



GEOLOGISTS REPORT

OPERATOR: **MURFIN DRILLING COMPANY, INC.**
LEASE: **STADELMAN UNIT # 1-3**

ELEVATIONS
KB **2220 Ft.**

LOCATION: **1100 FSL & 370 FWL**
SEC: **3** TWSWP: **14S** RGE: **19W**

COUNTY: **ELLIS** STATE: **KANSAS**

FIELD: **STADELMAN**

CONTRACTOR: **Murfin Drilling Company** RIG NO: **8**

COMMENCED: **22 Oct 2011** COMPLETED: **29 Oct 2011**

MUD DISPLAYED: **3039** MUD TYPE: **Chemical**

DRILLING TIME KEPT FROM: **3140** TO: **3965**

SAMPLES SAVED FROM: **3140** TO: **3965**

SAMPLES EXAMINED FROM: **3140** TO: **3965**

GEOLOGICAL SUPERVISION FROM: **3039** TO: **3965**
GEOLOGIST ON WELL: **Paul Gurszeiman**

FORNATION NAME: **LOG** TOP DATUM: **TOP** SAMPLE DATE: **DATE**

Stone Corral: **1513** +707 **1517** +703
Base/Anhydrite: **1556** +664 **1558** +662

Topeka: **3234** -1014 **3232** -1012
Heebner Shale: **3479** -1259 **3477** -1257
Toronto: **3501** -1281 **3500** -1280
Lansing: **3524** -1304 **3523** -1303
Base/Kansas City: **3773** -1553 **3769** -1549

Arbuckle: **3895** -1675 **3892** -1672
Total Depth: **3968** -1748 **3965** -1745

Micro-resistivity
Dual Induction
Comp. Neutron Density

ELECTRICAL SURVEYS:
Log-Tech, Inc.
Comp. Neutron Density



API: **15-051-26209-00-00**
Drilling Fluids: **Morgan Mud, Inc. (David Lines, engineer)**
Drill Stem Testing: **Trilobite Testing, Inc. (Andy Carreira, tester)**
Gas Trailer: **No Gas Trailer**
Reserve Pit Chlorides: **9,200 PPM**

DRILL TIME (MIN/FT)	DEPTH	LITHOLOGY	SHOVS	SAMPLE DESCRIPTIONS	REMARKS
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