Schlumberger

Schlumberger, Oklahoma - 2011 - Complex Trouble Solved with DELIVER

Challenge

Operator: Chesapeake Operating, Inc.
Well: Hall-Jennings 1-36 1H
Location: Hemphill County, Texas
Rig: Nabors 774
Spud Date: 10/20/2011
Total Depth: 15,000 ft
Bit Size: 8.5 in.
Mud Type: Oil Base
Maximum Deviation: 90.5 deg
Maximum Dogleg Severity: 10.5 deg/100 ft

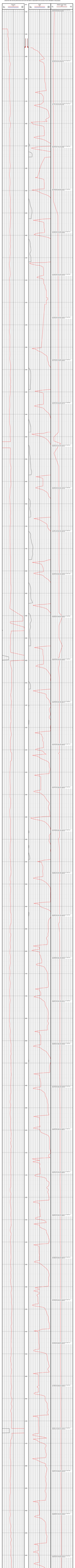
Solution

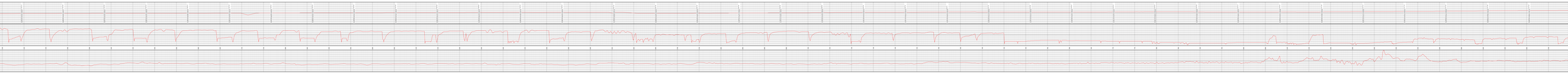
Run 1: 8.5-in. PDC bit, 6.5-in. motor, 6.5-in. MWD, 6.5-in. LWD, 6.5-in. DELIVER

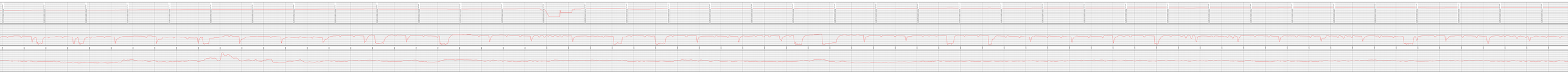
Results

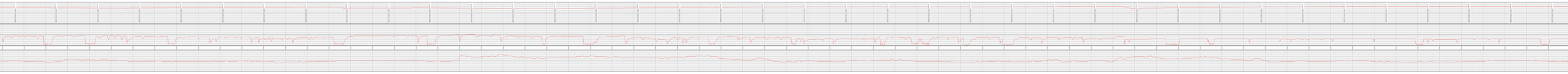
Section	Footage Drilled	Average ROP	Max ROP
Vertical	8,000 ft	100 ft/hr	200 ft/hr
Curve	1,000 ft	50 ft/hr	100 ft/hr
Lateral	6,000 ft	150 ft/hr	300 ft/hr

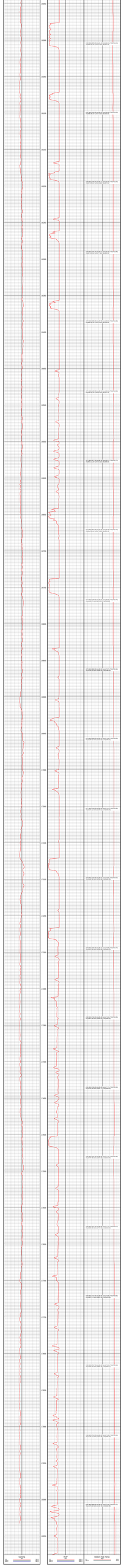
Run	Depth In	Depth Out	Footage	Hours	Average ROP	Max ROP	Comments
1	8,000 ft	15,000 ft	7,000 ft	47 hr	149 ft/hr	300 ft/hr	Drilled to TD










Gamma
ROP
Bottom Hole Temp
20500
20600
20700
20800
20900
21000
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