

PROPOSED ABANDONMENT PROGRAM

Plug No.	Plug Position	Geological Formation	Number of Sacks of Cement	Remarks
1	T.D. to 2470	Devonian-Imperial	65	20% excess-no res. develop.
2	1470-1230	Cretaceous	160	40' scattered porosity in interval 1280-1415
3	480-380	Cretaceous	60	
	Surface		10 sx	5 sx. in mousehole
				5 sx. in rathole. Casing
				cut 3' below G.L. Set
				permanently marked pipe with well name 4' above G.L.

The following logs have been run DILL, BHCS-GR-C, MLC, Sidewall cores, SRS

Other operations proposed nil

Operations to be carried out by Gustavson Drilling Ltd. Contractor Licence No.

Address 9825-60 Ave., Edmonton, Alberta Address

Responsible Agent in field H. Rath

Dated at Calgary, Alberta, this 25th Day of January 19 72

Signed by Company Shell Canada Limited

Title Manager, Frontier Div. Production Operator's Exploratory Licence No. 119

Note:—The District Conservation Engineer's office must be notified before work is commenced.

(For OIL AND MINERAL DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given by Mr. D. A. Bohun on January 21, 1972.

Dated January 31, 19 72

D. A. Bohun
District Conservation Engineer

IAND 52-90-5 (7-71)

Forms to be submitted in triplicate to District Conservation Engineer, Department of Indian Affairs and Northern Development.

Voir au verso

CANADA

N° de l'autorisation de forage. . . . . .

MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

DIVISION DU PÉTROLE ET DES MINÉRAUX

Demande d'abandon d'un puits ou de suspension du forage

Conformément au «Règlement sur les terres pétrolifères et gazifères du Canada», nous demandons l'autorisation d'abandonner le puits ci-après ou de suspendre les travaux de forage

Nom et n° du puits . . . . . .

Emplacement: Unité . . . . . Section . . . . . Étendue quadrillée . . . . .

Latitude . . . . . Longitude . . . . .

Code d'ordinateur . . . . . .

Références universelles d'emplacement du puits . . . . . .

N° de permis . . . . . N° de concession . . . . . .

. . . . . .
(Détenteur de permis ou de licence, ou concessionnaire)

Date du début d'exécution du programme projeté . . . . . .

PÉTROLE, GAZ ET EAU
(Profondeur)

Pétrole à . . . . . .

Gaz à . . . . . .

Eau à . . . . . .

Profondeur globale . . . . . Date des derniers travaux . . . . . .

État actuel du puits . . . . . .

. . . . . .

. . . . . .

. . . . . .

TUBAGE

Diamètre extérieur (en pouces)	Poids	Longueur	Fixation à	Sacs de ciment et d'additifs	Longueur récupérée
1.					
2.					
3.					
4.					
5.					

PROGRAMME D'ABANDON PROJETÉ

Bouchon		Formation géologique	Nombre de sacs de ciment	Remarques
N°	Profondeur			

Les diagrammes suivants ont été tracés: . . . . . .

Autres travaux projetés . . . . . .

. . . . . .

Les travaux seront exécutés par . . . . . N° de permis de l'entrepreneur . . . . . .

Adresse . . . . . Adresse . . . . . .

Agent extérieur responsable . . . . . .

Fait à . . . . . le . . . . . 19 . . . . . .

Signé par . . . . . Société . . . . . .

Titre . . . . . N° de licence de sondage de l'exécutant . . . . . .

Nota: Aviser le bureau de l'ingénieur en conservation du district avant de commencer les travaux

(À l'usage de la Division du pétrole et des minéraux)

APPROBATION

Demande étudiée et programme approuvé, sous réserve des conditions suivantes:

. . . . . .

. . . . . .

. . . . . .

. . . . . .

Date . . . . . , 19 . . . . . .

Ingénieur en conservation du district

Présenter les formules en triple exemplaire à l'ingénieur en conservation du district ministère des Affaires indiennes et du Nord canadien.

IAND 52-90-5 (7-71)

See Reverse

Drilling Authority No. 563

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT OIL & MINERAL DIVISION JAN 13 1972

Application to Amend a Drilling Authority

This application, in triplicate, must be submitted and approved before commencing operations. If the well location is changed, this application must be accompanied where required, with a plan of survey approved by the Surveyor General.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made to amend Drilling Authority No. 563, concerning SHELL SAINVILLE RIVER K-63

(Name and Number of Well)

CHANGE OF LOCATION: From: Lat. 66° 22' 36" N., Long. 133° 12' 19" W.
To: Lat. 66° 22' 36.93" N., Long. 133° 12' 15.47" W.

CHANGE OF UNIVERSAL WELL LOCATION REFERENCE: From Lat. 66.37667° N., Long. 133.20528° W.
To: Lat. 66.37693° N., Long. 133.20430° W.

Reasons for the amendments:

Dated at Calgary, Alta., this day of January, 19 72

Signed by

Title Frontier Division Production - Manager

Company SHELL CANADA LIMITED

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:

Date January 13, 19 72

District Conservation Engineer

IAND 52-90-3 (8-71)

Forms to be submitted to the District Conservation Engineer, Department of Indian Affairs and Northern Development.

Voir au verso

N° de l'autorisation de forage: .....

CANADA

MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

DIVISION DU PÉTROLE ET DES MINÉRAUX

Demande de modification d'une autorisation de forage

La présente demande doit être remplie en trois exemplaires, puis présentée et approuvée avant le début des travaux. Si l'emplacement du (des) puits est modifié, la demande doit être accompagnée, au besoin, d'un levé approuvé par l'Arpenteur général.

Conformément au Règlement sur les terres pétrolifères et gazifères du Canada, il est demandé par la présente de modifier l'autorisation de forage n° ....., concernant .....

.....

(nom du (des) puits et nombre)

Les modifications ci-après sont demandées: .....

.....

.....

.....

.....

.....

.....

.....

Motifs de la demande: .....

.....

.....

.....

.....

Fait à ....., ce ..... jour de ....., 19.....

Signée par .....

Poste: .....

Société: .....

(A l'usage de la Division du pétrole et des minéraux)

APPROBATION

La présente demande a été étudiée et approuvée sous réserve des conditions suivantes: .....

.....

.....

.....

.....

Date: ....., 19 .....

.....

Ingénieur en conservation du district

Adresser vos demandes à l'ingénieur en conservation du district,
Ministère des Affaires indiennes et du Nord canadien.

IAND 52-90-3 (8-71)

See Reverse

SHELL CANADA LIMITED

PLAN SHOWING SURVEY

OF

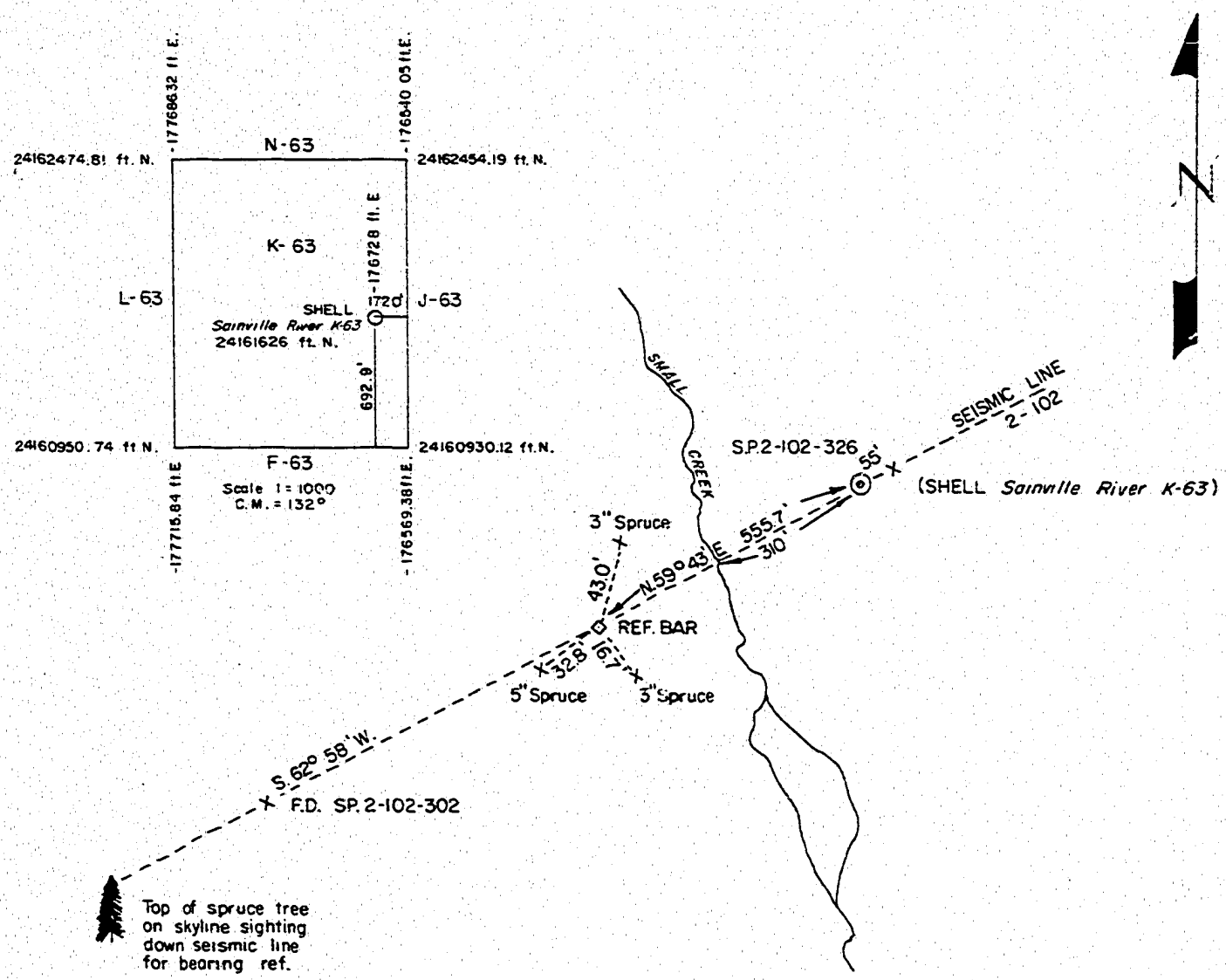
SHELL *Sainville River K-63*

UNIT "K" SECTION "63" GRID AREA (66°30' - 133°00')

LATITUDE 66°22'36.93" LONGITUDE 133°12'15.47"

SCALE 1" = 300'

DECEMBER 1971



LEGEND

Iron Bar Planted shown thus ◇

Bearings Referred to 132° Meridian of Longitude

Ground Elevation 439.0 ft.

Co-ordinates are T.P.C.S. with special Ref. Mer. 132°

Well location surveyed from seismic information with datum using Shell tellurometer. Traverse July 1969, June 1971 from geodetic sta. "THUNDER."

I certify that the survey represented by this plan is correct to the best of my knowledge and was completed on the 16th. day of December 1971.

C. Hitchcock ALS.

Drilling Authority No. 563
Project No. .....

CANADA

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:—

Name and number of well ..... Shell Sainyille Riv ..: K-63 .....

Location: Unit ..... K ..... Section .. 63 ..... Grid . 66-30-133-00 .....
Latitude ..... 66° 22' 36" N. ..... Longitude .. 133° 12' 19" W. .....
Unique Well Identifier .....
Universal Well Location Reference ... Lat. 66.37667 Long. 133.20528 .....

Elevation: Ground ..... 439' (est.) ..... K.B. ..... 455' (est.) ..... feet above sea-level.
Well is expected to produce from .. Basal Cretaceous ..... formation at a depth
of about .. 1,390 ..... feet. Expected total final depth .... 2,500 .....
Area assigned to well .....
(for District Conservation Engineer's use only)

Permit No. .. 6475 ..... Lease No. ..... Acreage .... 51286 .....
Permittee, licensee, or lessee ... Shell Canada Limited & Shell Explorer Ltd. .....
Explanatory Licence No. ... 119 121
Su. - owned by Crown or .....
(If alienated submit name and address of owner and occupant.)

Petroleum and natural gas rights owned by .... Crown .....
We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 20" Cond. Pipe	53#			40'	Cement to Surface
2. 9 5/8"	36#	K-55	New	400'	Cement to Surface (approx. 270sx.)
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment ..... Unknown .....
..... 10" Hydril, Double Ram (10") BOP'S .....
Well will be drilled with Rotary Rig No. .11 ..... by Gustavson Drilling Ltd. .....
(Drilling Contractor or company)

.....

Responsible agent of applicant .....
At well ..... H. Rath
Address Box 880, Calgary, Alta.
Contractor's Business Licence No. .....
At registered office .. J.E. Czaja .....
Address .. Box 880 Calgary, Alta. .....
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at ... Calgary, Alberta ... this .. 7th ..... day of ... December ..... 1971.
Signed by ..... for
Title Manager, Frontier Division Production
Company ... Shell Canada Limited .....
Operator's Licence No. 119 .....

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:

..... Please see attached sheet for Conditions of Approval. .....
.....
Dated ..... December 8 ..... 19 71 .....
District Conservation Engineer

Forms to be submitted to District Conservation Engineer,
Department of Indian Affairs and Northern Development.

IAND 52-90-1 (7-71)

Voir au verso

N° de l'autorisation de forage. . . . .
No de projet. . . . .

CANADA

MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

DIVISION DU PÉTROLE ET DES MINÉRAUX

Demande d'autorisation de forage

Avant de commencer les travaux, soumettre (en triple exemplaire) et faire approuver le présent avis (indiquant l'intention d'entreprendre des travaux de forage) et, au besoin, un plan d'arpentage reconnu par l'arpenteur général, montrant l'aire de sondage ou l'emplacement du puits.

Conformément au «Règlement sur les terres pétrolifères et gazifères du Canada», nous demandons l'autorisation d'effectuer des travaux de forage.

Nom et n° du puits . . . .

Emplacement: Unité . . . . Section . . . . Étendue quadrillée . . . .
Latitude . . . . Longitude . . . .
Code d'ordinateur . . . .
Références universelles d'emplacement du puits. . . . .

Élévation: du sol . . . . du carré d'entraînement . . . . .pieds au-dessus du niveau de la mer
Production prévue quand les tiges atteindront la formation . . . . à une profondeur approximative de . . . . pieds. Profondeur totale prévue. . . . .
Superficie assignée au puits . . . .
(à l'usage de l'ingénieur en conservation du district)
. . . .

N° de permis . . . . N° de concession . . . . Superficie. . . . .
Détenteur de permis ou de licence, ou concessionnaire . . . .
N° de licence de sondage. . . . .
Terres appartenant à la Couronne ou à . . . .
(Dans le cas de terres aliénées, donner le nom et l'adresse du propriétaire et de l'occupant)
Détenteur(s) des droits pétroliers et gaziers . . . .
Nous prévoyons utiliser les colonnes de tubage suivantes et de les cimenter ou de les sceller, tel qu'il est indiqué ci-dessous: –

Diamètre extérieur (en pouces) de tubages	Poids (liv./pi.)	Qualité	Tubages neufs ou usagés	Profondeur estimative	Sacs de ciment
1.					
2.					
3.					
4.					
5.					

Nappes d'eau, de gaz et de pétrole prévues et genre de matériel anti-éruption. . . . .
. . . .
. . . .
. . . .

Le puits sera foré à l'aide de la tour rotary n°. . . . . par . . . .
(Entrepreneur ou société de forage)
. . . .

Agent responsable pour le requérant: – N° de permis de l'entrepreneur . . . .
Sur le chantier . . . . Au siège . . . .
Adresse . . . . Adresse . . . .
Il est entendu que, dans le cas de modifications indispensables, un avis sera soumis.
Datée – . . . . le . . . . 19. . . . .
Signé par . . . . Société. . . . .
Titre . . . . N° de licence de sondage de l'exécutant . . . .

(À l'usage de la Division du pétrole et des minéraux)

APPROBATION

Demande étudiée et approuvée sous réserve des conditions suivantes:
. . . .
. . . .
. . . .

Date . . . . 19 . . . .
Ingénieur en conservation du district

Présenter les formules à l'ingénieur en conservation du district,
Ministère des Affaires indiennes et du Nord canadien.

IAND ?2-90-1 (7-71)

See Reverse

CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY NO. 563
FOR SHELL SAINVILLE RIVER K-63 issued Dec. 5, 1967.

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.

2. The Company will submit to this office, on Tuesday of each week/daily, the latest reports received by radio on the progress of the well.

3. During well drilling and testing operations, every effort shall be made to ensure that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.

5. Any additional strings of casing must be approved by the District Conservation Engineer prior to running.

M. D. Thomas
District Conservation Engineer
Districts 2 and 3

/mj

WELL PROGNOSIS

TIGHT HOLE

FRONTIER DIVISION PRODUCTION

LOCATION: [illegible] 68° 28' 35" N. 133° 12' 10" W.

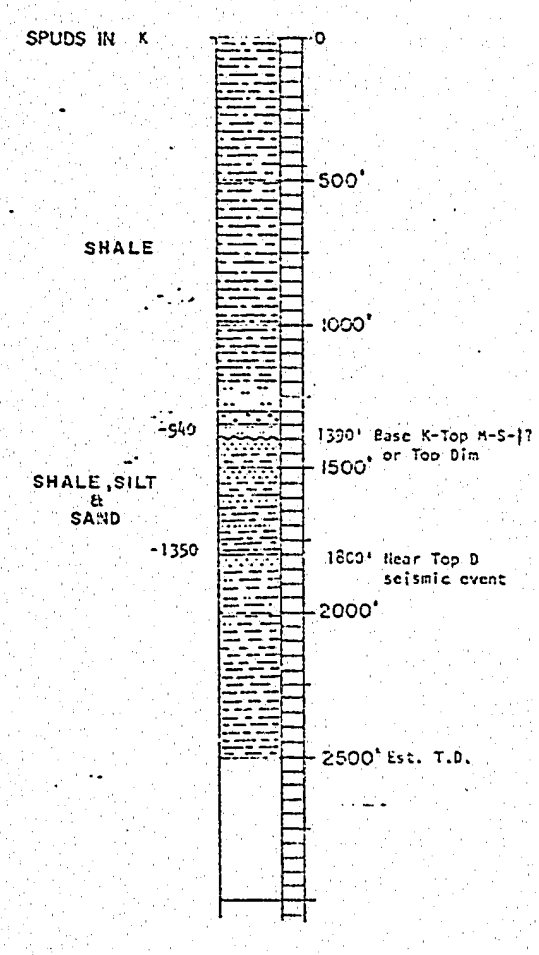
ELEVATION: G.L. 439' est.

K.B. 455' est.

EST. T.D. 2500'

WELL NAME: SHELL SAINVILLE RIVER K-63

AREA: GLACIER, N.W.T.



HOLE AND CASING PROGRAM

(a) Auger drill 24" conductor hole to 40'.
(b) Set 40' of 20" 53# conductor pipe.
(c) Install 12" casing Flange and 12" Series 900 Hydril.
(d) Drill 12¼" hole to 400'.
(e) Set 9⅝" 36# K-55 casing.
(f) Install 10" Series 900 casing bowl and 10" Series 900 BOP stack.
(g) Drill 8¾" hole to T.D.

DEVIATIONS

Survey must be taken at least every 500 feet.

MUD PROPERTIES

Ensure that mud is capable of forming good quality mud cake and good quality samples are obtained.

OBJECTIVES

Possible sandstone developments in basal Cretaceous, and MSI ? - Imperial seismically defined wedge.

EVALUATION

(i) Samples: (a) One 8"x 12" unwashed plastic lined bag every 10'.
(b) One 4"x 6" semi-washed non-lined bag every 10'.
(c) Two washed and dried plastic vial cuts every 10'.

(ii) Cores: (a) Side wall cores (iv) below.

(iii) Drill Stem Tests:
(a) After encountering reservoir quality rock in any of the above objectives, a DST may be run before drilling ahead. (Contact Frontier Division Office)

(iv) Logging (1) Surface Logging Program.
(a) See attachment for details.
(2) Final Logging Program.
(a) DILL - T.D. to surface casing 2" and 5" scales.
(b) BHC-GR-C (Integrated) T.D. to surface 2" and 5" scales.
(c) Two CST (Coring points to be selected by Exploration Dept.)
(d) Seismic Reference Survey.

RECOMMENDED: [signature]

RECOMMENDED: [signature]

RECOMMENDED: [signature]

APPROVED: [signature]

DATE: [illegible]

APPROVED: _____

DATE: _____

SAINVILLE RIVER K-63

SURFACE LOGGING PROGRAM

Propose drilling 12-1/4" hole to 400'. Run surface logs for delineation of base of permafrost.

Logging Specifications

Run (1) HRT on 5" scale
(2) IES with SP on 2" & 5" scale
(3) BSGR-C (40-90-140 sensitivity) on 2" & 5" scale
(4) HRT on 5" scale
(5) SRS

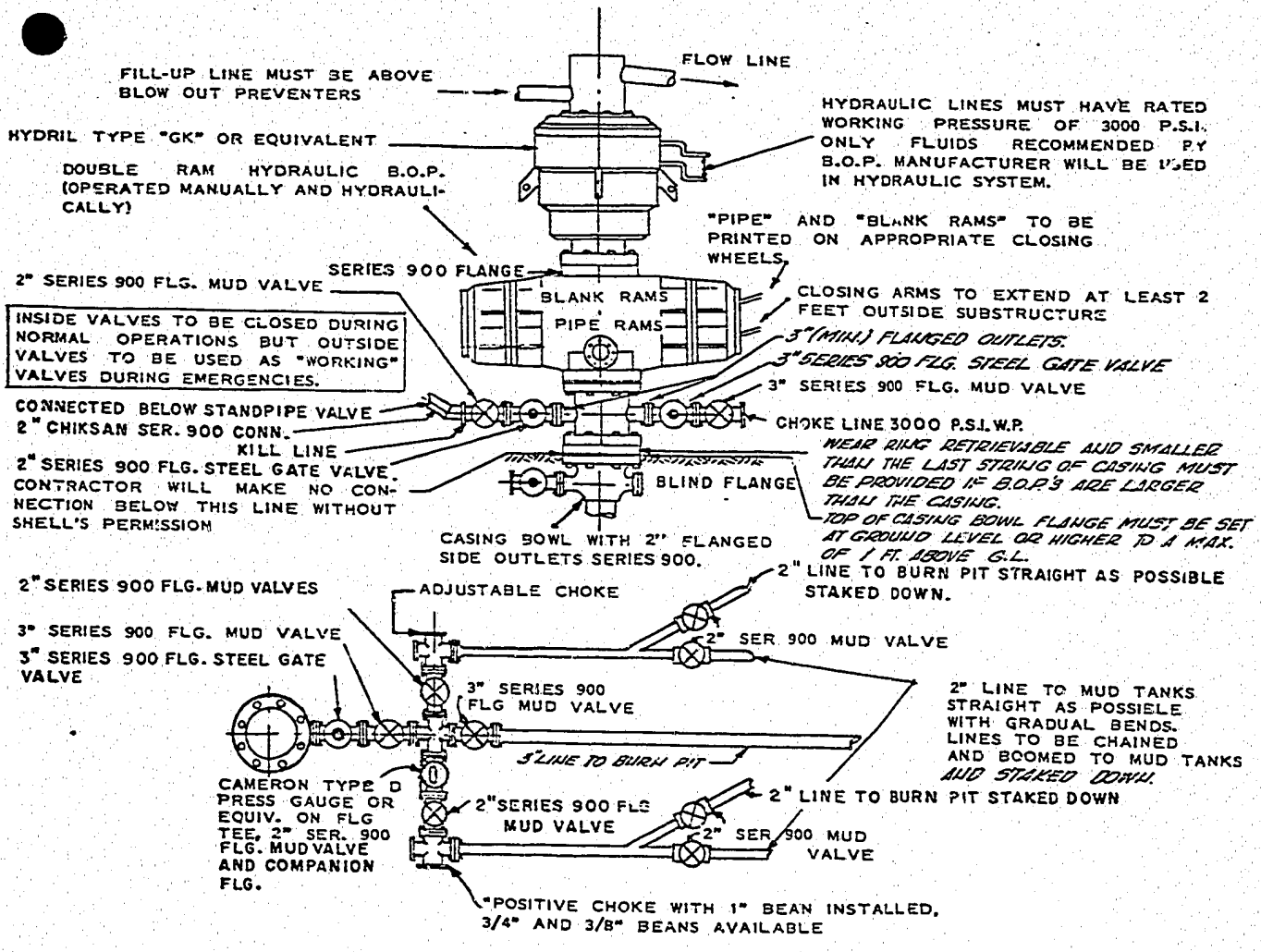
Run HRT first, as soon after drilling is completed as possible.

Re-run HRT (after logging with IES and BSGR-C) for comparison of Thermal gradient with original HRT run.

K.R.

C

Shell Sainville River
WELL K-63 DATE _____ CONTRACTOR Gustavson Drilling Ltd.



THESE CHOKE DETAILS ARE INTENDED TO OUTLINE THE BASIC CHOKE MANIFOLD REQUIREMENTS, NOT THE EXACT MANNER OF HOOK-UP

NOTES:

1. KELLY COCKS MUST BE USED - MIN. W.P. 3000 PSI.
2. SELF SEALING RING GASKETS MUST BE USED.
3. IF BOP HAS FLANGED SIDE OUTLET, IT MUST BE EQUIPPED WITH A SERIES 900 STEEL GATE VALVE *WITH* COMPANION BLIND FLANGE. BOP'S WITH SCREWED SIDE OUTLETS NOT ACCEPTABLE.
4. PRESSURE ACCUMULATOR UNIT AND TWO NITROGEN CYLINDERS FOR EMERGENCY TO BE LOCATED 100 FEET FROM WELL IN HEATED HOUSE. PRESSURE IN NITROGEN CYLINDERS SHALL BE MAINTAINED AT 1500 PSI OR MORE.
5. BOP CONTROLS MUST BE PROVIDED ON THE FLOOR AND AT THE ACCUMULATOR.
6. CHOKE MANIFOLD VALVES MUST BE EASILY ACCESSIBLE.
7. NO THREADED OR WELDED CONNECTIONS TO BE USED FROM DRILLING SPOOL OUT TO CHOKES.
8. BOP'S AND ASSOCIATED EQUIPMENT MUST BE TESTED IN ACCORDANCE WITH THE FOLLOWING PROCEDURES:
   PRIOR TO DRILLING OUT CASING - PRESSURE TEST ALL BLOWOUT CONTROL EQUIPMENT (INCLUDING KELLY COCK) WITH WATER TO 77% OF RATED BURST RESISTANCE OF CASING STRING (2400 PSI MAX.).
   DAILY TESTS - CHECK CLOSING AND OPENING OF BOP'S WITH ACCUMULATOR AND WORK KELLY COCK.
   15 DAY TESTS - PRESSURE TEST KELLY COCK FROM BELOW WITH WATER TO 2400 PSI. *CONTRACTOR TO SUPPLY NECESSARY EQUIPMENT.*
   - CLOSE HYDRIL WITHOUT PIPE IN HOLE.
   - RETIGHTEN ALL FLANGES IN BOP STACK AND CHOKE MANIFOLD. *CHECK ALL VALVES FOR OPENING AND CLOSING.*
   SUBSEQUENT TESTS - APPROXIMATELY EVERY 45 DAYS, AND AS DIRECTED BY SHELL, PRESSURE TEST CASING AND ALL BLOWOUT EQUIPMENT WITH WATER TO 67 PER CENT OF RATED BURST RESISTANCE OF CASING STRING (MAX. 2400 PSI) FOR A MINIMUM OF 15 MINUTES USING A DEMCO TESTER OR OTHER PACKER ABOVE THE SHOE.
9. *WHEN INSTALLING PIPE RAMS WHILE B.O.P'S ARE OVER THE HOLE, A JOINT OF PIPE OR THE KELLY MUST BE RUN INSIDE THE B.O.P'S.*
10. *B.O.P. EQUIPMENT MUST BE TIED DOWN IN A MANNER ACCEPTABLE TO SHELL. THE LINES MUST BE KEPT TIGHT AT ALL TIMES BUT ARE NOT TO BE USED FOR CENTERING THE B.O.P'S AND FLOW NIPPLE UNDER ROTARY TABLE.*
11. *CHOKE MANIFOLD WILL BE SET ON PLANKS AS INSTRUCTED BY SHELL. SHELL WILL SUPPLY THE PIPE TO GO FROM THE DRILLING SPOOL VALVES TO THE CHOKE MANIFOLD. CONTRACTOR WILL SUPPLY THE REMAINDER OF THE LINES AND BOX THE MANIFOLD IN TO PROTECT IT FROM INCLEMENT WEATHER. DURING WINTER OPERATIONS, THE LINE FROM THE WELL AND THE MANIFOLD WILL BE FILLED WITH DIESEL FUEL.*

SHELL CANADA LIMITED
CALGARY E. & P.
PRODUCTION DEPT - MECHANICAL ENG. SECTION

B.O.P. CLASSIFICATION NO.3. SERIES 900
DRILLING TO 15,000 FT.
COMPLETION TO 12,000 FT.

DESIGNED -		SCALE - N.T.S.
DRAWN	CHKD. - WBS	DATE - 10/63
APPR - RBB		A-XX-D15-3642

SHELL
Sainville River
⊙ K-63
Approx

37-11-6-112 Ottawa

WELL HISTORY REPORT

SHELL SAINVILLE RIVER K-63

WELL HISTORY REPORT
SHELL SAINVILLE RIVER K-63

SHELL CANADA LIMITED

WELL HISTORY REPORT
SHELL SAINVILLE RIVER K-63

SHELL CANADA LIMITED

WELL HISTORY REPORT

SHELL SAINVILLE RIVER K-63

TABLE OF CONTENTS

SECTION I - SUMMARY OF WELL DATA

(a) Well Name and Number

Shell Sainville River K-63

(b) Permittee

Shell Canada Limited
P.O. Box 880
Calgary, Alberta

and

Shell Explorer Limited

(c) Name of Operator

Shell Canada Limited
P.O. Box 880
Calgary, Alberta

(d) Location

Unit K, Section 53, Grid 66-30 - 133-00
Latitude: 66° 22' 36.93" N.
Longitude: 133° 12' 15.47" W.
Universal Well Location Reference:
Latitude: 66.37693° N.
Longitude: 133.20430° W.
Unique well identifier: 300K636630133000

(e) Permit Number

6475

(f) Drilling Contractor

Gustavson Drilling (1964) Limited
- Rig No. 11 - Rotary

(g) Drilling Authority Number

Drilling Authority No. 563
Date Issued: December 8, 1971

(h) Classification

Wildcat

(i) Elevation

Ground Level: 439'
Kelly Bushing: 455.2'

(j) Date Spudded

8:00 P.M. January 12, 1972

(k) Date Completed Drilling

January 18, 1972

(l) Total Depth

F.T.D. 2,592 K.B. Driller; 2586' K.B. Logger

(m) Well Status

Dry and Abandoned

(n) Rig Released

Noon: January 23, 1972

(o) Hole Sizes

24" to 42' G.L.
12 1/4" to 429' K.B.
8 3/4" to 2,592' K.B.

(p) Casing

20", 53# Conductor Pipe set at 42' G.L.
Cemented with 105 sacks of permafrost cement.

9-5/8", New K-55, 36#
Casing landed at 429' K.B.
Cemented with 245 sacks of permafrost cement and
105 sacks of construction cement.

SECTION II - GEOLOGICAL SUMMARY

(a) Formation Tops

FORMATION	SAMPLE TOPS	LOG TOPS
Base Cretaceous on Upper Devonian	1400	1400

(b) Cored Intervals

Sidewall Cores:

498 - 2556, Recovered 19 out of 24 cores.

(c) Core Description

Sidewall Cores:

1035 - Shale, dark grey, micromicaceous
1075 - Shale - as above
1178 - Shale
1274 - Siltstone
1300 - Siltstone
1325 - Siltstone
1341 - Siltstone
1397 - Siltstone
1407 - Sandstone
1430 - Shale, dark grey, micromicaceous
1445 - Shale as above
1528 - Shale as above
1819 - Shale as above
1933 - Shale as above
2054 - Shale as above
2234 - Shale, dark grey
2357 - Shale, dark grey
2453 - Shale, dark grey
2556 - Shale, dark grey

(d) SAMPLE DESCRIPTION

SHELL SAINVILLE RIVER K-63

0 - 60'	Glacial drift
60 - 1100'	Shale, dark grey, micromicaceous, slightly pyritic, with occasional Inoceramous prisms.
1100 - 1200'	Shale and siltstone, glauconitic.
1200 - 1260'	Shale, grey with occasional streaks of siltstone.
1260 - 1300'	Sandstone - siltstone, glauconitic.
1300 - 1400'	Sandstone, glauconitic, fine to medium grained, NVP.
1400 - 2060'	Shale, dark grey, micromicaceous.
2060 - 2100'	Shale and siltstone.
2100 - 2220'	Shale, dark grey.
2220 - 2260'	Shale and siltstone.
2260 - 2592'	Shale, dark grey.

(e) PALYNOLOGICAL RESULTS OF SHELL SAINVILLE RIVER K-63

66° 22' 36.93" N. 133° 12' 15.47" W. NWT.

Well cuttings and sidewall cores were examined. In general the spores, pollen, and micro-plankton recovered were extremely poorly preserved.

0' - 170' - No Samples.

170' - 1400' - Lower Cretaceous (Albian). The following micro-plankton types could be identified: Diconodinium multispinum, Paleoperidinium cretaceum, Gardodinium eisenachii, Fromea amphora, Hystrichosphaeridium sp., Pterospermopsis sp., Broomea jeageri, Paleostomocystus fragilles, and Odontochitina operculata. Of the pollen and spores conifers, Cicatricosisporites hallei, Trilobosporites apiverrucatus, Classopollis torosus, Cicatricosisporites australensis, Gleicheniidites senonicus and Taxodium were recognized. The total assemblage suggests an Albian age.

1400' - T.D. - ML/DU. (probably Strunian). The floral assemblage is very poorly preserved. Very few different types are present. Lophozonotriletes lepidophytes is the most common species. The last several hundred feet are so carbonized that identification is practically impossible. Lophozonotriletes lepidophytes is known from the Lowermost Mississippian and Uppermost Devonian sediments.

A. P. AUDRETSCH

14 Feb. '72

SECTION III
ENGINEERING

SECTION III - ENGINEERING SUMMARY

(a) Drill Stem Tests

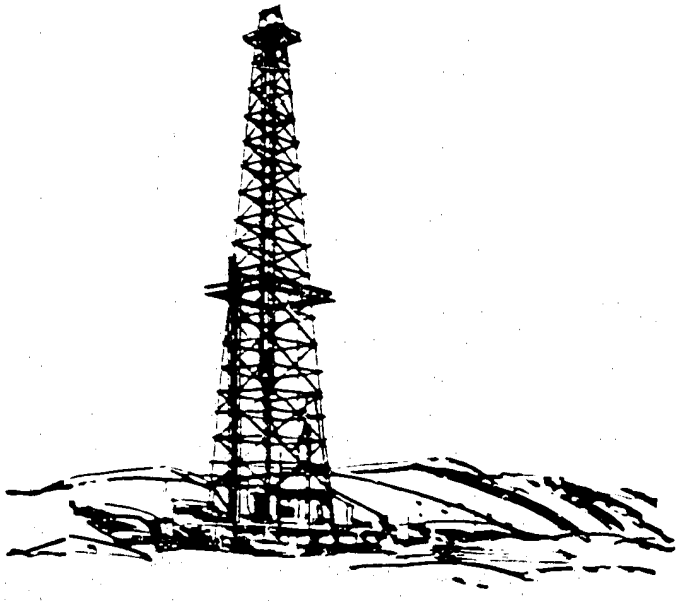
No.	Interval	Flow Rate & Recovery	IFP	FFP	ISIP/TIME	FSIP/TIME
1	1375 - 1420	70' Slightly Water Cut Mud	49	61	645/60	648/90

Note: See next page for Technical Report

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable and Conventional Packer Tools



NOMENCLATURE (Definition of Symbols)

Q	=	average production rate during test, bbls./day
Q_g	=	measured gas production rate during test, MCF/day
k	=	permeability, md
h	=	net pay thickness, ft. (when unknown, test interval is chosen)
μ	=	fluid viscosity, centipoise
Z	=	compressibility factor
T_t	=	reservoir temperature, ° Rankine
m	=	slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
b	=	approximate radius of investigation, feet
r_w	=	wellbore radius, feet
t_o	=	total flowing time, minutes
P_o	=	Extrapolated maximum reservoir pressure, psig
P_f	=	final flowing pressure, psig
P.I.	=	productivity index, bbls./day/psi
$P.I._t$	=	theoretical productivity index with damage removed, bbl./day/psi
D.R.	=	damage ratio
E.D.R.	=	estimated damage ratio
AOF	=	absolute open flow potential, MCF/D
AOF_t	=	theoretical absolute open flow if damage were removed
Z	=	subsea depth
W	=	water gradient based on salinity
H_w	=	potentiometric surface

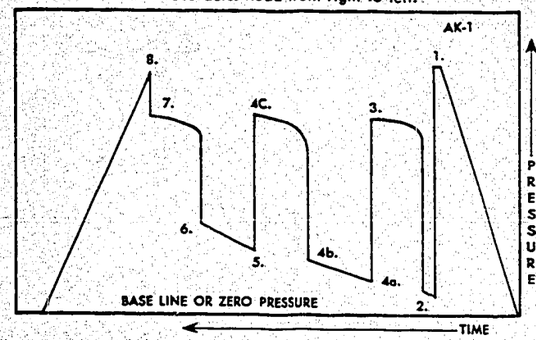
In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

DEFINITION OF SYMBOLS

LYNES

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

AK-1 recorders. Read from right to left.

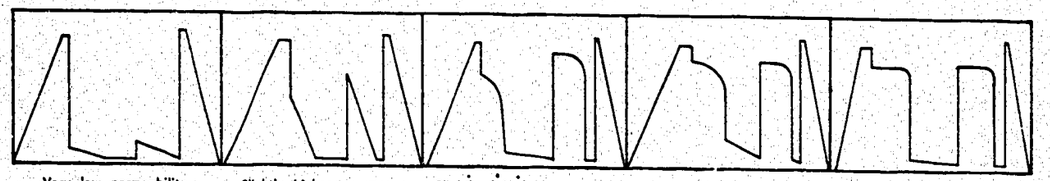


K-K-3 recorders. Read from left to right.

1. INITIAL HYDROSTATIC MUD PRESSURE
2. PRE-FLOW
3. INITIAL SHUT-IN
4a. 2nd INITIAL FLOW
4b. 2nd FINAL FLOW
4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

N.B. When only two shut-in and flow periods are run, 4a, 4b and 4c are omitted.

Typical charts for visual field analysis ranging from very low to high permeability.



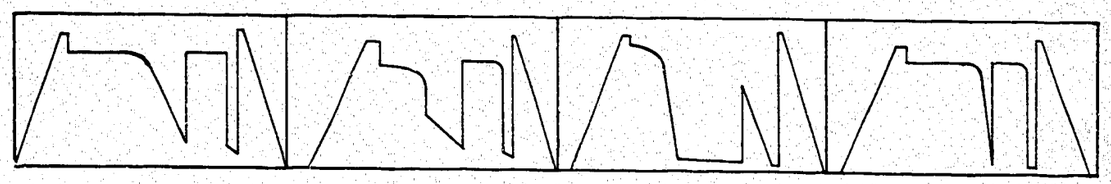
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200' ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

WELL NAME - SHELL SAINVILLE RIVER

LOCATION - K-63

DST NUMBER - 1

INTERVAL TESTED - 1375 TO 1420

RECORDER NO. - 7498

DEPTH - 1380

INITIAL SHUT IN PRESSURE

TIME(MIN) Φ	T + Φ / Φ	PSIG
0	0.0000	63
5	2.0000	171
10	1.5000	310
15	1.3333	459
20	1.2500	569
25	1.2000	629
30	1.1667	642
35	1.1429	644
40	1.1250	644
45	1.1111	645
50	1.1000	645
55	1.0909	646
60	1.0833	647

EXTRAPOLATION OF INITIAL SHUT-IN = 658.49

WELL NAME - SHELL SAINVILLE RIVER

LOCATION - K-63

DST NUMBER - 1

INTERVAL TESTED - 1375 TO 1420

RECORDER NO. - 7493

DEPTH - 1380

SECOND SHUT IN PRESSURE

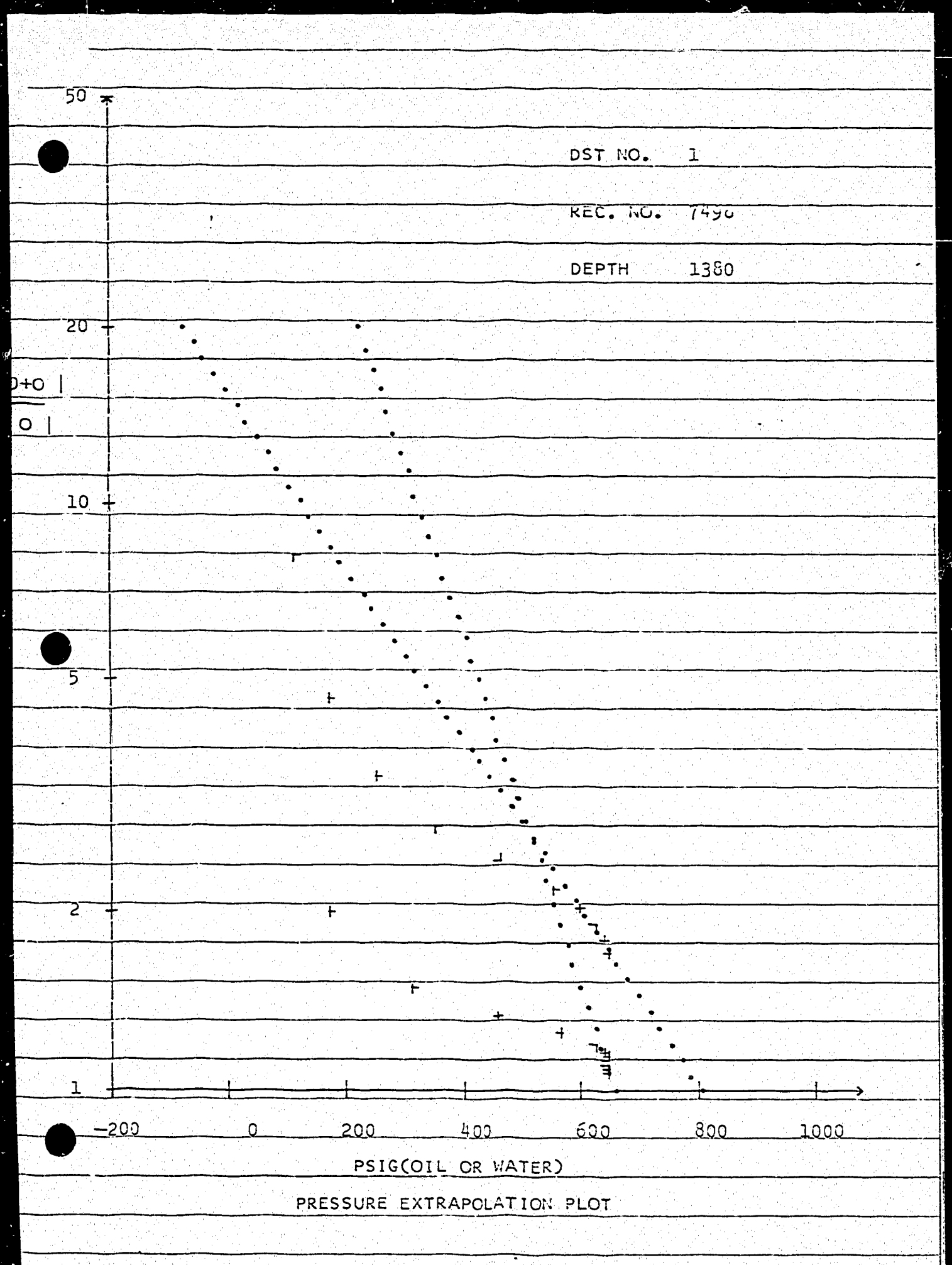
TIME(MIN) Φ	T + Φ / Φ	PSIG
0	0.0000	63
9	8.2222	112
18	4.6111	174
27	3.4074	252
36	2.8056	352
45	2.4444	466
54	2.2037	591
63	2.0317	632
72	1.9028	626
81	1.8025	643
90	1.7222	647

EQUATION OF FITTED LINE IS LOG((T0+Φ)/Φ)= -0.00148 PSIG + 1.10050

EXTRAPOLATION OF SECOND SHUT-IN = 807.05 M= 677.90

RESERVOIR PARAMETERS:

COLLAR RECOV=	0.000	PIPE RECOVER=	0.000	INIT FLOW TI=	0.000
FIN FLOW TIM=	0.000	MUD EXPANSIO=	0.000	BTTM HOLE TE=	0.000
API GRAVITY =	0.000	SPEC GRAVITY=	0.000	VISCOSITY =	0.000
PAY THICKNES=	0.000	SUBSEA DEPTH=	0.000	WATER GRAD =	0.000



PRESSURE EXTRAPOLATION PLOT

LYNES UNITED SERVICES LTD.

TEST DATA							
Test No.	1	Lynes Tst	1				
Formation	Mississippian	T.D.	2592	Ft.			
Interval Tested	1375	Ft. to	1420	Ft.			
Net of Net Pay Tested	45			Ft.			
Type of Test	Infaltable Straddle						
Cushion		Amount		Ft.			
Started in Hole at	7:30	Hrs.	Tool Open at	10:10	Hrs.		
Pre-Flow	5	Mins.	Initial Shut-in	60	Mins.		
2nd Flow		Mins.	Second Shut-in		Mins.		
Final Flow	60	Mins.	Final Shut-in	90	Mins.		
Remarks:							

GENERAL INFORMATION	
Company	Shell of Canada Ltd.
Address	Box 100
	Calgary, Alberta
Well Name	Shell Sainville River
Well Number	K-63
K.B. Elevation	455 Sub-Sea Elevation
Area	Glacier Province N.W.T.
Company Rep.	
Tester	D. Baillie
Contractor	Gustavson Rig No. 11
Ticket No.	2945 Date Jan 21/72
Service Reports To:	
	7 - Frank Budda

Blow: Weak to fair air blow on preflow. Fair to good air blow on final flow throughout the test.

GAS BLOW MEASUREMENTS

Measured with no gas to surface.

Time	Surface Choke	Reading Inches	Cubic Feet/Day

MUD AND HOLE DATA

Mud Type	Gel Chem				
Weight	9.0	Viscosity	65	Water Loss	7.8
Filter Cake	2/32"	Bottom Hole Temperature	82o		
Drill Pipe Size	4"			Weight	14.0
Drill Collars	6 3/4"	I.D.	2 7/8	Feet Run	190.07
Main Hole or Casing Size	8 3/4"				
Rathole or Liner Size				No. of Feet	
Bottom Hole Choke Size	1"				
Surface Choke Size	adjustable				
Packer Rubber Size	7 5/8"				

REMARKS: Shut-in pressures suggest low permeability within the interval tested, with high formation pressure for the depth tested also present.

RECOVERY

TOTAL FLUID RECOVERED 70 Ft. Consisting of:

70 Ft. of slightly water cut mud

Ft. of

Ft. of

Ft. of

Test was/was not Reverse Circulated

Oil Recovery A.P.I. Water Specific Gravity

Salinity 3,800 PPM NaCl

PRESSURE READINGS

Inside / Outside	Outside X	Inside / Outside X	Inside X / Outside	Inside X / Outside
Recorder No.	8117	7498	8893	6288
Capacity	2000	2500	3000	3000
Depth	1380	1380	1350	1430

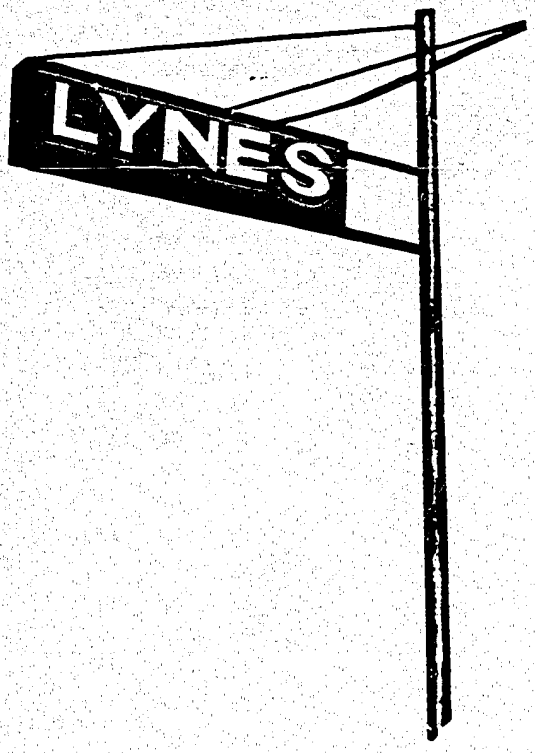
NUMBER KEY:				
1 - INITIAL HYDROSTATIC	649	652	634	660
2 - PRE-FLOW	61	63	37	
3 - INITIAL SHUT-IN	645	647	613	below straddle
4a - 2nd INITIAL FLOW				
4b - 2nd FINAL FLOW				
4c - 2nd SHUT-IN				
5 - 3rd INITIAL FLOW	49	53	35	
6 - FINAL FLOW	61	63	49	
7 - FINAL SHUT-IN	648	647	641	
8 - FINAL HYDROSTATIC	652	651	642	666

Shell Oil Canada Ltd. — Company

Shell Sainville K-63 — Well Name and Description

#1 — Test No.

Jan 21/72 — Date of Test



LYNES UNITED SERVICES LTD. 262-4501 CALGARY, ALBERTA

(b) Casing Record

Size	Grade	Weight	Amount	Set at	Sacks of Cement
20"		53#	42'	42' G.L	105
9 5/8"	K-55	36#	429'	429' K.B.	105 normal 245 permafrost

(c) Bit Record

No.	Size	Type	Depth Out	Footage	Hours	Cum. Hrs.	Bit Condition
1A	12 1/4"	STIAG	429	429	18 3/4	18 3/4	1-2-0
1	8 3/4	ST3AJ	1,410	981	15 3/4	34 1/2	8-3-1
2	8 3/4	FCTJ	2,592	1,182	27 3/4	62 1/4	0-2-0

(d) Mud Report

Type	Amount Sacks	Lbs.
GEL	249	24,900
CAUSTIC	6 1/2	325
CMC	4	200
BENEX	36	72
SAWDUST	5	200

(e) Deviation Record

Depth	Deviation
146'	0°
240'	3/4°
671'	1/2°
890'	1/2°
1,106'	1/2°
1,322'	3/4°
1,410'	1°
1,584'	3 1/2°
1,677'	3 1/2°
1,771'	2 1/2°
1,970'	3/4°
2,092'	2 1/4°
2,218'	3°
2,329'	4 3/4°
2,485'	3°
2,592' T.D.	4°

(f) Abandonment Plugs

Plug No.	Interval	No. of Sack Cement	Remarks
1	2,592-2,470	70 sx.	
2	1,470-1,230	175 sx.	Felt plug #2 at 1,116'
3	480- 380	80 sx.	Felt plug #3 at 362'
	Surface	10 sx.	5 sx. in rathole 5 sx. in mousehole Location marked with nameplate welded on 4 foot riser.

(g) Lost Circulation Zones

Formation	Interval	Fluid Lost	Remarks
Cretaceous	146 - 210	200 bbls.	Added sawdust to mud to combat lost circulation.
Devonian-Imperial	2,100'	80 bbls.	Logs indicate that formation is fractured at 1400-1410 and from 1560-1660. Fluid probably lost in this interval.

SECTION IV
LOGS

SECTION IV - LOGS

Type	Interval	Date
Dual Induction - Laterolog	431-2,581	January 20, 1972
Borehole Compensated Sonic Log	surface-2,584	January 20, 1972
Microlog Caliper	1,152-2,582	January 20, 1972

Seismic Reference Survey

SECTION V - ANALYSIS

(a) Core Analysis

Nil

(b) Water Analysis

See Appendix "A"

(c) Gas Analysis

Nil

(d) Oil Analysis

Nil

SECTION VI - COMPLETION SUMMARY

(a) Tubing Record

Nil

(b) Perforation Record

Nil

(c) Cementation

Plug No.	Date	Plug Interval	Porous Interval	Sacks Cement	Depth Felt
		T.D.			
1	January 22, 1972	2,592-2470		70	
2	January 22, 1972	1,470-1,230	1,288-1,298 1,333-1,339 1,348-1,355 1,403-1,414	175	1,116
3.	January 23, 1972	480- 380		80	362
	January 23, 1972	Surface		10	

5 sx. cement in rathole
5 sx. cement in mousehole.

(d) Acidization and Fracturing

Nil

(e) Back Pressure and Production

Nil

ORIGINED BY
R. A. MacDONELL

R. A. MacDonell
Manager
Frontier Division Production

Date: _____

APPENDIX "A"
Water Analysis

CP-80 (REV-3/67)

SHELL CANADA LIMITED

PRODUCTION LABORATORY ANALYSIS REPORT

CALGARY, ALBERTA

Laboratory Number 55
WATER

Sample Received JANUARY 25 1972
Sample Analyzed FEBRUARY 1 1972
Results Reported FEBRUARY 1, 1972

Well SHELL SAINVILLE RIVER K-63 66° 22' 36.93" N 133° 12' 15.47"
Lsd ____ Sec ____ Twp ____ Rge ____ W ____ Formation MISSISSIPPIAN
Well K.B. 455' G.L. 439' T.D. 2592' P.B.T.D. SURFACE Perfs. or O.H. OPEN HOLE
Method of production DST #1 1375-1420'
DST Recovery 70' WATER CUT MUD
Sample obtained from ABOVE TOOL [FIELD #1]
Sampled by R. COMSTOCK / K. MACGREGOR Date JANUARY 21, 1972 Time ____

FILTER PRESS FILTRATE - CLEAR, WATER WHITE.

SALINITY. 3239 mg Cl⁻/l [5345 mg NaCl/l]

File Code No. 15-1300
Production Department, Calgary Area 1
Division Office FRONT. PET. 5
Production Laboratory, Calgary Area 2

Analyst ____

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Sainville River.

LOCATION: K-63

PROVINCE: N.W.J.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H. Rath

CONTRACTOR: Gustavson Artic Drlg.

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
TD				11	JAN	23	72

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
DP	14	E	2 3/8	5 1/4	4FH
DC	101		2 1/8	6 3/4	5H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	NATIONAL	8-P-80	9 1/2
2	NATIONAL	8-P-80	9 1/2

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8	36# K-55	14	429'	15.21	429	105 I.C. 245 P.C.	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN	6 4			
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	[illegible] LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	[illegible] CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON	P/A			
70	STANDBY				
	TOTALS	8			
	HOURS FOR SHELL ACCOUNT				
EQUIPMENT CONTRACTOR	BOILER #1	8			
	BOILER #2	8			

HOLE CONDITION

1	HOLE DRAG (1000#)
2	TORQUE ON BOTTOM (DP TURNS)
	FILL ON BOTTOM (FEET)

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

DP ____ STANDS ____ FT.

DP ____ SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
TD														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12⁰⁰	1⁹⁰	1 3/4		Run in Teel Plug @ 362, Pull out Lay Down 15 singles.
1³⁰	1⁴⁵	1/4		Rig Serv
1⁴⁵	8⁰⁰	6 1/4		Tear out B.O.P.s & Lay Down Tear out flow line & Clean Mud Tanks.
		8		

DRILLER: D. Lundell

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

DP ____ STANDS ____ FT.

DP ____ SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
9⁰⁰				Cut of casing Bowl + Run 10 Bags of Cement. Plug at top of casing Weld on cap, 4' riser + name plate. Rigging out. Cemented rat + mouse hole w/5 sxs ea. Rig released 12:00 Noon H Rath
	12⁰⁰	4		
12⁰⁰	4⁰⁰	4		
		8		

DRILLER: A. Lundell

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO. | CODE

BIT ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

I.D. ____ O.D. ____ X ____ FT.

DP ____ STANDS ____ FT.

DP ____ SINGLES ____ FT.

KELLY DOWN ____ FT.

TOTAL ____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS.	
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS

DRILLER:

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME	LOCATION	PROVINCE
Shell Sainville River	K-63	N.W.T

OPERATOR	CONTRACTOR	RIG NO.
Shell Canada Limited	Gustavson Artic Drlg	11

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
H. Kath	Jack McGuird

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
				10	Jan	22	72

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½"	14#	E	2⅞"	5¼"	4"FH	1	Nat	8P80	8½"
[illegible]	[illegible]		2⅞"		5"H90	2	Nat	8P80	8½"

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9⅝	36# K55	14	429'	15.21	429'	105 Nom 245 P.F.	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
41	TUBING TRIPS				
42	TREATING				
43	SWABBING				
44	TESTING				
45					
60	ABANDON	8	8	8	24
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIP. RENTAL	Boiler #1	8	8		
	Boiler #2	8	8		

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR: BIT; I.D. x O.D. (×8); DP STANDS; DP SINGLES; KELLY DOWN; TOTAL; WT. OF DC IN AIR; WT. OF STRING LBS.

BIT RECORD: BIT NO.; SIZE; MFG.; TYPE; JETS 1/32"; SERIAL NO.; DEPTH OUT; DEPTH IN; TOTAL FTG.; TOTAL HRS. RUN; BIT CONDITION 1/8" T/B/GAGE; REAMER CUTTER NO.; REAMER TYPE

MUD RECORD: TIME; WEIGHT; VIS.-SEC.; PV/YP; GELS.; W.L.-C.C.; PH; % SOLIDS; % SAND; MUD MATERIALS ADDED (TYPE, AMOUNT, TYPE, AMOUNT)

FOOTAGE FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	S.P.M.	PUMP NO. 2 LINER SIZE	S.P.M.	METHOD PUMPS RUN
					Plug #1 2592'-2470' 122'		70 SXS	Displaced w/ 136.78 BBLS						
					Plug #2 1470'-1230' 240'		175 SXS	"		w/ 133 BBLS				

DEVIATION RECORD DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12:00	12:15	¼		Finished in Open Ended.
12:15	12:30	¼		Serv Rig
12:30	1:45	1¼		Rig up & Run Plug #1
1:45	3:00	1¼		Hoist 12 STds & Run Plug #2
3:00	8:00	5		W.O.C Plug #2

DRILLER: C. Johnson

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR / BIT RECORD / MUD RECORD: (blank)

FOOTAGE FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	S.P.M.	PUMP NO. 2 LINER SIZE	S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8:00	10:00	2		W.O.C.
10:00	10:15	1/4		Run in feel Plug #2 @ 1116
10:15	11:15	1		Lay Down 35 singles
11:15				Run in 5 stands & 1 single & Run Plug #3.
	12:00	3/4		w/ 80 saxs of cement @ 480 - 380.
12:00	4:00	4		W.O.C.

DRILLER: D. Tindall

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR / BIT RECORD / MUD RECORD: (blank)

FOOTAGE FROM	TO	ROT. HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	S.P.M.	PUMP NO. 2 LINER SIZE	S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4:00	7:00	3		[illegible]
7:00				Run in to feel Plug #3 & Run in to soft
	7:30	½		cement at 480' soft cement on drill pipe
7:30	12:00	4½		W.O.C.

C. Broks — 4 hr. Overtime

DRILLER:

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Sainville River K-63

LOCATION: PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Path

CONTRACTOR: Gustavson Artic Drlg RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack Mc Leod

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
2592' TD				9	Jan	21	72

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14#	E	2 7/8"	5 1/4"	4" FH
6 3/4"	101#		2 7/8"		5" H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Nat	8 P 80	8 1/2"
2	Nat	8 P 80	8 1/2"

LAST CASING, TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
9 5/8"	36# K55	141	4229'	15.21	4244'	105 NEAT 245 PF	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	3/4	2	1 1/2	4 1/4
7	RIG SERVICE	1/4			1/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	[illegible] LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST		3 3/4	2	3 3/4
17	PLUG BACK				
18	SQUEEZE CEMENT		2		
19	STUCK OR FISHING		2 1/4	3/4	3
20	HANDLE TOOLS				
21	CONDITION MUD				
22	[illegible] CIRCULATION				
23	W/o Daylite	4 3/4			4 3/4
24	Make up tools	2 1/4			2 1/4
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON			3 3/4	3 3/4
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIPMENTAL	BOILER #1	8	8		
	Boiler #2	8	8		

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

BIT FT.

I.D. O.D. X FT. (×5)

DP STANDS FT.

DP SINGLES FT.

KELLY DOWN FT.

TOTAL FT.

WT. OF DC IN AIR LBS.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	
GELS	
W L - C C	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S P M	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	1215	1/4		Secure Rig, Checked BOP
1215	500	4 3/4		W/o Daylite & Picked 1-6 3/4 D.C.
500	715	2 1/4		Make up Test Tools
715	800	3/4		Measure D.C. & pipe & Running in Stand

8 HRS Overtime H. Haydon Working on Nodwell

DRILLER: E. Johnson

DAY TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S P M	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
800	1000	2		Run in w/ Dst #1, Head up Testing Head.
1000	145	3 3/4		Testing @ 1375'
145	400	2 1/4		Packer tight, work packers to pull loose

DST No. 1 1375 - 1420 TO. 5/60 SI. 60/90
RECOVERED 70' WC MUD (3800 ppm NaCl)
F.P. #8/56 SIP. 628/628 HP 645/645
BHT 78°F KRL.

DRILLER: D. Lindal

EVENING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S P M	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
400	445	3/4		Pull Packer Loose
445	615	1 1/2		Pull out
615	815	2		Rig out Test Tools & Put on Dalils
815	1200	3 3/4		Run in open end + pick up 21 Joints of Drill Pipe.
		8		C. Brooks worked thru over on Day Tour.

DRILLER: D. Lindal

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Sainville Rivex K-63

LOCATION: PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Kath

CONTRACTOR: Gustavson Artic Drlg

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
T.D.	2592			8	Jan	20	72

DP. / DC. SIZE	WT. / FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14#	E	2 7/16"	5 1/4"	4" FH	1	Nat.	8P80	8 1/2"
6 3/4"	101#		2 7/8"		5 1/2 REG	2	Nat.	8P80	8 1/2"

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8"	36# K55	14	429'	15.21	429'	105 Class G 245 PF	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING	3 1/2			
6	TRIPS	1 1/4			
7	RIG SERVICE	1/4			
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
	WIRE LINE LOG	3	8	5 3/4	
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS Logging			1/2	
21	CONDITION MUD				
	LOST CIRCULATION				
23	Load +				
24	Unload PLANE	1 3/4			
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				
	BOILER #1	8	8	8	
	Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

		I.D.	O.D.		
BIT					FT.
1	EC	2 7/16	6 3/4	4.00	FT.
1	XO	2 7/16	6 3/4	2.47	FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
21	DC	2 7/16	6 3/4	645.24	FT.
20	DP	STANDS			FT.
1	DP	SINGLES		1896.27	FT.
KELLY DOWN				42.93	FT.
TOTAL				2592.41	FT.
WT. OF DC IN AIR					LBS.
WT. OF STRING				88m	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

	12 AM	HRS	TIME
TIME			
WEIGHT	9.	9.0	
VIS.-SEC.	65	65	
PV / YP	/	/	
GELS	/	/	
W.L.-C.C.	7.8	7.8	
PH	9.0	9.0	
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2592	T.D.							550		6"	118			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	1215	1/4		Serv Rig & V BOP
1215	345	3 1/2		Circ & w/o Logging Hands
345	500	1 1/4		Hoist
500	800	3		Rig up & Logging
		8		

B. Russell 2hr Over Time

DRILLER: D. Johnson

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

		I.D.	O.D.		
BIT					FT.
1	EC	2 7/16	6 3/4	4.00	FT.
1	XO	2 7/16	6 3/4	2.47	FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
21	DC	2 7/16	6 3/4	645.24	FT.
20	DP	STANDS			FT.
1	DP	SINGLES		1896.27	FT.
KELLY DOWN				42.93	FT.
TOTAL				2592.41	FT.
WT. OF DC IN AIR					LBS.
WT. OF STRING				88m	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV / YP	Logging		
GELS	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

DAY TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2592	T.D.													

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
800	400	8		Logging by Schlumberger.
				Ran DILL (2" & 5" SCALE) 2586' - 431'
				BSCR-C (") 2586' - 0'
				MLC (5" SCALE) 2585' - 1152'
				CST RECOVERED 19/24
				SRS KRm

DRILLER: D. Lundell

DRILLING ASSEMBLY NO. / CODE AT END OF TOUR

		I.D.	O.D.		
BIT					FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
		I.D.	O.D. X		FT.
DP	STANDS				FT.
DP	SINGLES				FT.
KELLY DOWN					FT.
TOTAL					FT.
WT. OF DC IN AIR					LBS.
WT. OF STRING					LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME			
WEIGHT			
VIS.-SEC.			
PV / YP	/	/	/
GELS	/	/	/
W.L.-C.C.			
PH			
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

EVENING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2592	T.D.													

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
400	945	5 3/4		Logging
945	1015	1/2		Rig out Logger
1015	1200	1 3/4		Load Logging Tools on Plane +
				unloading Test Tools
		8		

C. Brooks Working over Slugs on day tour. 4hr.

DRILLER: A. Lundell

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Sainville River K-63

LOCATION: K-63 | PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H. Kath

CONTRACTOR: Gustavson Drlg (1964) Ltd

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE (MONTH / DAY / YEAR)
2592 T.D.	T.D.			7	Jan 19 72

DP. / DC. SIZE	WT. / FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14#	E	2 7/8"	5 1/4"	4"FH	1	Nat.	8P80	8 1/2"
6 3/4"	101#		2 7/8"	6 3/4"	5"H90	2	Nat.	8P80	8 1/2"

LAST CASING TUBING OR LINER: SIZE 9 5/8" | WT. AND GR. 36# K55 | NO. OF JOINTS 14 | FEET 429' | KB. TO CSG. HEAD 15.21 | SET AT 429' | CEMENT USED (SACKS) 105 Neat 245 P.F. | REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	~~CLEAN TO BOTTOM AND~~ CIRCULATING	6 1/2		7 3/4	
6	TRIPS	1 1/4	2 1/2		
7	RIG SERVICE	1/4		1/4	
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.	✓			
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD		5 1/2		
22	TEST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIP. RENTAL	BOILER #1	8	8	8	
	Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	EB		2 7/8	6 3/4	4.00 FT.
1	XO		2 7/8	6 3/4	2.47 FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
21	DC		2 7/8	6 3/4	645.24 FT.
20	DP	STANDS			FT.
1	DP	SINGLES			1896.87 FT.
		KELLY DOWN			42.93 FT.
		TOTAL			2592.41 FT.
		WT. OF DC IN AIR			58m LBS.
		WT. OF STRING			88m LBS.

BIT RECORD

BIT NO.	3RR
SIZE	8 3/4
MFG.	SEC
TYPE	H76
JETS 1/32"	CUT OUT
SERIAL NO.	908157
DEPTH OUT	
DEPTH IN	2592
TOTAL FTG.	CIRC
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	12 Mn	4AM	8AM
WEIGHT	T 9.1		
VIS.-SEC	R 60		
PV / YP	V /	/	/
GELS.	P /	/	/
W.L.-C.C.	8.6		
PH	8.5		
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Caustic	50#		
Gel	114 SX		
Benex	3 Bags		

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2592	T.D.							550		6"		6"		

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00	12 15	1/4		Finished out
12 15	12 30	1/4		Serv Rig Checked BOP & Blind Rams
12 30	1 30	1		Ran in
1 30	2 30	1		Clean out Fill From 2517' To 2592' - 75'
2 30	8 00	5 1/2		Circ & Condemud. Build Volume
		8		

H HAS overtime For H. Haydon on daylite Tour

DRILLER: E. Johnson

DAY TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	EB		2 7/8	6 3/4	4.00 FT.
1	XO		2 7/8	6 3/4	2.49 FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
21	DC		2 7/8	6 3/4	645.24 FT.
20	DP	STANDS			FT.
1	DP	SINGLES			1896.87 FT.
		KELLY DOWN			42.93 FT.
		TOTAL			2592.41 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			88m LBS.

BIT RECORD

BIT NO.	3RR
SIZE	8 3/4
MFG.	SEC
TYPE	H76
JETS 1/32"	CUT OUT
SERIAL NO.	908157
DEPTH OUT	
DEPTH IN	2592
TOTAL FTG.	CIR
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	8 00	11 00	3 00
WEIGHT	9.1	9.1	9.0
VIS.-SEC	55	55	60
PV / YP	/	/	/
GELS	/	/	/
W.L.-C.C.	8.8	8.9	9.0
PH	9.5	9.5	9.0
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	30 SAX		
Caustic	1 SAX		
BENEX	6 SAX		
CMC	1 SAX		

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2592	TD	—	—			20	—	550		5 1/2	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8 00	8 30	1/2		C.I.R. & Con Mud.
8 30	10 00	1 1/2		Dummy Trip 15 Stands & CLEAN 20' Fill.
10 00	1 00	3		CIR & Cond Mud.
1 00	2 00	1		Dummy Trip 15 Stands & CLEAN 5' Fill
2 00	4 00	2		CIR & Cond Mud

B. Russell — 6hr. Overtime

DRILLER: D. Lindall

EVENING TOUR

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	EB		2 7/8	6 3/4	4.00 FT.
1	XO		2 7/8	6 3/4	2.47 FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
		I.D. X O.D.			FT.
21	DC		2 7/8	6 3/4	645.24 FT.
20	DP	STANDS			FT.
1	DP	SINGLES			1896.87 FT.
		KELLY DOWN			42.93 FT.
		TOTAL			2592.41 FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			88m LBS.

BIT RECORD

BIT NO.	3 RR
SIZE	8 3/4
MFG.	SEC
TYPE	H76
JETS 1/32"	CUT OUT
SERIAL NO.	908157
DEPTH OUT	
DEPTH IN	2592
TOTAL FTG.	CIRC
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	4 00	8 00	11 00
WEIGHT	9.0	9.0	9.0
VIS.-SEC	85	65	75
PV / YP	/	/	/
GELS.	/	/	/
W.L.-C.C.	8.2	8.2	8.4
PH	9.5	9.5	9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL		10 SKS.	
BENEX		2 SKS.	

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2592	T.D.	—	—											

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
H 00	H 15	1/4		RIG SERV.
H 15	12 00	7 3/4		CIRC. + CON MUD.
		8		

C. BROKS WORKED 4 HOURS OVER SHORT HANDED ON ~~NIGHT~~ DAY TOUR.

C. Broks — 4hr. Overtime

DRILLER: D. Lindall

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Sainville River

LOCATION: K-63

PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H. Lall

CONTRACTOR: Gustavson Drlg (1964 Ltd)

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McQuaid

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
2039	2592	553	62 467	6	Jan	18	72

DP./ DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14#	E	2 7/8"	5 1/4"	4" FH
6 3/4"	101#		2 7/8"		5" H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
#1	Nat.	8P80	8 1/2"
2	Nat	8P80	8 1/2"

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8	36# K55	14	429'	15.21	429'	105 Neat 245 RFC	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	6 1/4	11 1/2	2	
3	REAMING				
4	CORING				
5	~~CLEANING MUD FLOW AND~~ CIRCULATING			3	
6	TRIPS			2 1/2	
7	RIG SERVICE	1/4	1/4	1/4	
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/2	1/4	1/4	
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIP. RENTAL	BOILER #1	8	8	8	
	Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)
2	TORQUE ON BOTTOM (DP TURNS)
3	FILL ON BOTTOM (FEET)

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	E	6	2 7/8	6 3/4	4.00 FT.
1	XO	2	2 7/8	6 3/4	2.47 FT.
		I.D. X	O.D.		FT.
		I.D. X	O.D.		FT.
		I.D. X	O.D.		FT.
		I.D. X	O.D.		FT.
21	DC	2 7/8	6 3/4		645.24 FT.
17	DP	STANDS			1585.29 FT.
	DP	SINGLES			FT.
KELLY DOWN					15.00 FT.
TOTAL					2252 FT.
WT. OF DC IN AIR					LBS.
WT. OF STRING					85m LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4"
MFG.	Reed
TYPE	FGTJ
JETS 1/32"	10 10 H
SERIAL NO.	666701
DEPTH OUT	
DEPTH IN	1410
TOTAL FTG.	842
TOTAL HRS. RUN	18 1/4
BIT CONDITION 1/ 8" T/B/GAGE	Drlg
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

	12 AM	4 AM	8 AM
TIME			
WEIGHT	9.1	9.1	9.1
VIS.-SEC.	36	38	HO
PV/YP	/	/	/
GELS.	/	/	/
W.L.-C.C.	10.4	9.	8.
PH	9.5	9.5	9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	8-100 SACKS		
BEREX	2-2 1/2 SACKS		
CMC	1-50 SACK		

MORNING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2039	2252	6 1/4	213		Lost Apx 80 BBLS To Formation @ 2100'	50	35	2150		6"	120	6"		

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	2092'	2 1/4°		2218'	3°				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00	12 30	1/2		Repair 2" Cameron Valve on Kill Line
12 30	12 45	1/4		Serv Rig & Checked BOP
12 45	2 15	1 1/2		Drlg 8 3/4" Hole
2 15	2 30	1/4		Survey
2 30	6 00	3 1/2		Drlg 7 30 8 00 1/2 Hr Repair Union on mud line
6 00	6 15	1/4		Survey
6 15	7 30	1 1/4		Drlg

DRILLER: G. Johnson

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	FT.
		BIT			FT.
1	E	6	2 7/8	6 3/4	4.00 FT.
1	XO	2	2 7/8	6 3/4	2.47 FT.
		I.D. X	O.D.		FT.
		I.D. X	O.D.		FT.
		I.D. X	O.D.		FT.
		I.D. X	O.D.		FT.
21	DC	2 7/8	6 3/4		645.24 FT.
29	DP	STANDS			FT.
2	DP	SINGLES			1834.57 FT.
KELLY DOWN					42.93 FT.
TOTAL					2529.21 FT.
WT. OF DC IN AIR					LBS.
WT. OF STRING					86m LBS.

BIT RECORD

BIT NO.	2
SIZE	8 3/4
MFG.	Reed
TYPE	FGTJ
JETS 1/32"	11 10 10
SERIAL NO.	666701
DEPTH OUT	
DEPTH IN	1410
TOTAL FTG.	1119
TOTAL HRS. RUN	25 3/4
BIT CONDITION 1/ 8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

	8:00 AM	12 00
TIME		
WEIGHT	9.2	9.2
VIS.-SEC.	45	52
PV/YP	13/6	/
GELS	2/4	/
W.L.-C.C	7.2	8.0
PH	9.5	9.0
2% SOLIDS	40 ppm	
Cl= SAND	500 ppm	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL			
Caustic			

DAY TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2252	2529	7 3/4	277			50	30	2100		5 1/2	120			

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	2329	4 3/4							

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8 00	8 15	1/4		R.g Ser. & BOPs.
8 15	11 45	3 1/2		Drlg 8 3/4 Hole.
11 45	12 00	1/4		Survey
12 00	4 00	4		Drlg 8 3/4 Hole.
		8.		

4 HRS overtime For E. Outhouse Crew short Handed

DRILLER: Dale Tindell

EVENING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL. (CFM.)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2529	2592	2	63											

DEVIATION RECORD	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
	2485'	3°		3592	4°				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4 00	4 30	1/2		SURVEY & RIG SERV. BOPS
4 30	6 30	2		DRLG 8 3/4 HOLE
6 30	9 30	3		CIRC.
9 30	12 00	2 1/2		TRIP OUT

DRILLER: A. Lundle

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Sainville River.

LOCATION: K-63

PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H. Katz

CONTRACTOR: Gustavson (1964 Ltd)

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack McLeod

RIG NO.: 11

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14#	E	2 7/8"	5 1/4"	4" FH
6 3/4"	101#		2 7/8"	6 3/4"	5" H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Nat	8P80	8 1/2"
2	"	8P80	8 1/2"

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
1300'	2039	739	46 2'	5	Jan	17	72

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)
9 5/8"	36# K55	14	429'	15.21	429'	105 Norm 2% CC

REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL	3 3/4	6 3/4	5 1/4	
3	REAMING		1/2		
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS	2 3/4			
7	RIG SERVICE	1/4	1/4	1/4	
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY	1/2	1/2	1	
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION				
23	Clean out Fill	3/4			
24	A.E.T.R. GYRO SURVEY 13 MRKR			1	
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				

CONTRACTOR EQUIPMENT RENTAL

Boiler #1	8	8	8	
Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	65'

DRILLING ASSEMBLY NO. | CODE AT END OF TOUR

		I.D.	O.D.		
BIT					FT.
1	EB	2 7/8	6 3/4	4.00	FT.
[illegible]					FT.
1	XO	2 7/8	4 7/8	2.47	FT.
		I.D.	O.D.		
		X			FT.
		I.D.	O.D.		
		X			FT.
		I.D.	O.D.		
		X			FT.
21	DC	2 7/8	6 3/4	645.24	FT.
8	DP	STANDS		745.71	FT.
	DP	SINGLES			FT.
KELLY DOWN				13.00	FT.
TOTAL				1410.42	FT.
WT. OF DC IN AIR				58 M	LBS.
WT. OF STRING				75 M	LBS.

BIT RECORD

BIT NO.	1	2
SIZE	8 3/4"	8 3/4
MFG.	Reed	Reed
TYPE	S13J3	FCTJ
JETS 1/32"	10 10 11	10 10 11
SERIAL NO.	766787	
DEPTH OUT	1410	
DEPTH IN	429	1410
TOTAL FTG.	981	
TOTAL HRS. RUN	15 3/4	
BIT CONDITION 1/8" T/B/GAGE	8 3 1	
REAMER CUTTER NO.		
REAMER TYPE		

MUD RECORD

TIME	MID. 12.00	11:AM	
WEIGHT	8.8	8.8	
VIS.-SEC.	38	35	
PV/YP	/	/	/
GELS	/	/	/
W.L.-C.C	7.8	7.8	
PH	10	9.5	
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S P M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M	METHOD PUMPS RUN
1300	1410	3 3/4	110'			75 40	40	2000		6"	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
1328	3/4°	[illegible]	1490	1°				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	1230	1/2		Serv Rig √ BOP & Survey
1230	415	3 3/4		Drlg
415	430	1/4		Survey
430	715	2 3/4		Trip for Bit #2
715	800	3/4		Clean out Fill From 1345' To 1405'

B. Russell - 1hr Overtime

DRILLER: E. Gustavson

DAY TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S P M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M	METHOD PUMPS RUN
1410	1783	6 3/4	373			50	50/25	2100		5 1/2	120			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
1584	3 1/2°	11	1677	3 1/2°				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
800	815	1/4		Rig Ser √ BOPs.
815	845	1/2		Ream 5' To Bottom
845	1215	3 1/2		Drlg 8 3/4 Hole.
1215	1230	1/4		Survy @ 1584
1230	200	1 1/2		Drlg 8 3/4
200	215	1/4		Survy @ 1677
215	400	1 3/4		Drlg 8 3/4

DRILLER: D. Lindell

EVENING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1782		5 1/4												

R. Langlois - 4hr Overtime

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
1771	2 1/2	1970	3/4					

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
400	430	1/2		DRLG.
430	500	1/2		Rig Serv & Survey Check Motor Shut Offs
500	530	1/2		DRLG
530	600	1/2		Repair Recorder Line
600	930	3 1/2		DRLG
930	1000	1/2		Survey
1000	1100	1		DRLG
1100	1200	1		Retrieve Survey Barrel
				DRLG

DRILLER: R. Langlois

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME		
Shell sainville River		
LOCATION	PROVINCE	
K-63	N.W.T	

OPERATOR	CONTRACTOR	RIG NO.	DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
Shell Canada Limited	Gustavson Drlg (1964 Ltd)	11	429'	1300	871	30 3/4 Hours	4	Jan	16	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H. Keith
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J. McNeil

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14#	E	2 7/8"	5 1/4"	4" FH	1	Nat.	8P80	8 1/2"
6 3/4"	101#		2 7/8"		5" H90	2	Nat.	8P80	8 1/2"

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	9 5/8"	36# K55	14	429'	15.21	429'	105 No1 245 PF	

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL		5 1/4	6 3/4	
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE		1/4	1/4	
8	RIG REPAIR (rig up desilter)		1 1/2		
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY		1/4	1	
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.	4 1/2			
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION (Clean Tanks)				
23	(Displace Hole)		3/4		
24	(Drlg plug)	3 1/2			
40	PERFORATE				
41	TUBING TRIPS				
42	TREATING				
43	SWABBING				
44	TESTING				
45					
60	ABANDON				
70	STANDBY		-		
	TOTALS	8	8	8	
	HOURS FOR SHELL ACCOUNT				
	Boiler #1	8	8	8	
	Boiler #2	8	8	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

Drilling Assembly at End of Tour

NO	CODE	BIT	I.D.	O.D.	FT.
1	SS		2 1/4	6 3/4	8.55
1	BS		2 7/8	6 3/4	4.00
1	LO		2 5/8	5 3/4	2.47
13	DC		2 7/8	6 3/4	401.09
	DP	STANDS			
	DP	SINGLES			
	KELLY DOWN				12.00
	TOTAL				428.11
	WT. OF DC IN AIR				48M LBS.
	WT. OF STRING				Same LBS.

Bit Record

BIT NO.	1
SIZE	8 3/4"
MFG.	Reed
TYPE	ST3AJ
JETS 1/32"	10 10 11
SERIAL NO	761987
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	Drlg out Plug & Cement
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

Footage

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION
429					Top of Plug @ 394'

DEVIATION RECORD: —

Time Log

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	430	4 1/2		Rig up Degasser Lines & Hook up Desilter / Hook up Flare Lines To manifold
430	800	3 1/2		Drlg out Float & Cement To 428 & Float Shoe
		8		

C. Greff – 4 hr. Overtime

DRILLER: E. Johnson

DAY TOUR

Drilling Assembly at End of Tour

NO	CODE	BIT	I.D.	O.D.	FT.
1	SS		2 1/4	6 3/4	8.55
1	BS		2 7/8	6 3/4	4.00
1	LO		2 7/8	5 3/4	2.47
21	DC		2 7/8	6 3/4	645.24
1	DP	STANDS			92.96
	DP	SINGLES			
	KELLY DOWN				42.93
	TOTAL				796.05
	WT. OF DC IN AIR				[illegible] LBS.
	WT. OF STRING				56M LBS.

Bit Record

BIT NO.	1
SIZE	8 3/4
MFG.	REED
TYPE	ST3AJ
JETS 1/32"	11 10 10
SERIAL NO.	761987
DEPTH OUT	
DEPTH IN	429
TOTAL FTG.	367
TOTAL HRS. RUN	5 1/4
BIT CONDITION 1/8" T/B/GAGE	Drlg

Mud Record

TIME	10 AM	2:00 PM		
WEIGHT	8.9	9.2		
VIS.-SEC	37	33		
PV/YP	14/6			
GELS	2/4			
W.L.-CC	6.4			
PH	9.5			
Cl. (% SOLIDS)	900 ppm			
Ca. (% SAND)	160 ppm			

Footage

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION	ROTARY RPM	WT. ON BIT (1000#)	PUMP PRESS	AIR VOL	PUMP NO 1 LINER SIZE	S.P.M.	PUMP NO 2 LINER SIZE	S.P.M.	METHOD PUMPS RUN
429	796	5 1/4	367			100	10-25	200		5 1/2	100			

Deviation Record

DEPTH	DEVIATION°	DIRECTION
671	1/2°	

Time Log

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
800	815	1/4		Rig Ser. B. Russell – 5 hr. Overtime
815	830	1/4		Drlg 8 3/4 Hole
830	915	3/4		Clean Tanks & Displace Hole.
915	1230	3 1/4		Drlg 8 3/4 Hole
1230	1245	1/4		Survey
1245	230	1 3/4		Drlg 8 3/4 Hole
230	400	1 1/2		unplug Desilter & start.

DRILLER: D. Tindall

EVENING TOUR

Drilling Assembly at End of Tour

NO	CODE	BIT	I.D.	O.D.	FT.
1	SS		2 1/4	6 3/4	8.55
1	BS		2 7/8	6 3/4	4.00
1	LO		2 7/8	5 1/2	2.47
21			2 7/8	6 3/4	645.24
6	DP	STANDS			
2	DP	SINGLES			621.34
	KELLY DOWN				
	TOTAL				1300.09
	WT. OF DC IN AIR				LBS.
	WT. OF STRING				80,000 LBS.

Bit Record

BIT NO.	1
SIZE	8 3/4
MFG.	REED
TYPE	ST3AJ
JETS 1/32"	11 10 10
SERIAL NO.	761987
DEPTH OUT	
DEPTH IN	429
TOTAL FTG.	871
TOTAL HRS. RUN	12
BIT CONDITION 1/8" T/B/GAGE	1 W

Mud Record

TIME	4:00	7:00 PM	10:00
WEIGHT	9.1	9.0	9.0
VIS.-SEC	39	33	35
PV/YP		13/6	
GELS		2/4	
W.L.-CC	5.8	5.8	7.6
PH	10.	9.5	9.5
Cl. (% SOLIDS)		500 ppm	
Ca. (% SAND)		60 ppm	

MUD MATERIALS ADDED

TYPE	AMOUNT
Gel	15 sax
Benex	5 sax
Caustic	1 sac

Footage

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION	ROTARY RPM	WT. ON BIT (1000#)	PUMP PRESS	AIR VOL	PUMP NO 1 LINER SIZE	S.P.M.	PUMP NO 2 LINER SIZE	S.P.M.	METHOD PUMPS RUN
796	1300	6 3/4				90	35	2000		6"	110			

Deviation Record

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
890	1/2°		1106	1/2°	

Time Log

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
400	415	1/4		Rig Ser.
415	515	1		DRLG. 8 3/4 HOLE
515	545	1/2		SURVEY
545	845	3		DRLG. 8 3/4 HOLE
845	915	1/2		SURVEY
915	1200	2 3/4		

B. Wood – 1 hr. Overtime
R. Langlois – 4 hr. Overtime

DRILLER: A. Lundle

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: Shell Sainville Rivex K-63

LOCATION: K-63

PROVINCE: N.W.T

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Lath

CONTRACTOR: Gustafson Drlg (1964) Ltd

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack Mc Kinnel

RIG NO.: 11

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
429				3	Jan	15	72

DP./DC. SIZE	WT./FT.	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD
4"	14#	E	2 7/8"	5 1/2"	4" FH
6 3/4"	lot #		2 7/8"	6 3/4"	5" H90

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Nat	8P80	8 1/2"
2	"	8P80	8 1/2"

LAST CASING TUBING OR LINER

SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)
9 5/8	36# K55	14	429'		429'	105 Nor. 245 PF.

REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.	8	7	6	21
15	TEST B.O.P.		1	2	3
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT				

CONTRACTOR EQUIP. RENTAL

BOILER #1	8	
Boiler #2	8	

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY NO. | CODE | AT END OF TOUR

BIT ____ FT.

	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
DP	STANDS		____ FT.
DP	SINGLES		____ FT.
KELLY DOWN			____ FT.
TOTAL			____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/ / /
GELS.	/ / /
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
429'														

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12 00				
	8 00	8		Nippling up Lay Flare Lines make up line to manifold & Welding Sawi

DRILLER: A Johnson

DRILLING ASSEMBLY NO. | CODE | AT END OF TOUR

BIT ____ FT.

	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
	I.D.	O.D.	X ____ FT.
DP	STANDS		____ FT.
DP	SINGLES		____ FT.
KELLY DOWN			____ FT.
TOTAL			____ FT.

WT. OF DC IN AIR ____ LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	11 00	1 00 PM
WEIGHT	93	85
VIS.-SEC.	37	38
PV/YP	/	/
GELS	/	/
W.L.-C.C.	18.	13
PH	9.5	9.5
% SOLIDS		
% SAND		

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

DAY TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8 00				
	4 00	8		Nipple up & Mix Mud. Repair Leaks & Pressure up Blind Rams to 1500# o.k.

DRILLER: A Lundall

DRILLING ASSEMBLY NO. | CODE | AT END OF TOUR

BIT ____ FT.

1	SRS	I.D.	X 6 3/4 12.50 FT.
1	46	I.D.	X 6 3/4 2417 FT.
		I.D.	O.D. X ____ FT.
		I.D.	O.D. X ____ FT.
		I.D.	O.D. X ____ FT.
		I.D.	O.D. X ____ FT.
12	4 1/2	I.D.	X 6 3/4 396.93 FT.
DP	STANDS		____ FT.
DP	SINGLES		____ FT.
KELLY DOWN			____ FT.
TOTAL			438.43 FT.

WT. OF DC IN AIR 41.50 LBS.

WT. OF STRING ____ LBS.

BIT RECORD

BIT NO.	1
SIZE	9 3/4
MFG.	REED
TYPE	ST3AJ
JETS 1/32"	3/16 X 11
SERIAL NO.	761989
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME	
WEIGHT	
VIS.-SEC.	
PV/YP	/
GELS	/
W.L.-C.C.	
PH	
% SOLIDS	
% SAND	

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

EVENING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4 00				GET FLOOR READY TO RUN COLLARS
				PICK UP SHOK SUB + BIT SUB. RUN COLLARS IN
	8 00	H 00		BREAK CIRC TO PRESSURE UP B.O.P.
8 00	9 00	1		PRESSURE UP B.O.P.'S
9 00	12 00	3 00		FINISH RUNNING IN COLLARS + HOOK UP
				FLARE LINES. TESTED PIPE RAMS TO 1150 PSI,
				HYDRIL + LOWER KELLY COCK TO 1000 PSI, HELD OK. UPPER KELLY COCK LEAKS.

DRILLER: A Lundall

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL SAINVILLE RIVER

LOCATION: K-63 | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. Keith

CONTRACTOR: GUSTAVSON DRLG (1964) LTD | RIG NO.: 11

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack M Lindsay

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
429	429	0		2	JAN	14	1972

DP. / DC. SIZE	WT. / FT	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4"	14#	E	2 7/8	5	4" F.H	1	NAT	8-P-80	8½
4 1/2 OPT	10.1		2 7/8	6 3/4	5-H-90	2	NAT	8-P-80	8½

LAST CASING TUBING OR LINER: SIZE 9 5/8 | WT. AND GR. | NO. OF JOINTS | FEET 429 | KB. TO CSG. HEAD | SET AT | CEMENT USED (SACKS) | REMARKS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN				
2	DRILLING ACTUAL				
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING	½			½
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY				
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT	3			3
13	WAIT ON CEMENT	4½	8	3	15½
14	NIPPLE UP B.O.P.			5	5
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
	LOST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT				
CONTRACTOR EQUIPMENT	BOILER #1	8	8	8	24
	BOILER #2	8	8	8	24

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.	
		BIT	X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
			X		FT.
		DP STANDS			FT.
		DP SINGLES			FT.
		KELLY DOWN			FT.
		TOTAL			FT.
		WT. OF DC IN AIR			LBS.
		WT. OF STRING			LBS.

BIT RECORD

BIT NO. | SIZE | MFG. | TYPE | JETS 1/32" | SERIAL NO. | DEPTH OUT | DEPTH IN | TOTAL FTG. | TOTAL HRS. RUN | BIT CONDITION 1/8" T/B/GAGE | REAMER CUTTER NO. | REAMER TYPE

MUD RECORD

TIME | WEIGHT | VIS.-SEC | PV/YP | GELS | W.L.-C.C | PH | % SOLIDS | % SAND

MUD MATERIALS ADDED: TYPE | AMOUNT | TYPE | AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S P M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S P M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.00	2.00	2		RUN CASING
2.00	2.30	½		CIRCULATE + CLEAN BOTTOM
2.30	3.30	1		RUN CEMENT + PUMP DOWN PLUG
3.30	8.00	4½		DIG CELLAR CLEAN UP CASING EQUIPMENT + CLEAN MUD TANKS

DRILLER: A. Lowrie

DAY TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S P M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S P M	METHOD PUMPS RUN
429'														

DEVIATION RECORD: DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	4.00	8		W.O.C Dig Cellar Cut off Conductor pipe & Casing Layed Down Hydrill. Clean up & heat Casing Bank To Weld Put up Pretab House over manifold. 1 Hr overTime E. Johnson H. Haydon C. Greff

DRILLER: E. Johnson

EVENING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R P M	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S P M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S P M	METHOD PUMPS RUN
429														

DEVIATION RECORD: DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION | DEPTH | DEVIATION° | DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	7.00	3		Weld on Csg Bowl Pres. Up same 2000 PSI.
7.00	12.00	5		Nipple up BOPs.
		8		D. Tindall B. Woods, S. Webdale, B. McDonald V. Daval. 4 hrs overtime Running Csg & Running Cement.

DRILLER: D. Tindall

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME	LOCATION	PROVINCE
SHELL SAINVILLE RIVER	K-63	N.W.T.

OPERATOR	CONTRACTOR	RIG NO.	DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
Shell Canada Limited	GUSTAVSON DRLG (1964) LTD	11	146	429	283		:	JAN	13	1972

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H. Roth
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

DP / DC. SIZE	WT / FT	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	14#	E	2 7/8	5"	4F-H	1	NAT	8P80	8 1/2
4 1/2	10 1/2#		2 7/8	6 3/4	5-H90	2	NAT	8P80	8 1/2

LAST CASING TUBING OR LINER	SIZE	WT. AND GR.	NO. OF JOINTS	FEET	KB. TO CSG. HEAD	SET AT	CEMENT USED (SACKS)	REMARKS
	20"	K-55	2	40		40	105	

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP To Csg / TEAR DOWN			1	1
2	DRILLING ACTUAL	6 1/2	6	2 1/2	15
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING			1/2	1/2
6	TRIPS			2	2
7	RIG SERVICE	1/4	1/4	1/4	3/4
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY		1/2	1/4	3/4
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT			1 1/2	1 1/2
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	LOST CIRCULATION	1 1/4	1 1/4		2 1/2
23					
24					
40	PERFORATE				
41	TUBING TRIPS				
42	TREATING				
43	SWABBING				
44	TESTING				
45					
60	ABANDON				
70	STANDBY				
	TOTALS	8	8	8	24
	HOURS FOR SHELL ACCOUNT				
	BOILER #1	8	8		
	BOILER #2	8	8		

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

MORNING TOUR

Drilling Assembly at End of Tour

NO	BIT	FT.
1	BS 2 7/8 x 6 3/4	3.97
1	CO 2 7/8 x 6 3/4	2.51
1	CO 2 7/8 x 6 3/4	2.11
1	CO 2 7/8 x 6 3/4	2.20
6	DC 2 7/8 x 6 3/4	246.60
	KELLY DOWN	210.20
	TOTAL	
	WT. OF DC IN AIR	32 M LBS.
	WT. OF STRING	" LBS

Bit Record

BIT NO	1
SIZE	12 1/4
MFG.	
TYPE	STIAGT
JETS 1/32"	13 13 13
SERIAL NO	862458
DEPTH OUT	
DEPTH IN	0
TOTAL FTG.	210
TOTAL HRS RUN	10 1/4
BIT CONDITION 1/8" T/B/GAGE	1M
REAMER CUTTER NO.	
REAMER TYPE	

Mud Record

TIME	12:00	4:00	8:00
WEIGHT			
VIS.-SEC.	50	45	42
PV/YP	/	/	/
GELS	/	/	/
WL-CC			
PH	9.5	9.5	9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT
GEL	50 SACKS
BEN-EX	5 "
SAWDUST	5 "

Footage

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO 1 LINER SIZE	S P M	PUMP NO 2 LINER SIZE	S P M	METHOD PUMPS RUN
146	210	6 1/2	64		LOST APPR 200 BBLS INTO FORMATION	80-120	10 M	650		6	170			

Deviation Record

DEPTH	DEVIATION°	DIRECTION
146	0	

Time Log

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12.	12.15	1/4		RIG SERV CHECK HYDRIL
12.15	6.45	6 1/2		DRLG
6.45	8.00	1 1/4		MIX MUD + SAWDUST FOR LOST CIRCULATION.

4 HRS OVERTIME A. EWASIUK L. SCOTT R. BERG F. KRIEGER
BRING IN POWER TONGS + TOOLS + SPOT + HOOK UP STEAM TO HALIBURTON UNITS

DRILLER: A. Ewasiuk

DAY TOUR

Drilling Assembly at End of Tour

NO	BIT	FT.
1	BS 2 7/8 x 9"	3.97
1	C/O 2 7/8 x 9"	2.51
1	C/O 2 7/8 x 6 3/4	2.11
1	C/O 2 7/8 x 5 1/4	2.20
9	DC 2 7/8 x 6 3/4	281.73
	KELLY DOWN	40.83
	TOTAL	333.35
	WT. OF DC IN AIR	42 M LBS.
	WT. OF STRING	42 M LBS.

Bit Record

BIT NO	1A
SIZE	12 1/4
MFG.	Reed
TYPE	ST1AGT
JETS 1/32"	13 13 13
SERIAL NO.	862458
DEPTH OUT	
DEPTH IN	0
TOTAL FTG.	333
TOTAL HRS. RUN	16 1/4
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO	
REAMER TYPE	

Mud Record

TIME	8:00	12:00	4:00
WEIGHT	9.1	9.1	9.1
VIS.-SEC.	50	80	65
PV/YP	/	/	/
GELS	/	/	/
WL-CC			
PH	8.5	8.5	10.
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
CASTIC	1 SAC.		50 LB.
GEL	36 BAGS		100 LB.

Footage

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO 1 LINER SIZE	S P M	PUMP NO 2 LINER SIZE	S P M	METHOD PUMPS RUN
210	333	6	123'		Lost 45 BBLS of mud To Formation	120	6-10	1050		6"	140	6"	140	C

4 HRS overtime E. Johnson C. Greff H. Haydon F. Cameron E. DuBoise (Rigging up)

Deviation Record

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
240'	3/4		302'	1/2	

Time Log

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8.00	8.15	1/4		Serv Rig + Hydrill
8.15	9.30	1 1/4		~~Drlg~~ mix mud & Build Volume
9.30	11.00	1 1/2		Drlg
11.00	11.15	1/4		Survey
11.15	2.45	3 1/2		Drlg 12 1/4" Hole
2.45	3.00	1/4		Survey
3.00	4.00	1		Drlg

DRILLER: E. Johnson

EVENING TOUR

Drilling Assembly at End of Tour

NO	BIT	FT.
#1	BIT	1.00
1	BS 2 7/8 x 9	3.97
1	XO 2 7/8 x 9	2.51
1	XO 2 7/8 x 6 3/4	2.11
1	XO 2 7/8 x 5 1/4	2.20
13	DC 2 7/8 x 6 3/4	396.55
	KELLY DOWN	21.00
	TOTAL	429.34
	WT. OF DC IN AIR	
	WT. OF STRING	45 M LBS.

Bit Record

BIT NO.	1A
SIZE	12 1/4
MFG.	REED
TYPE	ST1AGT
JETS 1/32"	13 13 13
SERIAL NO.	862458
DEPTH OUT	429
DEPTH IN	0
TOTAL FTG.	429
TOTAL HRS. RUN	18 3/4
BIT CONDITION 1/8" T/B/GAGE	2 2 0
REAMER CUTTER NO.	
REAMER TYPE	

Mud Record

TIME	4:00	8:00	12:00
WEIGHT	9.1	9.2	9.2
VIS.-SEC.	65	120	120
PV/YP	/	/	/
GELS	/	/	/
WL-CC			
PH	10.	9.5	9.5
% SOLIDS			
% SAND			

MUD MATERIALS ADDED

TYPE	AMOUNT
GEL	6 SAC
BENEX	1 SAC

Footage

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO 1 LINER SIZE	S P M	PUMP NO 2 LINER SIZE	S P M	METHOD PUMPS RUN
333	429	2 1/2				120	8-10	1200		5 1/2	150	5 1/2	150	Comp

Deviation Record

DEPTH	DEVIATION°	DIRECTION

Time Log

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
4.00	4.15	1/4		Rig Serv.
4.15	6.15	2		Drlg 12 1/4 Surface Hole.
6.15	6.30	1/4		Survy — 9.30-10.30 - Rig to Run Csg.
6.30	7.30	1		Dummy Trip (SLM) — 10.30-12.00 - Break Collar Off
7.30	8.00	1/2		Drlg — csg & Put on float & Shoe
8.00	8.30	1/2		Circ To Con Hole. — & Run Csg.
8.30	9.30	1		Pull out To Run Csg.

DRILLER: D. Tindall

D. Tindall, B. Woods, S. Websdale, B. Dreer 4 hrs overtime Set Csg equip gathering B. McDowell 8 hrs

CP-38 (10/69)

DAILY DRILLING REPORT

WELL NAME: SHELL SAINEVILLE RIVER K-63

LOCATION: K-63 | PROVINCE: N.W.T.

OPERATOR: Shell Canada Limited | CONTRACTOR: GUSTAVSON DRLG | RIG NO.: 11

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H. Kath | SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Jack M Linck

DEPTH AT START OF MORNING TOUR	DEPTH AT END OF EVENING TOUR	DAILY PROGRESS	CUMULATIVE ROTATING HOURS	DAYS FROM SPUD	DATE MONTH	DAY	YEAR
			3¾		JAN	12	1972

DP./DC. SIZE	WT./FT	GRADE	MIN. I.D.	TOOL JT O.D.	TYPE THREAD	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½"	14#	E				1	NAT	PP-80	8½
						2	NAT	PP-80	8½

LAST CASING TUBING OR LINER: SIZE 20" | WT. AND GR. 53# | NO. OF JOINTS 2 | FEET 42 | K.B. TO CSG. HEAD | SET AT 42 | CEMENT USED (SACKS) 105 SASK. | REMARKS: CON BBL.

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.	TOTAL
1	RIG UP TEAR DOWN		12	8	
2	DRILLING ACTUAL			3¾	
3	REAMING				
4	CORING				
5	CLEAN TO BOTTOM AND CIRCULATING				
6	TRIPS				
7	RIG SERVICE				
8	RIG REPAIR				
9	CUT AND/OR SLIP LINE				
10	DEVIATION SURVEY			1/4	
11	WIRE LINE LOG				
12	RUN CASING AND CEMENT				
13	WAIT ON CEMENT				
14	NIPPLE UP B.O.P.				
15	TEST B.O.P.				
16	DRILL STEM TEST				
17	PLUG BACK				
18	SQUEEZE CEMENT				
19	STUCK OR FISHING				
20	HANDLE TOOLS				
21	CONDITION MUD				
22	TEST CIRCULATION				
23					
24					
COMPLETION 40	PERFORATE				
COMPLETION 41	TUBING TRIPS				
COMPLETION 42	TREATING				
COMPLETION 43	SWABBING				
COMPLETION 44	TESTING				
COMPLETION 45					
60	ABANDON				
70	STANDBY				
	TOTALS		12	12	
	HOURS FOR SHELL ACCOUNT				
BOILER CONNECTOR	BOILER #1	8	8	8	24
	#2	8	8	8	24

HOLE CONDITION

1	HOLE DRAG (1000#)	
2	TORQUE ON BOTTOM (DP TURNS)	
3	FILL ON BOTTOM (FEET)	

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				FT.
					X	FT.
					X	FT.
					X	FT.
					X	FT.
					X	FT.
					X	FT.
		DP STANDS				FT.
		DP SINGLES				FT.
		KELLY DOWN				FT.
		TOTAL				FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SERIAL NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VIS.-SEC				
PV/YP	/	/	/	
GELS	/	/	/	
W L-C C				
PH				
% SOLIDS				
% SAND				

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

MORNING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DP-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
				WORK ON HYDRIL FLOW LINE LAY + MAKE UP FLARE LINES.

DRILLER: A. Ewoser

DRILLING ASSEMBLY AT END OF TOUR

NO.	CODE		I.D.	O.D.		FT.
		BIT				1.60 FT.
85			2⅞	9"		3.97 FT.
Sub	C/O		2¾	9"		2.51 FT.
Sub	C/O		2¾	6¼		2.11 FT.
Sub	C/O		2"	5¾		2.20 FT.
					X	FT.
					X	FT.
1	20		2⅞	6¾		31.20 FT.
		DP STANDS				FT.
		DP SINGLES				FT.
		KELLY DOWN				FT.
		TOTAL				FT.
		WT. OF DC IN AIR				LBS.
		WT. OF STRING				LBS

BIT RECORD

BIT NO.	1
SIZE	12¼
MFG.	Reed
TYPE	STIABS
JETS 1/32"	13 13 13
SERIAL NO.	362458
DEPTH OUT	
DEPTH IN	0
TOTAL FTG.	
TOTAL HRS. RUN	
BIT CONDITION 1/8" T/B/GAGE	
REAMER CUTTER NO.	
REAMER TYPE	

MUD RECORD

TIME				
WEIGHT				
VIS.-SEC				
PV/YP	/	/	/	
GELS	/	/	/	
W L-C C				
PH				
% SOLIDS				
% SAND				

MUD MATERIALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

FOOTAGE

FROM	TO	ROT HOURS	DP-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
8PM				Rig up V Door & Slides made up Kelly & Cased Rat Hole Picked up one D.C. made up Bit & Sub's. String geo. Line.
	8PM	12		Mix mud To A 45 Vis

DRILLER: C. Johnson

EVENING TOUR

FOOTAGE

FROM	TO	ROT HOURS	DR-D RM-R CORE-C	CORE NO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT (1000#)	PUMP (AIR) PRESS.	AIR VOL (CFM)	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
0	146	3¾				80-100	2-5	650		5½	170			

DEVIATION RECORD

DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION	DEPTH	DEVIATION°	DIRECTION
114	⊙							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
12⁰⁰				Rig up BLEED off LINES to MUD TANKS & KILL LINE, Rig up PoP LINES & Shale Shaker Slide Start Shale Shakers.
		8⁰⁰		Spud & DRILL 12¼ Hole.
8⁰⁰	11⁰⁰	3⁰⁰		
11⁰⁰	11¹⁵	¼		Survey.
11¹⁵	6⁰⁰	3/4		Drlg

DRILLER: D. Lindell