

# Robert L. Milford

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## GEOLOGISTS' REPORT

DRILLING TIME AND SAMPLE LOGS

OPERATOR: **Murfin Drilling Company, Inc.**  
LEASE: **Elnus #1-24**

LOC SPOT: **110 W of NW NE NE**

LOC FOOTAGE: **330' FNL 1,100' FEL**

SEC: **24** TWPSP: **2S** RANG: **30W**

COUNTY: **Decatur** STATE: **Kansas**

API: **15-039-21227-00-00**

CONTRACTOR: **Murfin Drilling Co., Inc.** RENO: **3**

DRILLING STARTED: **1-11-2017** COMPLETED: **1-18-2017**

MUD DISPLACED: **2,900** CHEMICAL: **Drilling Time kept from 3:30'**

DRILLING TIME KEPT FROM: **3:30'** TO: **RTD**

SAMPLES SAVED FROM: **3:30'** TO: **RTD**

SAMPLES EXAMINED FROM: **3:30'** TO: **RTD**

GEOLOGICAL SUPERVISION FROM: **3:30'** TO: **RTD**

DIAGNOSTIC LOG: **Dial Induction Log**

DIAGNOSTIC LOG: **Dial Compensated**

DIAGNOSTIC LOG: **Porosity Log**

DIAGNOSTIC LOG: **Microresistivity Log**

DIAGNOSTIC LOG: **Microresistivity Log**

DIAGNOSTIC LOG: **Sonic Log**

FORMATION NAME	LOG TOP	LOG DATUM	SAMPLE DATE	SAMPLE DATUM
Stone Corral	2,564'	+250	2,565'	+249
Base Stone Corral	2,595'	+219	2,597'	+217
Neva	3,223'	-409	3,226'	-412
Stotler	3,494'	-680	3,497'	-683
Topoka	3,609'	-795	3,612'	-798
Heebner	3,768'	-954	3,771'	-957
Lansing	3,812'	-998	3,815'	-1001
Stark	3,982'	-1168	3,985'	-1171
Mound City	4,022'	-1208	4,025'	-1211
Total Depth	4,116'	-1302	4,125'	-1311

