COUNTRY: New Zealand Date Logged: 20-Dec-2017 Date Processed: 27-Dec-2017 Surface Location: Longitude: 178° 53' 45.618" E Latitude: 38° 51' 32.202" S Elevations: DF: 11 m GL: -2637 m	COMPANY: IODP WELL: HSM-15A_A RIG NAME: Joides Resolution	Monopole High Compressional QC Plot *AMark of Schlumberger Using the following logs: SonicScope, Neoscope	HSM-15A A SonicScope	Schlimhongon
FOLD HERE:	The well name, location and boreho	ole reference data were furnished by the	ne customer.	
the customer at any time in connection w which, inferences, empirical relationships Schlumberger cannot and does not warra or recommendation. The customer ackno- implied, of any kind or description in resp	with the services are opinions base and/or assumptions are not infalliant the accuracy, correctness, or owledges that it is accepting the select thereto, and that such services	ed on inferences from measurem ble and with respect to which pro completeness of any such interpre vices "as is," that Schlumberger are delivered with the explicit ur	s or otherwise communicated by Schlumberger to ents, empirical relationships, and/or assumptions; of sessionals in the industry may differ. Accordingly, tation, research, analysis, data, results, estimates, makes no representation or warranty, express or iderstanding and agreement that any action taken Schlumberger as a consequence thereof.	
Svc. Order #: Techl	og Vers: 2017.2	Analyst Onishant	Process Date: 27-Dec-2017	
Mud and Borehole Measurements:				
Casing Size:	BHT : 5 degC		Bit Size: 8.5 in	
Casing ID:	Type Fluid in Hole: Se	a Water		
Casing Weight	Mud density: 8.6 lbm/g	al		
Remarks:				

- Data might be affected due to borehole condition and mud contamination.
 Monopole High waveform is processed in the interval 2700-2735m to get formation compressional arrival.

Processing parameters summary

Filter type: Static filter Filter band high: 13000 Hz Filter band low: 9000 Hz Formation type: Intermediate Average hole size: 8.5 in Leaky-P: No Dispersion file mode: None Receiver/transmitter/DDBHC mode: Receiver mode Mud slowness: 200 us/ft Mud density: 8.599999 lbm/gal Multishot NRSA: 7 Mud type: WBM Semblance threshold: 0.35 Search band offset: 294.583 us Search band width: 2135.83 us Slowness lower limit: 40 us/ft Shear only processing: No Slowness step: 2 us/ft STC stacking: Yes Slowness upper limit: 240 us/ft Slowness width: 20 us/ft Compute SFA: Yes Max frequency: 12000 Hz Min frequency: 0 Hz Model order: 2 Time lower limit: 400 us Matching tolerance: 50 Shear lower limit: 80 us/ft Compressional lower limit: 56.7 us/ft Compressional upper limit: 127.5 us/ft Shear upper limit: 540 us/ft Time upper limit: 3700 us Time step: 100 us Time width: 1600 us Integration time window: 300 us Waveform: WFA_MHT Reference receiver: 6 **Receiver selection:** R1;R2;R3;R4;R5;R6;R7;R8;R9;R10;R11;R12 **DEVI** P34H 0.00 0.15 0.25 0.35 0.45 0.56 0.66 0.76 0.86 ohm.m 2000 deg 10 0.2 ST Projection SCOPE ROP5 P22H VDI ohm.m 2000 0.2 200 m/h 0 -1048.62 SPR MH BS A34H WF VDL - R 6 MD 2000 6 in 16 0.2 ohm.m 40 us/ft 240 0 3000 (m) **GRMA** A40H DTCO MH **TICO** 1:200 0.2 2000 40 240 3000 gAPI 200 us/ft 0 0 ohm.m us 2705 2710 2715 2720 2725 2730

Caliper: BS in

Filter length: 41

Borehole status: Open hole

Energy threshold: 1 Pa

Bit size: 8.5 in

Energy threshold option: Collar only

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	DEVI				P34H		ဝ က	ប៊ីសិសិសិ	0 0 0 -			
0	deg	10		0.2	ohm.m	2000	0.0	0.25 0.35 0.45 0.56	0.6 0.7 0.8 1.0			
	ROP5				P22H			_Projection			VDL	
200	m/h	0		0.2	ohm.m	2000				-1048.62		
L	BS				A34H			SPR_M	WF VDL - R 6			
6	in	16	MD	0.2	ohm.m	2000	40	us/ft	240	0		3000
	GRMA		(m)		A40H			DTCO_N	ИΗ		TICO	
0	gAPI	200	1:200	0.2	ohm.m	2000	40	us/ft	240	0	us	3000
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Schlumberger

Company: IODP

Well: HSM-15A_A

Rig Name: Joides Resolution

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Surface Location: 178° 53' 45.618" E 38° 51' 32.202" S

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