Booth State C-36-69HN

MD
1" 100'

Company:	Noble Energy Inc
Location:	Weld County, Colorado
API#:	05-123-35794
Field:	Lost Creek
Rig #:	Ensign 151
County/Parish:	Weld
State/Province:	Colorado
Survey Company:	Ensign Energy Inc
Job number:	DT-121-202
Company Man 1:	Mike Magnone
Company Man 2:	
Geologist 1:	James Taylor
Geologist 2:	Brian Kaczynski
Directional Driller 1:	Brian Kaczynski
MWD 1:	Jeremy Boles
MWD 2:	Indy Schlosser

Log Interpretations	Depth	Date
First Hydrocarbon:	3	2014-08-22
Maximum Hydrocarbons:	End: 5	

Casing	Depth	Bit	Mud Type	Parameters	
Surface:	0	14	Water Gel	Max. Gas:	5
Intermediate:	n/a	n/a	Lightnin	Min. Flow:	n/a

Mud Weight		Funnel Viscosity	
Min.	Avg.	Min.	Avg.
8.4	8.4	27	27

Bit Run	Bit Size	Manufacturer	Bit Type	Jets	Depth In	Depth Out	Footage	Hours	Avg. ROP
1	14	Smith	MA-506	20/20/20/20/20	0	5	5	0.5	10
2	12.25	Ulterra	U613M		5	6710	6705	48.5	138.3
3									
4									
5									
6									
7									
8									

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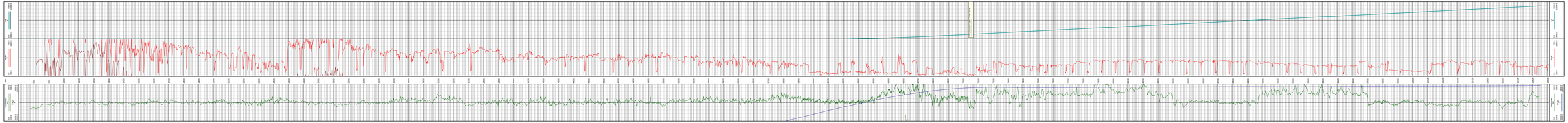
Depth
Gas
Flow
ROP
Pump
Total Gas
Chlorides
Temp
Pressure
Conductivity
Density
Viscosity
Pit Volume
Weight
Hook Load
Torque
Rotary Speed
Bit Depth
Block Position
Standpipe Pressure
Casing Pressure
Mud Temp
Mud Flow
Pump Stroke
Total Pump
Total Mud
Total Pit
Total Hook Load
Total Torque
Total Rotary Speed
Total Flow
Total Pump Stroke
Total Pressure
Total Casing Pressure
Total Mud Temp
Total Mud