

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-884-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE # 1-15 MAULER

FIELD _____

LOCATION 1876' FSL & 1531' FEL

SEC 15 TWPSP 18s RGE 14w

COUNTY BARTON STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPUD 3-7-16 COMP 3-14-16

RTO 3418 LTD _____

MUD UP 2612 TYPE MUD CHEMICAL

ELEVATIONS

KB 1921

DF _____

CI 1916

Measurements Are All
From 1921 KB

CASING
SURFACE 8.5" @ 870'

PRODUCTION _____

ELECTRICAL SURVEYS

None

SAMPLES SAVED FROM 2800 TO 3418

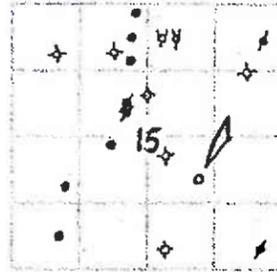
DRILLING TIME KEPT FROM 2700 TO 3418

SAMPLES EXAMINED FROM 2800 TO 3418

GEOLOGICAL SUPERVISION FROM 3200 TO 3418

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		867+1054
B/ANH.		879+1042
TOPEKA		2866-945
HEEBNER		3100-1179
BROWN LIME		3176-1255
LANSING		3184-1263
B/KC		3390-1469
ARBUCKLE		3441-1520
RTD		3448-1527



APL: 15-009 - 26/36

REMARKS
3-7-16 SPUD
3-8 @ 150'
3-9 @ 870'
3-10 @ 2155'
3-11 @ 3110'
3-12 @ 3260'
3-13 @ 3385'
3-14 @ 3418'

LEGEND

- Dolomite
- Chert
- Oil shale
- Limestone
- Carb. ss.
- Shale
- Sandstone
- Silt
- Anhydrite



DEPTH
850

900

950

SAMPLE DESCRIPTIONS

REMARKS

LITHOLOGY

2700

2800

2900

Samples are tagged

Sh. 119. Silty

ls. wt. 50. Foss. 50A

ls. 419. 15% Foss.

Sh. 119.

TOPEKA 2866-915

ls. 419. 15% Foss.

ls. 419. 15% Foss. 15% Chalk

ls. wt. Foss. 50. Chalk

ls. wt. 50. Foss. Chalk

ls. wt. Foss. 50. Chalk

Sh. 119. 10%

ls. 419. 15% Foss.

Sh. 119. 10%

ls. 419. 15% Foss.



3000

3100

3200

3300

LS. Sh. Sil. A

LS. wt. Sil. Foss.

Sh. Blk. DES.

LS. R. DEB. V. Sil. Foss.

LS. wt. YSI. Foss. Chly.

LS. Blk. Chly.

LS. wt. YSI. Foss. Foss. Sil.

LS. wt. Foss. Sil. Chly.

LS. wt. Foss. Sil. Chly.

HEBNER 3100-1179

Sh. Gp. Sil.

LS. wt. YSI. Foss. Sil. A

Sh. Rd.

Sh. Lly. Silfy.

Sh. Blk. Silfy.

BROWN LIME 3176-1855

LS. Blk. Sil. A

Sh. Rd.

LANSING 3181-1263

LS. wt. Sil. Foss. Sil. A

Sh. Blk. Sil. A

LS. Blk. Sil. A

LS. wt. Sil. Foss. Sil. Chly.

Sh. Blk. Chly.

LS. wt. YSI. Foss. Sil. Chly. F. Rd. E. Rd.

LS. Blk. Sil. A

LS. Blk. Sil. A

Sh. Blk. Chly.

LS. Tr. Lly. 000. gd. rd. N3

LS. Blk. Sil. A

LS. Tr. Lly. 000. gd. rd. N3

LS. Blk. Chly.

LS. Gp. D. V. Sil. Chly.

Sh. Gp. D.

LS. Tr. Lly. 000. gd. rd. N3

TORONTO

WT 9.2

WT 9.2

WT 9.2

WT 9.2

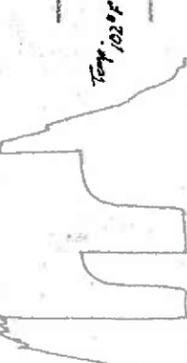
DOUGLAS

DS

DS

FP: 12-19 20-25"

SIP: 90:90"



Tool sample: 100:100"

DST. (1) 3198-3260

1st Dept: Blow count to 2"

2nd Dept: " " 1 1/2"

30-45-45-60

Rec. 30' Mud

DST. (2) 3312-3385

1st Dept: Blow count to 1/2"

2nd Dept: No Blow

30-30-30-30

Rec. 10' G.L.R.

2' GM

FP: 11-12 20-15"

SIP: 20-15"

