

# HEF PETROPHYSICAL CONSULTING INC.

## **BOREHOLE IMAGE INTERPRETATION**

### **Using CMI Data**

**SUNCOR ENERGY INC** COMPANY

**SUNCOR FIREBAG 4-7-93-4** WELL

**UNDEFINED** FIELD

**CANADA ALBERTA** PROVINCE **COUNTRY** 

LOCATION

UWID: 1AA040709304W400

I OD- 04 07 000 0414/4 1 10 4 040000

LSD: 04-07-093-04W4			LIC # 0492309
Elevations:	KB: 656.50 m	DF:	GL: 652.30 m
RUN NUMBER	One		
LOGGING DATE	01-Mar-19		
DEPTH - DRILLER	378.00 m		
DEPTH - LOGGER	377.90 m		
BOTTOM LOGGED INTERVAL	377.08 m		
TOP LOGGED INTERVAL	0.00 m		
BIT SIZE	159.00 mm		
FLUID TYPE IN HOLE	Polymer		
LOGGING CONTRACTOR	Weatherford		
HEF REFERENCE NUMBER	sunc190301b		

# In making ir inferences 1 liable or res any of our e

### Below information extracted from main pass LAS file

: Mud

STRT .M 0.0 :	ENG . S. RADFORD
Start STOP .M 379.0 :	: Recording engineer WIT . Y. WARRAICH
Stop	: Witnessed by
STEP .M 0.1 :	CSGT. SURFACE
Step increment	: Casing type
NULL999.250 :	CSGS .MM 177.800
Null value	: Casing size
COMP . SUNCOR ENERGY	CSGW .KG/M 25.300
NC. : Company	: Casing weight
WELL . SUNCOR FIREBAG 4-7-	CSGD .M 109.380
93-4 : Well	Casing bottom (driller)
FLD . UNDEFINED Field	CSGL .M 109.700
PROV . ALBERTA	Casing bottom (logger)
Province	CSUP .M 0.000
CTRY. Canada :	Casing Stick Up GL
State / Country	MUD . POLYMER
_OC :	: Mud type MUDS . FLOWLINE
_ocation _OC2 . 04-07-093-04W4	: Mud sample source
_OC2 . 04-07-093-04W4 Location 2	MUDD .K/M3 1140.000
SRVC . Weatherford :	: Mud density
Service company	MUDV .SEC/L 76.000
JWI . 1AA040709304W400	: Mud viscosity
Unique Well ID	PH . 9.000
_IC . 0492309 :	рН
Licence Number	FL .ML/30MIN 6.000
DATE . 2019-03-01 :	Mud fluid loss rate
Logging Date (YYYY-MM-DD) RNID . MP :	RM .OHMM 2.250
Run ID	Mud resistivity
SON . 3886-238493448	RMT .DEGC 20.600
Job Number	: Mud sample temperature RMF .OHMM 2.180
DREF KB :	: Mud filtrate resistivity
Depth reference	RMFT .DEGC 13.900
EREF.M 656.500 :	: Mud filtrate sample temperature
Elevation of depth reference GL .M 652.300 :	RMC .OHMM 3.380
Ground elevation	: Mud cake resistivity
DDRF. KB :	RMCT .DEGC 20.600
Orilling Depth Reference	: Mud cake sample temperature
DERF .M 656.500 :	RMBT OHMM 2.960
Elevation of Drilling Depth Reference	: Mud Resistivity at BHT
RUN . 1 : Run	BHT .DEGC 11.000
number FDD .M 378.000 :	: Bottom Hole Temperature
TD (driller)	TMAX .DEGC 11.000 : Max recorded temperature
TDL .M 377.900 :	. Max recorded temperature
TD (logger)	
3S .MM 159.000 :	
Bit size	
TIMC . 28-Mar-19 23:30:00.000	
Time circulation ended  TIML . 01-Mar-19 04:00:00.000	
Time logger at bottom	
JNIT : 13112 :	
Equipment ID	
BÁSE. EDM :	