

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

"North Seeking" Gyroscopic

Directional Survey Report

for

CANADIAN FOREST OIL LTD.

C-31
W/O
1900

Well Name : CDN FOREST OIL ET AL W. LIARD C-31
Well Number : C-31
S.D.I. Job Number : 90-KF-1200-324
Location Latitude : 60.40
Survey Date : 16-DEC-2000
S.D.I. Personnel : MYRON JESSO
North Reference : True North
Length Units : Metres
Proposal Direction : 000.00
Calculation Method : Minimum Curvature

Survey Depth Reference Information

- Zero Point on Tool : Mid-Point of Centralizers
- Zeroed To : RKB OF AKITA 59
- RKB - Height : ____ M Above Ground Level

***** FIELD RESULT ONLY *****

FIELD RESULT ONLY.

SCIENTIFIC DRILLING INTERNATIONAL

SDI Job No. 90-KP-1200-324
 Intrap Survey
 for
 CANADIAN FOREST OIL LTD.
 Well Name : CON FOREST OIL RT ALN LIND C-31
 Date : 18-DEC-20
 Well No. : C-31
 Proposal : 0.00

Depth T.V.D. U.S. Inc Azimuth Co-ordinates D-Log
 (Metres) (Metres) (Metres) Deg. (N+/S-), (E+/W-)
 150

705.20	702.81	0.00	8.13	55.57	32.85	15.44	0.00
725.00	722.48	1.27	8.92	81.81	34.12	17.48	2.88
750.00	747.34	2.35	5.45	88.07	35.28	19.88	0.85
775.00	772.25	3.15	4.21	78.02	38.00	21.84	1.40
800.00	797.20	3.59	3.82	79.50	38.44	23.18	1.70
825.00	822.17	3.78	2.58	84.64	38.81	24.35	0.81
850.00	847.15	3.55	2.43	85.85	38.70	25.48	0.15
875.00	872.12	3.52	2.29	88.45	38.77	28.50	0.17
900.00	897.11	3.98	2.19	88.85	38.85	27.48	0.12
925.00	922.09	4.05	2.25	85.10	38.80	28.45	0.11
950.00	947.07	4.15	2.14	83.40	37.00	29.40	0.18
975.00	972.05	4.27	2.15	81.35	37.12	30.55	0.09
1000.00	997.03	4.41	2.28	81.87	37.28	31.28	0.13
1025.00	1022.01	4.58	2.15	80.38	37.41	32.24	0.10
1050.00	1047.00	4.71	2.02	81.21	37.58	33.15	0.21
1075.00	1071.98	4.85	1.98	82.42	37.88	34.81	0.10
1100.00	1096.97	4.92	1.90	83.84	37.77	34.85	0.10
1125.00	1121.95	4.89	1.85	88.91	37.84	35.87	0.15
1150.00	1148.84	5.05	1.84	87.74	37.88	36.47	0.06
1175.00	1171.93	5.08	1.90	84.51	37.93	37.28	0.15
1200.00	1198.91	5.18	1.88	84.55	38.01	38.15	0.10
1225.00	1221.90	5.26	2.11	83.03	38.11	39.01	0.17
1250.00	1248.88	5.40	2.35	80.91	38.25	39.97	0.31
1275.00	1271.86	5.81	2.70	77.40	38.48	41.05	0.45
1300.00	1298.82	5.89	2.84	75.80	38.74	42.23	0.19
1325.00	1321.78	6.23	3.42	75.50	39.08	43.55	0.89
1350.00	1348.73	6.83	3.93	73.47	39.48	45.10	0.81
1375.00	1371.87	7.07	4.02	75.18	39.92	46.78	0.11
1400.00	1398.81	7.50	4.01	78.95	40.35	48.47	0.12
1425.00	1421.95	7.87	4.02	78.85	40.72	50.18	0.20
1450.00	1448.90	8.18	3.85	81.55	41.01	51.85	0.49
1475.00	1471.48	8.29	2.87	88.85	41.14	53.24	1.08
1500.00	1498.42	8.32	2.95	89.40	41.17	54.81	0.07
1525.00	1521.39	8.41	3.02	82.95	41.27	56.80	0.38
1550.00	1548.35	8.84	3.33	78.48	41.45	57.17	0.48

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.

Incun' Survey

50-KF-1200-324

for

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CANADIAN FOREST OIL LTD.

Well Name : CDN FOREST OIL ET AL N LIARD C-31

Date : 16-DEC-20

Well No. : C-31

Proposal : 0.00

Depth (Metres)	T.V.D. (Metres)	U.S. (Metres)	Inc Dog.	True North	Co-ordinates		D-leg /30
				Azimuth Deg.	(N+/S-)	(E+/W-)	
1575.00	1571.31	8.95	3.44	77.00	41.80	52.51	0.17
1600.00	1586.26	9.30	3.50	76.73	42.15	50.08	0.07
1625.00	1621.21	9.71	3.32	73.79	42.56	51.65	0.55
1650.00	1646.14	10.27	4.59	70.99	43.12	53.41	0.64
1675.00	1671.05	10.95	5.06	71.51	43.80	55.40	0.57
1700.00	1695.95	11.65	5.33	72.23	44.50	57.55	0.53
1725.00	1720.84	12.40	5.21	69.79	45.28	59.72	0.50
1750.00	1745.75	13.15	4.55	69.75	45.58	71.72	0.79
1775.00	1770.68	13.77	4.55	71.65	46.62	73.55	0.32
1800.00	1795.61	14.35	4.00	71.50	47.20	75.27	0.40
1825.00	1820.55	14.89	3.92	71.53	47.74	76.91	0.10
1850.00	1845.50	15.44	3.67	69.92	48.29	78.47	0.33
1875.00	1870.44	16.02	3.72	68.01	48.67	79.97	0.16
1900.00	1895.39	16.65	3.82	68.54	49.45	81.50	0.13
1925.00	1920.33	17.21	3.66	70.80	50.06	83.07	0.19
1950.00	1945.27	17.65	4.03	76.46	50.54	84.73	0.54
1975.00	1970.21	17.99	3.95	51.15	50.73	86.46	1.24
2000.00	1995.16	17.50	3.78	116.82	50.35	88.06	2.07
2025.00	2020.11	16.56	3.70	131.87	49.44	89.35	1.16
2050.00	2045.06	15.48	3.46	138.32	48.35	90.49	0.56
2075.00	2070.01	14.37	3.56	134.65	47.22	91.54	0.27
2100.00	2094.96	13.29	3.51	134.46	46.14	92.84	0.07
2125.00	2119.93	12.43	2.07	134.85	45.26	93.50	1.73
2150.00	2144.92	11.67	1.65	134.30	44.72	94.05	0.62
2175.00	2169.91	11.40	1.35	137.00	44.25	94.53	0.35
2200.00	2194.90	10.95	1.45	139.24	43.60	94.94	0.14
2225.00	2219.89	10.37	1.76	152.31	43.22	95.33	0.59
2250.00	2244.88	9.56	2.25	161.09	42.41	95.67	0.67
2275.00	2269.86	8.57	2.46	166.42	41.42	95.95	0.36
2300.00	2294.85	7.51	2.53	167.80	40.36	96.19	0.11
2325.00	2319.81	6.42	2.59	166.61	39.27	96.44	0.10
2350.00	2344.78	5.31	2.67	166.21	38.16	96.71	0.10
2375.00	2369.77	4.72	0.94	97.36	37.57	97.05	2.99
2400.00	2394.76	5.00	1.87	16.91	37.93	97.38	2.34
2425.00	2419.74	6.15	3.10	0.55	39.00	97.50	1.69

SCIENTIFIC DRILLING INTERNATIONAL

SDI Job No.

Inrun Survey -

90-KP-1200-324

for

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CANADIAN FOREST OIL LTD.

Well Name : CDN FOREST OIL ET AL N LIARD C-31

Date : 16-DEC-20

Well No. : C-31

Proposal : 0.00

Depth (Metres)	T.V.D. (Metres)	V.S. (Metres)	Inc Deg.	True North Azimuth Deg.	Co-ordinates (N+/S-)	(E+/W-)	Off-set /50
2450.00	2444.70	7.81	3.53	355.38	40.48	57.46	0.65
2475.00	2469.64	8.29	4.28	345.48	42.14	57.18	1.22
2500.00	2494.56	11.17	4.77	340.52	44.02	56.60	0.75
2525.00	2519.47	15.17	5.14	335.46	46.02	55.78	0.69
2550.00	2544.36	16.31	5.65	335.33	48.16	54.81	0.61
2575.00	2569.23	17.51	5.91	327.81	50.36	53.61	0.56
2588.90	2583.05	18.69	5.98	322.72	51.54	52.79	1.15

The Horizontal Displacement (in Metres) at
 Measured Depth 2588.90 is 106.14 in a Direction of 60.55 Degrees

E-31
WID 1900

"NORTH SEEKING" GYROSCOPE

SCIENTIFIC DRILLING INTERNATIONAL
SDI Job No. Outrun Survey Page 1
90-KP-0800-245 for

Well Name : CANADIAN FOREST OIL ET AL NORTH LI Date : 19-AUG-2000
Well No. : C-31

Depth (Metres)	T.V.D. Inc (Metres)	Inc Deg.	True North Azimuth Deg.	Co-ordinates (N+/S-) (E+/W-)	D-log /30	Closure Dist. (Metres)	Dir. Deg.
0.00	0.00	0.00	0.00	0.00	0.00	0.0	90.0
50.00	50.00	0.31	70.43	0.04	0.13	0.1	70.4
75.00	75.00	0.29	65.47	0.09	0.25	0.3	69.2
100.00	100.00	0.32	68.51	0.15	0.37	0.4	68.5
125.00	125.00	0.24	55.43	0.20	0.48	0.5	67.2
150.00	150.00	0.24	56.87	0.26	0.57	0.6	65.3
175.00	175.00	0.21	27.26	0.33	0.63	0.7	62.5
200.00	200.00	0.21	11.77	0.42	0.66	0.8	57.9
225.00	225.00	0.21	340.03	0.50	0.66	0.8	52.6
250.00	250.00	0.41	353.47	0.63	0.63	0.9	44.9
275.00	275.00	0.65	315.59	0.82	0.52	1.0	32.4
300.00	299.99	1.90	316.28	1.23	0.14	1.2	6.4
325.00	324.97	2.99	316.10	2.00	-0.60	2.1	343.2
350.00	349.93	3.43	316.34	3.01	-1.57	3.4	332.4
375.00	374.88	3.68	316.63	4.13	-2.64	4.9	327.4
400.00	399.81	4.59	324.10	5.53	-3.78	6.7	325.6
425.00	424.71	6.02	341.24	7.58	-4.79	9.0	327.7
450.00	449.55	6.88	358.47	10.32	-5.25	11.6	333.0
475.00	474.38	6.93	25.00	13.18	-4.65	14.0	340.6
500.00	499.20	6.58	35.34	15.71	-3.18	16.0	348.6
525.00	524.05	6.16	41.05	17.90	-1.47	18.0	355.3
550.00	548.90	6.17	42.01	19.91	0.31	19.9	0.9
575.00	573.74	6.83	44.56	21.96	2.25	22.1	5.9
600.00	598.55	7.59	47.41	24.14	4.51	24.6	10.6
625.00	623.32	7.78	50.36	26.34	7.03	27.3	14.9
650.00	648.09	7.73	51.18	28.47	9.64	30.1	18.7
675.00	672.88	7.26	51.96	30.50	12.20	32.8	21.8
700.00	697.66	7.86	55.32	32.44	14.85	35.7	24.6
705.20	702.81	8.13	55.57	32.85	15.44	36.3	25.2

The Horizontal Displacement (in Metres) at

C-31
W10 1900

August 8, 2000
01:34 PM

PathTracker 5.0.320
Survey Calculation Program

Page 1 of 1

Company: CANADIAN FOREST OIL LTD.
WellName: CND FOREST et al NORTH LIARD C-31
Location: GRID AREA N60/40 W123/30
Co Reps: DOUG SOLBERG, CAL PICHE

Surveyed by:
William R. Baskin
Baskin Consulting Ltd.
5024-142 Ave
Edmonton, Alberta, T5A 4R7

4	114.11	1.00	43.00	114.09	1.41	1.29	373.90	1.58	0.53	0.53	2.11
5	142.58	1.50	37.00	142.55	1.89	1.87	348.44	2.05	0.54	0.53	6.32
8	171.88	0.75	28.00	171.86	2.38	1.99	316.33	2.47	0.78	0.77	9.28
EXTRAPOLATE TO BIT											
Ext	190.00	0.75	28.00	189.87	2.57	2.10	298.02	2.63	0.00	0.00	0.00

Closure is 3.3228 meters on an Azimuth of 38.2687

P. L. O. J.
H. O. L. E.