

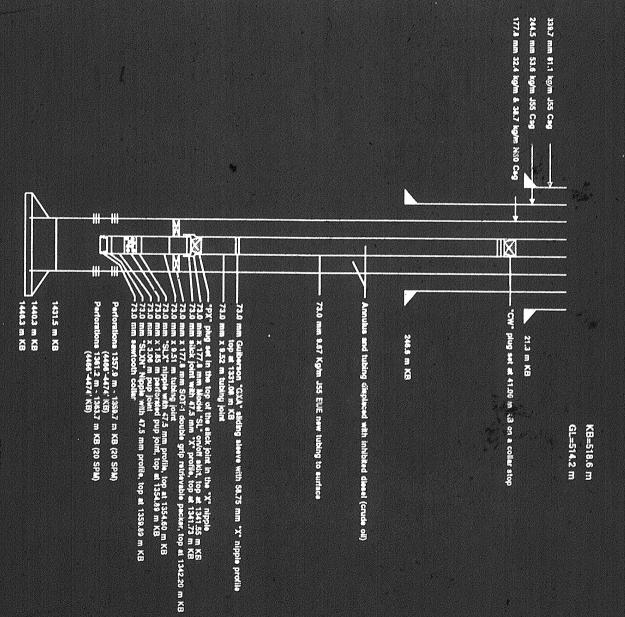
### WELL TERMINATION RECORD

This record is aubmitted in triplicate in compliance with Section 184 of the Canada Oil and Gas Drilling Regulations.

		WELL	DATA		
Well Name:CANC	DE. RIVER CHANCE, YT. J	i <b>-</b> 19		Area:	Eagle Plains/Chance
	)196610137300				
Permit or Lease No.	. 3363	Final Coordinat	es: Lat.: 66° 08	31.2" Lon	g: 137° 32' 28.02"
					/GL: 514.2 = GL
Spud Date:67 1	12 14 Rig	Released: 68	3 02 17	. Total Depth:	1446.3 m KB
		CASING AND	CEMENTING		
O.D.:	Weight:	Grade:	Depth Set:	Cement and A	dditives:
339.7 🗪	81.1 kg/m	J55	21.3 m KB	75 sxs of F	ondu cement
244.5 mm	53.6 kg/m	J55	246.6 m KB	325 sxs of	Fondu cement
177. <b>.8</b> .000	32,4/38,7. kg/	Ç8N, ar	.1440,3, m KB	.450, sxs.of.	construction cement
•••••	•••		•••••		•••••
		PLUGGING	PROGRAM		
					from
(person)	••••		•••••		by means of
••••••	on		19 .		
Type of Plug:	Interval:		Felt:	Cement	and Additives:
None		•••••	•••••		
••••••		• • • • • • • • • •	***************************************		
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			• • • • • • • • • • • • • • • • • • • •	•••	
Lost Circulation/Over	pressure Zones: KQF	le			•••••
					•••••
					••••••
					m, 1279 m - 1294 m,
	•••••				, 1390 m - 1392 m KB
Other Downhole Com	npletion/Suspension Eq	uipment:Şe	attached schema	tic	••••
• • • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
		CERTIFIC	CATION		
certify on the basis	of personal knowledge	of operations un	dertaken at the abov	e named well th	at the above information
is accurate.	)				•
Signed: 5. K		P. Eng.	Title: Presid	lent	• • • • • • • • • • • • • • • • • • • •
Name: D.R. Th	nompson		Date: july 1	0, 1998	
					2 1
			Acknowledged by		dake
Well Status				Engin	neering Branch
Suspended Signature Completed			Date:	y. 649. 4	2/98
Abandoned			File: 66-10-13	•	35/
			UWI 300J1966	1013/301	

Canadä

### EXISTING WELLBORE SCHEMATIC CANOE RIVER CHANCE YT J-19



98 06 08

### **Northern Cross Oil Analysis** File 98C24716

PARAMETER	RESULT
Ash content	1.77 % by weight
Ashphaltenes	2.85 % by weight
BTU	19,520/lb
Carbon residue	4.06 % by weight
Cetane index	sample too heavy to calculate
Cloud point	10°C
Copper strip corrosion	Class 3B - dark tarnish
Flash point - closed cup	<-20°C
H <sub>2</sub> S	< 1 ppm ←
PH.	6.69
Reid vapor pressure	24.1 kPa at 37.8°C
Salt content	100 lbs/1000 barrels Shauld have rea
Wax content	1.43 % by weight $\omega_{ii}(r)$
Characterization Factor - UOP Method 375-59:	

nd >100

551/1000\$61

give your characterization factor. viscosity at 50°C. The interaction of the two on an AP! vs Viscosity graph will The characterization factor is determined by deriving the API and kinematic indicative of the general origin and nature of a petroleum stock. Values 12.5 or materials have characterization factors of 10.0 or less. higher indicate a material predominantly parafinnic in nature. Highly aromatic This is a method for determining the UOP characterization factor, which is

### T Laboratories



NORTHERN CROSS (YUKON) LIMITED

3801 - 21st STREET N.E. CALGARY, ALBERTA T2E 6T5 TEL: (403) 299-2000 FAX: (403) 299-2010

SUPPRESENTATION: PAT SNYDER

OIL ANALYSIS

IAB NUMBER: SAMPLE ID:

PB1A
CANOE RIVER CHANCE
SWAB 03-15 & 03-16 J-16

178 3:48 60.050 19:0 98:0 98:0

Aluminum
Arsenic
Cadmium
Lead
Silicon
Sodium
Vanadium

PARAMETER

<REFERS TO METHOD DETECTION LIMIT.</pre>

Sodium/Vanadium Sodium/Vanadium

Ratio Ratio

ESPE TOL

Accredited by the American Industrial Hygiene Association (AIHA)
Accredited by the Canadian Association of Environmental Analytical Laboratories (CAEAL)

# AGAT Laboratories



### QUALITY ASSURANCE REPORT

NORTHERN CROSS(YUKON)LIMITED ATTENTION: PAT SNYDER

File No: 24716.000

3801-21 STREET N.E. CALGARY, ALBERTA TZE 6T5 TEL: (403) 299-2000 FAX (403) 299-2022

Sample Identification: OIL

Date Reported: 04-C

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PARAMETER Aluminum Arsenic Cadmium Lead Silicon Sodium Vanadium	
SAMPLE A 3.57 12.1 -0.001 0.370 1.76 66.7 0.034	P
SAMPLE B 3.55 10.9 -0.001 0.380 1.74 68.6 0.034	UPLICATE ANA
ACCEPTANCE YES YES YES YES YES YES YES YES YES YE	NALYSIS
PERCENTAGE RECOVERY 108 88 105 96 108 100 100	
ACCEPTABLE LOWER 85 60 78 85 85 85 85	SPIKES
E LIMITS UPPER 115 140 117 115 115 115 115	
	ı
PERCENTAGE RECOVERY 103 105 91 100 100 106 98 98	
GE ACCEPTABLE 10 MER 90 60 83 90 90 90	QA/QC CHECK
ELMITS 110 140 114 110 110 110 110 110 110 110	

## Laboratories



3801 - 21st STREET N.E. CALGARY, ÅLBERTA TZE 6T5 TEL: (403) 299-2000 /FAX: (403) 299-2010

NORTHERN CROSS (YUKON) LIMITED

AITIN: PAIT SNYDER

Date Sampled: 98-03-16
Date Received: 98-03-26
Date Reported: 98-04-02
File Number: 24716.2A

# POLYCHIORINATED BIPHENYLS ANALYSIS RESULTS

			PB2A	Lab#
(treater after acidizing)	CHANCE SAND	canoe river chance J-19	Y.T.J-19	Sample ID
			0il	Туре
			<0.2	Concentration
			N.A.	Aroclor Type
			87	Surrogate*

ANALYST: STREET NO INDERNACE (E) SAMELY

DATE ANALYZED:

N.A. - Not Applicable

NOTES:

0.2 ug/g(ppm)

03/31

HETHOD REFERENCE: AEC M106.0 & ASTM D4059-91.m, AGAT SOP #TO-0100

\* Reported as percent recovery of decachlorobiphenyl added to sample prior to analysis.





NORTHERN Chass (YUKON) LIMITED

3801 - 2\*st STREET N.E. CALGARY, ALBERTA TZE 6T5 TEL: (403) 299-2000 FAX: (403) 299-2010

ATTENTION: JOHN HNATTUK

OIL ANALYSIS

LAB NUMBER: SAMPLE ID :

Calcium Magnesium Sodium Chloride

6/64 6/64 6/64

PARAMETER

RBIA Y.T. J-19 CANOE RIVER CHANCE

- alon reported as 633 and 4131 on earlier

Accredited by the American Industrial Hygiene Association (AIHA)
Accredited by the Canadian Association of Environmental Analytical Laboratories (CAEAL)

# AT Laboratories

3801-21 STREET N.E. CALGARY, ALBERTA TZE 6T5 TEL: (403) 299-2000 FAX (403) 299-2022



### QUALITY ASSURANCE REPORT

NORTHERN CROSS (YUKON) LIMITED ATTENTION: JOHN HNATIUK

Sample Identification: OILWAT

Date Reported: 06/02/98

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4	100	-		- 588
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Calcium Hagnesium Sodium Chloride

PARAMETER

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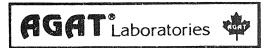
### QA/QC CHECK

File No: 26008.P81A

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C10. AGAT 17712 ķ 8 1357.90-1363.70 NORTHERN CROSS HALL LSE DATE SAMPLED (Y M-D) 98-03-21 CONTAINER IDENTIFICATION UNIQUE WELL IDENTIFIER 0.0000 0.0042 0.0002 0.0005 0.0007 0.0401 0.1073 0.6515 0.1735 0.0095 0.0016 0.0065 0.0044 TRACE AN FREE
AS RECEIVED FIELD OR AREA 98-03-30 AM FREE ACID GAS FREE 0.0002 0.0006 0.0000 0.0000 0.0488 0.1305 0.7922 0.0000 0.0019 0.0054 0.0116 0.0009 0.0079 TRACE CANOE RIVER CHANCE Y.T. J-19 PETROLEUM LIQUID CONTENT mL • m 3 TEMPERATURE \* C 147.6 CHANCE SAND 27.5 19.2 0.0 98-04-06 1.0 3.5 2.4 MELLERAD REMARKS ACIO GAS FREE
45.12 MOD DE ZOME SEPARATOR GROSS HEATING VALUE MUM I 15° C AND 101 325 kPa 5092 × GAS ANALYSIS H<sub>2</sub>S g/m<sup>3</sup> 6 , 0.3 OPERATOR NAME MOISTURE FREE AS SAMPLED 24.2 TREATES BN MR FREE
MS RECEIVED
37.22 SAMPLING POINT 0.837 232.6 × NCO RESERVOIR PSEUDO CRITICAL PROPERTIES (CALCULATED 0.0 NAME OF SAMPLER 3500 -20 pPc (abs)
4589 uPa VAPOUR PRESSURE PENTANES PLUS

115.5 3500 GF2477B -20 MOISTURE AND ACID GAS FREE OTHER INFORMATION SAME 518.60 514. 7ECEIVED 23 O. 691 216.7 × 514.2

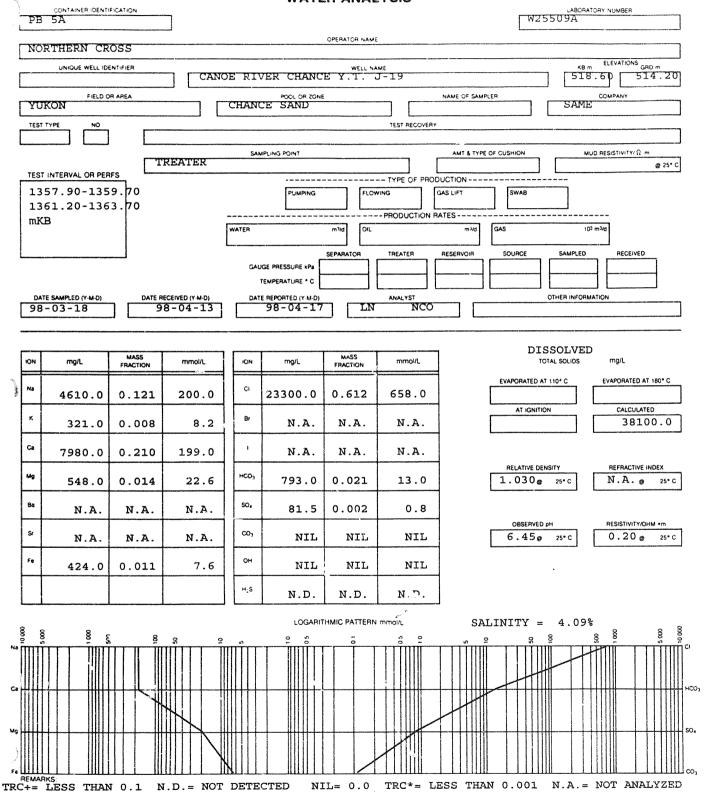


### OIL ANALYSIS

		<b>U</b> 11	per 9_61_019_4 per 1 _6%;				
CONTAINER	IDENTIFICATION					<del></del>	LABORATORY NUMBER
PB#1						<u> </u>	24716A
			OPERATOR NAME				
NORTHER	N CROSS						
UNIQUE W	VELL IDENTIFIER		WELL NAME				KB m ELEVATIONS GRD m
		CANOE RIVER CH.	ANCE J-19				518.60 514.20
	FIELD OR AREA	POOL OR ZO	ONE		NAME OF SA	MPLER	COMPANY
		CHANNEL SAND					SAME
TEST TYPE	NO			TEST REC	OVERY		The state of the s
\	<u> </u>	SAMPLING POINT			A TMA	TYPE OF CUSHION	MUD RESISTIVITY/ Ω m
	יוסיד	ATER					@25° C
TEST INTERVAL C	OR PERFS	A L JAN			<b>L</b>	The state of the s	de la company de
1357.9-1 1361.2-1 mKB							
L			SEPARATOR	TREATER	RESERVO	R SOURCE	SAMPLED RECEIVED
		GAUGE PRESSURE kPa			J L		
		TEMPERATURE * C					
DATE SAMPLED (Y	(-M-D) DATE RECEIVED (Y	(-M-D) DATE REPORTED (Y-M-	D)	ANALYST			OTHER INFORMATION
98-03-		26 98-03-31		-	NCO		
		701 F30-M1-31		1301			
COLOUR OF	SAMPLE PF	B.S. & W. (VOLUME FRACTION)	TOTAL.	VOLUME FRACTION	TEMP. / *C	DISTILLATION	метнор
BROWN	0,2	6 0.15	0.41	0.05	93.3	LA.S.	T.MD86*
				0.10	118.6		
COLOUR NUMBER	ASTM D-1500			0.15	136.8		INITIAL BOILING POINT
D-8 A.	S.T.M.			020	162.1		54.9
		DENSITY		0.25	188.4		
AS RECEIVED	ELATIVE AFTER CLEANING	ABSOLUTE p/kg AS RECEIVED	°m <sup>-3</sup> AFTER CLEANING	0.30		ABS BAROM P	RESSAPa ROOM TEMP/°C
AS RECEIVED				<del></del>			
L	0.8713	STREET, STREET	870.5	0.35	233.0	88.1	
		TY @ 15° C		0.40	<u> 257.3</u>		
	30	.90		0.45	267.4	DI	STILLATION SUMMARY
				0.50	281.5		(VOLUME FRACTION)
TOTAL SUL	PHUR	POUR POINT / * C		0.55	293.7	2001.0	2358 C
(MASS FRA	CTION) TOTAL SALT g*m	~3 U.S.B.M.	A.S.T.M.	0.60	358.4	200° C NAPHTHA	275° C 350° C KEROSENE LIGHT GAS OIL
0.01	068		-21	0.65	370.6	0.28	0.48 0.59
				0.70			,
		CARBON RESIDU		0.75			
FIVP/kF	Pa	(MASS FRACTION CONRADSON R	i) AMSBOTTOM	0.80	eneveryansk <del>e v vis (rinnerer) II</del> U	RECOVERED	DISTILLATION RESIDUE LOSS
				0.85		0.65	0.33 0.02
<u> </u>		<u> </u>		0.90			J L 2:22   L 2:22
				0.95	· · · · · · · · · · · · · · · · · · ·		
			,	1.00			
	VISCOSITY			<del>                                     </del>			OHADA OTERITATION
TEMP/°C	ABSOLUTE/mPa*s	KINEMATIC/mm <sup>2</sup> *s-1		F.B.P			CHARACTERIZATION FACTOR
				F.B.P	250 -		
				$\vdash \vdash$	370.6		11.7
25	6.25	7.23		CRACKED			
						]	
38	5.05	5.90					ION TEMPERATURES HAV
				REMARKS			TO 101.3 KPA(ABS).
1 = 0	4 10	4 02	I			***	



### **WATER ANALYSIS**





### **WATER ANALYSIS**

