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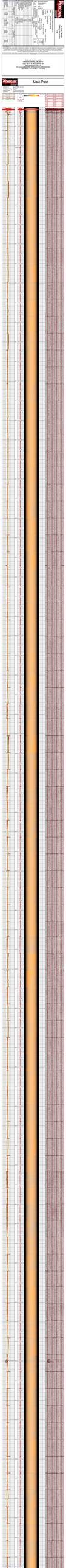
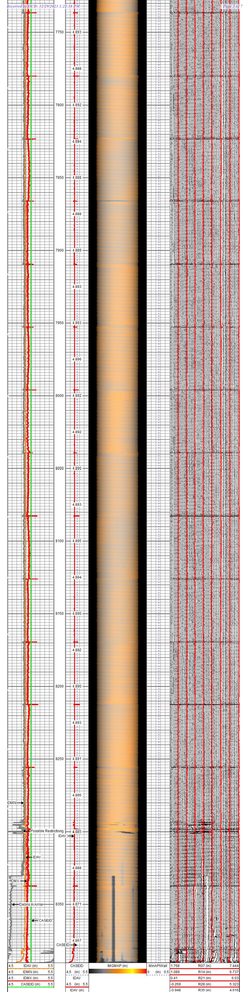
99	99	99	99	99	99	99	99	99	99	99	99
100	100	100	100	100	100	100	100	100	100	100	100

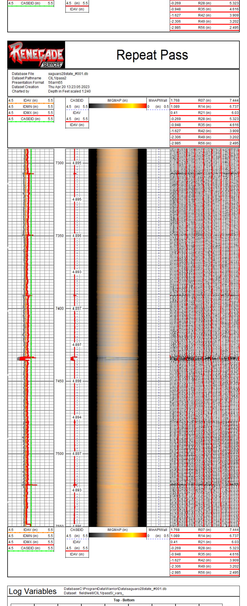
Main Pass

Depth Shift: 0.0000 ft
Max Log Speed: 0.0000 ft/min
Max Log Tension: 0.0000 lbs
Max Log Pressure: 0.0000 psi
Max Log Temperature: 0.0000 °F

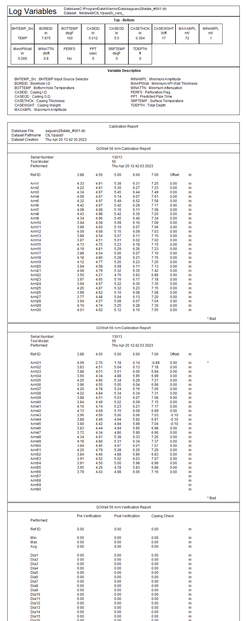
Curve	Min	Max	Average
Gamma Ray	0.0000	0.0000	0.0000
Temperature	0.0000	0.0000	0.0000
Pressure	0.0000	0.0000	0.0000
Tension	0.0000	0.0000	0.0000
Speed	0.0000	0.0000	0.0000







Repeat Pass



Log Variables

Datalogger C:\Program Files\Geotech\Geoinspector\Data_4501.db
Operator Hammond/TL/Vasquez/Ortiz

Top - Bottom

BHTEMP_DN	BCREQ_DN	BHTEMP_UP	CHEDO_DN	CHEDO_UP	CHBETHCK_DN	CHEBENGAP_DN	MAXAMPL_DN	MINAMPL_DN
TEMP	FATG	TEMP	1-0.0-0	0.5	0.304	17	72	1

AbsolPress2	AVBATTN	PERFS	PFF	DRTSEP	TOPPSI
psi	Volts		psi	ft	psi
0.258	1.8	No	0	0	0

Variable Descriptions

BHTEMP_DN - BHTEMP Input Source Sensor
BCREQ_DN - Caliper
BHTEMP_UP - Temperature
CHEDO - Coating I.D.
FATG - Fluid Attenuation
CHETHCK - Coating Thickness
CHEBENGAP - Coating Weight
MAXAMPL - Maximum Amplitude
MINAMPL - Minimum Amplitude
AbsolPress2 - Absolute Pressure
AVBATTN - Minimum Attenuation
PERFS - Perforation Flag
PFF - Perforation Factor
DRTSEP - Sump Temperature
TOPPSI - Total Depth

Database File sequoia2Delaba_4501.db
Dataset Pathname C:\Nuvo2
Dataset Created Thu Apr 20 12:42:20 2023

Calibration Report

GOthet 55 Arm Calibration Report

Serial Number	13013
Tool Model	55
Performed	Thu Apr 20 12:42:03 2023

Ref ID	3.88	4.50	5.00	5.50	7.00	Offset	in
Arm1	4.23	4.91	5.38	5.91	7.25	0.00	in
Arm2	4.25	4.81	5.30	5.87	7.23	0.00	in
Arm3	4.34	4.97	5.45	6.44	7.49	0.00	in
Arm4	4.29	4.78	5.24	5.76	7.20	0.00	in
Arm5	4.32	4.97	5.45	6.52	7.58	0.00	in
Arm6	4.42	4.97	5.42	6.25	7.17	0.00	in
Arm7	4.29	4.78	5.24	5.76	7.20	0.00	in
Arm8	4.42	4.96	5.42	5.92	7.20	0.00	in
Arm9	4.34	4.96	5.45	6.40	7.34	0.00	in
Arm10	4.29	4.78	5.24	5.76	7.20	0.00	in
Arm11	4.28	4.93	5.15	5.97	7.08	0.00	in
Arm12	4.08	4.64	5.04	5.95	7.15	0.00	in
Arm13	4.08	4.64	5.04	5.95	7.15	0.00	in
Arm14	4.08	4.64	5.04	5.95	7.15	0.00	in
Arm15	4.16	4.81	5.26	6.26	7.23	0.00	in
Arm16	4.16	4.81	5.26	6.26	7.23	0.00	in
Arm17	4.16	4.81	5.26	6.26	7.23	0.00	in
Arm18	4.16	4.80	5.22	6.21	7.19	0.00	in
Arm19	4.12	4.77	5.25	6.23	7.20	0.00	in
Arm20	4.12	4.77	5.25	6.23	7.20	0.00	in
Arm21	4.26	4.79	5.22	6.20	7.42	0.00	in
Arm22	3.93	4.21	4.79	5.83	6.88	0.00	in
Arm23	4.29	4.97	5.32	6.23	7.15	0.00	in
Arm24	4.34	4.97	5.32	6.23	7.15	0.00	in
Arm25	4.29	4.97	5.32	6.23	7.15	0.00	in
Arm26	4.29	4.97	5.32	6.23	7.15	0.00	in
Arm27	4.29	4.97	5.32	6.23	7.20	0.00	in
Arm28	4.29	4.97	5.32	6.23	7.20	0.00	in
Arm29	4.10	4.74	5.25	6.28	7.26	0.00	in
Arm30	4.01	4.52	5.12	6.12	7.05	0.00	in

* Bad

GOthet 55 Arm Calibration Report

Serial Number	13013
Tool Model	55
Performed	Thu Apr 20 12:42:03 2023

Ref ID	3.88	4.50	5.00	5.50	7.00	Offset	in
Arm31	4.03	2.70	1.18	0.14	-0.89	0.00	in
Arm32	3.83	4.51	5.04	5.93	7.18	0.00	in
Arm33	3.88	4.55	5.01	5.90	6.94	0.00	in
Arm34	3.88	4.55	5.01	5.90	6.94	0.00	in
Arm35	4.25	4.96	5.34	6.25	7.23	0.00	in
Arm36	4.25	4.96	5.34	6.25	7.23	0.00	in
Arm37	4.25	4.78	5.24	5.76	7.20	0.00	in
Arm38	4.29	4.78	5.24	5.76	7.20	0.00	in
Arm39	3.98	4.57	5.01	5.97	7.08	0.00	in
Arm40	3.94	4.49	5.02	6.08	7.15	0.00	in
Arm41	3.94	4.49	5.02	6.08	7.15	0.00	in
Arm42	4.12	4.78	5.15	6.06	6.94	0.00	in
Arm43	3.90	4.55	5.04	6.00	7.03	0.10	in
Arm44	3.90	4.55	5.04	6.00	7.03	0.10	in
Arm45	3.90	4.55	5.04	6.00	7.04	0.10	in
Arm46	3.83	4.44	4.94	5.95	6.98	0.00	in
Arm47	3.83	4.44	4.94	5.95	6.98	0.00	in
Arm48	4.08	4.74	5.22	6.17	7.25	0.00	in
Arm49	4.08	4.74	5.22	6.17	7.25	0.00	in
Arm50	4.24	4.95	5.41	6.24	7.07	0.00	in
Arm51	4.08	4.74	5.22	6.17	7.25	0.00	in
Arm52	3.91	4.52	5.02	6.03	7.07	0.00	in
Arm53	3.91	4.52	5.02	6.03	7.07	0.00	in
Arm54	3.91	4.52	5.02	6.03	7.07	0.00	in
Arm55	3.78	4.43	4.96	5.96	7.16	0.00	in
Arm56							in
Arm57							in
Arm58							in
Arm59							in
Arm60							in

* Bad

GOthet 55 Arm Verification Report

	Performed	Pre Verification	Post Verification	Casing Check	
Ref ID		0.00	0.00	0.00	in
Min.		0.00	0.00	0.00	in
Max		0.00	0.00	0.00	in
Avg		0.00	0.00	0.00	in
Dur1		0.00	0.00	0.00	in
Dur2		0.00	0.00	0.00	in
Dur3		0.00	0.00	0.41	in
Dur4		0.00	0.00	0.00	in
Dur5		0.00	0.00	0.00	in
Dur6		0.00	0.00	0.00	in
Dur7		0.00	0.00	0.00	in
Dur8		0.00	0.00	0.00	in
Dur9		0.00	0.00	0.00	in
Dur10		0.00	0.00	0.00	in
Dur11		0.00	0.00	0.00	in
Dur12		0.00	0.00	0.00	in
Dur13		0.00	0.00	0.00	in
Dur14		0.00	0.00	0.00	in
Dur15		0.00	0.00	0.00	in
Dur16		0.00	0.00	0.00	in
Dur17		0.00	0.00	0.00	in
Dur18		0.00	0.00	0.00	in
Dur19		0.00	0.00	0.00	in
Dur20		0.00	0.00	0.00	in
Dur21		0.00	0.00	0.00	in
Dur22		0.00	0.00	0.00	in
Dur23		0.00	0.00	0.00	in
Dur24		0.00	0.00	0.00	in
Dur25		0.00	0.00	0.00	in
Dur26		0.00	0.00	0.00	in
Dur27		0.00	0.00	0.00	in
Dur28		0.00	0.00	0.00	in
Dur29		0.00	0.00	0.00	in
Dur30		0.00	0.00	0.00	in

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-ETHERE-0200 Standard Cable Head	1.00	1.43	10.00
Meas	2.63		SPRING-55 (13013) TOPS 55 Arm caliper	6.55	9.00	
Aux1	9.25		Adapter-Bull Nog 2in Cylinder	0.25	0.88	2.00

Dataset Pathname sequoia2Delaba_4501.db:fieldwatchCAL1(pass3)
Total Length 17.43 ft
Total weight 12.50 lb
O.D. 1.43 in

RENEGADE WIRELINE SERVICES LLC

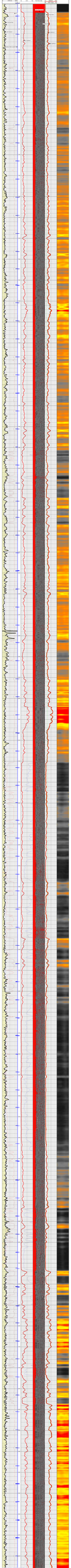
Company	Ray Westall Operating Inc.
Well	Saguaro State 28 #1
Field	Central Eddy
County	Eddy
State	New Mexico

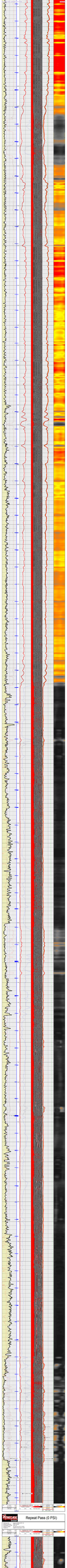
Company	Petroleum Development Oman
Well	Yibal-Khuff-1
Field	Yibal
County	Muscat
State	Oman
Country	Oman
Other Services	Cement Bond Log
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
Elevation	0 m
Elevation	0 m
Elevation	0 m
Date	12-Jan-2010
Run Number	ONE
Depth Driller	3000 m
Depth Logger	2998 m
Bottom Log Interval	2996 m
Top Log Interval	0 m
Casing Driller	9.625 in @ 0 m
Casing Logger	9.625 in @ 0 m
Bit Size	8.5 in
Type Fluid in Hole	Water
Density	1.0 g/cm3
Viscosity	1 cP
Fluid Level	0 m
Max Recorded Temperature	0 degC
Max Recorded Pressure	0 psi
Equipment Number	0
Location	0
Recorded By	Mohammed Al Ghafri
Witnessed By	Mohammed Al Ghafri

Comments

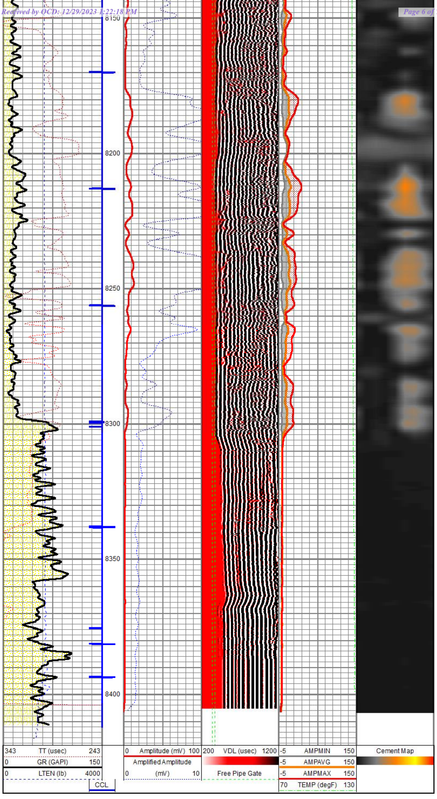
Main Pass (0 PSI)

Company: Petroleum Development Oman
Well: Yibal-Khuff-1
Field: Yibal
County: Muscat
State: Oman
Country: Oman
Other Services: Cement Bond Log
Permanent Datum: Ground Level
Log Measured From: Kelly Bushing
Drilling Measured From: Kelly Bushing
Elevation: 0 m
Elevation: 0 m
Elevation: 0 m
Date: 12-Jan-2010
Run Number: ONE
Depth Driller: 3000 m
Depth Logger: 2998 m
Bottom Log Interval: 2996 m
Top Log Interval: 0 m
Casing Driller: 9.625 in @ 0 m
Casing Logger: 9.625 in @ 0 m
Bit Size: 8.5 in
Type Fluid in Hole: Water
Density: 1.0 g/cm3
Viscosity: 1 cP
Fluid Level: 0 m
Max Recorded Temperature: 0 degC
Max Recorded Pressure: 0 psi
Equipment Number: 0
Location: 0
Recorded By: Mohammed Al Ghafri
Witnessed By: Mohammed Al Ghafri


Casing Shoe
Casing Shoe
Casing Shoe



Repeat Pass (0 PSI)



Log Variables

Database C:\ProgramData\Warrior\Data\saguaro28state_#001.db
Dataset field\well\RCBL1\pass4_vars_

Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL	MINATTN
	in	degF	in	in	lb/ft	mV	mV	db/ft
TEMP	7.875	100	5.5	0.304	17	72	1	0.8

PERFS	PPT	SRFTEMP	TDEPTH
	usec	degF	ft
No	0	0	0

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

Calibration Report

Database File	saguaro28state_#001.db
Dataset Pathname	RCBL1\pass4
Dataset Creation	Thu Apr 20 10:39:02 2023

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 120366

SHOP CALIBRATION — Thu Apr 20 09:37:55 2023

	Counts/Sec.	Gain	Offset	Jig	Units
Background	49.5				cps
Calibrator	451.5				cps
		0.8160			GAPI/cps

PRIMARY VERIFICATION — Thu Apr 20 09:40:40 2023

Background	51.3				cps
Calibrator	362.2				cps
Difference				310.9	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number:	AB8	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	-0.025	ft

Master Calibration, performed Thu Apr 20 09:31:32 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	1.014	1.000	71.921	70.432	0.538
CAL	0.004	0.994				
5'	0.009	0.869	1.000	71.921	82.386	0.293
SUM						
S1	0.022	0.999	0.000	100.000	102.333	-2.252
S2	0.004	0.997	0.000	100.000	100.687	-0.441
S3	0.005	0.999	0.000	100.000	100.619	-0.518
S4	0.005	0.998	0.000	100.000	100.759	-0.535
S5	0.005	1.003	0.000	100.000	100.229	-0.542
S6	0.005	1.011	0.000	100.000	99.459	-0.514
S7	0.006	0.993	0.000	100.000	101.310	-0.571
S8	0.006	0.993	0.000	100.000	101.282	-0.575

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.994	1.000	0.000

Air Zero Calibration, performed Thu Apr 20 09:31:59 2023:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.007	0.000	0.000
5'	0.008	0.000	0.001
SUM			
S1	0.022	0.000	0.000
S2	0.005	0.000	-0.000
S3	0.005	0.000	-0.000
S4	0.006	0.000	-0.001
S5	0.005	0.000	0.000
S6	0.005	0.000	0.000
S7	0.006	0.000	-0.000
S8	0.006	0.000	-0.000

Temperature Calibration Report

Serial Number:	AB8			
Tool Model:	Probe			
Performed:	(Not Performed)			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	0.80			
Offset:	0.00			
Delta Spacing	1			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1.6875CHD	1.00	1.69	10.00
			CENT-Probe Probe 2 3/4 Centralizer	2.83	2.75	20.00
TEMP	13.98					
WVFS8	11.77		RBT-Probe (AB8) Probe Radii Bond Tool with Digital Telemetry	8.83	2.75	93.00
WVFS7	11.77					
WVFS6	11.77					
WVFS5	11.77					
WVFS4	11.77					
WVFS3	11.77					
WVFS2	11.77					
WVFS1	11.77					
WVFCAL	11.77					
WVF3FT	11.77					
WVF5FT	10.77					
			CENT-Probe Probe 2 3/4 Centralizer	2.83	2.75	20.00
CCL	3.92					
GR	2.54		GR-Probe275dig (120366) Probe Digital Gamma CCL	4.75	2.75	57.00

Dataset:	saguaro28state_#001.db: field\well\RCBL1\pass4
Total length:	20.25 ft
Total weight:	200.00 lb
O.D.	2.75 in

RENEGADE WIRELINE SERVICES

Company	Ray Westall Operating Inc.
Well	Saguaro State 28 #1
Field	Central Eddy
County	Eddy
State	New Mexico

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 298466

CONDITIONS

Operator: RAY WESTALL OPERATING, INC. P.O. Box 4 Loco Hills, NM 88255	OGRID: 119305
	Action Number: 298466
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	12/29/2023