

WELL HISTORY REPORT

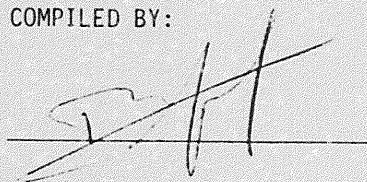
Aquit Alder YT C-33

September 1979

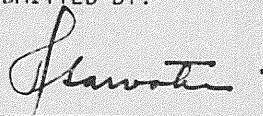
WELL HISTORY REPORT

Aquit Alder YT C-33

COMPILED BY:



SUBMITTED BY:



W.H. Sawotin
Drilling Superintendent

DATE: 79/09/21

WELL HISTORY REPORT

Aquit Alder YT C-33

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WELL HISTORY REPORT

Aquit Alder YT C-33

SECTION I:

SUMMARY OF WELL DATA

WELL HISTORY REPORT

Aquit Alder YT C-33

SUMMARY OF WELL DATA

- a) Well Name and Number: Aquit Alder YT C-33
- b) Permitters: Ladd Exploration Co.
- c) Operator: Aquitaine Co. of Canada Ltd.
- d) Location: C-33-66-00-136-45
- e) Co-ordinates: Lat. 55° 52' 01.6" Long. 136° 51' 54.7"
- f) Unique Identifier: 300C336600136450
- g) Drilling Contractor: Adeco Rig #5
- h) Drilling Authority: No. 901 issued March 2, 1978
- i) Classification: Wildcat
- j) Elevations: Ground 523.6 m - K.B. 530 m
- k) Spudded: 78/03/08
- l) Completed Drilling: 79/02/20
- m) Total Depth: 3714 m - Plugged back to surface
- n) Well Status: Abandon
- o) Rig Release: 1400 hrs 79/03/04
- p) Hole Sizes: 609.6 mm to 167.7 m, 444.5 mm to 502.9 m
311.2 mm to 1321 m, 215.9 mm to 3714 m
- q) Casing Sizes & Settings: 508 mm ST&C @ 88.6 m, 339.7 mm ST&C @ 499.2 m
244.5 mm ST&C @ 1321 m
- r) Geological Supervision: Tom Boleantu
- s) Drilling Supervision: E. Duhn, H. Glenn, D. Brown, E. Korpchuck,
J. Friesen

WELL HISTORY REPORT

Aquit Alder YT C-33

SECTION II:

GEOLOGICAL SUMMARY

- a) Foramtion Tops
- b) Cored Intervals - N/A
- c) Core Descriptions - N/A
- d) Sample Descriptions - Will be forwarded when received

WELL HISTORY REPORT

Aquit Alder YT C-33

SECTION III:

ENGINEERING SUMMARY

- a) Report of Drill Stem Test - N/A
- b) Casing Record
- c) Stabilization Data Sheet
- d) Bit Record
- e) Bit Hydraulics
- f) Mud Report
- g) Deviation Record
- h) Abandonment Record
- i) Lost Circulation Zones
- j) Report of Blowouts - N/A
- k) Formation Leak Off Test
- l) Kick Report Data Sheet - N/A

CASING INFORMATION

AQUITAINE
COMPANY OF CANADA LTD.

CONDUCTOR
~~XXXXXXXXXXXX~~ CASING
~~XXXXXXXXXXXX~~ EX O.D. 508mm
~~XXXXXXXXXXXX~~
WATER

WELL AQUIT ALDER YT LOCATION C-33 DATE MARCH 19/78

JTS. ON LOC.	FT. ON LOC.	CSG. WT	GR	RGE	THD.	T & C	MAKE	JTS. RUN	DEPTH LANDED	FT. RUN IN WELL
15	189.12m	140.06	H.S.	3	BUTTRESS	ST&C	BUTTRESS	7	87.14m	87.8m
		kg/m								

ACCESSORIES	
SHOE: MAKE <u>DAVIS LYNCH</u> TYPE <u>FLOAT</u>	.80m
COLLAR: MAKE <u>DAVIS LYNCH</u> TYPE <u>FLOAT</u>	.63m
LANDING JOINT LENGTH (WHEN USED)	
CENTRALIZERS MAKE <u>WOTCO</u> No <u>3</u>	
POSITIONS <u>5' UP FROM SHOE, TOP OF 2nd JOINT, TOP OF 5th JOINT</u>	
OVERALL LENGTH OF STRING	89.2 m
FEEM UP FROM K.B. (SUBTRACT)	.67m
SCRATCHERS MAKE <u>NIL</u> No <u></u>	
POSITIONS <u></u>	
DEPTH SET - DRILLER	TALLY 88.6 m
SHOE JOINT OVERALL (SUBTRACT)	14.6 m
COLLAR DEPTH - DRILLER	TALLY 73.97m
No. OF COLLARS WELDED <u>3</u>	

REMARKS Csq STUCK @ 88.58m K.B.

RUNNING AND CEMENTING

RUNNING POWER TONGS WEATHERFORD TORQUE: MAX 32520 NOM 28455 MIN 27100
TIMES: STARTED IN: 12pm March 16th IN BOTTOM STUCK 10:30am CIRCULATED MIN 26hrs.
MARCH 17th
FILL UP POINTS EVERY JOINT

CEMENTING CEMENT COMPANY HALLIBURTON SERVICES LTD.
TYPES AND QUANTITY OF CEMENT PERMAFROST CEMENT - 600 SKS

SLURRY WT. 1881kg/m³ WATER AHEAD 4 m³ BBLs
TIMES: START MIX 12:30pm FINISH 1:00pm START DISP. 1:05pm FINISH 1:10pm
CALC DISP. 1.75 m³ BBLs PRESSURES: MAX PUMP 340kPa BUMP -
CEMENT RETURNS YES/NO No OF BBLs 2.4m³

LANDING TIME 1:10pm DATE MARCH 18/78 WT. OF STRING (LESS BLOCKS) 111205KN
WT. LANDED IN SLIPS - LANDING BOWL (SIZE x SERIES x TYPE) 20"-600-K.W.
REMARKS CEMENTED @ McINTYRE HEAD @ 65.53m STINGER, 114mmD.P.

CASING INFORMATION

AQUITAINE
COMPANY OF CANADA LTD.

SURFACE CASING

~~XXXXXXXXXXXX~~ O.D. 340mm
~~XXXXXXXXXXXX~~
~~XXXX~~

WELL AQUIT ALDER Y/T LOCATION C-33 DATE MARCH 29/78

JTS. ON LOC.	PT ON LOC	CSG. WT.	GR	RGE.	THD	T & C	MAKE	JTS RUN	DEPTH LANDED	FT. RUN IN WELL
52	517.86m	81.1kg/m	K55	2	8RD	ST & C	NKK	50	499.27m	499.08m

ACCESSORIES	SHOE: MAKE <u>WOTCO</u> TYPE <u>FLOAT</u>	.50m
	COLLAR: MAKE <u>WOTCO</u> TYPE <u>FLOAT</u>	.60m
CENTRALIZERS MAKE <u>WOTCO</u> No. <u>3</u>	LANDING JOINT LENGTH (WHEN USED)	
POSITIONS <u>5' ABOVE SHOE</u>	OVERALL LENGTH OF STRING	500.18
<u>TOP 2nd and 5th JOINTS</u>	FEET UP FROM K.B. (SUBTRACT)	0.91
SCRATCHERS MAKE <u>NIL</u> No. <u> </u>	DEPTH SET - DRILLER	TALLY 499.27
POSITIONS <u> </u>	SHOE JOINT OVERALL (SUBTRACT)	11.06
	COLLAR DEPTH - DRILLER	TALLY 488.21

No. OF COLLARS WELDED 2

REMARKS WELDED FLOAT COLLAR & FLOAT SHOE

RUNNING AND CEMENTING N-m

RUNNING POWER TONGS ADECO TORQUE: MAX 9268 NOM 7412 MIN 5555
 TIMES: STARTED IN: 2:00am ON BOTTOM 12:00 noon CIRCULATED MIN 270
 FILL UP POINTS EVERY THREE JOINTS

CEMENTING CEMENT COMPANY HALLIBURTON SERVICES LTD.
 TYPES AND QUANTITY OF CEMENT 1500 SKS PERMAFROST + 0.054kg/SK
HR15 FOLLOWED BY 400 SKS OILWELL CLASS G
 SLURRY WT 1821kg/m³ WATER AHEAD 5.56m³ BBLs
 TIMES: START MIX 9:15pm FINISH 11.05pm START DISP. 11.10pm FINISH 11.20pm
 CALC DISP. 4.77m³ BBLs PRESSURES: MAX PUMP 3100kPa BUMP -
 CEMENT RETURNS YES/NO No OF BBLs 2.4m³

LANDING TIME 11.20pm DATE March 29/78 WT OF STRING (LESS BLOCKS) 40,000daN
 WT LANDED IN SLIPS - LANDING BOWL (SIZE x SERIES x TYPE) 5,000 McEvoy
 REMARKS TROUBLE WITH HOWCO EQUIPMENT WHILE MIXING.

CASING INFORMATION

AQUITAINE
COMPANY OF CANADA LTD.

~~INTERMEDIATE CASING~~

INTERMEDIATE CASING O.D. 244

~~INTERMEDIATE CASING~~

~~INTERMEDIATE CASING~~

WELL AQUIT ALDER YT LOCATION C-33 DATE Dec.28/78

kg/m								meters		
JTS. ON LOC.	M FT ON LOC	CSG. WT.	GR	RGE	THD	T & C	MAKE	JTS RUN	DEPTH LANDED	FT RUN IN WELL
152	1959.02	59.53	N80	3	8RD	LT&C	ALGOMA	54	1321.13	697.93
28	369.90	64.74	N80	3	8RD	L	ALGOMA	28	622.87	369.90
24	283.49	69.94	MN80	3	8RD	L	ALGOMA	22	252.97	259.57

ACCESSORIES	SHOE: MAKE WEATHERFORD	TYPE GUIDE	.33
	COLLAR: MAKE WEATHERFORD	TYPE INSERT	
	CENTRALIZERS MAKE WEATHERFORD	No 4	
	POSITIONS 1.5M up on shoe jt.		
	TOP OF JT. NO. 1 #3 and #5	M xxx UP FROM K.B. (SUBTRACT)	6.60
	SCRATCHERS MAKE NONE	No	
POSITIONS	DEPTH SET - DRILLER	TALLY	1,321.13
	SHOE JOINT OVERALL (SUBTRACT)	TALLY	12.99
	COLLAR DEPTH - DRILLER	TALLY	1,308.14

No. OF COLLARS WELDED 2 CSG & GUIDE SHOE

MARKS 1 JT USED FOR LANDING

RUNNING AND CEMENTING

RUNNING POWER TONGS ADECO TORQUE: MAX 9990m-N NOM 11180 MIN 12270
 TIMES: STARTED IN 04.00hrs. 78-12-27 ON BOTTOM 22.00hrs. 78/12/28 CIRCULATED MIN 3 3/4
 FILL UP POINTS SELF FILLING

CEMENTING CEMENT COMPANY HALIBURTON SERVICES LTD.
 TYPES AND QUANTITY OF CEMENT CLASS G O.W.C. 565 SX PLUS
0.3% HR-4

SLURRY WT 15.6 WATER AHEAD 4.8m³ ~~88%~~
 TIMES: START MIX 09.30 FINISH 10.30 START DISP 10.45 FINISH 13.15 12/78
 CALC. DISP 50.6 m³ ~~xxx~~ PRESSURES: MAX PUMP 750 KPa BUMP 10,000KPa
 CEMENT RETURNS YES/NO No OF BBLs _____

LANDING TIME 20.00 DATE Dec.29/78 WT OF STRING (LESS BLOCKS) 64,000 daN
 WT LANDED IN SLIPS 50,000 daN LANDING BOWL (SIZE x SERIES x TYPE) 12" - 1500 McEvoy

REMARKS TROUBLE WITH HOWCO EQUIPMENT

PIPE TALLY

SHEET No. 3 OF 3
 SIZE 244.48 mm O.D. WT. 69.94 kg/m GRADE MN80 THREAD 8 RD, LTC MAKE ALGOMA
 ON LOCATION R4 JOINTS 283.49 m LEFT OUT 2 JOINTS 23.92 m IN HOLE 22 JOINTS 959.57 m
 LOCATION Aquit Alder YT C-33 REMARKS * Unable to Drift

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	13	03	21	10	17	41				61						
2	11	62	22	13	02	42				62						
3	12	12	23	12	03	43				63						
4	10	63	24	12	22	44				64						
5	12	20	25			45				65						
6	11	35	26			46				66						
7	13	07	27			47				67						
8	12	02	28			48				68						
9	12	43	29			49				69						
10	9	62	30			50				70						
11	11	02	31			51				71						
12	13	28	32			52				72						
13	* 11	65	33			53				73						
14	12	35	34			54				74						
15	11	60	35			55				75						
16	12	33	36			56				76						
17	11	64	37			57				77						
18	* 12	37	38			58				78						
19	10	62	39			59				79						
20	10	66	40			60				80						
21	10	71	41			61				91						
22	10	71	42			62				92						
23	10	71	43			63				93						
24	10	71	44			64				94						
25	10	71	45			65				95						
26	10	71	46			66				96						
27	10	71	47			67				97						
28	10	71	48			68				98						
29	10	71	49			69				99						
30	10	71	50			70				100						
31	11	02	51			71				101						
32	11	02	52			72				102						
33	11	02	53			73				103						
34	11	02	54			74				104						
35	11	02	55			75				105						
36	11	02	56			76				106						
37	11	02	57			77				107						
38	11	02	58			78				108						
39	11	02	59			79				109						
40	11	02	60			80				110						
41	11	02	61			81				111						
42	11	02	62			82				112						
43	11	02	63			83				113						
44	11	02	64			84				114						
45	11	02	65			85				115						
46	11	02	66			86				116						
47	11	02	67			87				117						
48	11	02	68			88				118						
49	11	02	69			89				119						
50	11	02	70			90				120						
51	11	02	71			91				121						
52	11	02	72			92				122						
53	11	02	73			93				123						
54	11	02	74			94				124						
55	11	02	75			95				125						
56	11	02	76			96				126						
57	11	02	77			97				127						
58	11	02	78			98				128						
59	11	02	79			99				129						
60	11	02	80			100				130						
61	11	02	81			101				131						
62	11	02	82			102				132						
63	11	02	83			103				133						
64	11	02	84			104				134						
65	11	02	85			105				135						
66	11	02	86			106				136						
67	11	02	87			107				137						
68	11	02	88			108				138						
69	11	02	89			109				139						
70	11	02	90			110				140						
71	11	02	91			111				141						
72	11	02	92			112				142						
73	11	02	93			113				143						
74	11	02	94			114				144						
75	11	02	95			115				145						
76	11	02	96			116				146						
77	11	02	97			117				147						
78	11	02	98			118				148						
79	11	02	99			119				149						
80	11	02	100			120				150						
81	11	02	101			121				151						
82	11	02	102			122				152						
83	11	02	103			123				153						
84	11	02	104			124				154						
85	11	02	105			125				155						
86	11	02	106			126				156						
87	11	02	107			127				157						
88	11	02	108			128				158						
89	11	02	109			129				159						
90	11	02	110			130				160						
91	11	02	111			131				161						
92	11	02	112			132				162						
93	11	02	113			133				163						
94	11	02	114			134				164						
95	11	02	115			135				165						
96	11	02	116			136				166						
97	11	02	117			137				167						
98	11	02	118			138				168						
99	11	02	119			139				169						
100	11	02	120			140				170						
101	11	02	121			141				171						
102	11	02	122			142				172						
103	11	02	123			143				173						
104	11	02	124			144				174						
105	11	02	125			145				175						
106	11	02	126			146				176						
107	11	02	127			147				177						
108	11	02	128			148				178						
109	11	02	129			149				179						
110	11	02	130			150				180						
111	11	02	131			151				181						
112	11	02	132			152				182						
113	11	02	133			153				183						
114	11	02	134			154				184						
115	11	02	135			155				185						
116	11	02	136			156				186						
117	11	02	137			157				187						
118	11	02	138			158				188						
119	11	02	139			159				189						
120	11	02	140			160				190						
121	11	02	141			161				191						
122	11	02	142			162				192						
123	11	02	143			163				193						
124	11	02	144			164				194						
125	11	02	145			165				195						
126	11	02	146			166				196						
127	11	02	147			167				197						
128	11	02	148			168										



STABILIZAI DATA SHEET



WELL NAME: Aquit Alder YI C-33

TYPE	DESCRIPTION	MAKE	SER. NO.	DATE		DEPTH		FEET	ROT HRS.	GAUGE COND.	COST			REMARKS
				ARR.	RET.	IN	OUT				PURCHASE	RENTAL	BUILD UP	
3 point														
DRILCO														
OD	215.9			Jan	3/79									
ID														
LENGTH														
CONN														
TYPE	Blade Stabilizer			Jan	3/79									
BRAND NAME	Drilco													
OD	215.9													
ID														
LENGTH														
CONN														
TYPE	Key Seat Wiper		245	Jan	11/79			2008	3007	1001	3034		50.00	
BRAND NAME	Far North													
OD	158 mm x 185 mm													
ID	63.5													
LENGTH	2.23 m													
CONN	4 1/2 x H 5" H90													
TYPE	Key Seat Wiper		?	Feb	9/79			3007	3114	1107	181			
BRAND NAME	Far North													
OD	160 x 200 mm													
ID	.73													
LENGTH	2.25													
CONN	4 1/2 x H 5" H90													
TYPE														
BRAND NAME														
OD														
ID														
LENGTH														
CONN														

REMARKS- TO INCLUDE COMMENTS ON CONDITION OF STABILIZER SLEEVES, BODIES, THREADS, ETC (IF NOTWORTHY) AND EFFECTIVENESS SO PROPER EVALUATIONS CAN BE MADE

BIT RECORD

AQUITAINE
COMPANY OF CANADA LTD.

WELL NAME AQUITAINE
 LOCATION YT C-83
 CONTRACTOR ADCOCK DRILLING
 RIG NO. 5
 DATE SPUNDED MARCH 5, 1978
 DATE RIG RELEASED MARCH 4, 1979

DRILL PIPE : _____ SIZE O.D. 1 1/4" WT. _____
 DRILL COLLARS : No. 10 O.D. 2 1/2" WT. _____
 No. 11 O.D. 1 7/8" ID. 7/8" TYPE T.J. 5 1/2" REG.
 No. _____ O.D. _____ ID. _____ TYPE T.J. _____
 No. _____ O.D. _____ ID. _____ TYPE T.J. _____

BIT NO.	SIZE	MAKE	TYPE	SERIAL NO.	NOZLE SIZES	DEPTH OUT	METRES	HOURS	CUM HOURS	NO. OF D.C.'s	WT 1000 lbs	RPM	DRILL COND			REMARKS
													T	B	G	
1A	3 1/2	SMITH	DT	WV 532	3-9.5	167.60	129.15	19 1/2	19 1/2	10-203	2 1/2	70/80	3	3	1	
2A	605.6	MACHES	OSC	WV 772	6.0W	82.50	45.00	10 1/2	35	5-203	2 1/2	6 1/8	1	1	1	Reaming 3 1/2" to 605.6mm
3A	444.5	SEC.	MW	601722	2-11.3 1-11.1	167.60	34.72	18 1/4	48 1/4	10-203	3 1/2	35/120	2	2	1	Reaming 3 1/2" to 444.5mm
4A	605.6	MACHES	OSC	WV 772	6.0W	167.60	34.72	22 3/4	71	10-203	3	100	2	1	1	Reaming 444.5mm to 605.6mm
1B	3 1/2	MACHES	KDV	WV 491	3-10.3	360.20	157.30	24 1/2	95 1/2	10-203 9-171	1 7/8	50/100	6	2	1	Drilling full hole
2B	3 1/2	REED	316	WV 830	3-10.3	410.72	52.5	14 1/2	105 3/4	10-203 9-171	1 5/8	50/100	5	3	1	" "
3B	3 1/2	SMITH	F3	49927	2-9.5 1-11.1	522.90	87.2	21 3/4	131 1/2	10-203 9-171	1 5/8	50/80	1	1	0	" "
4B	444.5	SEC.	H7	688144	1-10.3 2-11.3	359.72	192.6	14 1/4	172 3/4	10-203 9-171	5/11	35/90	6	5	1	Reaming 3 1/2" to 444.5mm
5B	444.5	SMITH	4J5	70278	3-11.1	502.90	143.3	14 1/2	219 1/2	10-203 9-111	5/14	35/60	2	3	1	Reaming 3 1/2" to 444.5mm
1C	3 1/2	REED	5136	72456	2-10.3 1-11.1	503.8	4.8	5 1/4	227 1/2	10-203 10-171	5/10	60	4	1	1	Drill cut shoe
2C	3 1/2	REED	5216	WV 548	2-10.3 1-11.1	573.0	72.0	24 3/4	252 1/4	10-203 10-171	17	60	4	2	1	Loss circulation, pull reamer assemblies
3C	3 1/2	MACHES	J33	WV 528	3-11.1	531.0	14.0	6	205 1/2	10-203 10-171	17	90	1	1	1	
4C	3 1/2	REED	5216	WV 548	3-11.1	624.0	170	12	270 1/4	10-203 10-171	15	35/60	6	3	1	
5C	3 1/2	REED	562	53352	3-11.1	1141.0	591.0	42	312 1/4	10-203 10-171	13	60	3	6	0	
RA	3 1/2	SEC.	M88	61948	3-11.1	1321.0	1791.0	34 1/4	412	10-203 10-171	13/20	60	5	3	1	Pull reamer 244.5mm casing
RL	3 1/2	REED	5130	72456	3-11.1	624.0	1791.0	TRIP	70	244.5mm casing						

BIT RECORD

AQUITAINE
COMPANY OF CANADA

WELL NAME Aquit Alder
 LOCATION VT G-33
 CONTRACTOR Adeco
 RIG No. 5
 DATE SPUNDED 78/03/08 0300 hrs
 DATE RIG RELEASED 79/03/04 1400 hrs
 DRILLED OUT UNDER 9-5/8 shoe 1300 hrs 79/01/01

DRILL PIPE : SIZE OD 114.3 WT 7.48 TYPE T J 4 1/2 X H
 DRILL COLLARS : No. 21 OD 170 mm ID 73 mm TYPE T J 5" H90
 No. OD ID TYPE T J
 No. OD ID TYPE T J
 No. OD ID TYPE T J

BIT NO.	SIZE	MAKE	TYPE	SERIAL NO.	NOZZLE SIZES	DEPTH OUT	METERS	HOURS	CUM. HOURS	NO. OF D.C.'s	WT 1000 DEN	RPM	DULL COND			REMARKS
													T	B	G	
1	2 1/2 9	REED	S131J	NL X969	3/7.9	1334	13	43 1/4	43 1/4	21	10 1/5	65	8	5	1	Drill fluid floats & cement
2	2 1/2 9	Sec	M88 F	543860	3/7.9	1404	70	15 1/2	20 1/4	21	16	55	8	3	1/2	
3	2 1/2 9	REED	FR62T	519054	3/7.9	1461	57	10 1/2	30 3/4	✓	10	55	8	2	1	
4	2 1/2 9	REED	FR62	59056	3/7.9	1550	89	23	59 3/4	✓	15 1/7	40/55	8	1	1	
5	2 1/2 9	Sec	SR6	470805	3/7.9	1605	55	16 3/4	76 1/2	21	10 1/2	55	8	1	1	
6	2 1/2 9	Sec	H88 F	711319	3/7.9	1775	170	33 1/4	109 3/4	21	10 1/4	55	8	1	1	Pull for Re-orientation
7	2 1/2 9	Sec	SR4	544282	3/7.9	1974	199	43 1/4	153	21	15 1/5	60	8	4	1/2	Ream 1cm under gauge for Run Muckabed
8	2 1/2 9	Sec	H746	604052	3/7.9	1974	—	2 1/4	155 1/4	21	5	60	1	1	1	
9	2 1/2 9	Sec	SR6	537427	3/7.9	2008	24	12 3/4	175	21	5	60	1	1	1	
10	2 1/2 9	Sec	SR4 F	840627	3/7.9	2162	153	40 3/4	218 1/4	21	9 1/11	60	7	2	1	Outside. Bottoms Manges
11	2 1/2 9	Sec	SR6	914848	3/7.9	2386	224	43 1/4	262	21	9 1/11	55	4	2	2	
12	2 1/2 9	Sec	SR4 F	840470	3/8.7	2464	78	22	284	21	11	55	6	6	1	
13	2 1/2 9	Sec	H88	357216	3/8.7	2530	66	28 1/2	312 1/2	21	14	60	3	6	1	
14	2 1/2 9	Sec	SR4	693356	3/8.7	2575	45	14 1/4	—	21	12 1/4	60	3	1	1	
15	2 1/2 9	HW	J55	45887	3/8.7	2576	1	1 1/2	—	21	14	50	1	1	1	
16	2 1/2 9	Sec	H746 T	604054	3/8.7	2604	25	1 1/2	—	21	12	55	3	5	1	
17	2 1/2 9	Sec	H746	834683	3/8.7	2640	36	12 1/2	—	21	11 1/8	60	5	2	1	
18	2 1/2 9	Sec	SR4	544282	3/8.7	2661	41	16	—	21	15	55	7	5	1	Ream 7m stringing
19	2 1/2 9	Sec	H746	83628	3/8.7	2690	9	4	—	21	13	55	8	2	1	Clean to bottom -10ms

BIT RECORD

AQUITAIN
COMPANY OF CANADA

WELL NAME Aquit Alder
 LOCATION VT C-33
 CONTRACTOR AGECO
 RIG No 5
 DATE SPUNDED 78/03/08 0300 hrs
 DATE RIG RELEASED 79/03/04 1400 hrs

DRILL PIPE : SIZE OD 114.3 WT 7.48 TYPE T.J. 4 1/2 X H
 DRILL COLLARS : No 21 OD 171 mm ID 73 mm TYPE T.J. 5" H90
 No OD ID TYPE T.J.
 No OD ID TYPE T.J.
 No OD ID TYPE T.J.

BIT NO.	SIZE	MAKE	TYPE	SERIAL NO.	NOZZLE SIZES	DEPTH OUT	METRES	HOURS	CUM HOURS	NO OF D.C.'s	WT 1000 POUNDS	RPM	DULL COND T B G	REMARKS
20	2 1/2.9	HW	J33	30060	3/4.9	2720	30	13 1/2		21	20,000	40	8 1 1/4	Reamed 108m Sloughing shale 2084 hrs.
21	2 1/2.9	SEC	M4446	826263	3/7.9	2720	-			21	15,000	50	5 1 1/4	Reamed 171m Sloughing shale 28 hrs.
22	2 1/2.9	SEC	SBG	914850	3/8.7	2800	80	19 1/2		21	20,000	50	8 5 1	
23	2 1/2.9	HW	J33	33637	3/8.7	2837	37	13 1/4		21	15,000	40	6 1 1/2	
15RR	2 1/2.9	HW	J35	47887	1-85	2912	75	18		21	15/30	40	8 1 0	
24	2 1/2.9	SMITH	J35	FE147	2-7.9	2952	40	13 1/4		21	15/20	40	8 1 0	
25	2 1/2.9	SEC	HTSS	943972	3/8.7	2939	1	1		21	1/5	50	5 1 1	Clean hole Ream U.S. Strap Correc. 14m
26	2 1/2.9	SMITH	J35	ET243	3/8.7	3007	68	21 1/4		21	20	40	8 6 1	10 3/4 Clean fill
27	2 1/2.9	SMITH	J35	DA313	3/8.7	3094	87	24		21	20	40	5 4 1	1888 - 2150
28	2 1/2.9	SEC	M897E	840447	3/8.7	3223	129	36		21	20	40	2 2 1	7 8 3/4 hr. Reaming F-11
29	2 1/2.9	SEC	M897E	840443	3/8.7	3449	226	56		21	20	40	3 3 1	
30	2 1/2.9	SEC	M897E	840720	3/8.7	3714	265	61		21	18	40	8 4 1	
PR8	2 1/2.9	HT46J	COY052		3/10.3								6 2 1	Clean out trip
31	2 1/2.9	SEC	M4446	838655	3/12.7	3714				9			2 1 1	Bring at 2587

BIT HYDRAULICS

PAGE 1 OF 3

WELL NAME Bevi 202R
 LOCATION YT 5-33
 CONTRACTOR ADCO DRILLING
 RIG No. 5
 DATE SPUNDED MARCH 8, 1978
 DATE RIG RELEASED MARCH 4, 1978

PUMP No 1 MAKE HOWEED TYPE HT 400
 PUMP No 2 MAKE HOWEED TYPE HT 400
 MUD NEW CO G/ST G/ST
 G/ST G/ST TYPE HT 400

BIT NO	PUMP No 1		PUMP No 2		L/min	PUMP PRESSURE PSI	ANGULAR VELOCITY	MUD				HHP AT BIT	REMARKS
	LINER	SPM	LINER	SPM				WT	VIS	YP	PV		
1A	130.74	2032	75	2100	13100	32	1050	74	17	15			PV IN MRS
2A	"	"	80	2200	14200	32	1050	74	17	15			
3B	"	"	75	2100	14200	32	1100	70	15	15			
4B	"	"	75	2100	10400	7	1140	88	22	17			
5B	"	"	80	2200	10400	7	1110	86	22	14			
1C	131.74	2032	2x75	1950	5000	30	1000	80					
2C	"	"	3x70	1950	10500	50	1000	30					
3C	"	"	3x70	1950	10000	30	1000	45					
RA	"	"	3x50	1400	5000	22	1050	40	11	10			
3A	"	"	3x70	1960	5000	30	1030	35	7	9			
4C	"	"	3x70	1960	5500	29	1040	40	8.6	6			
5C	"	"	3x70	1960	11000	28	1000	41	8.6	8			
RA	"	"	3x70	1960	11000	28	1050	50	107	10			

BIT HYDRAULICS



WELL NAME Aquit Alder
 LOCATION V1 C-33
 CONTRACTOR Adaco
 RIG No. 5
 DATE SPUNDED 78/03/08 0300 hrs
 DATE RIG RELEASED 79/03/04 1400 hrs

PUMP No. 1 MAKE Howco Gist TYPE HT 400
 PUMP No. 2 MAKE Howco Gist TYPE HT 400
 #3

BIT NO	PUMP No. 1		PUMP No. 2		L/min	PUMP PRESSURE	ANNUAL VELOCITY	MUD			HP AT BIT	REMARKS
	LINE	S.P.M.	LINE	S.P.M.				WT	VIS	VP		
1	137x 263	70	137x 263	70	1060	9200	40.0	146	31	1	3	215 gmm bit size
2	137x 263	70	137x 263	70	1060	9000	40.0	103	32	1	4	219 mm bit size
3	137x 263	70	137x 263	70	1060	9000	40.0	91	6.7	11	11	Bottom cut 1461
4	137x 263	70	137x 263	70	1060	9000	40.0	146	4.5	7.2	11	Bottom cut 1550
5	137x 263	70	137x 263	70	1060	9000	40.0	124	4.8	7.7	14	Bottom cut 1630
6	137x 263	70	137x 263	70	1060	9000	40.0	124	7.0	12.6	17	Bottom cut 1725
7	137x 263	65	137x 263	65	984	9000	37.4	103	6.0	14.4	17	Bottom cut 1974
8	137x 263	65	137x 263	65	984	9000	37.4	103	6.0	14.4	17	Bottom cut 2061
9	137x 263	65	137x 263	65	984	9000	37.4	103	7.4	6.2	15	Bottom cut 2147
10	137x 263	65	137x 263	65	984	9000	37.4	103	5.1	11.0	21	Bottom cut 2160
11	137x 263	65	137x 263	65	984	9000	37.4	103	4.7	8.6	17	Bottom cut 2366
12	137x 263	65	137x 263	65	984	9000	37.4	103	4.7	7.7	15	Bottom cut 2424
13	137x 263	65	137x 263	65	984	9000	37.4	103	4.8	9.6	15	Bottom cut 2532
14	137x 263	65	137x 263	65	984	9000	37.4	103	5.2	9.6	20	Bottom cut 2578
15	137x 263	65	137x 263	65	984	9000	37.4	103	5.2	6.6	21	Bottom cut 2576
16	137x 263	65	137x 263	65	984	9000	37.4	103	5.2	11.0	21	Bottom cut 2604
17	137x 263	65	137x 263	65	984	9000	37.4	103	6.3	11.9	21	Bottom cut 2640
18	137x 263	65	137x 263	65	984	9000	37.4	103	6.3	12.0	21	Bottom cut 2681
19	137x 263	65	137x 263	65	984	9000	37.4	103	7.0	13.9	24	Bottom cut 2690

BIT HYDRAULICS



PAGE 3 OF 3

WELL NAME Aquit Alder
 LOCATION YT C-33
 CONTRACTOR Adeco
 RIG No. 5
 DATE SPUNDED 29/03/08
 DATE RIG RELEASED 29/03/04

PUMP No. 1 MAKE HOWCO G1ST TYPE HT 400
 PUMP No. 2 MAKE HOWCO G1ST TYPE HT 400
 #3 MAKE HOWCO G1ST TYPE HT 400

BIT NO	PUMP No. 1		PUMP No. 2		L/min	PUMP PRESSURE	ANNULAR VELOCITY	MUD			HHP AT BIT	REMARKS
	LINER	SPM	LINER	SPM				WT	VIS	VP		
21	127x 203	60	127x 203	60	908	10000	314	1250	153	25	33	
22	127x 203	60	127x 203	60	908	9200	314	1100	120	20.2	30	
23	127x 203	60	127x 203	60	908	9000	314	1080	140	20.2	30	
24	127x 203	60	127x 203	60	908	9200	314	1090	115	16.2	25	
25	127x 203	60	127x 203	60	908	9000	314	1090	140	18.2	25	
26	127x 203	60	127x 203	60	908	9200	314	1090	120	13.4	20	
27	127x 203	60	127x 203	60	908	15000	314	1080	110	20.2	30	
28	127x 203	60	127x 203	60	908	10000	314	1090	100	16.2	25	
29	127x 203	60	127x 203	60	908	9200	314	1090	98	12.5	25	
30	127x 203	60	127x 203	60	908	9200	314	1090	110	21.2	30	
31	127x 203	60	127x 203	60	908	9200	314	1090	141	21.7	28	2000 TO 6000 CLEANING

FLUID DATA SHEET - WEEKLY REPORT

SOLIDS %		U/L RATE GAL/MIN	FILTRATE	ION ANAL.	SHALE ANAL.	PRODUCTS		REMARKS										
MILL DISCH. DESANDER	BENT DRILL DISCH. DESILTER					DAILY COST	CUM. COST											
UNDERFLOW DESANDER	UNDERFLOW DESILTER	PH	TOTAL HARDNESS	CHLORIDE	SHALE DENSITIES	ME. BLUE	GEL	BARITES	K-CL	CAUSTIC	KALZAN	SODIUM SULPHATE	DELTEX	VC-10	SODIUM BICARB	FLR-100		
			25	50	80	6	6										2601	2601
			40	40	40	4	5										1814	4415
6			10	40		3	15										1544	5959
4			12.5			2	15	7									926	6885
6		10	15	70		10	10										1395	8280
4		9.5	15			4	3										591	8870.80
		9.5	12.5	30	6						10						648.56	9519.36
		9.0	12.5														-	9519.36
		10	17.5			2											-	9519.36
4	6	10	12.5	60	40	2	3				10						48	9567
2	10	9.5	15		30	3	3				4	4					1681	11248
2	11	9.5	15	35		4	3	3									1277	12527
1/2	10	9.5	15	44	12	7	3										1074	13601
2	12	10	17	6	10	4	2										871	14472
2	6	9.5	17.5		10	2	7	1	14					2			702	15174
1	6	10.5	18	8	16	2	3	9	3								2647	17871
5	6	10	19	38	16	7		3	2								1221	19092
		10.5	19	15	4	4	3	3	1								1148	20240
																	676	20916

DEPTH (m)	DIFF. METRES	DEVIATION	DISPLACEMENT (m)	CUMM. DISP. (m)
43.3		1/2	0.38	0.38
74.7		3/4	0.41	0.79
84.1		1	0.16	0.95
91.4		0		
102.4		1	0.32	1.27
111.9		1/8	0.02	1.29
121.9		3/4	0.13	1.42
141.4		3/4	0.26	1.67
167.6		3/4	0.34	2.01
191.4		1-1/2	0.62	2.63
219.7		1-1/2	0.74	3.37
248.7		1	0.50	3.88
277.7		3/4	0.38	4.26
306.0		1-1/4	0.62	4.88
323.1		1	0.30	5.18
350.8		3/4	0.36	5.54
379.2		1	0.50	6.04
408.1		1-1/2	0.76	6.80
436.2		3/4	0.37	7.17
455.1		1-1/4	0.41	7.58
483.4		1-1/2	0.74	8.32
502.9		1-1/2	0.51	8.83
570.0	67	2	2.33	11.16
694.0	124	2-1/4	4.86	16.02
873.0	179	4-1/2	14.04	30.06

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DEPTH (m)	DIFF. METRES	DEVIATION	DISPLACEMENT (m)	CUMM. DISP. (m)
902	29	4-3/4	2.40	32.46
939	37	4-1/8	2.66	35.12
968	29	4	2.02	37.14
1007	39	3-1/4	2.21	39.35
1045	38	3-1/8	2.07	41.42
1084	39	2	1.36	42.78
1130	46	2-3/4	2.20	44.98
1142	12	2-1/2	.42	45.40
1179	37	3	1.93	47.43
1256	77	3	4.02	51.45
1321	65	3	3.40	54.85
1423	102	2	3.55	58.41
1461	38	2-3/4	1.82	60.23
1499	38	3	1.98	62.21
1527	28	3-1/8	1.52	63.73
1550	23	3-3/4	1.50	65.23
1598	48	4-1/8	3.45	68.68
1635	37	3	1.93	70.61
1665	30	2-1/2	1.30	71.91
1692	29	4-1/2	2.27	74.18
1701	9	4-3/4	.74	74.92
1739	38	5-1/2	3.64	78.56
1767	28	6	2.92	81.48
1786	19	6-1/4	2.07	83.54
1815	29	6	3.03	86.57
1834	19	5-1/4	1.73	88.30
1843	9	4-3/4	.74	89.04
1862	19	4-1/4	1.40	90.44
1882	20	5-1/4	1.83	92.27
1901	19	6	1.98	94.25
1920	19	6-1/4	2.06	96.31
1939	19	6-3/4	2.23	98.54
1959	20	6-1/4	2.17	100.71
2004	45	6-1/4	4.89	105.60
2040	36	4-1/2	2.82	108.42
2068	28	4	1.95	110.37
2087	19	3	.97	111.34
2127	40	3	1.92	113.26
2155	28	3	1.40	144.66
2202	47	2-3/4	2.01	116.67
2240	38	2-3/4	1.82	118.49
2307	67	2	2.33	120.82
2383	76	1-3/4	2.32	123.14
2464	81	2	2.82	125.95
2530	66	1-1/2	1.72	127.67
2575	45	1-1/4	.98	128.65
2594	19	1	.33	128.98
2640	46	1	.80	129.78
2676	36	1-1/2	.94	130.72
2720	44	2-1/4	1.72	132.44
2800	80	3-3/4	5.2	137.67
2837	37	3	1.93	139.60

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DEPTH (m)	DIFF. METRES	DEVIATION	DISPLACEMENT (m)	CUMM. DISP. (m)
2912	75	4-1/4	5.55	145.15
2943	31	3-3/4	2.02	147.17
3000	57	2-3/4	2.30	149.47
3093	93	2-3/4	4.46	153.93
3221	128	2-1/4	5.02	158.95
3445	224	5	19.5	178.45
3701	256	7	31.2	209.64

AGUITAINE OF CANADA LTD.
 AQUIT AIDER VI C-33
 ALLOCAT
 YUKON TERRITORY
 MAGNETIC DICTIONAL SURVEYS

UNITED DICTIONAL DRILLING LTD
 RECORD OF SURVEY

DATE OF SURVEY 1979 01 19
 VERTICAL SECTION DIRECTION
 33 DEG EAST CORRECTION APPLIED
 PAGE 1
 CLOSURE

MEASURED DEPTH	TRUE VERTICAL DEPTH	SURF SFA TWD	COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	DOG-LEG PER 10 METERS	RECTANGULAR NORTH/SOUTH	TOTAL COORDINATES EAST/WEST	VERTICAL SECTION
0.0	0.0	0.0	0 30	N	0.06	0.0	0.0	0.0
89.0	89.00	-89.00	0 24	N	0.03	.12 N	.37 W	-0.30
120.0	120.00	-120.00	0 12	N	0.10	.20 N	.60 W	-0.48
150.0	150.00	-150.00	0 30	N	0.14	.28 N	.72 W	-0.56
180.0	180.00	-180.00				.44 N	.69 W	-0.47
210.0	209.99	-209.99	1 0	N	0.19	.74 N	.45 W	-0.13
240.0	239.99	-239.99	1 0	N	0.16	1.00 N	.01 W	.37
270.0	269.99	-269.99	0 48	S	0.11	1.06 N	.45 E	.82
300.0	299.98	-299.98	1 0	S	0.11	.97 N	.91 E	1.21
330.0	329.98	-329.98	0 54	S	0.04	.80 N	1.38 E	1.58
360.0	359.98	-359.98	0 48	S	0.03	.67 N	1.80 E	1.92
390.0	389.97	-389.97	1 0	S	0.07	.52 N	2.25 F	2.28
420.0	419.97	-419.97	0 54	S	0.04	.37 N	2.72 E	2.66
450.0	449.96	-449.96	0 48	S	0.05	.27 N	3.16 E	3.02
480.0	479.96	-479.96	0 54	S	0.03	.21 N	3.60 E	3.41
510.0	509.96	-509.96	1 14	S	0.14	1.0 N	4.16 E	3.89
540.0	539.95	-539.95	1 35	S	0.10	.11 S	4.89 E	4.49
570.0	569.93	-569.93	1 42	S	0.04	.35 S	5.72 F	5.17
600.0	599.92	-599.92	1 54	S	0.07	.57 S	6.64 E	5.93
630.0	629.90	-629.90	1 48	S	0.07	.72 S	7.59 E	6.76
660.0	659.89	-659.89	1 54	N	0.11	.73 S	8.56 E	7.65
690.0	689.87	-689.87	1 42	N	0.16	.56 S	9.48 E	8.56
720.0	719.86	-719.86	2 6	N	0.18	.16 S	10.38 E	9.55
750.0	749.82	-749.82	3 12	N	0.37	.54 N	11.58 E	10.93
780.0	779.77	-779.77	3 36	N	0.13	1.46 N	13.10 E	12.68
810.0	809.71	-809.71	3 42	N	0.05	2.47 N	14.72 E	14.57
840.0	839.65	-839.65	3 30	N	0.07	3.50 N	16.30 F	16.42
870.0	869.60	-869.60	3 0	N	0.17	4.40 N	17.74 E	18.09
900.0	899.56	-899.56	2 42	N	0.10	5.17 N	19.02 F	19.57
930.0	929.53	-929.53	2 42	N	0.05	5.86 N	20.25 E	20.97

AGUITAINE OF CANADA LTD.
 AGUIT ALDER YT C-33
 WILLOCAT
 YUKON TERRITORY
 MAGNETIC DIRECTIONAL SURVEYS

DATE OF SURVEY 1979 01 19
 VERTICAL SECTION DIRECTION 33 DEG EAST
 CORRCTION APPLIED

PAGE 2
 1979 01 19
 CLOSURE
 APPLIED

UNITED DIRECTIONAL DRILLING LTD

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUR SEA TVD	COURSE		DOG-LFG	RECTANGULAR		TOTAL	COORDINATES		VERTICAL SECTION
			INCLINATION DEG	DIRECTION DEG		10 MIRS	NORTH/SOUTH		EAST/WEST	SECTION	
960.0	959.50	-954.50	2 24	N 63 F	.10	6.48	N	21.44	F	22.30	
950.0	949.47	-944.47	2 36	N 48 E	.23	7.22	N	22.50	F	23.56	
1020.0	1019.44	-1019.44	2 24	N 49 F	.07	8.09	N	23.48	F	24.80	
1050.0	1049.42	-1049.42	2 12	N 62 E	.19	8.77	N	24.46	F	25.96	
1080.0	1079.40	-1079.40	2 6	N 71 E	.12	9.22	N	25.49	E	27.09	
1110.0	1109.38	-1109.38	2 0	N 75 F	.06	9.53	N	26.52	F	28.15	
1140.0	1139.36	-1139.36	2 30	N 86 E	.22	9.71	N	27.68	E	29.29	
1170.0	1169.33	-1169.33	2 42	N 89 E	.08	9.77	N	29.03	E	30.57	
1200.0	1199.30	-1199.30	2 24	S 86 E	.12	9.74	N	30.37	E	31.80	
1230.0	1229.27	-1229.27	2 6	S 74 E	.19	9.55	N	31.52	F	32.79	
1260.0	1259.25	-1259.25	2 0	S 83 E	.11	9.33	N	32.57	F	33.68	
1290.0	1289.24	-1289.24	1 54	S 83 E	.03	9.21	N	33.54	F	34.57	
1316.0	1315.22	-1315.22	1 48	S 80 E	.05	9.08	N	34.41	F	35.29	
1350.0	1344.21	-1344.21	1 45	S 50 E	.27	8.66	N	35.34	F	35.99	
1378.0	1377.20	-1377.20	1 45	S 37 E	.14	8.04	N	35.92	F	36.30	
1407.0	1406.19	-1406.19	1 15	S 15 E	.26	7.38	N	36.27	F	36.37	
1435.0	1434.18	-1434.18	1 15	S 70 E	.41	6.98	N	36.64	F	36.56	
1464.0	1463.17	-1463.17	1 45	N 90 E	.25	6.87	N	37.38	F	37.20	
1492.0	1491.15	-1491.15	2 0	N 83 F	.12	6.93	N	38.29	F	38.07	
1520.0	1519.14	-1519.14	2 15	S 68 E	.39	6.79	N	39.28	E	38.94	
1549.0	1548.11	-1548.11	2 30	S 75 E	.13	6.41	N	40.42	F	39.85	
1577.0	1576.08	-1576.08	3 0	S 75 E	.14	6.06	N	41.72	F	40.92	
1605.0	1604.04	-1604.04	3 0	S 83 E	.15	5.78	N	43.16	F	42.14	
1634.0	1633.00	-1633.00	3 0	S 85 E	.04	5.62	N	44.66	F	43.48	
1662.0	1660.95	-1660.95	4 0	N 75 F	.56	5.41	N	46.34	F	45.10	
1691.0	1689.84	-1689.84	5 0	N 72 E	.37	6.44	N	48.44	F	47.28	
1719.0	1717.75	-1717.75	5 5	N 67 E	.15	7.34	N	50.83	F	49.83	
1747.0	1745.62	-1745.62	6 0	N 57 E	.47	8.23	N	53.23	F	52.51	
1775.0	1773.48	-1773.48	6 15	N 65 E	.32	10.06	N	55.80	F	55.47	
1803.0	1801.31	-1801.31	5 30	N 63 F	.20	11.31	N	58.38	F	58.33	

AGUTTAINE OF CANADA LTD.

ADULT ALUER YT C-33

WILLOCAT

YUKON TERRITORY

MAGNETIC DIIRECTIONAL SURVEYS

PAGE 3

DATE OF SURVEY 1979 01 19

VERTICAL SECTION DIRECTION

33 DEG EAST CORRECTION APPLIED

UNITED DIRECTIONAL DRILLING LTD

RECORD OF SURVEY

MEASURED DEPTH	TRUE VERTICAL DEPTH	SUB SEA TVD	COURSE INCLINATION DEG MIN	COURSE DIRECTION DEG	DOG-LEG DEG PER 10 MTRS	RECTANGULAR NORTH/SOUTH	COORDINATES EAST/WEST	VERTICAL SECTION
1832.0	1830.20	-1830.20	5 0	N 36 E	.86	12.97 N	60.36 F	60.79
1861.0	1859.04	-1859.08	5 15	N 11 E	.77	15.29 N	61.36 F	62.59
1890.0	1887.94	-1887.94	6 15	N 5 W	.65	18.17 N	61.47 E	63.78
1918.0	1915.75	-1915.75	7 0	N 14 W	.46	21.34 N	60.93 E	64.47
1947.0	1944.56	-1944.56	6 15	N 6 W	.41	24.62 N	60.34 E	65.17

** THE CALCULATIONS ARE BASED ON THE MINIMUM RADIUS OF CURVATURE METHOD **

THIS SURVEY WAS CALCULATED BY MACHINE COMPUTER UTILIZING PROGRAM FURNISHED BY SPERRY-SUN WELL SURVEYING COMPANY, HOUSTON, TEXAS. CALCULATIONS ARE BASED, HOWEVER, UPON INPUT DATA FURNISHED BY THE CUSTOMER WHO ASSUMES RESPONSIBILITY AND HOLDS SPERRY-SUN WELL SURVEYING COMPANY HARMLESS FROM LIABILITY.

HORIZONTAL DISPLACEMENT = 65.17 MTRS AT NORTH 67 DEG. 48 MIN. EAST (TRUE)

ARQUITRAINE COMPANY OF CANADA LTD.
 ALDER, YT C-33

ALDER WT

WIDIL
 19790138

TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE METERS	DEPARTURE METERS	VERTICAL SECTION	DOG LEG
1947	TIE COORDINATES		1944.56	24.62 N	60.04 E	.00	.00
1952	N 6 0 W	7 0	1945.30	25.18 N	60.28 E	60.08	1.55
1960	N 6 0 W	8 15	1977.73	26.45 N	59.94 E	64.81	.26
2009	N 2 0 W	4 30	2006.14	31.12 N	59.74 E	66.28	.63
2037	N 0 0 E	4 15	2034.60	33.29 N	59.70 E	67.58	.16
2066	N 0 0 E	3 45	2060.07	35.28 N	59.70 E	68.80	.18
2095	N 18 0 E	3 15	2091.55	36.99 N	59.95 E	70.04	.42
2123	N 8 0 E	3 0	2120.05	38.49 N	60.30 E	71.25	.21
2152	N 13 0 E	3 0	2148.55	39.96 N	60.57 E	72.36	.09
2180	N 13 0 E	3 0	2177.05	41.42 N	60.91 E	73.52	.00
2209	N 15 0 E	2 45	2205.55	42.81 N	61.25 E	74.64	.09
2237	N 21 0 E	2 30	2234.06	44.05 N	61.25 E	75.72	.13
2266	N 29 0 E	2 15	2262.58	45.12 N	62.15 E	76.76	.15
2294	N 29 0 E	1 45	2291.10	45.99 N	62.63 E	77.66	.18
2323	N 41 0 E	1 30	2319.63	46.65 N	63.05 E	78.44	.15
2351	N 45 0 E	1 15	2348.16	47.16 N	63.55 E	79.12	.09
2380	N 29 0 E	1 30	2376.69	47.70 N	63.95 E	79.77	.16
2408	N 40 0 E	1 30	2405.22	48.32 N	64.38 E	80.48	.10
2437	N 19 0 E	1 30	2433.75	48.97 N	64.70 E	81.13	.25
2466	N 29 0 E	1 15	2462.28	49.60 N	64.93 E	81.71	.16
2494	N 48 0 E	1 0	2490.82	50.04 N	65.27 E	82.24	.16
2523	N 57 0 E	1 0	2519.35	50.34 N	65.66 E	82.74	.05
2551	N 35 0 E	0 45	2547.89	50.63 N	65.90 E	83.17	.15
2580	N 36 0 E	0 45	2576.43	50.94 N	66.20 E	83.53	.00
2608	N 60 0 E	0 30	2604.96	51.15 N	66.42 E	83.83	.13
2637	N 36 0 E	0 45	2633.50	51.36 N	66.63 E	84.10	.13
2665	N 38 0 E	1 30	2662.04	51.61 N	66.87 E	84.37	.26
2676	N 51 0 E	1 30	2673.53	52.01 N	67.17 E	84.96	.31

THE DOGLEG SEVERITY IS IN DEGREES PER 10 METERS.
 THE VERTICAL SECTION WAS COMPUTED ALONG N 52 15 E.

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS, THE BOTTOM HOLE
 DISPLACEMENT IS 84.96 METERS IN THE DIRECTION OF N 52 15 E.
 A DECLINATION OF 33 0 EAST HAS BEEN APPLIED.

PLUG-BACK AND ABANDONMENT REPORT

AQUITAINE
COMPANY OF CANADA LTD.

Well Aquit Alder YT C-33

Location 65° 52' 01.59"N
136° 51' 54.70"W

Hole Size	609.6	444.5	311.2	215.9
Depth	167.7	502.9m	1321 m	3714 m

K.B. Elev. 530 m

F.T.D. 3714 m

Casing in Hole	Size	Set at	Top of Cement Surf.
	508	88.6	
Surface Casing	339.7	499.2	To Surf.
Production String	244.5	1321.13	1015

Fluid in Hole Gel Benex

Plug Back String 114.3 Drill pipe

Service Company Halliburton

Cons. Bd. Officer _____

	Plug #1	Plug #2	Plug #3	Plug #4	Plug #5	Plug #6
Date	79/03/02	79/03/02	79/03/03	79/03/04	79/03/04	
Interval — Top Bottom	3600 3714	2800 2900	1286 1336	31 m Ground level	Pumped down mulas	
Formation — Name Depth	Middle Devonian	Ft Creek	Lower Hart Bottom 244.5 csg			
Calipered Hole Size (Average)	222.3	241.3	228.6	222.3		
Type of Cement	Class G	Class G	Class G	Class G	Glass G	
Number of Sacks	6.41 t	6.76 t	3.08 t	1.8 t	8.6 t	
Additives	.4% HR4	.4% HR4	Nil	Nil	Nil	
Bbls. of Water Ahead	3.1 m ³	3.6 m ³	2.9 m ³	Nil	Nil	
Displacement — Bbls. Water Bbls. Mud	.9 m ³ 24.9 m ³	.8 m ³ 19.7 m ³	.8 m ³ 8.26 m ³	Filler casing from top		
Slurry Weight	1870kg/m ³	1860	1865	1865		
Mixing Times — Start Finish	0100 0115	0500 0530	2300 2310	1400 1430	1600 1700	
Displacing Times — Start Finish	0120 0145	0540 0630	2315 2330	1445 1500		
Felt Plug Time	---	1800 hrs 79/02/02	1015 hrs 79/02/04			
Felt Plug Depth	---	2795 m	1280 m			

Surface Casing Cut 1.5 m Ft. Below Grd. Surface Plugs 1, 0, 100 Backs Plate Welded Yes/No

CASING SALVAGE: Shot off at _____ No. of Jts. Recovered _____

Remarks: _____

Agent in Charge _____

LOST CIRCULATION ZONES

Lost circulation was initially encountered at 555 m (56 m below 339.7 mm surface casing) while drilling in the Pennsylvanian Unit 2 member. A 9 m³ pill of LCM and viscous mud was displaced to the thief zone and initially appeared to cure the losses.

Drilling was resumed to 583 m at which depth all returns were lost. A total of 15 - 7 m³ pills composed of viscous mud and LCM (Fiber Cane, Kwik Seal, Sawdust) at concentrations varying from 68 - 115 kg/m³ were displaced to the thief zone without remedy. Drilling was resumed to 587 m with no returns. A cement plug consisting of 4.2 m³ of Class G Cement with 8% and 22 kg/m³ Cellophane mixed at a density of 1317 kg/m³ was displaced to the bottom hole.

After waiting on cement for 6 hours, the plug was drilled out however some minor losses were still observed. An 8 m³ pill composed of viscous mud and sawdust was then displaced to bottom and full returns were established.

Minor intermittent losses continued throughout the Pennsylvanian member to 975 m. No attempts were made to remedy the problem. Approximately 44 m³ of mud was lost while drilling from 1167 - 1175 m, however the zone appeared to heal with normal circulation. Intermittent losses continued to a depth of 1321 m at which depth the 244.5 mm intermediate casing was set.

No losses were encountered while drilling conductor and main hole.

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FORMATION LEAK OFF TEST

WELL NAME & NO.: Aquit Alder YT C-33 DATE: Jan. 5, 1979

SERVICE CO.: Rig pump (Halliburton) PUMP SIZE & TYPE: HT400 - 140 mm x 203 mm

DRILLED DEPTH: 1605 m MUD WEIGHT: 1030 kg/m³

CASING SIZE: 244 mm WEIGHT: 59.5 kg/m DEPTH: 1321 m BURST 39645 kPa
69.9

HYDROSTATIC PRESSURE @ CSG SHOE: 13348 kPa GRADIENT 10.10 kPa/m

MAX PRESSURE ALLOWED (25% of Burst): 9911 kPa MAX BHP EXPECTED kPa

PUMPING RATE (one) 1 L/m TOTAL VOLUME PUMPED 530 L

LEAK OFF PRESSURE (Gauge) 3447 kPa + HYD. PRESSURE = 16795 kPa

THE ABOVE FORMATION LEAK OFF PRESSURE IS EQUIVALENT TO A MUD WEIGHT OF 1296 kg/m³

FRACTURE GRADIENT 12.71 kPa/m



REMARKS:

Pressured up with Rig triple pump to 1380 kPa, then started pumping with air activated pump @ 1 L/mn for remainder of test. After test, Shut in 15 mn, bled off 70 kPa to approximately 3370 kPa.

WELL HISTORY REPORT

AQUIT ALDER YT C-33

SECTION IV:

LOGS

a) Logging Record

b) Final Prints of Logs

- Dipmeter (sent 78/04/11), Mud Log (sent 78/04/21)

(Remainder of Final logs will be forwarded upon receipt)

WELL HISTORY REPORT

Aquit Alder YT C-33

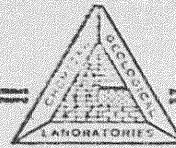
SECTION V:

ANALYSIS

- a) Sump Fluid Analysis
- b) Chemical Analysis

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

4203 - 129 AVENUE, EDMONTON, ALBERTA T5L 4N9



Date Reported: JULY 10, 1978

LABORATORY REPORT NUMBER: D78-9046

SUMP FLUID ANALYSIS

COMPANY: AQUITAINE COMPANY OF CANADA LTD.

WELL: AQUIT ALDER D-33

DATE SAMPLED:: JUNE 29, 1978

SUMP # 1

DATE RECEIVED: JUNE 30, 1978

DATE REPORTED: JULY 10, 1978

SAMPLED:

SAMPLE APPEARANCE AS RECEIVED: CLEAR WATER
FILTERED: NO

CHEMICAL ANALYSIS

pH (@ 70 °F) 8.1

CALCIUM (Mg/l) 270

CHLORIDE (Mg/l) 537

SULFATE (Mg/l) 1800

FISH BIOASSAY

TIME 04/07/78 3:30 % MORTALITY

IMMEDIATE NIL

24 HRS. NIL

48 HRS. NIL

72 HRS. NIL

96 HRS. NIL

REMARKS: BIOASSAY WAS CONDUCTED USING FINGERLING RAINBOW TROUT KEPT IN AN AERATED CONTAINER AT 15°C.