CONFIDENTIAL

Schlumberger
WELL SERVICES, INC.

COMPANY: Woodside
WELL: Goodwyn A-10
FIELD: Goodwyn
COUNTY: Shire
STATE: Western Australia

Other Services: Dual Induction Laterolog, Sonic Digilog, Borehole Compensated, Cyberlook

Permanent Datum: Mean Sea Level | Elev.: 0
Log Measured From: Kelly Bushing | 15 m Above Perm. Datum
Drilling Measured From: Kelly Bushing

Date	12-Jul-1984	13-Jul-1984	13-Jul-1984	13-Jul-1984	13-Jul-1984	13-Jul-1984	13-Jul-1984	13-Jul-1984
Run No.	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT
Depth-Driller	3,170	3,170	3,170	3,170	3,170	3,170	3,170	3,170
Depth-Logger	3,170	3,170	3,170	3,170	3,170	3,170	3,170	3,170
Bottom Logged Interval	3,170	3,170	3,170	3,170	3,170	3,170	3,170	3,170
Top Logged Interval	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Type Fluid in Hole	KCl/Polymer	KCl/Polymer	KCl/Polymer	KCl/Polymer	KCl/Polymer	KCl/Polymer	KCl/Polymer	KCl/Polymer
Salinity, ppm Cl	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000
Density, lb/gal	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Viscosity, s	45	45	45	45	45	45	45	45
pH	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Fluid Loss, cc	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Source of Sample	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline
Rm @ Meas. Temp	0.19 @ 60	0.19 @ 60	0.19 @ 60	0.19 @ 60	0.19 @ 60	0.19 @ 60	0.19 @ 60	0.19 @ 60
Rmf @ Meas. Temp	0.14 @ 60	0.14 @ 60	0.14 @ 60	0.14 @ 60	0.14 @ 60	0.14 @ 60	0.14 @ 60	0.14 @ 60
Rmc @ Meas. Temp	0.28 @ 60	0.28 @ 60	0.28 @ 60	0.28 @ 60	0.28 @ 60	0.28 @ 60	0.28 @ 60	0.28 @ 60
Source: Rmf / Rmc	Calc / Calc	Calc / Calc	Calc / Calc	Calc / Calc	Calc / Calc	Calc / Calc	Calc / Calc	Calc / Calc
Rm @ BHT	0.10 @ 120	0.10 @ 120	0.10 @ 120	0.10 @ 120	0.10 @ 120	0.10 @ 120	0.10 @ 120	0.10 @ 120
Time Since Circ.	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs
Max. Rec. Temp.	120	120	120	120	120	120	120	120
Equip. No.	3706	3706	3706	3706	3706	3706	3706	3706
Location	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E
Recorded By	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones
Witnessed By	R. Smith	R. Smith	R. Smith	R. Smith	R. Smith	R. Smith	R. Smith	R. Smith

Run No.	Bit No.	Diameter	From	To	Size	Wt.	Grade	Type Joint	Top	Bottom
ONE	1	311 mm	1,000	3,170	244.5 mm	59.5 kg/m	N-80	BTC	0	1,000
					244.5 mm	59.5 kg/m	N-80	BTC	1,000	3,170

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Rmf @ Meas. Temp: 0.14 @ 60 | Rmf @ BHT: 0.10 @ 120
Rmc @ Meas. Temp: 0.28 @ 60 | Rmc @ BHT: 0.19 @ 120
Rm @ Meas. Temp: 0.19 @ 60 | Rm @ BHT: 0.10 @ 120
Source Rmf / Rmc: Calc / Calc
Rm @ BHT: 0.10 @ 120
Time Since Circ.: 12 hrs
Max. Rec. Temperature: 120 | Equipment No.: 3706 | Location: 8 KM E
Recorded By: J. Jones
Witnessed By: R. Smith

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions set out in our current price schedule.

CALIPER
HOLE DIAM IN INCHES
6 in — 16 in

CORRECTION
(Shown C)
-2 in — 2 in

GAMMA RAY
API UNITS
0 — 200

BULK DENSITY
(Shown G)
1.95 g/cc — 2.95 g/cc

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Time Since Circ.	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs	12 hrs
Max. Rec. Temp.	120	120	120	120	120	120	120	120
Equip. No.	3706	3706	3706	3706	3706	3706	3706	3706
Location	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E	8 KM E
Recorded By	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones	J. Jones
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CALIBRATION DATA

CALIBRATION AFTER SURVEY

CALIBRATION BEFORE SURVEY

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