

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY PIONEER EXPLORATION, LLC. ELEVATIONS
 LEASE Green #3 KB 1617'
 FIELD Spivey-Grabs Basil DF _____
 LOCATION 1250' FNL & 1668' FEL
 SEC 32 TWPSP 31S RGE 9W GL 1607'
 COUNTY Harper STATE Kansas Measurements Are All From Kelly Bushing
 CONTRACTOR Val Energy, Inc. Rig # 3
 SPUD 9-20-10 COMP 10-2-10
 RTD 4600' LTD 4598' CASING CONDUCTOR N/A
 MUD UP 3200' TYPE MUD Chemical SURFACE 8-5/8" @ 264'
 PRODUCTION 41/2" @ 4600'
 SAMPLES SAVED FROM 3500' TO RTD
 DRILLING TIME KEPT FROM 3300' TO RTD
 SAMPLES EXAMINED FROM 3500' TO RTD
 GEOLOGICAL SUPERVISION FROM 3500' TO RTD
 GEOLOGIST ON WELL Sean Deenihan
 Log Tech

REMARKS 4 1/2" Production Casing was run to 4600' to further evaluate this well.

Respectfully Submitted,
 Sean Deenihan

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