



GEOLOGIST'S REPORT

OPERATOR **MURFIN DRILLING COMPANY, INC.**

LEASE **STAHL 'A' #1-30**

LOCATION **1260 FNL & 2970 FEL**

SEC. **30** TWSP **9S** RGE **19W**

COUNTY **ROOKS** STATE **KANSAS**

FIELD **WILDCAT**

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

COMMENCED **18 July 2019** COMPLETED **27 July 2019**

MUD DISPLACED **2705** MUD TYPE **Chemical**

DRILLING TIME KEPT FROM **2900** TO **3780**

SAMPLES SAVED FROM **2900** TO **3780**

SAMPLES EXAMINED FROM **2900** TO **3780**

GEOLOGICAL SUPERVISION FROM **2923** TO **3780**

GEOLOGIST ON WELL **Paul Gunzelman**

ELEVATIONS

KB **2163 Ft.**

GL **2158 Ft.**

ALL MEASUREMENTS
FROM K.B.

CASING RECORD

Conductor **None**

Surface **8 5/8" @ 304'**

Production **None**

ELECTRICAL SURVEYS

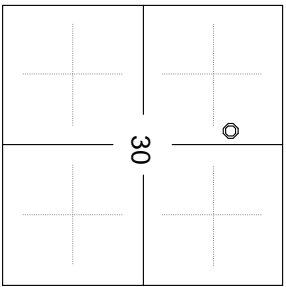
Pioneer Oilfield Services

Comp. Neutron Density

Dual Induction

Micro Resistivity

Comp. Sonic



FORMATION

NAME TOP LOG DATUM TOP SAMPLE DATUM

Stone Corral 1582 +581 1582 +581

Base/Anhydrite 1620 +543 1619 +544

Topoka 3132 -968 3130 -967

Heebner Shale 3336 -1173 3333 -1170

Toronto 3356 -1193 3355 -1192

Lansing 3376 -1213 3374 -1211

Stark Shale 3563 -1400 3560 -1397

Base/Kansas City 3596 -1433 3595 -1432

Atbuckle 3672 -1509 3668 -1505

Total Depth 3784 -1621 3780 -1617

REMARKS

API 15-163-24395-00-00

Drilling Fluids: Mud Co/Service Mud, Inc. (Gary Schmidtberger, engineer)

Drill Stem Testing: Trilobite Testing, Inc. (Spencer Staab, tester)

Gas Trailer: No Gas Trailer

Reserve Pit Chlorides: 41,000 PPM

REMARKS

SAMPLE DESCRIPTIONS

SHOWS

LITHOLOGY

DEPTH

DRILL TIME (MIN/FT)

STONE CORRAL
1582 (+581)

BASE/ANHYDRITE
1619 (+544)

1550

1600

1650

