

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

COMPANY **SHAKESPEAR OIL CO.** ELEVATIONS  
 LEASE **Zart Truss #4-23** KG 2880'  
 FIELD **Wildcat** DF \_\_\_\_\_  
 LOCATION **950 TMS, 1580' FWL** GL 2870'  
 SEC **23** TWP **13S** RGE **31W**  
 COUNTY **Grave** STATE **Kansas** Measurements Are All From **KB**  
 CONTRACTOR **HD Drilling Rig #2**  
 SPUD **7-10-13** COMP **7-22-13**  
 RTD **4:30P** LTD **4:627'** CASING  
 MUD UP **3:00P** TYPE MUD **Chemical** CONDUCTOR **N/A**  
 SAMPLES SAVED FROM **3:50P** to RTD SURFACE **8-5/8" @225'**  
 DRILLING TIME KEPT FROM **3:50P** to RTD PRODUCTION **5-1/2" @4630'**  
 SAMPLES EXAMINED FROM **3:50P** to RTD  
 GEOLOGICAL SUPERVISION FROM **3:50P** to RTD  
 GEOLOGIST ON WELL **Tim Priest** By: **Weatherford**

FORMATION TOPS ELECTRIC LOG SAMPLE

Anydrite	2392 (+531)	2332 (+528)	
Heebner Shale	3894 (+1014)	3896 (+1016)	O
Austin	3940 (+1060)		
SARC	4174 (+1294)	4176 (+1296)	
BRC	4249 (+1369)	4252 (+1372)	23
Fort Scott	4430 (+1550)	4433 (+1553)	
Cherokee Shale	4458 (+1578)	4458 (+1578)	
Mississippian	4544 (+1664)	4548 (+1668)	

REMARKS Due to the positive results of DSTs, it was decided to set production casing to further test the well.

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

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