



ENDEAVOUR GEOPHYSICS

## HARD ROCK COAL

VR012

FULL WAVE SONIC

1:100

LOCATION		HOLE ATTRIBUTES				LOGGING DETAILS			
LOCATION	FINGAL	DATE	28/09/2015			RECORDED BY	CALEB AMES		
EL		FLUID LEVEL	16.8 m			WITNESSED BY	RON GREGORY		
PROVINCE		FLUID TYPE	WATER			UNIT	EG025		
STATE	TASMANIA	DRILLED DEPTH	510 m			LOGGED DEPTH	509 m		
COUNTRY	AUSTRALIA	DATUM	GROUND LEVEL			INT LOGGED	372-509 m		
LATI		DRILLING COMPANY	SPAULDING			LOGGING RUNS			
LONG		DRILLING RIG							
GEODETIC DATUM	GDA94	BOREHOLE RECORD				FDS(ROD)	717	500	0
COORD	MGA55	TYPE	SIZE	FROM m	TO m	MST(OH)		428	0
EASTING	590067	DIAM	NQ	GL	TD	FWS	S021	509	372
NORTHING	5389095					ATV		428	372
ELEVATION	m					FDS(OH)	717	510	372
SRVC	ENDEAVOUR GEOPHYSICS	CASING RECORD				MST(OH)		510	445
WEB	www.endeavourgeo.com	TYPE	SIZE	FROM m	TO m	ATV		510	445
COMMENTS		RODS	NQ	0	372				
LOGGED HOLE FROM BOTTOM OF RODS AT 372 TO EOH at 509m									

## FULL WAVE SONIC - FWS50



CALIBRATION		MNEUMONICS		ATTRIBUTES	
FWS_TESTED_DATE	23/05/2015	RX1 = Transmitter-Receiver1 travelttime and wave amp	FWS_LENGTH	2.9m	
FWS_MODEL	ALT FWS50	RX2 = Transmitter-Receiver2 travelttime and wave amp	FWS_DIAMETER	50mm	
FWS_SERIAL_NO	SON021	RX1 - dt = Receiver1 first wave arrival in microseconds	TX-RX1_SPACING	3FT	
		RX2 - dt = Receiver2 first wave arrival in microseconds	TX-RX2_SPACING	4FT	
		Velocity Analysis = Merging of RX1 RX2 wavetrains	TOP_RX2_SPACING	0.93m	
		Primary Wave DT = Interpreted from Velocity Analysis	ACOUSTIC_WAVE_FREQUENCY	15KHz	
		Shear Wave DT = Interpreted from Velocity Analysis	FWS_MAX_TEMP	70 degC	
		DT1 = from RX1-dt in us/m	FWS_MAX_PRESSURE	200 bars	
		DT2 = from RX2-dt in us/m			
		DT3 = (RX2-dt)-(RX1-dt)/0.3048 in us/m			
		Poisson's ratio, bulk modulus calculations possible with density data			





















