

S C I E N T I F I C D R I L L I N G I N T E R N A T I O N A L

SDI Job No.
90-KP-1200-324

Inrun Survey
for

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Canadian Forest Oil Ltd.

Well Name : CDN FOREST et al N LIARD C-31

Date : 16-DEC-2000

Well No. : C-31

Depth (Metres)	T.V.D. (Metres)	Inc Deg.	True North	Co-ordinates		D-leg /30	Closure	
			Azimuth Deg.	(N+/S-)	(E+/W-)		Dist. (Metres)	Dir. Deg.
705.20	702.81	8.13	55.57	32.85	15.44	0.00	36.3	25.2
725.10	722.56	5.81	61.85	34.12	17.49	3.68	38.3	27.1
750.10	747.44	5.43	66.09	35.20	19.69	0.68	40.3	29.2
775.10	772.35	4.31	70.04	36.00	21.65	1.40	42.0	31.0
800.10	797.30	3.02	79.55	36.44	23.18	1.71	43.2	32.5
825.10	822.27	2.58	84.66	36.61	24.39	0.61	44.0	33.7
850.10	847.25	2.43	85.86	36.70	25.48	0.19	44.7	34.8
875.10	872.22	2.29	86.45	36.77	26.50	0.17	45.3	35.8
900.10	897.21	2.19	86.65	36.83	27.48	0.12	46.0	36.7
925.10	922.19	2.26	85.09	36.90	28.45	0.11	46.6	37.6
950.10	947.17	2.14	83.39	36.99	29.40	0.16	47.3	38.5
975.10	972.15	2.15	81.32	37.12	30.33	0.09	47.9	39.3
1000.10	997.13	2.26	81.67	37.26	31.28	0.13	48.7	40.0
1025.10	1022.11	2.19	80.37	37.41	32.24	0.10	49.4	40.8
1050.10	1047.10	2.02	81.21	37.56	33.15	0.21	50.1	41.4
1075.10	1072.08	1.98	83.43	37.68	34.01	0.10	50.8	42.1
1100.10	1097.07	1.90	83.84	37.77	34.85	0.10	51.4	42.7
1125.10	1122.05	1.85	86.92	37.84	35.67	0.14	52.0	43.3
1150.10	1147.04	1.84	87.74	37.87	36.47	0.03	52.6	43.9
1175.10	1172.03	1.90	84.50	37.93	37.28	0.15	53.2	44.5
1200.10	1197.01	1.98	84.59	38.01	38.13	0.10	53.8	45.1
1225.10	1222.00	2.11	83.02	38.11	39.01	0.17	54.5	45.7
1250.10	1246.98	2.35	80.50	38.25	39.98	0.31	55.3	46.3
1275.10	1271.95	2.70	77.39	38.46	41.06	0.45	56.3	46.9
1300.10	1296.92	2.84	75.79	38.74	42.23	0.19	57.3	47.5
1325.10	1321.89	3.42	75.50	39.08	43.55	0.70	58.5	48.1
1350.10	1346.84	3.93	75.47	39.48	45.10	0.61	59.9	48.8
1375.10	1371.78	4.02	75.18	39.92	46.78	0.11	61.5	49.5
1400.10	1396.71	4.01	76.56	40.35	48.48	0.12	63.1	50.2
1425.10	1421.65	4.02	78.90	40.72	50.19	0.20	64.6	50.9
1450.10	1446.60	3.65	81.54	41.01	51.84	0.49	66.1	51.7
1475.10	1471.56	2.87	88.89	41.13	53.25	1.06	67.3	52.3
1500.10	1496.52	2.93	88.40	41.16	54.51	0.08	68.3	52.9
1525.10	1521.49	3.02	82.93	41.26	55.81	0.36	69.4	53.5
1550.10	1546.45	3.33	78.46	41.49	57.17	0.48	70.6	54.0

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Depth (Metres)	T.V.D. (Metres)	Inc Deg.	True North	Co-ordinates (N+/S-)	Co-ordinates (E+/W-)	D-leg /30	Closure	
			Azimuth Deg.				Dist. (Metres)	Dir. Deg.
1575.10	1571.41	3.44	76.99	41.80	58.61	0.17	72.0	54.5
1600.10	1596.36	3.50	76.79	42.15	60.09	0.07	73.4	55.0
1625.10	1621.31	3.92	73.78	42.56	61.65	0.56	74.9	55.4
1650.10	1646.24	4.59	70.98	43.12	63.42	0.84	76.7	55.8
1675.10	1671.15	5.06	71.61	43.80	65.41	0.57	78.7	56.2
1700.10	1696.05	5.33	72.23	44.50	67.56	0.33	80.9	56.6
1725.10	1720.94	5.21	69.78	45.25	69.73	0.31	83.1	57.0
1750.10	1745.85	4.55	69.73	45.98	71.73	0.79	85.2	57.3
1775.10	1770.78	4.33	71.66	46.62	73.55	0.32	87.1	57.6
1800.10	1795.71	4.00	71.50	47.20	75.28	0.40	88.8	57.9
1825.10	1820.65	3.92	71.53	47.74	76.91	0.10	90.5	58.2
1850.10	1845.60	3.67	69.91	48.29	78.47	0.33	92.1	58.4
1875.10	1870.54	3.72	68.00	48.87	79.98	0.16	93.7	58.6
1900.10	1895.49	3.82	68.54	49.48	81.50	0.13	95.3	58.7
1925.10	1920.43	3.86	70.81	50.06	83.08	0.19	97.0	58.9
1950.10	1945.37	4.09	76.48	50.54	84.74	0.55	98.7	59.2
1975.10	1970.31	3.95	91.21	50.73	86.46	1.25	100.2	59.6
2000.10	1995.26	3.78	116.92	50.34	88.06	2.07	101.4	60.2
2025.10	2020.21	3.70	131.93	49.43	89.39	1.18	102.2	61.1
2050.10	2045.16	3.46	138.35	48.33	90.50	0.56	102.6	61.9
2075.10	2070.11	3.56	134.98	47.22	91.55	0.28	103.0	62.7
2100.10	2095.06	3.51	134.46	46.13	92.64	0.07	103.5	63.5
2125.10	2120.03	2.06	134.85	45.28	93.51	1.74	103.9	64.2
2150.10	2145.02	1.63	134.30	44.71	94.08	0.52	104.2	64.6
2175.10	2170.01	1.35	137.01	44.25	94.53	0.35	104.4	64.9
2200.10	2195.00	1.45	139.25	43.79	94.94	0.14	104.6	65.2
2225.10	2219.99	1.78	152.35	43.21	95.33	0.59	104.7	65.6
2250.10	2244.98	2.25	161.12	42.40	95.67	0.67	104.6	66.1
2275.10	2269.96	2.46	166.44	41.42	95.95	0.36	104.5	66.7
2300.10	2294.93	2.53	167.81	40.35	96.19	0.11	104.3	67.2
2325.10	2319.91	2.59	166.61	39.27	96.44	0.10	104.1	67.8
2350.10	2344.88	2.67	166.21	38.15	96.71	0.10	104.0	68.5
2375.10	2369.87	0.94	96.75	37.56	97.05	3.00	104.1	68.8
2400.10	2394.86	1.88	16.80	37.93	97.38	2.34	104.5	68.7
2425.10	2419.84	3.11	0.51	39.00	97.50	1.69	105.0	68.2

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			Azimuth Deg.			Dist. (Metres)	Dir. Deg.
2450.10	2444.80	3.59	356.37	40.46 97.46	0.64	105.5	67.5
2475.10	2469.74	4.28	345.44	42.14 97.17	1.22	105.9	66.6
2500.10	2494.66	4.77	340.50	44.03 96.59	0.75	106.2	65.5
2525.10	2519.57	5.14	335.44	46.02 95.78	0.69	106.3	64.3
2550.10	2544.46	5.65	335.33	48.16 94.80	0.61	106.3	63.1
2575.10	2569.33	5.91	327.78	50.37 93.60	0.96	106.3	61.7
2588.90	2583.05	5.98	322.72	51.54 92.79	1.15	106.1	60.9
2629.00	2622.94	5.98	322.72	54.87 90.26	0.00	105.6	58.7

The Horizontal Displacement (in Metres) at
Measured Depth 2629.00 is 105.62 in a Direction of 58.70 Degrees