

SCHLUMBERGER

Survey report

23-May-2008 09:58:23

Client.....: 3D Oil Ltd
Field.....: Exploration

Well.....: Wardie-1
API number.....: 08ASQ0006
Engineer.....: AK/STDA

COUNTY.....: N/A
STATE.....: Victoria

Spud date.....: 09-May-08
Last survey date.....: 18-May-08
Total accepted surveys....: 67
MD of first survey.....: 0.00 m
MD of last survey.....: 1745.67 m

----- Survey calculation methods-----
Method for positions.....: Minimum curvature
Method for DLS.....: Mason & Taylor

----- Depth reference -----
Permanent datum.....: Mean Sea Level
Depth reference.....: Driller's Depth
GL above permanent.....: -39.5 m
KB above permanent.....: Top Drive
DF above permanent.....: 38.0 m

----- Vertical section origin-----
Latitude (+N/S-).....: 0.00 m
Departure (+E/W-).....: 0.00 m

----- Platform reference point-----
Latitude (+N/S-).....: 0.00 m
Departure (+E/W-).....: 0.00 m

Azimuth from Vsect Origin to target: 241.15 degrees

----- Geomagnetic data -----
Magnetic model.....: BGGM version 2007
Magnetic date.....: 10-May-2008
Magnetic field strength...: 1198.92 HCNT
Magnetic dec (+E/W-).....: 12.84 degrees
Magnetic dip.....: -68.78 degrees

----- MWD survey Reference Criteria -----
Reference G.....: 1000.02 mGal
Reference H.....: 1198.92 HCNT
Reference Dip.....: -68.78 degrees
Tolerance of G.....: (+/-) 2.50 mGal
Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----
Magnetic dec (+E/W-).....: 12.84 degrees
Grid convergence (+E/W-)..: -0.38 degrees
Total az corr (+E/W-).....: 13.22 degrees
(Total az corr = magnetic dec - grid conv)
Survey Correction Type ...:
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=SORSI Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool Corr (deg)
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIP	None
2	77.50	1.96	317.71	77.50	77.48	0.31	0.98	-0.89	1.33	317.71	0.77	GYR	None
3	82.50	1.90	317.51	5.00	82.48	0.35	1.10	-1.01	1.49	317.70	0.37	GYR	None
4	87.50	1.85	317.30	5.00	87.48	0.39	1.23	-1.12	1.66	317.67	0.31	GYR	None
5	92.50	1.80	317.07	5.00	92.48	0.42	1.34	-1.22	1.82	317.63	0.31	GYR	None
6	97.50	1.74	316.83	5.00	97.47	0.46	1.45	-1.33	1.97	317.57	0.37	GYR	None
7	102.50	1.69	316.58	5.00	102.47	0.50	1.56	-1.43	2.12	317.51	0.31	GYR	None
8	107.50	1.63	316.30	5.00	107.47	0.54	1.67	-1.53	2.27	317.45	0.37	GYR	None
9	112.50	1.65	315.91	5.00	112.47	0.57	1.77	-1.63	2.41	317.37	0.14	GYR	None
10	117.50	1.78	316.62	5.00	117.47	0.61	1.88	-1.73	2.56	317.30	0.80	GYR	None
11	122.50	1.86	319.95	5.00	122.46	0.65	2.00	-1.84	2.72	317.36	0.81	GYR	None
12	127.50	1.88	323.69	5.00	127.46	0.67	2.13	-1.94	2.88	317.61	0.75	GYR	None
13	132.50	1.94	328.33	5.00	132.46	0.69	2.26	-2.03	3.04	318.07	1.01	GYR	None
14	134.60	2.03	330.59	2.10	134.56	0.69	2.33	-2.07	3.12	318.34	1.73	GYR	None
15	174.15	0.97	331.19	39.55	174.09	0.70	3.23	-2.58	4.13	321.43	0.82	PUP	None
16	202.30	1.06	330.50	28.15	202.24	0.70	3.67	-2.82	4.63	322.44	0.10	PUP	None
17	260.44	2.12	269.17	58.14	260.36	1.66	4.12	-4.16	5.85	314.72	0.98	PUP	None
18	290.09	5.23	252.00	29.65	289.94	3.47	3.69	-5.99	7.04	301.64	3.36	PUP	None
19	319.76	8.62	244.27	29.67	319.39	7.02	2.31	-9.28	9.57	283.97	3.60	PUP	None
20	349.23	11.69	243.65	29.47	348.40	12.21	0.03	-13.95	13.95	270.10	3.18	PUP	None
21	378.56	14.54	243.39	29.33	376.96	18.85	-2.94	-19.91	20.12	261.59	2.96	PUP	None
22	408.20	16.62	238.69	29.64	405.51	26.81	-6.81	-26.85	27.71	255.76	2.50	PUP	None
23	437.65	18.41	234.18	29.45	433.60	35.63	-11.72	-34.22	36.18	251.09	2.32	PUP	None
24	466.98	21.11	233.22	29.33	461.20	45.46	-17.60	-42.21	45.73	247.37	2.83	PUP	None
25	496.44	24.52	235.86	29.46	488.35	56.81	-24.21	-51.52	56.93	244.83	3.68	PUP	None
26	525.34	27.44	238.00	28.90	514.33	69.43	-31.10	-62.14	69.49	243.41	3.23	PUP	None
27	555.68	29.78	239.10	30.34	540.96	83.94	-38.68	-74.53	83.97	242.57	2.41	PUP	None
28	585.40	28.02	239.82	29.72	566.98	98.30	-45.98	-86.90	98.31	242.12	1.84	PUP	None
29	614.89	29.13	240.00	29.49	592.88	112.40	-53.05	-99.11	112.41	241.84	1.15	PUP	None
30	644.23	31.31	240.28	29.34	618.23	127.17	-60.40	-111.91	127.17	241.64	2.27	PUP	None
31	674.32	33.98	240.54	30.09	643.56	143.40	-68.41	-126.03	143.40	241.50	2.71	PUP	None
32	703.79	34.90	240.07	29.47	667.87	160.06	-76.67	-140.50	160.06	241.38	0.99	PUP	None
33	722.54	34.35	239.86	18.75	683.29	170.71	-82.00	-149.73	170.71	241.29	0.91	PUP	None
34	722.54	34.35	239.86	18.75	683.29	170.71	-82.00	-149.73	170.71	241.29	0.91	PUP	None

34	802.80	32.02	241.09	80.26	750.46	214.63	-103.66	-187.94	214.63	241.12	0.92	PUP	None
35	831.50	30.76	239.33	28.70	774.96	229.58	-111.08	-200.91	229.58	241.06	1.65	PUP	None
36	861.51	31.64	238.19	30.01	800.63	245.11	-119.15	-214.20	245.11	240.92	1.08	PUP	None
37	891.22	31.39	236.51	29.71	825.96	260.60	-127.53	-227.28	260.61	240.70	0.94	PUP	None
38	920.19	31.58	236.01	28.97	850.66	275.68	-135.93	-239.86	275.70	240.46	0.34	PUP	None
39	949.76	31.70	236.73	29.57	875.84	291.14	-144.52	-252.78	291.17	240.24	0.41	PUP	None
40	979.78	31.37	237.60	30.02	901.42	306.80	-153.03	-265.97	306.85	240.08	0.57	PUP	None
41	1009.21	31.56	240.47	29.43	926.53	322.15	-160.93	-279.14	322.21	240.03	1.56	PUP	None
42	1039.05	31.64	239.79	29.84	951.94	337.78	-168.72	-292.70	337.84	240.04	0.37	PUP	None
43	1066.59	31.64	241.83	27.54	975.39	352.22	-175.77	-305.31	352.29	240.07	1.18	PUP	None
44	1096.55	32.01	242.11	29.96	1000.85	368.02	-183.19	-319.25	368.08	240.15	0.41	PUP	None
45	1125.94	32.34	242.75	29.39	1025.72	383.67	-190.43	-333.13	383.72	240.25	0.49	PUP	None
46	1155.71	32.17	242.53	29.77	1050.90	399.55	-197.74	-347.24	399.59	240.34	0.21	PUP	None
47	1184.60	32.35	243.98	28.89	1075.33	414.96	-204.67	-361.01	414.99	240.45	0.84	PUP	None
48	1214.81	32.18	244.06	30.21	1100.88	431.07	-211.74	-375.50	431.09	240.58	0.18	PUP	None
49	1244.86	30.73	243.07	30.05	1126.51	446.73	-218.72	-389.55	446.75	240.69	1.56	PUP	None
50	1274.25	29.50	243.74	29.39	1151.93	461.47	-225.32	-402.73	461.48	240.77	1.32	PUP	None
51	1303.82	28.32	243.43	29.57	1177.82	475.75	-231.68	-415.53	475.75	240.86	1.23	PUP	None
52	1333.24	26.97	243.84	29.42	1203.88	489.39	-237.74	-427.76	489.39	240.94	1.41	PUP	None
53	1363.33	25.76	244.51	30.09	1230.84	502.73	-243.56	-439.79	502.73	241.02	1.26	PUP	None
54	1392.32	24.64	245.10	28.99	1257.07	515.05	-248.82	-450.96	515.05	241.11	1.21	PUP	None
55	1421.66	23.41	245.94	29.34	1283.86	526.96	-253.77	-461.83	526.96	241.21	1.33	PUP	None
56	1451.54	21.93	245.34	29.88	1311.44	538.44	-258.52	-472.32	538.44	241.31	1.53	PUP	None
57	1481.24	19.28	245.06	29.70	1339.23	548.86	-262.90	-481.81	548.87	241.38	2.72	PUP	None
58	1511.19	16.74	243.33	29.95	1367.71	558.11	-266.92	-490.15	558.11	241.43	2.64	PUP	None
59	1540.85	14.49	240.57	29.66	1396.28	566.09	-270.66	-497.20	566.09	241.44	2.43	PUP	None
60	1570.22	12.40	236.98	29.37	1424.84	572.91	-274.19	-503.04	572.91	241.41	2.33	PUP	None
61	1599.76	10.35	236.26	29.54	1453.80	578.72	-277.39	-507.91	578.72	241.36	2.12	PUP	None
62	1630.16	9.46	236.73	30.40	1483.75	583.93	-280.28	-512.27	583.93	241.32	0.90	PUP	None
63	1659.89	8.81	235.87	29.73	1513.10	588.63	-282.90	-516.20	588.63	241.28	0.68	PUP	None
64	1689.37	8.19	235.45	29.48	1542.25	592.97	-285.35	-519.79	592.97	241.23	0.64	PUP	None
65	1718.81	7.67	235.27	29.44	1571.41	597.01	-287.66	-523.14	597.01	241.19	0.54	PUP	None
66	1745.67	7.36	234.18	26.86	1598.04	600.50	-289.69	-526.00	600.50	241.16	0.39	PUP	None
67	1766.00	7.36	234.18	20.33	1618.21	603.08	-291.21	-528.12	603.08	241.13	0.00	Projected to	