Company	Petrobras
Well	1-BRSA-1-ES
Field	Espadarte
Block	BM-ES-23
Rig	Sonda Petrobras
Date	2009
Time	00:00
Depth	2,000 m
Mud Type	Water Based Mud
Mud Weight	1.03 sg
Viscosity	50 s
Plastic Viscosity	14 cP
Yield Point	10 lb/100 ft²
Gels 10 sec	4 lb/100 ft²
Gels 10 min	6 lb/100 ft²
Fluid Loss	4.0 cc
Solids	6.0 %
Sand	0.1 %
MBT	15 kg/m³
pH	9.0
Pm	0.3
Pf/Mf	0.05/0.6
Chlorides	35,000 mg/L
Calcium	400 mg/L
Magnesium	1,200 mg/L
Potassium	3,000 mg/L
Excess Lime	1.5 kg/m³
Water Activity	0.95 aw

Bit Data

Bit Number	1
Bit Size	26"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345678
Jets	3x20
Total Flow Area	0.94 in²
Depth In	1,000 m
Depth Out	2,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	2
Bit Size	17½"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345679
Jets	3x20
Total Flow Area	0.94 in²
Depth In	2,000 m
Depth Out	3,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	3
Bit Size	12¼"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345680
Jets	3x20
Total Flow Area	0.94 in²
Depth In	3,000 m
Depth Out	4,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	4
Bit Size	8½"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345681
Jets	3x20
Total Flow Area	0.94 in²
Depth In	4,000 m
Depth Out	5,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	5
Bit Size	6"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345682
Jets	3x20
Total Flow Area	0.94 in²
Depth In	5,000 m
Depth Out	6,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	6
Bit Size	4½"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345683
Jets	3x20
Total Flow Area	0.94 in²
Depth In	6,000 m
Depth Out	7,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	7
Bit Size	3"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345684
Jets	3x20
Total Flow Area	0.94 in²
Depth In	7,000 m
Depth Out	8,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	8
Bit Size	2"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345685
Jets	3x20
Total Flow Area	0.94 in²
Depth In	8,000 m
Depth Out	9,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	9
Bit Size	1"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345686
Jets	3x20
Total Flow Area	0.94 in²
Depth In	9,000 m
Depth Out	10,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	10
Bit Size	½"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345687
Jets	3x20
Total Flow Area	0.94 in²
Depth In	10,000 m
Depth Out	11,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	11
Bit Size	¼"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345688
Jets	3x20
Total Flow Area	0.94 in²
Depth In	11,000 m
Depth Out	12,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	12
Bit Size	⅛"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345689
Jets	3x20
Total Flow Area	0.94 in²
Depth In	12,000 m
Depth Out	13,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	13
Bit Size	1/16"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345690
Jets	3x20
Total Flow Area	0.94 in²
Depth In	13,000 m
Depth Out	14,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	14
Bit Size	1/32"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345691
Jets	3x20
Total Flow Area	0.94 in²
Depth In	14,000 m
Depth Out	15,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	15
Bit Size	1/64"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345692
Jets	3x20
Total Flow Area	0.94 in²
Depth In	15,000 m
Depth Out	16,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	16
Bit Size	1/128"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345693
Jets	3x20
Total Flow Area	0.94 in²
Depth In	16,000 m
Depth Out	17,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	17
Bit Size	1/256"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345694
Jets	3x20
Total Flow Area	0.94 in²
Depth In	17,000 m
Depth Out	18,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	18
Bit Size	1/512"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345695
Jets	3x20
Total Flow Area	0.94 in²
Depth In	18,000 m
Depth Out	19,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	19
Bit Size	1/1024"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345696
Jets	3x20
Total Flow Area	0.94 in²
Depth In	19,000 m
Depth Out	20,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	20
Bit Size	1/2048"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345697
Jets	3x20
Total Flow Area	0.94 in²
Depth In	20,000 m
Depth Out	21,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	21
Bit Size	1/4096"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345698
Jets	3x20
Total Flow Area	0.94 in²
Depth In	21,000 m
Depth Out	22,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	22
Bit Size	1/8192"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345699
Jets	3x20
Total Flow Area	0.94 in²
Depth In	22,000 m
Depth Out	23,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	23
Bit Size	1/16384"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345700
Jets	3x20
Total Flow Area	0.94 in²
Depth In	23,000 m
Depth Out	24,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	24
Bit Size	1/32768"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345701
Jets	3x20
Total Flow Area	0.94 in²
Depth In	24,000 m
Depth Out	25,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	25
Bit Size	1/65536"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345702
Jets	3x20
Total Flow Area	0.94 in²
Depth In	25,000 m
Depth Out	26,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	26
Bit Size	1/131072"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345703
Jets	3x20
Total Flow Area	0.94 in²
Depth In	26,000 m
Depth Out	27,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	27
Bit Size	1/262144"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345704
Jets	3x20
Total Flow Area	0.94 in²
Depth In	27,000 m
Depth Out	28,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	28
Bit Size	1/524288"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345705
Jets	3x20
Total Flow Area	0.94 in²
Depth In	28,000 m
Depth Out	29,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	29
Bit Size	1/1048576"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345706
Jets	3x20
Total Flow Area	0.94 in²
Depth In	29,000 m
Depth Out	30,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	30
Bit Size	1/2097152"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345707
Jets	3x20
Total Flow Area	0.94 in²
Depth In	30,000 m
Depth Out	31,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	31
Bit Size	1/4194304"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345708
Jets	3x20
Total Flow Area	0.94 in²
Depth In	31,000 m
Depth Out	32,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	32
Bit Size	1/8388608"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345709
Jets	3x20
Total Flow Area	0.94 in²
Depth In	32,000 m
Depth Out	33,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	33
Bit Size	1/16777216"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345710
Jets	3x20
Total Flow Area	0.94 in²
Depth In	33,000 m
Depth Out	34,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	34
Bit Size	1/33554432"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345711
Jets	3x20
Total Flow Area	0.94 in²
Depth In	34,000 m
Depth Out	35,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	35
Bit Size	1/67108864"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345712
Jets	3x20
Total Flow Area	0.94 in²
Depth In	35,000 m
Depth Out	36,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	36
Bit Size	1/134217728"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345713
Jets	3x20
Total Flow Area	0.94 in²
Depth In	36,000 m
Depth Out	37,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	37
Bit Size	1/268435456"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345714
Jets	3x20
Total Flow Area	0.94 in²
Depth In	37,000 m
Depth Out	38,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	38
Bit Size	1/536870912"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345715
Jets	3x20
Total Flow Area	0.94 in²
Depth In	38,000 m
Depth Out	39,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	39
Bit Size	1/1073741824"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345716
Jets	3x20
Total Flow Area	0.94 in²
Depth In	39,000 m
Depth Out	40,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	40
Bit Size	1/2147483648"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345717
Jets	3x20
Total Flow Area	0.94 in²
Depth In	40,000 m
Depth Out	41,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	41
Bit Size	1/4294967296"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345718
Jets	3x20
Total Flow Area	0.94 in²
Depth In	41,000 m
Depth Out	42,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	42
Bit Size	1/8589934592"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345719
Jets	3x20
Total Flow Area	0.94 in²
Depth In	42,000 m
Depth Out	43,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	43
Bit Size	1/17179869184"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345720
Jets	3x20
Total Flow Area	0.94 in²
Depth In	43,000 m
Depth Out	44,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	44
Bit Size	1/34359738368"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345721
Jets	3x20
Total Flow Area	0.94 in²
Depth In	44,000 m
Depth Out	45,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	45
Bit Size	1/68719476736"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345722
Jets	3x20
Total Flow Area	0.94 in²
Depth In	45,000 m
Depth Out	46,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 spm
Avg Vibration	0.5 g
Dull Grade	1-1-WT-A-E-I-NO-TD

Bit Data

Bit Number	46
Bit Size	1/137438953472"
Type	PDC
Manufacturer	Smith
Model	MDSI616
Serial Number	12345723
Jets	3x20
Total Flow Area	0.94 in²
Depth In	46,000 m
Depth Out	47,000 m
Footage	1,000 m
Hours	18.5 h
Avg ROP	54.1 m/h
Avg WOB	12 tf
Avg RPM	120 rpm
Avg SPP	3,500 psi
Avg Flow	1,200 L/min
Avg Torque	8 kNm
Avg SPM	120 sp