Apache Northwest Pty Lyd

SIDE WALL CORE DESCRIPTIONS

Well Name :	Coelacanth-1	**Service Company :**	Schlumberger
Suite Number :	2	**Engineers :**	A. Dandi, M. Dawson, V. Torlov
Run Number :	2	**Geologists :**	A. Cruickshank, F. Fernandes
Run Date :	3/22/2008		
Hole Size :	216 (mm)		

Lost:	3	**Empty:**	1	**Rejected:**	1	**Bought:**	21	**Misfired:**	4

Shot No.	SWC No	SWC Depth (m)	Rec. Length (cm)	Shot Type	Lithology / Shows
1	1	3052.5	1.7	Palynology	**SILTSTONE:** 100% medium to dark grey, dark olive grey, common to abdundant mica flecks, trace to common glauconite, trace carbonaceous material, moderately hard to hard.
3	3	2998.0	2.0	Evaluation	**SANDSTONE:** 100% light grey to light green grey, clear to translucent, common opaque, fine to medium grains, common coarse to very coarse grains, moderately sorted, sub-angular to sub-rounded, common round, moderate siliceous cement, trace white argillaceous matrix, trace carbonaceous inclusions, trace to common quartz overgrowths, trace glauconite and fledspars, friable, poor to fair visible porosity, no fluorescence.
4	4	2996.0	1.0	Evaluation	**GLAUCONITIC SANDSTONE:** 100% dark green, clear to translucent, very fine to fine grains, poorly sorted, sub-angular to sub-rounded, moderate siliceous cement, common glauconite matrix, trace to common silty to argillaceous matrix, grading to a Sandy SILTSTONE, abundant glauconite, trace carbonaceous inclusions, trace mica specks, friable to moderately hard, poor visible porosity, no fluorescence.
5	5	2975.0	19.0	Evaluation	**SANDSTONE:** 100% light to medium grey, green grey, fine to coarse grains, common very coarse grains, moderate to poorly sorted, angular to sub-rounded, moderate siliceous cement, trace white argillaceous matrix, trace to common carbonaceous/Coal fragments, trace glauconite, trace disseminated pyrite and micromicaceous, friable, poor to fair visible porosity, no fluorescence.
6	6	2973.5	1.4	Evaluation	**SANDSTONE:** 100% dark grey to dark green grey, clear to translucent, medium to very coarse grains, common fine grains, poorly sorted, sub-angular to sub-rounded, moderate to weak siliceous cement, trace argillaceous, trace to common carbonaceous material, rare glauconite, trace micromicaceous, disseminated pyrite and lithics, friable, fair visible porosity, no fluorescence.
7	7	2972.0	3.0	Palynology	**SANDSTONE:** 100% medium to medium dark grey, dark olive grey, very fine to fine grains, moderately sorted, moderate siliceous cement, trace argillaceous to silty matrix, grading to Sandy SILTSTONE, common mica specks, trace carbonaceous specks, trace disseminated pyrite, common glauconite, friable, poor visible porosity, no fluorescence.
8	8	2947.0	2.4	Palynology	**SANDSTONE:** 100% light grey to light green grey, clear to translucent, very fine to medium grains, moderately sorted, weak to moderate siliceous cement, trace argillaceous to silty matrix, trace glauconite grains, trace carbonaceous specks, trace micromicaceous, friable, poor to fair visible porosity, no fluorescence.

Ó Copyright 2002 - Petroleum Data Systems International Pty Ltd.
All Right Reserved

Lost:	3	Empty:	1	Rejected:	1	Bought:	21	Misfired:	4

Shot No.	SWC No	SWC Depth (m)	Rec. Length (cm)	Shot Type	Lithology / Shows
9	9	2930.0	2.1	Evaluation	**SANDSTONE:** 100% light grey to light green grey, clear to translucent, medium to very coarse grains, common fine grains, moderately sorted, sub-angular to sub-rounded, common rounded grains, weak siliceous cement, trace argillaceous to silty matrix, trace mica and carbonaceous specks, trace feldpars, rare glauconite, friable, fair to good visible porosity, no fluorescence.
11	11	2926.0	0.2	Evaluation	**SANDSTONE:** 100% light grey, clear to translucent, fine to medium grains, common coarse grains, moderately sorted, sub-angular to sub-rounded, common rounded grains, weak siliceous cement mainly as quartz overgrowths, trace white argillaceous matrix, trace carbonaceous specks, trace glauconite, friable, fair to good visible porosity, no fluorescence.
12	12	2920.5	2.5	Palynology	**SANDSTONE:** 100% medium to dark green grey, clear to translucent, very fine to fine grains, grading to Sandy SILTSTONE, moderately sorted, sub-angular to sub-rounded, moderate siliceous cement, common silty matrix, common glauconite, trace to common carbonaceous specks, common mica, friable to moderately hard, poor visible porosity, no fluorescence.
13	13	2868.0	2.6	Palynology	**SANDSTONE:** 100% medium grey to medium green grey, clear to translucent, very fine to fine grains, minor medium grains, moderately sorted, sub-angular to sub-rounded, moderate siliceous cement, trace to common argillaceous to silty matrix, grading to Sandy SILTSTONE, common glauconite grains, common carbonaceous specks, common mica, friable to moderately hard, poor visible porosity, no fluorescence.
15	15	2790.5	2.4	Palynology	**SANDSTONE:** 100% light grey, clear to translucent, opaque, fine to coarse grains, common very coarse grains, poor to moderately sorted, sub-angular to sub-rounded, weak siliceous cement mainly as quartz overgrowths, trace argillaceous matrix, trace glauconite grains, trace mica, trace carbonaceous specks, friable, fair visible porosity, no fluorescence.
17	17	2746.0	1.0	Evaluation	**SANDSTONE:** 100% light grey, clear to translucent, minor opaque grains, very fine to fine grains, minor medium grains, moderately sorted, sub-angular to sub-rounded, weak siliceous cement, trace argillaceous matrix, trace to common glauconite grains, trace mica, trace disseminated pyrite, friable, poor visible porosity, no fluorescence.
19	19	2725.0	3.0	Evaluation	**SANDSTONE:** 100% dark green grey to dark grey, clear to translucent, very fine to fine grains, predominantly very fine grains, moderately sorted, sub-angular to sub-rounded, weak siliceous cement, common argillaceous to silty matrix, grading to a Sandy SILTSTONE, common glauconite grains and carbonaceous material, trace to common mica, friable to moderately hard, poor visible porosity, no fluorescence.
21	21	2720.0	3.2	Palynology	**SILTSTONE:** 100% dark grey to grey black, dark olive grey, common carbonaceous material and COAL fragments, trace micromicaceous, frim to moderately hard, sub-blocky to blocky.
22	22	2713.5	0.7	Evaluation	**SANDSTONE:** 100% medium to dark grey, clear to translucent, minor opaque grains, very fine to fine grains, common medium grain, moderately sorted, sub-angular to sub-rounded, moderate siliceous cement, common argillaceous to silty matrix, grading to a Sandy SILTSTONE, trace to common carbonaceous/COAL fragments, common glauconite grains, trace mica specks, friable to moderately hard, poor visible porosity, no fluorescence.

Ó Copyright 2002 - Petroleum Data Systems International Pty Ltd.
All Right Reserved

Lost:	3	Empty:	1	Rejected:	1	Bought:	21	Misfired:	4

Shot No.	SWC No	SWC Depth (m)	Rec. Length (cm)	Shot Type	Lithology / Shows
23	23	2707.5	2.9	Evaluation	**SANDSTONE:** 100% light to medium grey, clear to translucent, minor opaque grains, very fine to fine grains, common medium grain, moderately sorted, sub-angular to sub-rounded, moderate siliceous cement, common argillaceous to silty matrix, trace carbonaceous/COAL fragments, common glauconite grains, trace mica specks, friable to moderately hard, poor to fair visible porosity, no fluorescence.
25	25	2693.0	4.0	Palynology	**SILTSTONE:** 100% dark grey to dark olive grey, argillaceous, weakly calcareous, trace to common micromicaceous, trace glauconite grains, trace carbonaceous specks, soft to firm, sub-blocky to blocky.
26	26	2657.0	2.9	Palynology	**SANDSTONE:** 100% light to medium brown grey, clear to translucent, very fine to fine grains, poor to moderately sorted, sub-angular to sub-rounded, weak to moderate calcareous cement, common argillaceous to silty matrix, trace to common glauconite, trace pyrite, friable to moderately hard, poor visible porosity, no l fluorescence.
29	29	2627.0	3.2	Evaluation	**SANDSTONE:** 100% medium to dark grey, dark green grey, clear to translucent, very fine to fine grains, minor medium grain, poorly sorted, sub-angular to sub-rounded, weak calcareous cement, common argillaceous to silty matrix, grading to Sandy SILTSTONE, trace glauconite, friable to moderately hard, poor visible poor, no fluorescence.
30	30	2626.0	3.9	Evaluation	**SANDSTONE:** 100% medium to dark grey, dark green grey, clear to translucent, very fine to fine grains, minor medium grain, poorly sorted, sub-angular to sub-rounded, weak calcareous cement, common argillaceous to silty matrix, grading to Sandy SILTSTONE, trace glauconite, friable to moderately hard, poor visible poor, no fluorescence.

Ó Copyright 2002 - Petroleum Data Systems International Pty Ltd.
All Right Reserved