

Marc A. Downing
Consulting Petroleum Geologist

Geologic Report
Drilling Time and Sample Log

Operator **Downing-Nelson Oil Co., Inc.**
Lease **Black & Gold** No. **2-17**
API # **15-051-26922-0000**
Field **Experiment**
Location **1650' FNL & 625' FWL**
Sec. **17** **Twp.** **14s** **Rge.** **18w**
County **Ellis** **State** **Kansas**

Elevation
KB **2055**
DF **2053**
GL **2047**
Casing Record
Surface **8 5/8" @ 726'**
Production
None
Electrical Surveys
CNDL, DIL
MEL

Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	1298	1299	+756	-18
Base Anhydrite	1342	1340	+715	-14
Topeka	3064	3070	-1015	-12
Heebner	3316	3320	-1265	-12
Toronto	3336	3340	-1285	-5
LKC	3366	3370	-1315	-9
BKC	3589	3595	-1540	-7
Conglomerate Sand	3671	3676	-1621	Absent
Arbuckle	3696	3700	-1645	-47
Total Depth	3775	3775	-1720	

Drilling Contractor	Discovery Drilling, Rig #1
Commenced	8-1-18 Completed 8-8-18
Samples Saved From	3050 To RTD
Drilling Time Kept From	2950 To RTD
Samples Examined From	3050 To RTD
Geological Supervision From	3050 To RTD

Reference Well For Structural Comparison **DNOCI**
Black & Gold #1-17 **1805' FNL & 1680' FWL** **Sec. 17-14s-18w**

Summary and Recommendations
Due to structural position, DST recovery, and log evaluation, it was decided to plug and abandon the well.

Respectfully Submitted,
 Marc A. Downing

ROCK TYPES
 shale, gry
 Carbon Sh

ACCESSORIES
 Dopprim
 Lmsr W7>

OTHER SYMBOLS
 DST Int
 DST alt
 Core
 Tail pipe

MISC
 Dgi Daily Report
 Digital Photo
 Document
 Folder
 Link
 Vertical Log File
 Horizontal Log File
 Core Log File
 Drill Cuttings Rpt

OIL SHOWS
 Even Shn 50-75 %
 Spotted Shn 25-50 %
 Questionable Shn
 Dead Oil Shn
 Fluorescence

STRINGER
 Red shale

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