

APPENDIX III

List of Wells

with

Geological Data

LEGEND

Well Reference (*denotes borehole outside Peel River map-area)

Well Name	Well Ref.	
North Latitude °.′.″, West Longitude °.′.″	Lat. Long.	
Y.T. and N.W.T. Land Survey System Total depth (m) Kelly bushing (m above sea-level)	LSS TD KB	
Mesozoic	Unnamed shale and sandstone unit	Mes Pu Pj Co Cb Ch Chc uDCf uDCt uDl
	Jungle Creek Formation Ettrairn Formation Blackie Formation Hart River Formation Chance Sandstone Member Ford Lake Shale Tuttle Formation Imperial Formation and equivalents	umDh uDe uDa mDra mDrr mDrp mDrst mDhg mDhb
Horn River Group Canol Formation	Allochthonous limestone unit - Sandy member - Reef member - Platform member - Siltstone lentil - Grey shale member - Bluefish Member	imD mDo mDh imDl imDa imDf IDt
Devonian carbonates assemblage Ogilvie Formation Hume Formation Landry Formation Arnica Formation Fort Norman Formation Tatsieta Formation	(R = includes Road River facies) (R = Road River Formation, Hume or upper Ogilvie equivalent) (R = Road River Formation, Arnica-Landry equivalent) (t = Fort Norman basal tongue) (R = Road River Formation, Tatsieta equivalent)	COBr SDp OSm COF COFc
Ronning Group Peel Formation Mount Kindle Formation Franklin Mountain Formation	(R = includes Road River facies) (R = Road River Formation, Peel equivalent) (R = Road River Formation, Mount Kindle equivalent or transitional unit) - Cherty member	C Csu Csa Csl Cca Ccl
Cambrian clastics-evaporites assemblage Saline River. Formation Mount Cap Formation Mount Clark Formation	- Upper clastic member - Salt member - Lower clastic member	P Po Pa Pd Ps
Proterozoic	Orthoquartzite unit (?Katherine Group) Argillite unit (?Tsezotene Formation) Dolomite unit (?Unnamed unit H-1) Shale unit	B

Subsea elevation (m) (*denotes above sea-level) at the top of:

B denotes top at bedrock

Well Ref.	C-31	C-33	C-60	C-78	D-08	D-40	D-51	D-53	*D-54
Well Name	At. Shoals C-31	Chevron West Parkin Y.T. C-33	Skelly Arctic Red Y.T. C-60	Skelly Fort McPherson C-78	Arco Sainville River D-08	Mobil Iroquois D-40	Socony West Parkin Y.T. D-51	Arco Iiume River D-53	Amoco Inuvik D-54
Lat. Long.	65.50.08 128.51.45	66.12.04 137.21.56	66.49.00 133.55.19	67.37.04 134.14.20	66.17.07 133.31.39	67.29.08 129.52.20	66.10.09 137.26.05	65.52.03 129.11.00	68.23.13 133.44.25
LSS TD KB	C31660012845 1981 88	C33662015715 1257 520	C60665013345 2600 92	C78674013400 3068 20	D08662013330 2652 203	D40673012945 2591 216	D51662013715 1509 475	D53660012900 1268 88	D54683013330 1562 42
Mes	B	B	B	-	B	-	B	B	B
Pu	-	-	-	-	-	-	-	-	-
Pj	-	-	-	-	-	-	-	-	-
Pye	-	-	-	-	-	-	-	-	-
Pyb	-	-	-	-	-	-	-	-	-
Mh	-	355	-	-	-	-	660	-	-
Mhc	-	355	-	-	-	-	708	-	-
uDMF	-	-	-	-	-	-	-	-	-
uDMt	-	-	65	-	371	-	-	-	-
uDMI	-	-	101	B 23	727	-	-	361	-
umDh	130	-	1512	1886	1468	B +204	-	398	-
uDc	-	-	1512	1886	1468	-	-	-	-
uDa	-	-	-	-	-	-	-	398	Possible
mDrs	-	-	-	-	-	-	-	-	-
mDrr	130	-	-	-	-	-	-	404	Devonian
mDrp	360	-	-	-	-	-	-	507	-
mDrst	-	-	-	-	-	-	-	-	at
mDhg	491	-	-	-	-	+204	-	550	-
mDhb	579	-	1577	1920	1528	+58	-	733	278
ImD	608	-	1581	1922	1533	+53	-	747	-
mDc	-	-	-	-	-	-	-	-	-
mDh	608	-	1581	1922	1533	+53	-	747	-
ImDl	720	-	1686	2000	1679	30	-	841	-
ImDa	791	-	2083	2336	2220	271	-	1015	-
ImDf	911	-	-	-	-	-	-	t 1103	-
IDt	-	-	2207	2364	2251	453	-	-	-
COsr	960	-	2238	2396	2303	466	-	1158	352
SDp	-	-	2238	2396	2303	466	-	-	-
OSm	960	-	-	2672	-	593	-	1158	-
COF	1128	-	-	2989	-	825	-	-	352
COFc	1140	-	-	2989	-	909	-	-	352
C	1782	-	-	-	-	1629	-	-	1167
Csu	1782	-	-	-	-	1629	-	-	-
Css	1810	-	-	-	-	1665	-	-	-
Cs1	-	-	-	-	-	1735	-	-	-
Cca	-	-	-	-	-	1779	-	-	-
Ccl	-	-	-	-	-	-	-	-	-
P	-	-	-	-	-	1932	-	-	-
Pe	-	-	-	-	-	-	-	-	-
Pa	-	-	-	-	-	-	-	-	-
Pd	-	-	-	-	-	1932	-	-	-
Ps	-	-	-	-	-	2176	-	-	-

Well Ref.	H-34o	*H-34w	H-37	H-38	H-47h	H-47m	H-57	H-59	H-71
Well Name	At. Ontaratue H-34	Union Wolverine H-34	Shell Trail River Y.T. H-37	I.O.B. Tree River H-38	Glacier Hare Indian No. 1	Arco Mountain River H-47	Shell Tree River East H-57	Shell Peel River Y.T. H-59	Mobil Peel Y.T. H-71
Lat. Long.	66.23.23 132.05.52	68.23.19 130.38.00	66.36.16 134.50.59	67.17.21 132.21.00	66.17.23 128.37.30	65.46.23 129.07.50	67.06.27 132.24.49	66.38.18 134.39.33	66.20.29 134.43.35
LSS TD KB	H34663013200 4075 142	H34683013030 2042 146	H37664013445 3722 394	H38672013215 1279 80	H47662012830 169 45	H47655012900 1045 94	H57671013215 1981 108	H59664013430 763 34	H71663013430 3392 513
Mes	B	-	B	-	-	B	-	B	?
Pu	-	-	-	-	-	-	-	-	-
Pj	-	-	-	-	-	-	-	-	-
Pye	-	-	-	-	-	-	-	-	-
Pyb	-	-	-	-	-	-	-	-	-
Mh	-	-	-	-	-	-	-	-	-
Mhc	-	-	-	-	-	-	-	-	-
uDMf	-	-	-	-	-	-	-	-	-
uDMt	-	-	252	-	-	-	-	262	?B +482
uDMI	118	B +142	1450	B 3	-	+25	B +108	-	249
umDh	744	132	2306	636	B +34	24	606	-	1334
uDc	744	132	2306	636	-	-	606	-	1334
uDa	-	-	-	-	-	-	-	-	-
mDrs	-	-	-	-	-	-	-	-	-
mDrr	-	-	-	-	-	24	-	-	-
mDrp	-	-	-	-	-	164	-	-	-
mDrst	-	-	-	-	-	-	-	-	-
mDhg	-	190	-	-	+34	351	-	-	-
mDhb	830	310	-	-	104	386	687	-	-
ImD	842	322	2310	698	119	397	696	-	1365
mDc	-	-	-	-	-	-	-	-	-
mDh	842	322	2310	698	119	397	696	-	T 1365
ImDl	961	375	2398	724	-	501	795	-	T 1509
ImDa	1382	600	-	972	-	638	1062	-	-
ImDf	-	-	-	-	-	t 754	-	-	-
lDt	1457	811	3092	-	-	-	1293	-	T 2121
COSr	1526	893	3117	-	-	796	1440	-	2139
SDp	1526	893	3117	-	-	-	1440	-	T 2139
OSm	1763	1125	-	-	-	796	1660	-	2270
COF	1962	1368	-	-	-	-	-	-	2491
COfc	2022	1528	-	-	-	-	-	-	T 2617
C	2742	-	-	-	-	-	-	-	-
Csu	2742	-	-	-	-	-	-	-	-
Css	-	-	-	-	-	-	-	-	-
Csl	-	-	-	-	-	-	-	-	-
Cca	2782	-	-	-	-	-	-	-	-
Ccl	? 2876	-	-	-	-	-	-	-	-
P	2968	-	-	-	-	-	-	-	-
Pe	-	-	-	-	-	-	-	-	-
Pa	2968	-	-	-	-	-	-	-	-
Pd	3844	-	-	-	-	-	-	-	-
Ps	-	-	-	-	-	-	-	-	-

T denotes transitional facies

Well Ref.	P-34	P-75
Well Name	Socony Molar Y.T. P-34	Decalta Rond Lake No. 1
Lat. Long.	67.03.59 138.36.00	67.04.48 128.28.28
LSS TD KB	P34671013830 2653 803	P75671012815 456 122
Mes	B	-
Pu		-
PJ		-
Pyo		-
Pyb		-
Mh		-
Mhc		-
uDMF		-
uDMt		-
uDMI		-
umDh		-
uDc		-
uDa		-
mDra		-
mDrr		-
mDrp		-
mDrat		-
mDhg		-
mDhb		-
ImD		B +69
mDc		-
mDh		+69
ImDl		17
ImDa		265
ImDf		
IDt		
COSr		
SDp		
OSm		
COF		
COfc		
C		
Csu		
Css		
Csl		
Cca		
Ccl		
P		
Ps		
Pa		
Pd		
Ps		