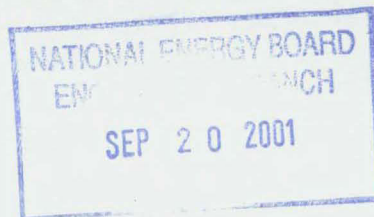


Directional Drilling Report
CDN Forest et al N. Liard C-31
Grid Area N60/40 W123/30



Ryan Energy Technologies Inc.



Directional Drilling Report
CDN Forest et al N. Liard C-31
Grid Area N60/40 W123/30

Prepared For:
Randy Nelson
Canadian Forest Oil Ltd.

Prepared by:
Amy Pederson
January 4, 2001

Ryan Energy Technologies Inc

Actual Survey Report

Company: Canadian Forest Oil Ltd.		Date: 1/4/2001	Time: 07:21:37	Page: 1
Field: North Liard		Co-ordinate(N/E) Reference: Site: CDN Forest et al North Liard C-31		
Site: CDN Forest et al North Liard C-31		Vertical (TVD) Reference: RKB 485.0		
Well: Grid Area N60/40 W123/30		Section (VS) Reference: Site (0.00N,0.00E,65.36Azi)		
Wellpath: 3134 OH		Survey Calculation Method: Minimum Curvature Db: Sybase		

Survey: Actual Wellpath As Drilled	Start Date: 8/18/2000
Company: Ryan Energy Technologies Inc	Engineer: Amy Pederson
Tool: Ryan MWD, Good Magnetic	Tied-to: From Surface

Field: North Liard	
Map System: Canadian UTM Zones (NAD83/GRS80)	Map Zone: UTM Zone 10, North 126W to 120W
Geo Datum: WGS 1984	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2000

Site: CDN Forest et al North Liard C-31 36.3m FEL-3.4m FSL Ground Elevation @ W/C: 481.5m			
Site Position:	Northing: 6707262.22 m	Latitude: 60 30 0.316 N	
From: Geographic	Easting: 466488.71 m	Longitude: 123 36 36.134 W	
Position Uncertainty: 0.00 m		North Reference: True	
Ground Level: 481.50 m		Grid Convergence: -0.53 deg	

Well: Grid Area N60/40 W123/30		Slot Name:	
Well Position: +N/-S 0.00 m	Northing: 6707262.22 m	Latitude: 60 30 0.316 N	
+E/-W 0.00 m	Easting: 466488.71 m	Longitude: 123 36 36.134 W	
Position Uncertainty: 0.00 m			

Wellpath: 3134 OH		Drilled From: Surface	
Current Datum: RKB	Height 485.00 m	Tie-on Depth: 0.00 m	
Magnetic Data: 0/0/2000		Above System Datum: Mean Sea Level	
Field Strength: 0 nT		Declination: 25.95 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 0.00 deg	
m	m	+E/-W	Direction
		m	deg
0.00	0.00	0.00	65.36

Survey								
MD m	Incl deg	Azim deg	Sys TVD m	N/S m	E/W m	VS m	DLS deg/30m	Tool/Comment
0.00	0.00	0.00	-485.00	0.00	0.00	0.00	0.000	Ryan MWD
39.00	0.50	2.00	-446.00	0.17	0.01	0.08	0.385	Ryan MWD
71.00	0.25	336.00	-414.00	0.37	-0.02	0.14	0.278	Ryan MWD
88.00	0.50	58.00	-397.00	0.45	0.03	0.21	0.930	Ryan MWD
116.00	0.50	217.00	-369.00	0.41	0.06	0.23	1.053	Ryan MWD
145.00	0.50	11.00	-340.00	0.44	0.01	0.19	1.008	Ryan MWD
181.16	0.50	86.00	-303.84	0.60	0.20	0.43	0.505	Ryan MWD
201.00	0.50	301.00	-284.00	0.65	0.21	0.46	1.442	Ryan MWD
210.72	0.60	339.00	-274.28	0.72	0.15	0.44	1.143	Ryan MWD
213.44	0.40	39.00	-271.56	0.74	0.15	0.45	5.836	Ryan MWD
218.93	0.30	315.90	-266.07	0.77	0.16	0.46	2.570	Ryan MWD
223.00	0.30	36.00	-262.00	0.78	0.16	0.47	2.846	Ryan MWD
232.73	0.30	16.00	-252.27	0.83	0.18	0.51	0.321	Ryan MWD
242.60	0.60	358.20	-242.40	0.91	0.18	0.54	0.995	Ryan MWD
252.00	0.60	12.60	-233.01	1.00	0.19	0.59	0.480	Ryan MWD
261.50	2.00	356.10	-223.51	1.22	0.19	0.68	4.531	Ryan MWD
270.90	0.40	287.00	-214.11	1.39	0.15	0.72	6.046	Ryan MWD
280.62	0.90	298.10	-204.39	1.44	0.05	0.64	1.584	Ryan MWD
290.35	1.30	315.90	-194.66	1.55	-0.10	0.56	1.608	Ryan MWD
300.07	2.10	312.70	-184.95	1.75	-0.30	0.46	2.485	Ryan MWD
309.50	3.00	317.11	-175.53	2.05	-0.60	0.31	2.928	Ryan MWD
326.48	3.00	313.70	-158.57	2.68	-1.22	0.01	0.315	Ryan MWD
335.91	3.20	312.70	-149.15	3.03	-1.59	-0.18	0.659	Ryan MWD
356.89	4.00	320.00	-128.21	3.99	-2.49	-0.60	1.316	Ryan MWD

Ryan Energy Technologies Inc

Actual Survey Report

Company: Canadian Forest Oil Ltd. Field: North Liard Site: CDN Forest et al North Liard C-31 Well: Grid Area N60/40 W123/30 Wellpath: 3134 OH	Date: 1/4/2001 Co-ordinate(NE) Reference: Site: CDN Forest et al North Liard C-31 Vertical (TVD) Reference: RKB 485.0 Section (VS) Reference: Site (0.00N,0.00E,65.36Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD m	Incl deg	Azim deg	Sys TVD m	N/S m	E/W m	VS m	DLS deg/30m	Tool/Comment
384.16	4.40	312.50	-101.02	5.42	-3.88	-1.26	0.747	Ryan MWD
413.02	5.70	328.30	-72.27	7.39	-5.45	-1.87	1.967	Ryan MWD
422.79	5.70	330.40	-62.55	8.23	-5.94	-1.97	0.640	Ryan MWD
432.34	6.90	343.30	-53.05	9.19	-6.34	-1.93	5.807	Ryan MWD
442.09	7.50	352.90	-43.38	10.38	-6.59	-1.66	4.130	Ryan MWD
451.84	7.40	359.30	-33.71	11.64	-6.67	-1.21	2.570	Ryan MWD
461.15	7.30	10.20	-24.48	12.82	-6.58	-0.63	4.498	Ryan MWD
470.04	7.10	17.40	-15.66	13.90	-6.31	0.06	3.117	Ryan MWD
479.76	7.10	27.60	-6.01	15.01	-5.85	0.94	3.886	Ryan MWD
489.31	6.90	29.10	3.47	16.03	-5.30	1.87	0.851	Ryan MWD
499.01	6.70	33.50	13.10	17.01	-4.71	2.82	1.725	Ryan MWD
508.76	6.90	35.70	22.78	17.96	-4.05	3.81	1.010	Ryan MWD
518.04	6.50	42.00	32.00	18.81	-3.37	4.77	2.703	Ryan MWD
527.56	6.30	42.20	41.46	19.59	-2.66	5.75	0.634	Ryan MWD
536.72	6.00	39.70	50.56	20.33	-2.02	6.64	1.317	Ryan MWD
546.49	6.10	39.00	60.28	21.13	-1.37	7.57	0.382	Ryan MWD
556.03	6.30	37.40	69.76	21.94	-0.73	8.49	0.831	Ryan MWD
565.79	6.60	38.60	79.46	22.80	-0.05	9.46	1.011	Ryan MWD
575.56	6.90	44.40	89.16	23.66	0.71	10.51	2.286	Ryan MWD
585.31	7.30	46.20	98.84	24.51	1.56	11.64	1.408	Ryan MWD
595.09	7.70	45.50	108.54	25.40	2.48	12.84	1.259	Ryan MWD
603.53	8.10	51.00	116.90	26.17	3.35	13.95	3.038	Ryan MWD
613.22	8.20	51.10	126.49	27.03	4.41	15.28	0.313	Ryan MWD
622.96	8.30	49.00	136.13	27.93	5.49	16.63	0.978	Ryan MWD
632.21	7.90	51.00	145.28	28.77	6.48	17.89	1.587	Ryan MWD
641.63	8.00	50.10	154.61	29.60	7.49	19.15	0.508	Ryan MWD
651.38	8.10	48.70	164.27	30.48	8.53	20.46	0.677	Ryan MWD
660.89	7.70	50.20	173.69	31.33	9.52	21.72	1.419	Ryan MWD
670.31	7.60	48.50	183.02	32.15	10.47	22.92	0.788	Ryan MWD
680.04	7.00	50.40	192.67	32.96	11.41	24.11	1.994	Ryan MWD
689.30	7.30	53.90	201.86	33.66	12.32	25.23	1.713	Ryan MWD
696.00	7.60	55.20	208.51	34.17	13.03	26.08	1.541	Ryan MWD
711.00	7.60	52.67	223.37	35.33	14.63	28.03	0.669	Ryan MWD
719.15	7.60	51.30	231.45	36.00	15.48	29.08	0.667	Ryan MWD
728.91	7.50	53.40	241.13	36.78	16.49	30.33	0.902	Ryan MWD
738.44	6.90	57.60	250.58	37.46	17.48	31.50	2.511	Ryan MWD
748.12	6.20	62.70	260.20	38.01	18.43	32.60	2.819	Ryan MWD
756.97	5.80	67.80	269.00	38.40	19.27	33.52	2.258	Ryan MWD
766.29	5.10	77.80	278.28	38.66	20.11	34.40	3.790	Ryan MWD
776.05	4.30	86.30	288.01	38.78	20.90	35.17	3.254	Ryan MWD
785.79	3.90	89.40	297.72	38.80	21.60	35.81	1.408	Ryan MWD
795.56	3.50	92.80	307.47	38.79	22.23	36.38	1.400	Ryan MWD
806.29	3.00	94.20	318.18	38.76	22.83	36.91	1.415	Ryan MWD
814.77	2.70	99.60	326.65	38.71	23.25	37.27	1.423	Ryan MWD
824.48	2.40	87.20	336.35	38.68	23.68	37.65	1.935	Ryan MWD
834.05	2.30	94.90	345.92	38.67	24.07	38.00	1.037	Ryan MWD
843.78	1.90	92.80	355.64	38.65	24.43	38.32	1.256	Ryan MWD
853.31	1.90	80.70	365.16	38.67	24.74	38.61	1.261	Ryan MWD
862.82	2.00	80.10	374.67	38.72	25.06	38.92	0.322	Ryan MWD
872.58	2.10	82.10	384.42	38.77	25.41	39.26	0.378	Ryan MWD
892.07	2.00	94.50	403.90	38.80	26.10	39.90	0.698	Ryan MWD
901.55	2.40	95.60	413.37	38.76	26.46	40.21	1.273	Ryan MWD

Ryan Energy Technologies Inc

Actual Survey Report

Company: Canadian Forest Oil Ltd. Field: North Liard Site: CDN Forest et al North Liard C-31 Well: Grid Area N60/40 W123/30 Wellpath: 3134 OH	Date: 1/4/2001 Co-ordinate(NE) Reference: Site: CDN Forest et al North Liard C-31 Vertical (TVD) Reference: RKB 485.0 Section (VS) Reference: Site (0.00N,0.00E,65.36Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD m	Incl deg	Azim deg	Sys TVD m	N/S m	E/W m	VS m	DLS deg/30m	Tool/Comment
920.99	2.20	96.70	432.80	38.68	27.24	40.88	0.316	Ryan MWD
930.52	2.30	93.10	442.32	38.65	27.61	41.21	0.545	Ryan MWD
940.00	2.20	86.80	451.79	38.65	27.98	41.55	0.844	Ryan MWD
949.70	2.20	76.10	461.49	38.70	28.35	41.90	1.269	Ryan MWD
968.78	2.50	63.80	480.55	38.98	29.08	42.68	0.920	Ryan MWD
987.76	2.30	70.30	499.51	39.29	29.81	43.47	0.533	Ryan MWD
997.30	2.40	73.30	509.05	39.41	30.18	43.86	0.498	Ryan MWD
1006.61	2.40	69.90	518.35	39.53	30.55	44.25	0.459	Ryan MWD
1025.31	2.50	81.20	537.03	39.73	31.32	45.03	0.790	Ryan MWD
1034.85	2.60	76.80	546.56	39.81	31.73	45.44	0.691	Ryan MWD
1044.59	2.40	79.60	556.29	39.90	32.15	45.86	0.722	Ryan MWD
1063.35	1.70	78.50	575.04	40.02	32.81	46.51	1.121	Ryan MWD
1082.60	1.70	68.20	594.28	40.19	33.35	47.07	0.476	Ryan MWD
1101.66	1.40	82.80	613.33	40.32	33.85	47.58	0.777	Ryan MWD
1130.81	1.60	98.10	642.47	40.31	34.60	48.26	0.459	Ryan MWD
1158.98	1.90	93.70	670.63	40.22	35.46	49.00	0.350	Ryan MWD
1178.46	2.30	96.80	690.10	40.16	36.17	49.62	0.640	Ryan MWD
1197.23	2.20	90.50	708.85	40.11	36.90	50.27	0.426	Ryan MWD
1226.31	2.30	85.10	737.91	40.15	38.04	51.32	0.242	Ryan MWD
1245.79	2.00	75.90	757.38	40.27	38.76	52.02	0.703	Ryan MWD
1265.05	2.60	71.70	776.62	40.49	39.50	52.79	0.970	Ryan MWD
1284.13	3.00	72.60	795.68	40.77	40.39	53.71	0.633	Ryan MWD
1303.61	3.00	73.60	815.13	41.07	41.37	54.72	0.081	Ryan MWD
1322.67	3.40	78.40	834.16	41.32	42.40	55.77	0.757	Ryan MWD
1341.21	4.10	77.70	852.66	41.58	43.58	56.95	1.135	Ryan MWD
1360.51	4.30	68.30	871.91	41.99	44.93	58.35	1.113	Ryan MWD
1379.66	4.40	71.00	891.01	42.49	46.29	59.79	0.357	Ryan MWD
1398.97	4.80	73.60	910.25	42.96	47.77	61.33	0.701	Ryan MWD
1408.63	4.80	75.70	919.88	43.18	48.55	62.13	0.546	Ryan MWD
1418.28	4.50	78.90	929.50	43.35	49.31	62.89	1.233	Ryan MWD
1427.85	4.10	79.80	939.04	43.48	50.01	63.59	1.272	Ryan MWD
1437.25	3.70	82.80	948.42	43.58	50.65	64.20	1.433	Ryan MWD
1447.00	3.40	84.50	958.15	43.65	51.25	64.78	0.978	Ryan MWD
1456.75	3.20	87.00	967.88	43.69	51.81	65.30	0.758	Ryan MWD
1475.22	3.00	94.70	986.33	43.68	52.80	66.20	0.750	Ryan MWD
1494.71	2.90	93.10	1005.79	43.61	53.80	67.09	0.199	Ryan MWD
1513.08	2.60	82.20	1024.14	43.64	54.68	67.90	0.982	Ryan MWD
1532.16	3.20	78.70	1043.20	43.80	55.63	68.83	0.983	Ryan MWD
1560.33	3.80	74.50	1071.31	44.21	57.30	70.51	0.694	Ryan MWD
1589.11	3.60	79.10	1100.03	44.63	59.11	72.33	0.373	Ryan MWD
1607.90	3.60	78.00	1118.79	44.87	60.26	73.48	0.110	Ryan MWD
1627.96	4.10	69.90	1138.80	45.24	61.55	74.81	1.103	Ryan MWD
1647.16	4.70	68.20	1157.94	45.77	62.93	76.28	0.959	Ryan MWD
1666.45	5.20	69.40	1177.16	46.37	64.48	77.94	0.794	Ryan MWD
1685.57	5.40	73.40	1196.20	46.94	66.15	79.70	0.659	Ryan MWD
1704.55	5.70	70.10	1215.09	47.51	67.90	81.52	0.692	Ryan MWD
1723.76	5.40	65.50	1234.21	48.21	69.62	83.38	0.838	Ryan MWD
1743.01	4.80	68.00	1253.39	48.89	71.19	85.09	0.997	Ryan MWD
1760.00	4.80	68.20	1270.32	49.42	72.51	86.51	0.030	Ryan MWD
1771.23	4.30	73.30	1281.51	49.71	73.34	87.39	1.717	Ryan MWD
1780.75	4.30	74.70	1291.00	49.91	74.03	88.10	0.331	Ryan MWD
1790.47	4.30	75.00	1300.70	50.10	74.73	88.82	0.069	Ryan MWD
1800.13	4.20	69.20	1310.33	50.32	75.42	89.53	1.370	Ryan MWD

Ryan Energy Technologies Inc

Actual Survey Report

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Survey

MD m	Incl deg	Azim deg	Sys TVD m	N/S m	E/W m	VS m	DLS deg/30m	Tool/Comment
1809.70	4.20	68.90	1319.87	50.57	76.07	90.23	0.069	Ryan MWD
1819.22	4.00	76.60	1329.37	50.77	76.72	90.90	1.844	Ryan MWD
1828.69	4.00	72.40	1338.82	50.95	77.35	91.55	0.928	Ryan MWD
1838.26	3.80	68.30	1348.36	51.17	77.97	92.20	1.075	Ryan MWD
1848.39	3.80	73.50	1358.47	51.39	78.60	92.87	1.020	Ryan MWD
1867.10	3.60	73.60	1377.14	51.73	79.76	94.06	0.321	Ryan MWD
1876.70	3.40	68.20	1386.73	51.92	80.31	94.65	1.204	Ryan MWD
1884.00	3.40	68.00	1394.01	52.08	80.71	95.08	0.049	Ryan MWD
1892.16	3.60	63.40	1402.16	52.29	81.17	95.58	1.267	Ryan MWD
1901.84	3.70	64.00	1411.82	52.56	81.72	96.19	0.332	Ryan MWD
1911.43	3.90	65.70	1421.39	52.83	82.29	96.83	0.718	Ryan MWD
1921.02	3.90	67.50	1430.95	53.09	82.89	97.48	0.383	Ryan MWD
1930.62	4.00	68.50	1440.53	53.34	83.51	98.14	0.379	Ryan MWD
1940.04	4.20	70.50	1449.93	53.57	84.14	98.81	0.783	Ryan MWD
1949.62	4.30	71.70	1459.48	53.80	84.81	99.52	0.419	Ryan MWD
1958.82	4.40	73.30	1468.65	54.01	85.47	100.21	0.513	Ryan MWD
1968.31	4.80	82.10	1478.11	54.17	86.22	100.95	2.561	Ryan MWD
1977.70	4.80	94.90	1487.47	54.19	87.00	101.67	3.415	Ryan MWD
1987.37	4.50	109.50	1497.11	54.03	87.76	102.29	3.777	Ryan MWD
1997.04	4.40	123.70	1506.75	53.70	88.42	102.76	3.423	Ryan MWD
2006.69	4.70	133.60	1516.37	53.22	89.02	103.10	2.610	Ryan MWD
2016.19	4.80	138.30	1525.84	52.65	89.56	103.36	1.269	Ryan MWD
2025.70	4.30	139.90	1535.32	52.08	90.06	103.57	1.627	Ryan MWD
2035.35	4.00	145.20	1544.94	51.53	90.48	103.73	1.513	Ryan MWD
2044.85	3.70	147.60	1554.42	51.00	90.84	103.83	1.075	Ryan MWD
2054.53	3.20	143.90	1564.08	50.52	91.16	103.93	1.696	Ryan MWD
2063.61	3.20	139.00	1573.15	50.12	91.48	104.05	0.903	Ryan MWD
2073.27	3.30	132.70	1582.79	49.73	91.86	104.23	1.151	Ryan MWD
2083.09	3.40	125.60	1592.60	49.37	92.31	104.48	1.303	Ryan MWD
2092.59	3.60	129.20	1602.08	49.02	92.77	104.75	0.938	Ryan MWD
2102.33	3.60	132.50	1611.80	48.62	93.23	105.01	0.638	Ryan MWD
2111.77	3.30	135.70	1621.22	48.22	93.64	105.21	1.133	Ryan MWD
2121.37	2.60	138.50	1630.81	47.86	93.97	105.37	2.233	Ryan MWD
2131.05	2.10	137.30	1640.48	47.57	94.24	105.49	1.557	Ryan MWD
2140.50	1.80	135.50	1649.93	47.33	94.46	105.59	0.972	Ryan MWD
2150.10	1.40	127.60	1659.52	47.15	94.66	105.70	1.425	Ryan MWD
2159.67	1.10	130.10	1669.09	47.02	94.82	105.79	0.956	Ryan MWD
2169.34	1.10	130.40	1678.76	46.90	94.96	105.87	0.018	Ryan MWD
2178.93	0.90	136.20	1688.35	46.79	95.09	105.94	0.700	Ryan MWD
2187.11	1.00	129.90	1696.53	46.70	95.19	105.99	0.530	Ryan MWD
2196.70	1.10	141.60	1706.12	46.57	95.31	106.05	0.738	Ryan MWD
2205.94	1.50	139.20	1715.35	46.41	95.44	106.10	1.310	Ryan MWD
2215.52	1.70	139.70	1724.93	46.21	95.61	106.17	0.628	Ryan MWD
2225.06	1.90	146.60	1734.46	45.97	95.79	106.24	0.926	Ryan MWD
2234.64	2.30	151.70	1744.04	45.67	95.97	106.27	1.381	Ryan MWD
2244.19	2.50	161.20	1753.58	45.30	96.13	106.26	1.396	Ryan MWD
2253.90	2.80	168.90	1763.28	44.87	96.24	106.19	1.436	Ryan MWD
2264.38	2.60	171.70	1773.75	44.38	96.33	106.06	0.686	Ryan MWD
2273.91	2.80	172.80	1783.27	43.94	96.39	105.93	0.650	Ryan MWD
2283.41	3.00	169.90	1792.76	43.46	96.46	105.80	0.783	Ryan MWD
2293.06	2.90	165.40	1802.39	42.98	96.57	105.69	0.784	Ryan MWD
2302.72	3.30	168.40	1812.04	42.47	96.68	105.59	1.340	Ryan MWD

Ryan Energy Technologies Inc

Actual Survey Report

Company: Canadian Forest Oil Ltd. Field: North Liard Site: CDN Forest et al North Liard C-31 Well: Grid Area N60/40 W123/30 Wellpath: 3134 OH	Date: 1/4/2001 Co-ordinate(NE) Reference: Site: CDN Forest et al North Liard C-31 Vertical (TVD) Reference: RKB 485.0 Section (VS) Reference: Site (0.00N,0.00E,65.36Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD m	Incl deg	Azim deg	Sys TVD m	N/S m	E/W m	VS m	DLS deg/30m	Tool/Comment
2312.31	3.40	168.20	1821.61	41.92	96.80	105.46	0.315	Ryan MWD
2321.66	3.50	166.60	1830.94	41.37	96.92	105.34	0.445	Ryan MWD
2331.28	3.20	160.60	1840.55	40.83	97.08	105.26	1.438	Ryan MWD
2340.96	3.00	155.70	1850.21	40.34	97.27	105.23	1.028	Ryan MWD
2350.60	2.60	152.20	1859.84	39.92	97.48	105.25	1.353	Ryan MWD
2360.28	1.70	145.20	1869.52	39.61	97.66	105.28	2.900	Ryan MWD
2369.75	0.90	82.80	1878.98	39.50	97.82	105.38	4.786	Ryan MWD
2379.35	1.40	22.60	1888.58	39.62	97.94	105.54	3.850	Ryan MWD
2388.81	2.20	10.90	1898.04	39.91	98.01	105.73	2.779	Ryan MWD
2399.18	2.60	7.30	1908.40	40.33	98.08	105.97	1.236	Ryan MWD
2408.87	3.10	1.40	1918.08	40.81	98.12	106.20	1.793	Ryan MWD
2418.52	3.30	358.90	1927.71	41.35	98.12	106.42	0.758	Ryan MWD
2428.03	4.00	359.10	1937.20	41.96	98.11	106.67	2.209	Ryan MWD
2439.43	3.90	356.10	1948.57	42.74	98.07	106.96	0.604	Ryan MWD
2449.01	4.40	348.70	1958.13	43.43	97.98	107.16	2.291	Ryan MWD
2458.23	4.80	346.30	1967.32	44.15	97.82	107.32	1.444	Ryan MWD
2471.82	5.20	347.10	1980.86	45.30	97.55	107.55	0.896	Ryan MWD
2481.23	5.40	337.60	1990.23	46.13	97.28	107.66	2.866	Ryan MWD
2490.71	5.30	336.40	1999.67	46.94	96.94	107.68	0.475	Ryan MWD
2499.87	5.30	334.80	2008.79	47.71	96.59	107.69	0.484	Ryan MWD
2511.00	5.60	334.50	2019.87	48.67	96.14	107.67	0.812	Ryan MWD
2519.25	5.90	332.72	2028.08	49.41	95.77	107.65	1.269	Ryan MWD
2528.92	5.60	328.86	2037.70	50.25	95.30	107.57	1.518	Ryan MWD
2538.41	6.20	329.40	2047.14	51.09	94.80	107.46	1.905	Ryan MWD
2548.08	6.40	332.70	2056.75	52.02	94.28	107.39	1.283	Ryan MWD
2558.67	6.70	331.50	2067.27	53.09	93.72	107.32	0.934	Ryan MWD
2565.11	6.80	329.70	2073.66	53.75	93.35	107.25	1.090	Ryan MWD
2575.75	6.50	325.50	2084.23	54.79	92.69	107.09	1.611	Ryan MWD
2585.24	6.70	320.60	2093.66	55.66	92.03	106.86	1.889	Ryan MWD
2594.67	7.00	319.00	2103.02	56.51	91.30	106.55	1.131	Ryan MWD
2604.14	7.20	315.10	2112.42	57.37	90.51	106.19	1.653	Ryan MWD
2613.39	7.40	316.00	2121.60	58.21	89.68	105.79	0.747	Ryan MWD
2617.57	7.10	313.40	2125.74	58.58	89.31	105.60	3.190	Ryan MWD
2629.60	6.92	314.94	2137.68	59.60	88.26	105.07	0.653	Ext. 9 5/8" Casing @ 2629.00m
2630.80	6.90	315.10	2138.87	59.71	88.15	105.02	0.653	Ryan MWD
2640.40	6.90	318.50	2148.40	60.55	87.37	104.65	1.276	Ryan MWD
2650.00	7.50	326.80	2157.93	61.50	86.64	104.39	3.748	Ryan MWD
2659.70	7.80	333.80	2167.54	62.62	86.00	104.28	3.025	Ryan MWD
2669.10	7.90	340.30	2176.85	63.80	85.50	104.32	2.850	Ryan MWD
2678.40	8.60	349.60	2186.06	65.09	85.16	104.54	4.854	Ryan MWD
2688.10	9.70	355.80	2195.64	66.62	84.97	105.01	4.564	Ryan MWD
2697.70	11.30	1.20	2205.07	68.36	84.93	105.70	5.865	Ryan MWD
2707.30	12.50	2.80	2214.47	70.34	85.00	106.59	3.889	Ryan MWD
2717.00	13.60	3.00	2223.92	72.53	85.11	107.60	3.405	Ryan MWD
2731.00	15.50	1.00	2237.47	76.04	85.23	109.18	4.211	Ext. to TD @ 2731.00m MD

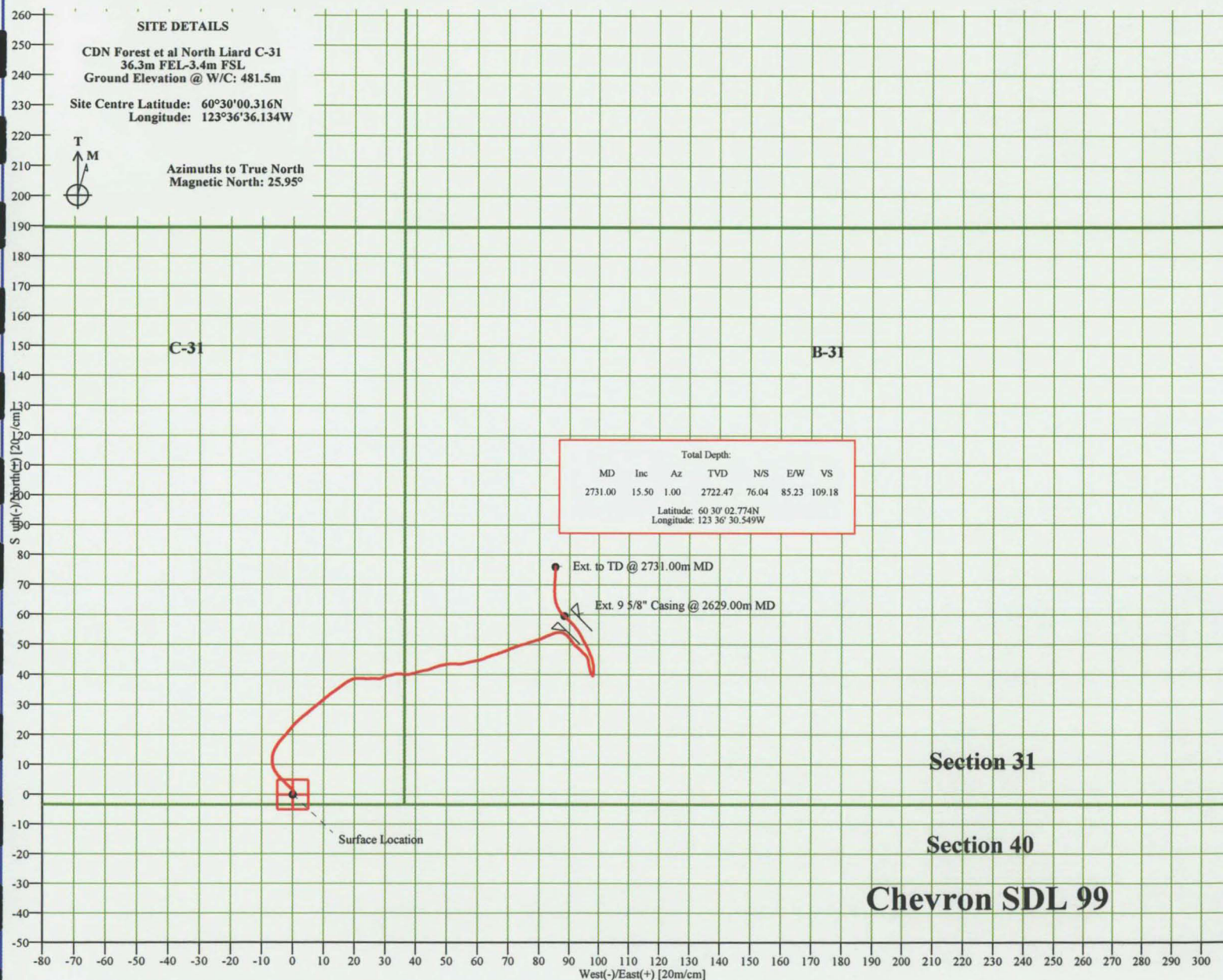
Annotation

MD m	TVD m	
2629.60	2622.68	Ext. 9 5/8" Casing @ 2629.00m MD
2731.00	2722.47	Ext. to TD @ 2731.00m MD



Canadian Forest Oil Ltd.

Field: North Liard
 Site: CDN Forest et al North Liard C-31
 Well: Grid Area N60/40 W123/30
 Wellpath: 3134 OH
 Survey: Actual Wellpath As Drilled



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Site Centre CDN Forest et al North Liard C-31, True North
 Vertical (TVD) Reference: RKB 485.00
 Section (VS) Reference: Site Centre (0.00N,0.00E)
 Measured Depth Reference: RKB 485.00
 Calculation Method: Minimum Curvature

Survey: Actual Wellpath As Drilled (Grid Area N60/40 W123/30/3134 OH)

Created By: Amy Pederson

Date: 1/4/2001



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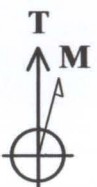
Canadian Forest Oil Ltd.

Field: North Liard
Site: CDN Forest et al North Liard C-31
Well: Grid Area N60/40 W123/30
Wellpath: 3134 OH
Survey: Actual Wellpath As Drilled

SITE DETAILS

CDN Forest et al North Liard C-31
36.3m FEL-3.4m FSL
Ground Elevation @ W/C: 481.5m

Site Centre Latitude: 60°30'00.316N
Longitude: 123°36'36.134W



Azimuths to True North
Magnetic North: 25.95°

C-31

B-31

Total Depth:						
MD	Inc	Az	TVD	N/S	E/W	VS
2731.00	15.50	1.00	2722.47	76.04	85.23	109.18

Latitude: 60 30' 02.774N
Longitude: 123 36' 30.549W

Ext. to TD @ 2731.00m MD

Ext. 9 5/8" Casing @ 2629.00m MD

Surface Location

Section 31

Section 40

Chevron SDL 99

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Site Centre CDN Forest et al North Liard C-31, True North
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Section (VS) Reference: Site Centre (0.00N,0.00E)
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