

Marc A. Downing

Consulting Petroleum Geologist

Geologic Report

Drilling Time and Sample Log

Operator Hertel Oil Company LLC

Lease Doerr

API # 15-051-26672-0000

Field Zimm

Location 1240' FSL & 1885' FWL

Sec. 34

Twp. 15s

Rge. 19w

County Ellis

State Kansas

Formation

Sample tops

Log Tops

Datum

Struct Comp

Top Anhydrite

1243

+807

+7

Base Anhydrite

1288

+762

+4

Topeka

3017

-967

+1

Heebner

3286

-1236

+2

Toronto

3308

-1258

FL

LKC

3332

-1282

FL

BKC

3577

-1527

+3

Marmaton

3610

-1560

+6

Arbuckle

3637

-1587

Absent

Reagan Sand

3643

-1593

+5

Total Depth

3645

-1595

Reference Well For Structural Comparison

Jet Drilling Co.

Doerr #1

SE-NE-SW

Sec. 34-15s-19w

Drilling Contractor

Commenced 3-6-14

Samples Saved From 3200

Drilling Time Kept From 2900

Samples Examined From 3200

Geological Supervision From 2900

Discovery Drilling, Rig #3

Completed 3-13-14

To RTD

To RTD

To RTD

To RTD

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

