

REPORT FOR

CANDEL OIL LTD.

on

KINKADE CREEK

COAL LICENCE NUMBERS

6429

6430

N.T.S. Map 92-F-7

bу

M. Cholach, P. Geol., P. Eng.
Springfield Consulting Ltd.
12 Arb Close

Revider E CO GICAL BRANCH ASSESSMENT REPORT

00 059

#### TABLE OF CONTENTS

		<u>Page</u>
Conclusion	as and Recommendations	1
Location a	and Access	2
Listing of	Coal Licences	2
Description	on of Work Program	3 .
Geology		4
Drilling R	Results	4
Reclamatio	on Program	6
Expenditur	ces	8
Bibliograp	ohy	9
Certificat	ion	10
	LIST OF TABLES	
Table No.		
1	Listing of Coal Licences	2
2	Expenditures	8
	LIST OF FIGURES	
Fig. No.		
1	Location and Geologic Map	in Pocket
2	Drill Hole Location Maps	5
3	Drill Hole Abandonment Sketches	7
	APPENDICES	
No.		
Α	Drill Hole Summary Sheets	11
В	Driller's Logs	15
С	Geophysical Logs	19

#### CONCLUSIONS AND RECOMMENDATIONS

The June 1981 exploration program on the Kinkade coal licences failed to locate any coal. All of the drill holes bottomed in fine-grained basaltic rocks at depths of about 40 feet or 12.2 m.

No further work is recommended on Coal Licence No.'s 6429 and 6430, and the licences should be surrendered.

#### LOCATION AND ACCESS

The Kindade Coal Licences, (6429 and 6430), are located about eight miles (12 km) northeast of Port Alberni, British Columbia. (Fig. 1) The Coal Licences are centered at about  $49^{\circ}$  19' north and  $124^{\circ}$  35' west. The licences are accessible by existing logging roads from Dashwood.

#### LISTING OF COAL LICENCES

A listing of the licences and acreages, is shown in Table 1.

TABLE 1: Listing of Kinkade Coal Licences

Licence No.	Acres	Hectares
6429	717	290
6430	<u>351</u>	<u>142</u>
	1,068	432

#### DESCRIPTION OF WORK PROGRAM

Coal Licence numbers 6429 and 6430 are held by CanDel Oil Ltd. The licences were explored by CanDel from June 1 to 3, 1981.

A T-650W Chicago Pneumatic air rotary drilling rig was used. Additional support equipment consisted of one flat-bed truck for pipe and equipment hauling, and one 4 X 4 pick-up for crew transportation.

The holes were geophysically logged using gamma ray, sidewall densilog, caliper and focused beam resistivity logs.

The exploration program was supervised by the writer.

#### GEOLOGY

Only thin remnants of the Comox Formation remain in the vicinity of the Kinkade coal licences. Furthermore, much of the area is covered with glacial till concealing much of the rock outcrop. (Fig. 1)

A total of three holes were drilled to a depth of about forty feet, or 12.2 m (Fig. 2), each. All of the holes bottomed in fine-grained basaltic rocks, and the drilling program was suspended.

#### DRILLING RESULTS

The total footage drilled for the three holes was 123 feet, or 37.5 m. Copies of the drill summary sheets, driller's logs and geophysical logs appear in Appendices A, B and C respectively.

CANDEL OIL LTD. CALGARY REVISED

INTERPRETATION BY: M. CHOLACH

DRAWN BY: MB CBJ DATE JULY 81

CHECKED BY:

SCALE: 1:50,000

# KINKADE EXPLORATION PROGRAM



6429

COMOX FORMATION
DRILL SITE K 81-1

- EXISTING ROAD COAL LEASE NUMBER

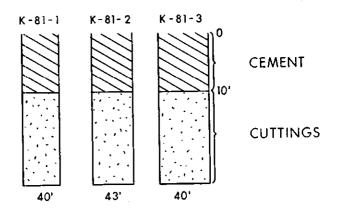
FIG. 2

#### RECLAMATION PROGRAM

All of the drill holes were partially filled with cuttings and then cemented to the surface, as shown in Fig. 3.

The holes were drilled on existing roads, and surface disturbance was minimal.

# KINKADE



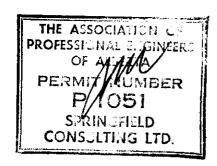


FIG. 3: DRILL-HOLE ABANDONMENT
DATA

### EXPENDITURES

A listing of the expenditures for the Kinkade project is shown in Table 2.  $\ \, . \ \,$ 

TABLE 2: Listing of Expenditures

Contractor	Expenses
Ken's Drilling Ltd.	\$2,729.93
Roke Oil Enterprises	869.29
Springfield Consulting	2,314.48
TOTAL	\$5,913.70

### REFERENCES

MILLER, J. E.: G.S.C. Paper 17-1968

#### CERTIFICATION

#### This will certify:

- 1. That I am a graduate of the University of Alberta, B.Sc., 1967 and M.Sc. in geology, 1969.
- Since my graduation I have continuously practised my profession in mining and exploration geology.
- 3. I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta as a Professional Geologist.
- 4. I am a member of the Association of Professional Engineers for the Yukon Territory as a Professional Engineer.
- 5. That I was employed by Tobe Mines Ltd. from May 1968 to December 1968, as a geologist at Uranium City.
- 6. That I was employed by Connaught Mines Ltd. from May 1969 to June 1970 as Resident Geologist in mineral exploration.
- 7. That I was employed by the Consolidation Coal Company as project geologist from July 1970 to July 1971; and as Manager of Canadian Exploration from August 1971 to December 1974.
- 8. That I have been a Consulting Geologist since January 1975 to the present.

Respectfully submitted

Melse

M.S. Cholach, P. Geol., P. Eng.

### APPENDIX A

Drill hole summary sheets for:

K 81-1

K 81-2

K 81-3

	·	Kin	kade		Year Ju	ne 2.	1981	t	D	RIL	LF	10	LE	- 12 SU	M!	MAR	Y SI	HEET	T_				·				1
Hole	incl.	Azimuth (degree)	Coordin	nates	Collar	Total		Ele	ectric	C Log		Dritt	Over-	Water	Щ.		Seam	Data	-			Elevation	,	Rig	j F ? 12	10	
umber	(deg)	(degree)	North South	East West	Collar Elevation	Depth	Gam.	Den:	Resis Heity	Date	Depth	Log	Depth Durgen	Depth	No.	Top Top	Bottom	Thickness	Sam com S	iplas wch	Bottom of Hole	Seam Top	Seam bottom	Rig rol di			Comments
K 81-	<u>,</u>			}		13.1	x	x	*	6/2								1				•		[ ] .			No Coal
	<del> </del>	†       †			1	1 2012	-			-, -									⇈			i		7	TT	1	
	-	<del>  -</del>		ļ	<u> </u>	<del> </del>	<del>       </del>	$\dashv$				-			┤─┤			<del> </del>	╁┼		<del> </del>	<del> </del> -	<del> </del>	<del>                                     </del>	┤┤┤	╅╅	
	↓				ļ.	ļ <u>.</u>			_[						<u> </u>			ļ. —	!	+	ļ <u> </u>	<u> </u>		╀	╀	╁╾╏	
				]	1		<u> </u>	_									_	<u> </u>	<u>i_</u>	⊥.		ļ	<u> </u>	ullet	<del>     </del>	11	
									[`												1		ĺ	П	]	11	
	·	f		f	·	<del> </del> -			* .		<u> </u>								11	十	1					11	
	<b>├</b>				<u> </u>	<del> </del>	┝		- 1	Calip	51 10	B			<del>  </del>			<del>  -</del> -	╀	╁	<del> </del>	<del> </del>		- -	╁┼	++	
			··	<u> </u>		<u> </u>							<u> </u>				ļ <u> </u>	ļ	<b>↓                                    </b>	4	<del> </del>	<del> </del>	!	- -	╂╌├╴	╂╌╁	
		!!		}	}	}	! !		- }			Į į			] ]		ļ	)	)		ļ		<u> </u>	ļ	Ш		···
· <del>-</del> -		<del> </del>		t	ļ —	<del>                                     </del>											·		П	Т							
	├	╂──┼	<del></del>	<del>                                       </del>		ļ. <del>-</del>	1-	┞╌╢			-						<del>                                     </del>	l —	++	+	<del> </del>	<del></del>	1		11		
	<u> </u>	1		ļ	↓	ļ	<u> </u>		-		<u></u> -	<del> </del> —		<b> _</b>				<b>├</b>	┼╌┟╸	+	<del> </del>	<del> </del>	<u> </u>	╁┼	╁┼┼		<del></del>
	}	} }		{	·	l							]	<u> </u>	_		<u> </u>	<u> </u>	1-1			<u> </u>	ļ	<u>                                     </u>	1.4	11	
											ļ			!			}	i		1		i	<b>\</b>			11	
	<del>  -</del>	<del> </del>	<del></del>	·	<del> </del>		1-	H				$\vdash$	<u> </u>	l			<u> </u>		11	$\top$				П		П	
	.	<u> </u>		<u> </u>	ļ.—	<del>\</del>	-		-			├	<del> </del>	<u> </u>	<del> </del> -	<del></del> -	-	<del> </del>	╂╾┠	+-	<del></del>	<del> </del>	<del> </del>	$\vdash$	╀	1 1	
	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>		Ш	_		ļ				1			<del> </del>	11	_ _	<u> </u>	<del></del>		╁┵	$\vdash\vdash$	1-1	
	1	1				ì	1		l						! '			1	11.								
	1	1		† ·	1	<b> </b>	1-						i —	ĺ			Ĭ		П	$\neg \vdash$	1	]				11	
		<del> </del>		<del> </del>	- <del> </del>	<del> </del>	╁╼	H	一			-		ļ —	1		<del> </del>	<del> </del>	+	$\dagger$	1	<del>                                     </del>	<b></b> -		11	11	
	ļ		<u></u>	<u> </u>	<del> </del>	ļ	<del> </del>	<b> </b>			ļ <u> </u>	_	<b> </b>		<b>{</b> -			<del>-</del>	╂═╂	-{-	-{	<del> </del> -	<del></del>	<del></del>	╁	+-1	
	1			_			<u> </u>	L						<u> </u>	<u> </u>	<del></del> <u></u>	<u> </u>	ļ <u>.</u>	ļļ		1	.	<u> </u>	<b>├</b> -	₽.	11	
				[			[	ÌΙ			}			!	'	i	ļ	1	11			1	ŀ	ł I	11	11	
	<del>                                     </del>	<del> </del>  -			-	<del> </del> -	<del>[</del> –	-	<del>   </del>		-		<del> </del>	ļ - · — -	1		†	<del> </del>	11	1			1		П	$\sqcap$	·-·
	<del> </del>	<del>│                                    </del>		<del></del>	<del></del>	<del> </del>			-		<del>                                     </del>	╁		<b>!</b>	<del>                                     </del>		i	<del> </del>	+	╌	<del>                                     </del>	<del> </del>	<del> </del>	╂═┼╌	11	╅	
	<u> </u>	11			<u>.</u>	<u> </u>		<u> </u>			ļ <u>.                                    </u>	ļ		ļ .	┺		<b> </b>	<b> </b>	┦╼┼	_ -	.	<b>↓</b>	<b>\</b>	┝╬	++		-
	1	1			)						<u> </u>		<u> </u>	l	L	l	<u> </u>	<u> </u>				<u> </u>		Ц.	11		
	1	1 1												}	_			}	11		1	1		1			
	<del> </del>	<del>  </del>		<del> </del>	1	<del> </del>	+	T	1			1			$\vdash$	<del>                                     </del>		1	1 1	_ -		-	<b> </b>	1	$\sqcap$	11	
	ļ	<b>├</b>		<del></del>	- <b> </b> -	<del> </del>	-}	-	<del>   </del>		<del> </del>	-	-				ļ- <b></b> -	<del> </del>	╫		┼	<del> </del>	╁━	++	╁╌┼	+-1	
						J	_	_				_			ــــــــــــــــــــــــــــــــــــــ	<b>!</b>	↓	<u> </u>	- -	_ _	-	<del></del>	1	┾┼	$\downarrow \downarrow$		
		]			1	1										i .	1			1		J	<u> </u>	Ш			
	-	<del>  </del>		<del> </del>		1	1	1			1	┌			1	i <u>-</u>			7	$\neg$				17	$\prod$		
	- <b> </b> -	<del>                                     </del>			-	-	-		<del>├</del>	-		├	<del> </del> -	<del> </del>	<del> </del>	<u> </u>	<del> </del>	┧━─	┨╾╂	- -	·	<del> </del>	1	<del>   </del>	++	1	
	1	1			1	1	1	1	1		l	J.,	J	l	.f	l	l		.		_	_	J	<u> _ _</u>	.  .	_!_	

	,	Ki:			Year <u>Ju</u>				D	RIL	L F	10	LΕ	รบ	M	MAR	Y SI	HEE.	T					Pag	, <u>1</u>	_ of	_1
Hale Number	Inct.	Azimuth_	Coprdi North		Coltar	Total	<u></u>	Ele	ctri	c Lag		Orili	Over-	Water			Seam	Data				Elevations	i	Rig	F	uid	
Number	(1960)	(degree)	South	East West	Elevation	Depth	Sain.	Dear I	16515	Date	Depth	Log	burden Depth	Tabl <del>e</del> Depth	No.	Depth Top	Depth Bottom	Thicknes	San	ples	Bottom of Hote	Seam Top	Seam bottom	m, 4		de mes	Comments
к 81-3						12.2	x	x	T	6/3	11.3						•			T		_	-	Π		וייי	No Coal
-									7						i		·	<del></del>	$\Box$			·		1:	$\top$	- -	110 0021
	<u> </u>	<del>  -</del>		<del> </del>	<del> </del>	<u> </u>	╁┼		+			-			$\vdash$	-	<del> </del>	<del> </del>	╂╌┼	-					1-1		,
				<del> </del> -	ļ ——		<b>{—</b> ∤	-	<b>-</b>  -					<u> </u>	<del> </del>			<del> </del>			<u> </u>			╀	44	-	
				ļ	<u> </u>		.		_			]						<u> </u>	Ш		<u> </u>	<u> </u>		<u> </u>	$\bot \bot$	_ _	
								_							, ,					1		i				11	
					}		[ ]	1				} _]					j—		П	T		}		П	П		
				<del></del>			1		┪	-					<del> </del>				1-1	-				1	1-1	11	· · ·
		<del>  </del>	<del></del>		ļ —	<u> </u>	╂─┤	}	+						╁─┤			<del> </del> -	┼┼	╁	}	<del></del>		╁┼	╁┼	+	<del></del>
. <u>.</u>		├		<del> </del>	<del></del>	<u> </u>	<del> </del>		-			<b> </b>						<u> </u>		-	<u> </u>	<u> </u>		-	╌├╾├		
		ļļ			[		1_1	_[				[						<u> </u>		1_	[	<u> </u>		<u> </u>	1.1	$\perp \!\! \perp \!\! \perp$	
				}	]	j		)	}			į)						ļ			ļ			] }	1 1	jļ	
			<u> </u>				1		7		-							1	17	十					$\sqcap$		
				<del> </del>			-		-+		<del> </del>	-		-			<del>  -</del>	<del> </del>	1 1	+	<del> </del> -			<del>   </del>	╀┤	+-1	<del></del>
	-	<del>  -</del>		<del> </del>		<del></del> _			-								<u> </u>	<del> </del>	╀┦╍	╀	<del> </del>	<u> </u>	<u> </u>		+	++	
			<del>.</del>	ļ <u></u>						<b></b>							l		∐.	$\perp$	<u> </u>	<u> </u>		Ц	11	_ _	
		l <u>.</u>		ļ	ļ			. 1	l		•						ĺ		ļί		ļ			] ]		11	
					-				7		_						<u> </u>	Ī	П	7	i			1	П	77	
				<del>                                     </del>					7			T-1			1-			<del>                                     </del>		1-		· · ·		$\sqcap$	$\dagger \dagger$	1	
	<del> </del>			<del> </del>	· · · · · · · · ·		1-1	-	-+						╂━-		<del></del>	<del> </del>	+	-[-	<del></del>	<del> </del>		┼	╁	-1-1	
	<u> </u>		<del>.</del>	ļ	ļ		<u> </u>		-			ļļ			<u> </u>		ļ	<u> </u>	┦╼┼		ļ <u>-</u>	<u> </u>	ļ	igspace	11		
							_				<u> </u>	<u> </u>							Ш.							_[_[	
			•	!	}				-									}		1	]	}	{	! !			
	i			<del>                                       </del>					_						-			ļ		1	<u> </u>	ļ		1	11	11	
				<del> </del>			╁╌┤		+						1		<del>                                     </del>	<del>                                      </del>	╁╌├	+		<del> </del>		$\vdash$	+	+	
	—	-		<del> </del> -	ļ			_	-			-		<u> </u>	-		<u> </u>	<u></u>	$\vdash$	+	<del></del>	<del> </del>	<u></u>	-	╁┼	╌	
				<u> </u>			1_]	[.	_ -			Щ				<u></u>	<u> </u>		1_1	_ _		<u> </u>	<u> </u>	Ц.	$\perp \perp$	-	
																		1					}				
								7											П	7		-			11	- -	
	<u> </u>	<del>                                     </del>		ļ	<del> </del>		-	<u>}</u>	$\dashv$		J			<del></del> -	<del> </del>		<del> </del>	}	┧╌┞	╅		<del> </del>	<del>                                     </del>	$\vdash \vdash$	╁	-	
	<b> </b>	<del>  </del>		<del> </del>	<del> </del> -				$\dashv$						<b>-</b>		<del>                                     </del>	<del> </del>	<del>-</del>   -	+	ļ <u>-</u>	<del> </del>		├-├-	╁╾┼	┸	
		<del> </del> -		ļ	<b> </b>		.[]		4						_		<u> </u>	Į	┦┤	4_		<u> </u>	<u> </u>		- - -	_ !	
		[ ] <sub>_</sub>		ļ <u> </u>	. <u>.</u>				_			<u> </u>			_		<u></u>					<u> </u>	l	Lŀ	<u> </u>	_	
		-							_[_								_		$\Box$	-}-		1		$\Box$ [		_	

в.	oject	K1	nkade		V7	ime 3	199	<b>8</b> 1	_						14 -				_					•		1 .		<u>]</u>
						u	<u> </u>	Ela	D	KIL	L	10	LE	รบ	וואו	VIAR	Y SI	HEE	<u> </u>			Elevations				ruid		<del></del>
Hole Number	(deg	Azimuth (degree)	North South	East	Collar Elevation	Depth	Nat.	Den- R	esis	Date	Depth	Fog	burden Danth	Table	No.	Depth	Depth	Thickness	San	nples	Bottom	Seam Top	Seam bottom					Comments
К 81-1	<del> </del>		John	1	<u> </u>	12.2	X	x .	*	6/3	8.8		D eptin	<u> 000(</u>	1-1	.00	DOLLOW		1007	<u> </u>	1	<del>1</del> 00	- Working					No Coal
	<del>                                     </del>			· · · · · ·	<u> </u>	14.4	-		7	0, 5	0.0	-						1	H	+				1	-	$\sqcap$	1	No wear
	· <del> </del>			<del> </del>	· ·	<del> </del>	$\vdash$		十		<u> </u>				$\vdash$		ļ		П	-			<del></del> -	$\sqcap$	十	$\sqcap$	+	
<del></del>	<del> </del>			<u> </u>	<del> </del>										<del>   </del>			-	<del>!-</del> †	十	<del>                                     </del>			$\Box$	十	$\top 1$	$\top$	
	-				<del> </del>				_	·	<u> </u>								f - f	<u> </u>	-			<del>   </del>	1	$\sqcap$	┪	
	-├			<del> </del>	<del> </del>			$\vdash$	* (	Calipe	r 100	┰	<del> </del> -	<del> </del>	┝╌╏		<del> </del>	<del>                                     </del>	1 1	+	<del> </del>		<del> </del> -	$\dagger \dagger$	+	11	+	
	<del> </del>	<del>  -</del>		<del>-</del>	<del>                                     </del>		╀╌╿	-				<del> -</del>	<del> </del>		╀┤		<del></del>	$\vdash$	╂	-{-	<del> </del>	<u> </u>	<del></del>	$\vdash$	十	1 †	1-	
		<b> </b>	· · · · · · · · · · · · · · · · · · ·	<del> </del>	<del> </del>	<del>                                       </del>	-		-+		<del> </del>	├		<b>}</b>	<del>  </del>		<del> </del>	<del> </del>	┦╼╏	- -	<del> </del>	<del> </del> -	<del> </del>	-	+	╂╌╁	+	
	<del> </del>		<u>-</u>	ļ	<del> </del>		<del> </del> -	-			<del>  -</del>	$\vdash$	<u> </u> -		╂╼┨	<u></u> -	<del> </del>	<del> </del>	╁┼		<del> </del>	<del> </del> -	<del> </del>	H	+	╁┼	+-	
	_			ļ	<u> </u>	<b>.</b>	_		-			-	<b> -</b>	]	-	<del>-</del>	<del> </del>	<del> </del> -	╀┦	+	<del> </del>	}	<del> </del>	<del>}                                    </del>	-}-	╂	- -	
	.	ļ		ļ	<b></b>	ļ <u> </u>					ļ	<u>                                     </u>	<u> </u>	<u> </u>	-		<u> </u>	<u> </u>	$\square$		ļ.—.—		<b> </b>		-}-	+1	-	<del></del>
. <u>.</u>	<u> </u>		·	<u> </u>		ļ	ļļ		.		<u> </u>	<u> </u>	ļ	ļ <u>.</u>			<b>)</b>	<del> </del>	14	_}_	ļ <u> </u>	ļ. —	ļ.——	╀	+		- -	
					<u> </u>				_		ļ	<u> </u>			_			<u> </u>	Ш	_ _	ļ	<del> </del>	ļ.—	-	4	-	ļ	
									_	_		_	<u> </u>	<u> </u>			<u> </u>		11		<u> </u>	ļ	ļ <u>-</u> -	$\sqcup$	1	$\downarrow \downarrow$	_	
						l			[		<u> </u>	<u> </u>						<u> </u>	Ш			<u> </u>	ļ			1.1	_ _	
	Ţ—								_			_	ļ								<u> </u>		ļ		$\perp$			
														]							<u> </u>	<u> </u>			1	11		
										_		Π					}	Γ		1			<u> </u>		Ţ			
	1				<u> </u>			П	_								Γ –		17								_    -	
	<del>                                     </del>	<b>†</b>		-	<del> </del>		-		7			1-	<del>[</del>		1-						T					$\lceil \rceil$		
	1	<b> </b>	<u> </u>	<del>                                     </del>		1 -					1	1								_[-				$\prod$	1	П	T	
	+	+-	<del></del> -	<del> </del>	1	1	1		7		1		1 -		1-				77	1	1			$\prod$	1	11		
	╅	<del> </del>		<del> </del>	<del> </del>	<b>-</b>	-	-				$\vdash$			<del> </del>		1		$\top$	$\exists$	ļ			11	$\top$	$\Box$	Ī	<u>, — </u>
	-	<del> </del>		<del></del>	<del> </del> -	+	╁-		<del></del>		1	╅	<del> </del>		1-	<del>                                     </del>	<del> </del>	<del> </del>		+	1			$\sqcap$	1	$\Box$	7	
	-  <b>-</b>				<del> </del>	<del> </del>	-	╁╌┼	{		<del>                                     </del>	-	<del> </del>		-		<del> </del>	<del>  -</del>	+	-	<del> </del>	1	<u> </u>	H	+	╅╏	_	
	-	+			<del>                                     </del>		$\vdash$	<del>  -  </del>			<del> </del> -	╁╾	<del> </del> -	<del>                                     </del>	-		<del> </del>	┼──	1-1	+	<del> </del>	<del> </del>	<del> </del>	╁┼	<del> </del>	╏╌╏	_	<del></del>
	-		<u> </u>		<del> </del>	<del> </del>	┼-	-				+	<del> </del>	<del> </del>	┼─	<del> </del>	<del> </del>	<del> </del>	+	- -	<del> </del>	<del> </del>	<del>                                     </del>	╁┑	-	┪┪		
		<del> </del> -		<u> </u>		<del></del>	-		$\dashv$		-	$\vdash$	<del>  -</del>	-	$\dashv$		<del> </del>	-	-	-	-	<del> </del>	<del> </del>	┢┪	+	╢		
	_	-		-	ļ <u>-</u>	- <del> </del>	-			<del></del>	·	-	·	<del> </del>			<del> </del>		+		<del> </del>	<del> </del> -	+	╁┪	+	+	+	
	1	<i>l</i> ,	1	ł	1	1	1	1 1	- 1		j	1		ļ		İ		.	_!_	_ _		<u> </u>	J			_ []	$\perp$	

### APPENDIX B

# Driller's logs for:

K 81-1

K 81-2

к 81-3

# DRILLER'S LOG

PROJECT: Kinkade DATE: June 3, 1981 HOLE NO.: K 81-1

From	<u>To</u>	Thickness	Description
. 0	5.8	5.8	Overburden
5.8	12.2	6.4	Volcanic rocks

T.D. <u>12.2 m</u>

# DRILLER' LOG

PROJECT: Kinkade DATE: June 2, 1981 HOLE NO.: K 81-2

From	<u>To</u>	Thickness	Description
0	2.4	2.4	0verburden
2.4	13.1	10.7	Green Volcanic rocks

T.D. <u>13.1 m</u>

# DRILLER'S LOG

PROJECT: Kinkade DATE: June 3, 1981 HOLE NO.: K 81-3

From	<u>To</u>	Thickness	Description
0	4.9	4.9	Overburden
4.9	12.2	7.3	Green Volcanic rocks

T.D. 12.2 m

# APPENDIX C

# Geophysical Logs:

K 81-1

K 81-2

K 81-3

NOTE: (Gamma log one metre higher than Density log)

						<b>—</b>	o l	ဂ ါ	,	<u>,                                    </u>	<u> -</u>	-n		Τ .	<b>5</b> F	- -	γ			<u> </u>		ν r-	1		<del>_</del>		
Recorded By	Truck No.	Operating Time		Min. Diam.	Liquid Level	Fluid Type	Casing Driller	Casing Roke	Depth Reached	Footage Logged	Last Reading	First Reading	Run. No.		Log Measured from	Permanent Datum				W	TWP	LSD	FILE	;			
WILSON		me					7		Š	ged					from		PR	_	<u> </u>	<u>κ</u>		•	NO CC			大	
Ž.	10	<b>*</b> %		. 12		ΑI	-		, «	, <sub>∞</sub>		00	ONE	1		GR	PROVINCE		FIELD	LOCATION_	WELL		COMPANY	OIL E		T	
Witne	106	≱ ношк		12.7 cm		AIR/WATER		- ACAC III	<b>8.</b> ⊗ ⊞	8.5 m			ONE 1981	GROUND-LEVEL	CROUND LEVEL	GROUND LEVEL	BRITISH		KINCA ID	VANC	× .	:	CANDEL	OIL ENTERPRISES			
Witnessed By								_					2		ŒI	- 1	ISH COLUMBIA		ÍÐ	VANCOUVER IS	21 - 1		OIL	ISES LTD.	<b>,</b>	SID	
СНОГАСН										•					Above	Elev.	MB IA	į		ISLAND	ם		LID. II			EWAL	GAMMA RAY
.CH															Above Perm. Datum		E		CONS	1	PERMIT	OF AL	THE ASSOCIAT	CALGARY,	ALIMEN	LL DE	GAMMA RAY
																	N	Other S	J			NAL ENGINEERS ALBERTA	ASSOCIATION C		٠	SIDEWALL DENSILOG	4
	:					í								METRIC			NONE	Other Services:			ند 	E Z	유	ALBERTÁ'		)G	
	<u>j</u> · ·															ļ											
	UN 10.	FR	GENE DEPT	THS TO	-		MIN	SEC	; <u> </u>	SET	ENS		DIV.	ERO L OR		PEF	LO	UNIT	•	T.C. SEC.	S SET	ENS TINGS	S DI	ZERC	O RR		DIV
ON			0	8.5	$\overline{}$	8		3			OO IPE	R	(	)L		7	AF	`I		0.5	5	000		2.89	R		.45
	REMA	RKS_	LOGGE	ED OPE	N H	OLE	•													CALI	PER	TOOI	<i>#</i> 7				
						<u></u>									•					LIPE		IANC	E I	OOL	11 202	<u></u>	
									DEPTHS						•			DIA		ER -							
			20						1	5							1	.0									<del></del>
		G	AMMA AP	A RAY																							
1			<del> </del> 7	7			70												•								
<u>-</u>												,								DEN MS/C		<b>1</b>		• .		_ *	
				e	****																						
	·				1873	-			130-		130		1.40-	1. <b>5</b> 0-		1.60-		1.70-		1.80-		<u>.</u>	2.00-	2.20	230	2.50	270
				Ē					36		58		100	1.50		1.60		1.70	energy relative to	1.80		§	2.00	210	<b>8</b>	2.50	270
					ANT C				,		38		16	1.50		1.50		1.76		1.00			2.00	2.6	230	2.50—	28
				<b>6</b>					`	· · · · · · · · · · · · · · · · · · ·	5		140			1.60		1.70		1.80		3	28	2.60	28 2	250	\$ \$ \$
				3				•	00	0	8			8		1.50		1.70		1.00			2.00	2.70-	8 8	256	270
				3	2			•	`	0	8			58		1.60		5.70		1.80		3	2.00	2.70-	88	2.50	
					2			3	`	0	8			1.58				1.70				3	78	2.20	88 8	250	
								3 >2	`	0	8			1.58				1.70				3	28	2.70	288	2250	
								3 32	`	0	8			8				1.70					200	2.00	28		
									`	0	8			58				1.70					200	2.70	78		
								3	`					158				1.70				3		28			
-2.5	RO		50	CPS -				3	00					158				1.70						SAVET OUR.		2/3	
-2.5	RO		50	ces -				3 > 2	00					158				1.70						OIV.R.			

42.17											**		ŕ						. –																
Recorded By WI		Truck No.	Operating Time				Min. Diam.	Liquid Level	Fluid Type	Casing Driller	Casing Roke	Depth Driller	Depth Reached	Footage Logged	Last Reading	First Reading	Date	Run, No.		Well Depths Measured from	Log Measured from _	Permanent Datum				¥ .	BGF T	SEC	LSD FILE NO.		1				
WILSON Witnessed By		106	¥ HOUR				12.7 cm		AIR/WATER	1	•	12.2 m	9.8 m	9.5 m	O	9.5 m	3 JUNE 1981	ONE		d from GROUND LEVEL	GROUND LEVEL	GROUND LEVEL	PROVINCE BRITISH COLUMBIA		FIELD KINCAID	LOCATION VANCOUVER		WELL K - 81 - 3	COMPANY CANDEL OIL LTD.		OIL ENTERPRISES LTD.				
, сногасн 59																		3	G.L.	Above Perm. Datum CSG	Elev X.B	LUMB IA NONE	Other Services	COMSULTER		PEX	OF ALBERTA	ITD. THE ASSOCIATION OF PROFESSIONAL ENGINEERS	-	CALGARY,	CALIPER	SIDEWALL DENSILOG	GAMMA RAY		
<u> </u>																	G/		METRIC									SIC	DEWA	LL D	ALBERTA	DG			
	NE									8 8		T.C.	+	SET	.00	GS	1	DIV.	ERO LOF	R		PE		PI		T.C. SEC.	_	SEN SETTI 500	NGS	DIV	.89 ]	$\neg$		9.45	
	REM	MAF	IKS	LOC	GGE	D O	PEI	OLI	Ε.		*	DEPTHS											DIA			IPE RES	R T	OOL OOL	<u>#78</u>	5					
											1																								

