Company	Petroleum Development Oman LLC	Date	2-Jan-2011
Well	Yibal-Khuff-1	Depth Reference	Rotary Table
Field	Yibal	Elevation	0 m
Country	Sultanate of Oman	Permanent Datum	Ground Level

SCHLUMBERGER

SPECIAL ELECTRICAL LOG

Run No.	Date	Time	Depth Driller	Depth Logger	Bottom Log Interval	Top Log Interval	Casing Size	Bit Size	Type Fluid in Hole
1	2-Jan-2011	00:00	2000 m	2000 m	2000 m	1900 m	9 5/8 in	8 1/2 in	Water
2	2-Jan-2011	00:00	2000 m	2000 m	2000 m	1900 m	9 5/8 in	8 1/2 in	Water
3	2-Jan-2011	00:00	2000 m	2000 m	2000 m	1900 m	9 5/8 in	8 1/2 in	Water

Recorded By	Witnessed By
Ali Al Ghafri	Ali Al Ghafri

Equipment Number: 2011 - 1000

Equipment Location: Muscat

Recorded By: Ali Al Ghafri

Witnessed By: Ali Al Ghafri

Run No.	Date	Time	Depth Driller	Depth Logger	Bottom Log Interval	Top Log Interval	Casing Size	Bit Size	Type Fluid in Hole
1	2-Jan-2011	00:00	2000 m	2000 m	2000 m	1900 m	9 5/8 in	8 1/2 in	Water
2	2-Jan-2011	00:00	2000 m	2000 m	2000 m	1900 m	9 5/8 in	8 1/2 in	Water
3	2-Jan-2011	00:00	2000 m	2000 m	2000 m	1900 m	9 5/8 in	8 1/2 in	Water

SPONTANEOUS POTENTIAL millivolts

CONDUCTIVITY millimho/m $\frac{mho}{m}$ 0 — 1000

SP NORMAL

SP INVERTED

RESISTIVITY ohmm $\frac{volts}{amp}$ 0.2 — 2000

SPONTANEOUS POTENTIAL millivolts

CONDUCTIVITY millimho/m $\frac{mho}{m}$ 0 — 1000

SP NORMAL

SP INVERTED

RESISTIVITY ohmm $\frac{volts}{amp}$ 0.2 — 2000

Company: PETROLEUM DEVELOPMENT OMAN LLC

Well: YIBAL-KHUFF-1

Field: YIBAL

Country: SULTANATE OF OMAN

Date: 2-Jan-2011

Time: 00:00

Depth Reference: Rotary Table

Elevation: 0 m

Permanent Datum: Ground Level

Depth Driller: 2000 m

Depth Logger: 2000 m

Bottom Log Interval: 2000 m

Top Log Interval: 1900 m

Casing Size: 9 5/8 in

Bit Size: 8 1/2 in

Type Fluid in Hole: Water

Density: 1.0 g/cm³

Viscosity: 0.0 cp

Resistivity: 0.0 ohmm

Temperature: 0.0 °C

Max Rec Temp: 0.0 °C

Equipment Number: 2011 - 1000

Equipment Location: Muscat

Recorded By: Ali Al Ghafri

Witnessed By: Ali Al Ghafri

DETAIL LOG

SPONTANEOUS POTENTIAL millivolts

CONDUCTIVITY millimho/m $\frac{mho}{m}$ 0 — 1000

SP NORMAL

SP INVERTED

RESISTIVITY ohmm $\frac{volts}{amp}$ 0.2 — 2000

SPONTANEOUS POTENTIAL millivolts

CONDUCTIVITY millimho/m $\frac{mho}{m}$ 0 — 1000

SP NORMAL

SP INVERTED

RESISTIVITY ohmm $\frac{volts}{amp}$ 0.2 — 2000

Company: PETROLEUM DEVELOPMENT OMAN LLC

Well: YIBAL-KHUFF-1

Field: YIBAL

Country: SULTANATE OF OMAN

Date: 2-Jan-2011

Time: 00:00

Depth Reference: Rotary Table

Elevation: 0 m

Permanent Datum: Ground Level

Depth Driller: 2000 m

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Temperature: 0.0 °C

Max Rec Temp: 0.0 °C

Equipment Number: 2011 - 1000

Equipment Location: Muscat

Recorded By: Ali Al Ghafri

Witnessed By: Ali Al Ghafri

Calibration after Survey

Calibration after Survey