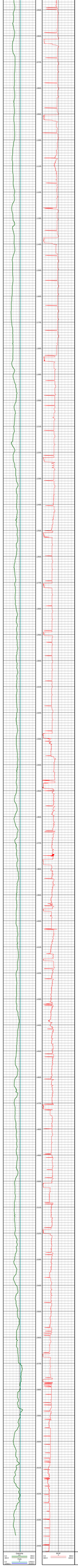
Hop 18E-23Z

Operator
Hess Corp
Field
Tioga
County
Bottineau
State
ND
Surface Location
Lat: 48.84 N
Long: 101.29 W
Elevation
KB: 1,848.00 ft
GL: 1,824.00 ft
Spud Date
Start: 2/12/2013
End: 2/14/2013
Rig Release
Date: 2/14/2013
Total Depth
Date: 2/14/2013
Drilling Contractor
Name: Nabors Drilling USA
Rig: Nabors B22
Mud Type
Type: Fresh Water
Bit Record
Bit: 1
Size: 8.750 in
Manufacturer: Smith Tool
Type: MDSi616
Serial: 12420294
Jets: 18 18 18 18 18
TFA: 0.9940
Mud Motor
Type: 7/8 5.7 stage
Serial: 7/8 5.7 stage
Lobes: 7/8 5.7 stage
Stages: 7/8 5.7 stage
Bend: 1.5 deg
Rev/Gal: 0.28
Bit Sub
Type: Bit Sub
Serial: Bit Sub
Lobes: Bit Sub
Stages: Bit Sub
Bend: Bit Sub
Rev/Gal: Bit Sub
Stabilizer
Type: Stabilizer
Serial: Stabilizer
Lobes: Stabilizer
Stages: Stabilizer
Bend: Stabilizer
Rev/Gal: Stabilizer

Total Footage Drilled		Avg. ROP	Max. ROP
9,900.00 ft		100.00 ft/hr	300.00 ft/hr

Total Drilling Time		Total Rotating Time		Total Sliding Time		Total Circulating Time	
99.00 hr		66.00 hr		33.00 hr		0.00 hr	

Bit #	Avg. ROP	Footage	Drilling Time	Rotating Time	Sliding Time	Circulating Time	Avg. Flow Rate
1	100.00	9,900.00	99.00	66.00	33.00	0.00	300.00
Total	100.00	9,900.00	99.00	66.00	33.00	0.00	300.00


Caliper
6.0 16.0
Gamma Ray
0 150
Depth
1:240 (m)
GR
0.0 150.0
CALI
6.0 16.0