

**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY **SHAKESPEARE OIL CO.** ELEVATIONS  
 LEASE **Zart Thus #3-23** DF **2874'**  
 FIELD **Wildcat** LOCATION **3351 FMS, 1500' FWL** SEC **23** T13S R0E **31W** GL **2864'**  
 COUNTY **Grave** STATE **Kansas** Measurements Are All From **KB**  
 CONTRACTOR **HD Drilling Rig #2** SPUD **7-17-12** COMP **LTD** CASING **N/A**  
 MUD UP **3600'** TYPE MUD **Chemical** CONDUCTOR **N/A**  
 SAMPLES SAVED FROM **3600'** to RTD SURFACE **8-5/8" @**  
 DRILLING TIME KEPT FROM **3600'** to RTD PRODUCTION  
 SAMPLES EXAMINED FROM **3700'** to RTD ELECTRICAL SURVEYS  
 GEOLOGICAL SUPERVISION FROM **3800'** to RTD CND/D/SP/P/E  
 GEOLOGIST ON WELL **Tim Priest** By: **Weatherford**

FORMATION TOPS ELECTRIC LOG SAMPLE  
 Anyvitic  
 Heebner Shale  
 Lanning  
 Stark  
 BRC  
 Fort Scott  
 Cherokee Shale  
 Mississippian

REMARKS  
 Respectfully Submitted,  
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 Petroleum Geologist  
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