BRAN-DEX

WIRELINE SERVICES

CEMENT BOND
GAMMA RAY
COLLAR LOCATION LOG

Company: HESS BCSE

Well: BRAN-DEX 1

Field: BATTERSEA

Location: 10-34-7-19W4

Province: ALBERTA

Country: CANADA

Permanent Datum: GROUND LEVEL — Elevation: 1234.00 m

Log Measured From: KELLY BUSHING — 5.00 m Above Permanent Datum

Drilling Measured From: KELLY BUSHING

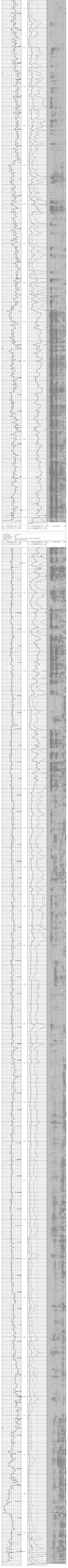
Elevation	1234.00 m	Elevation	1234.00 m
Kelly Bushing	5.00 m	Ground Level	1234.00 m
Drilling Measured From	KELLY BUSHING	Log Measured From	KELLY BUSHING

Run No.	Date	Depth Driller	Depth Logger	Bottom Logged Interval	Top Logged Interval	Casing Fluid Type	Casing Salinity	Casing Fluid Level
ONE	15-Jan-2000	1234.00 m	1234.00 m	1234.00 m	0.00 m	WATER	0 ppm	FULL

Run No.	Bit Run	Bit Diameter	Hole Fluid Type	Hole Salinity	Density	Viscosity	Fluid Loss	Source of Sample	Rm @ Meas. Temp.	Rmf @ Meas. Temp.	Rmc @ Meas. Temp.	Source of Rmf/Rmc	Rm @ BHT	Time Since Circulation	Max. Recorded Temp.	Equipment Location	Recorded By	Witnessed By
ONE	ONE	200.00 mm	WATER	0 ppm	1.00 g/cm3	1.00 mPa.s	0.00 cm3	MUD PIT	0.000 ohmm @ 0.00 degC	0.000 ohmm @ 0.00 degC	0.000 ohmm @ 0.00 degC	MEASURED	0.000 ohmm @ 0.00 degC	0.00 hr	0.00 degC	10-34-7-19W4	J. SMITH	

Run No.	Top Log Interval	Bottom Log Interval	Type Log	Scale
ONE	0.00 m	1234.00 m	CBL	1:200
ONE	0.00 m	1234.00 m	GR	1:200
ONE	0.00 m	1234.00 m	CCL	1:200

Run No.	Tool Type	Tool Serial No.	Tool Diameter	Tool Length	Weight	Max. Temp.	Max. Pressure
ONE	CBL	1001	89.00 mm	3.50 m	45.00 kg	150.00 degC	70.00 MPa
ONE	GR	1001	89.00 mm	3.50 m	45.00 kg	150.00 degC	70.00 MPa
ONE	CCL	1001	89.00 mm	3.50 m	45.00 kg	150.00 degC	70.00 MPa



Drilling Fluid Type: WBM
Hole Size: 12.25"
Max Recorded Temperatures: 0 deg. F. at 0 ft.
Circulation Stopped: 0000 hrs. 0 hrs. ago
Logged Interval: 0 ft. to 0 ft.
Scale: 1 in. = 100 ft.
Logging Unit Number: 1
Engineer: Jeff Dahl
Witnessed By: Jeff Dahl
Logging Contractor: Schlumberger
Run Number: 1
Depth Driller: 0 ft.
Depth Logger: 0 ft.
Bottom Logged Interval: 0 ft.
Top Logged Interval: 0 ft.
Type Fluid in Hole: WBM
Density / Viscosity: 0 lb/gal / 0 s/qt
pH / Fluid Loss: 0 / 0 cc
Source of Sample: Flowline
Rm @ Meas. Temp: 0 ohm-m @ 0 deg. F.
Rmf @ Meas. Temp: 0 ohm-m @ 0 deg. F.
Rmc @ Meas. Temp: 0 ohm-m @ 0 deg. F.
Source of Rmf / Rmc: Measured / Measured
Rm @ BHT: 0 ohm-m @ 0 deg. F.
Time Since Circulation: 0 hrs.
Max Recorded Temperature: 0 deg. F.
Equipment / Location: 0 / 0
Recorded By: Jeff Dahl
Witnessed By: Jeff Dahl

0	Gamma Ray (GAPI)	180
-6	CCL	-0.75

0	Amplified Amplitude (mV)	30
0	Amplitude (mV)	85

200	Variable Density	1200