

Wardie-1 Gyro and raw MWD survey

Report Date: May 18, 2008	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: 3D Oil Ltd	Vertical Section Azimuth: 241.150°
Field: 3D Oil - West Seahorse	Vertical Section Origin: N 0.000 m, E 0.000 m
Structure / Slot: West Seahorse / 2	TVD Reference Datum: RKB
Well: Wardie-1	TVD Reference Elevation: 37.7 m relative to MSL
Borehole: Wardie-1	Sea Bed / Ground Level Elevation: -39.500 m relative to MSL
UWI/API#:	Magnetic Declination: 12.843°
Survey Name / Date: Wardie-1 Gyro and raw surveys / May 10, 2008	Total Field Strength: 59945.551 nT
Tort / AHD / DDI / ERD ratio: 82.133° / 608.54 m / 5.253 / 0.376	Magnetic Dip: -68.778°
Grid Coordinate System: GDA94/MGA94 Zone 55	Declination Date: May 16, 2008
Location Lat/Long: S 38 12 24.881, E 147 37 9.793	Magnetic Declination Model: BGGM 2007
Location Grid N/E Y/X: N 5771046.028 m, E 554227.625 m	North Reference: Grid North
Grid Convergence Angle: -0.38310215°	Total Corr Mag North -> Grid North: +13.226°
Grid Scale Factor: 0.99963622	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (m)	Inclination (deg)	Azimuth Grid (deg)	TVD (m)	Vertical Section (m)	NS Grid North (m)	EW Grid North (m)	Closure (m)	Closure Azimuth (deg)	DLS (deg/30 m)	Mag / Grav Tool Face (deg)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	317.71M
	77.50	1.96	317.71	77.48	0.31	0.98	-0.89	1.33	317.71	0.76	317.51M
	82.50	1.90	317.51	82.48	0.35	1.10	-1.01	1.49	317.70	0.36	317.30M
	87.50	1.85	317.30	87.48	0.39	1.23	-1.12	1.66	317.67	0.30	317.07M
	92.50	1.80	317.07	92.48	0.42	1.34	-1.22	1.82	317.63	0.30	316.83M
	97.50	1.74	316.83	97.47	0.46	1.45	-1.33	1.97	317.57	0.36	316.58M
	102.50	1.69	316.58	102.47	0.50	1.56	-1.43	2.12	317.51	0.30	316.30M
	107.50	1.63	316.30	107.47	0.54	1.67	-1.53	2.27	317.45	0.36	315.91M
	112.50	1.65	315.91	112.47	0.57	1.77	-1.63	2.41	317.37	0.14	316.62M
	117.50	1.78	316.62	117.47	0.61	1.88	-1.73	2.56	317.30	0.79	319.95M
	122.50	1.86	319.95	122.46	0.65	2.00	-1.84	2.72	317.36	0.80	323.69M
	127.50	1.88	323.69	127.46	0.67	2.13	-1.94	2.88	317.61	0.74	328.33M
	132.50	1.94	328.33	132.46	0.69	2.26	-2.03	3.04	318.07	0.99	330.59M
	134.60	2.03	330.59	134.56	0.69	2.33	-2.07	3.12	318.34	1.70	331.19M
	174.15	0.97	331.19	174.09	0.70	3.23	-2.58	4.13	321.43	0.80	330.50M
	202.30	1.06	330.50	202.24	0.70	3.67	-2.82	4.63	322.44	0.10	269.17M
	260.44	2.12	269.17	260.36	1.66	4.12	-4.16	5.85	314.72	0.96	252.00M
	290.09	5.23	252.00	289.94	3.47	3.69	-5.99	7.04	301.64	3.30	19.24L
	319.76	8.62	244.27	319.39	7.02	2.31	-9.28	9.57	283.97	3.55	2.34L
	349.23	11.69	243.65	348.40	12.21	0.03	-13.95	13.95	270.10	3.13	1.31L
	378.56	14.54	243.39	376.96	18.86	-2.94	-19.91	20.12	261.59	2.92	33.53L
	408.20	16.62	238.69	405.51	26.81	-6.81	-26.85	27.71	255.76	2.46	39.34L
	437.65	18.41	234.18	433.60	35.63	-11.72	-34.22	36.18	251.09	2.29	7.31L
	466.98	21.11	233.22	461.20	45.46	-17.60	-42.21	45.73	247.37	2.78	17.93R
	496.44	24.52	235.86	488.35	56.81	-24.21	-51.52	56.93	244.83	3.62	18.76R
	525.34	27.44	238.00	514.33	69.43	-31.10	-62.14	69.49	243.41	3.18	13.17R
	555.68	29.78	239.10	540.96	83.94	-38.68	-74.53	83.97	242.57	2.37	169.13R
	585.40	28.02	239.82	566.98	98.30	-45.98	-86.90	98.31	242.12	1.81	4.51R
	614.89	29.13	240.00	592.88	112.40	-53.05	-99.11	112.41	241.84	1.13	3.82R
	644.23	31.31	240.28	618.23	127.17	-60.40	-111.91	127.17	241.64	2.23	3.12R
	674.32	33.98	240.54	643.56	143.40	-68.41	-126.03	143.40	241.50	2.67	16.31L
	703.79	34.90	240.07	667.87	160.06	-76.67	-140.50	160.06	241.38	0.97	167.84L
	722.54	34.35	239.86	683.29	170.71	-82.00	-149.73	170.71	241.29	0.90	164.40R
	802.80	32.02	241.09	750.46	214.63	-103.66	-187.94	214.63	241.12	0.91	144.71L
	831.50	30.76	239.33	774.96	229.58	-111.08	-200.91	229.58	241.06	1.63	34.35L
	861.51	31.64	238.19	800.63	245.11	-119.15	-214.20	245.11	240.92	1.06	106.61L

891.22	31.39	236.51	825.96	260.60	-127.53	-227.28	260.61	240.70	0.92	54.17L
920.19	31.58	236.01	850.66	275.68	-135.93	-239.86	275.70	240.46	0.33	72.68R
949.76	31.70	236.73	875.84	291.14	-144.52	-252.78	291.17	240.24	0.40	126.32R
979.78	31.37	237.60	901.42	306.80	-153.03	-265.97	306.85	240.08	0.56	84.00R
1009.21	31.56	240.47	926.53	322.15	-160.93	-279.14	322.21	240.03	1.54	77.64L
1039.05	31.64	239.79	951.94	337.78	-168.72	-292.70	337.84	240.04	0.37	90.00R
1066.59	31.64	241.83	975.39	352.22	-175.77	-305.31	352.29	240.07	1.17	21.87R
1096.55	32.01	242.11	1000.85	368.02	-183.19	-319.25	368.08	240.15	0.40	46.19R
1125.94	32.34	242.75	1025.72	383.67	-190.43	-333.13	383.72	240.25	0.48	145.46L
1155.71	32.17	242.53	1050.90	399.55	-197.74	-347.24	399.59	240.34	0.21	77.52R
1184.60	32.35	243.98	1075.33	414.96	-204.67	-361.01	414.99	240.45	0.83	165.93R
1214.81	32.18	244.06	1100.88	431.07	-211.74	-375.50	431.09	240.58	0.17	160.81L
1244.86	30.73	243.07	1126.51	446.73	-218.72	-389.55	446.75	240.69	1.54	165.00R
1274.25	29.50	243.74	1151.93	461.47	-225.32	-402.73	461.48	240.77	1.30	172.90L
1303.82	28.32	243.43	1177.82	475.75	-231.68	-415.53	475.75	240.86	1.21	172.16R
1333.24	26.97	243.84	1203.88	489.39	-237.74	-427.76	489.39	240.94	1.39	166.48R
1363.33	25.76	244.51	1230.84	502.73	-243.56	-439.79	502.73	241.02	1.24	167.62R
1392.32	24.64	245.10	1257.07	515.05	-248.82	-450.96	515.05	241.11	1.19	164.84R
1421.66	23.41	245.94	1283.87	526.96	-253.77	-461.83	526.96	241.21	1.31	171.40L
1451.54	21.93	245.34	1311.44	538.44	-258.52	-472.32	538.44	241.31	1.50	178.00L
1481.24	19.28	245.06	1339.23	548.86	-262.90	-481.81	548.87	241.38	2.68	168.93L
1511.19	16.74	243.33	1367.71	558.11	-266.92	-490.15	558.11	241.43	2.60	163.05L
1540.85	14.49	240.57	1396.28	566.09	-270.66	-497.20	566.09	241.44	2.40	159.97L
1570.22	12.40	236.98	1424.84	572.91	-274.19	-503.04	572.91	241.41	2.30	176.39L
1599.76	10.35	236.26	1453.80	578.72	-277.39	-507.91	578.72	241.36	2.09	175.04R
1630.16	9.46	236.73	1483.75	583.93	-280.28	-512.27	583.93	241.32	0.88	168.56L
1659.89	8.81	235.87	1513.10	588.63	-282.90	-516.20	588.63	241.28	0.67	174.49L
1689.37	8.19	235.45	1542.26	592.97	-285.35	-519.79	592.97	241.23	0.63	177.35L
1718.81	7.67	235.27	1571.41	597.01	-287.66	-523.14	597.01	241.19	0.53	155.84L
1745.67	7.36	234.18	1598.04	600.50	-289.69	-526.00	600.50	241.16	0.38	---
Projection to TD	1766.00	7.36	234.18	1618.21	603.08	-291.21	603.08	241.13	0.00	---

Survey Type: Non-Def Survey

Survey Error Model: SLB ISCWSA version 24 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

<u>MD From (m)</u>	<u>MD To (m)</u>	<u>EOU Freq</u>	<u>Survey Tool Type</u>	<u>Borehole -> Survey</u>
0.00	77.18	Act-Stns	SLB_NSG+MSHOT-Depth Only	Wardie-1 -> Wardie-1 Gyro and raw surveys
77.18	134.60	Act-Stns	SLB_NSG+MSHOT	Wardie-1 -> Wardie-1 Gyro and raw surveys
134.60	1745.67	Act-Stns	SLB_MWD-STD	Wardie-1 -> Wardie-1 Gyro and raw surveys
1745.67	1766.00	Act-Stns	SLB_BLIND	Wardie-1 -> Wardie-1 Gyro and raw surveys