



GEOLOGISTS' REPORT

OPERATOR: MURFIN DRILLING COMPANY, INC.

LEASE: JOHNSEN 'D' # 1-25

LOCATION: 2276 FNL & 660 FWL

SEC. 25 TWP. 1S RGE. 37W

COUNTY: CHEYENNE STATE: KANSAS

FIELD: WILDCAT

CONTRACTOR: Murfin Drilling Company

COMPLETION DATE: 8 June 2012

MUD LOG DATED: 3/5/10

MUD TYPE: Chemical

DRILLING TIME: 8:58 @ 305'

SAMPLES SAVED FROM: 3800 TO 5070

SAMPLES EXAMINED FROM: 3800 TO 5070

GEOLOGICAL SUPERVISION FROM: 3500 TO 5070

GEOLOGIST ON WELL: Paul Guzmanian

LOG-TECH, INC.

Comp. Neutron Density

Dual Induction

Micro-resistivity

Comp. Sonic

FORMATION

LOG

SAMPLE

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

FORMATION	TOP	DATE/TIME	DATE/TIME
Stone Corral	3232	+75	3234
Base/Anhydrite	3276	+41	3286
Foraker	3833	-516	3825
Topoka	4033	-736	4048
Oread	4184	-867	4180
Lansing	4271	-954	4267
Base/Kansas City	4546	-1229	4540
Cherokee	4746	-1429	4741
Mississippian	4974	-1657	4969
Total Depth	5070	-1753	5070

FORMATION	TOP	DATE/TIME	DATE/TIME
Stone Corral	3232	+83	
Base/Anhydrite	3266	+51	

FORMATION	TOP	DATE/TIME	DATE/TIME
NEVA	3710	-393	

FORMATION	TOP	DATE/TIME	DATE/TIME
RED EAGLE	3776	-459	

FORMATION	TOP	DATE/TIME	DATE/TIME
FORAKER	3827	-510	

FORMATION	TOP	DATE/TIME	DATE/TIME
STOTLER	3978	-661	

FORMATION	TOP	DATE/TIME	DATE/TIME
TOPEKA	4048	-731	

FORMATION	TOP	DATE/TIME	DATE/TIME
OREAD	4180	-863	

FORMATION	TOP	DATE/TIME	DATE/TIME
LANSING	4267	-950	

FORMATION	TOP	DATE/TIME	DATE/TIME
BASE/KANSAS CITY	4540	-1223	

FORMATION	TOP	DATE/TIME	DATE/TIME
PAWNEE	4660	-1343	

FORMATION	TOP	DATE/TIME	DATE/TIME
CHEROKEE	4741	-1424	

FORMATION	TOP	DATE/TIME	DATE/TIME
MISSISSIPPIAN	4969	-1652	

FORMATION	TOP	DATE/TIME	DATE/TIME
TOTAL DEPTH	5070	-1753	

DRILL TIME (MIN/FT)	DEPTH	LITHOLOGY	REMARKS
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