Precision

Horsetail 07E-1804

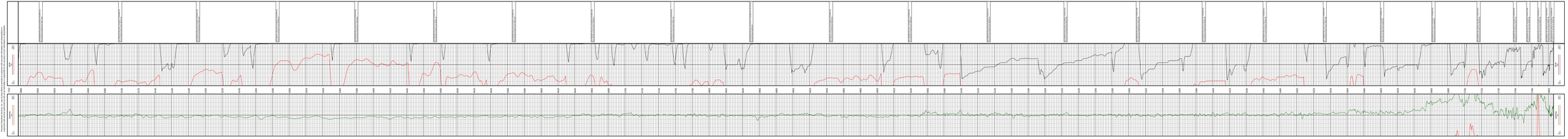
TVD
5":100'

Company: Whiting Oil & Gas Corp.
Well Name: Horsetail 07E-1804
Location: Section 7, T154N, R97W
County/Parish: Mount Country
State: Colorado
Date: 7/14/2014
Job Number: WC-140884
Field: Williston
Rig No: Ind. #39
Survey Company: Precision Directional Services, Inc.

Log Interpretation: GR, ROP	Depth	Date
Surface Location:	Start: 0	7/14/2014
Bottom Hole Assignment: TVD	End: 11,815.5	7/15/2014

Casing	Depth	Size	Mud Type: WBM	Directions
Surface	1,511	9 5/8	Density: 9.0	Azimuth: 0.0
			Viscosity: 28	Sp.Grav.: 1
			Dev: Bent	Dir: 21.5
			Resp:	

Bit #	Bit Size	Hours	Offset Depth	Footage	Depth In	Depth Out	Date In	Date Out
1	12 1/4	18.00	90.00	1,421.0	1,511.0	2,932.0	07/14/2014	07/14/2014
2	8 3/4	48.00	90.00	8,883.5	2,932.0	11,815.5	07/14/2014	07/15/2014
3	12 1/4	18.00	90.00	1,421.0	1,511.0	2,932.0	07/14/2014	07/14/2014
4								
5								
6								
7								
8								


Drilling Parameters
Gas Units
Lithology
Formation
Depth
Time
Rate of Penetration
Gas
Total Gas
Connection Gas
Trip Gas
Background Gas
Chlorides
Hydrocarbon Ratio
Lithology
Sandstone
Shale
Coal
Limestone
Dolomite
Anhydrite
Salt
Gypsum
Chert
Coquina
Chalk
Conglomerate
Pyrite
Plant Fragments
Tuff
Bentonite
Fossil
Volcanic Ash
Foraminifera
Oolites
Glauconite
Lithic Fragments
Intergranular Porosity
Intergranular Permeability
Fracture Porosity
Fracture Permeability
Vuggy Porosity
Vuggy Permeability
Shows
Oil Stain
Tight
Fluorescence
Cut
Cut Fluor
Total Cut
Residual Cut
Visual Porosity
Visual Permeability
Sample Quality
Comments
Drilling Fluid Type
Drilling Fluid Weight
Drilling Fluid Viscosity
Drilling Fluid Chlorides
Drilling Fluid Calcium
Drilling Fluid Sand
Drilling Fluid Solids
Drilling Fluid Low Gravity Solids
Drilling Fluid Water
Drilling Fluid Oil
Drilling Fluid Methylene Blue
Drilling Fluid pH
Drilling Fluid Pf
Drilling Fluid Mf
Drilling Fluid Pm
Drilling Fluid Pm/Pf
Drilling Fluid Mf/Pf
Drilling Fluid Excess Lime
Drilling Fluid Hardness
Drilling Fluid Ratio Oil/Water
Drilling Fluid Electrical Stability