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GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR: Berexco LLC

LEASE: Miner 1-34

FIELD: _____

LOCATION: 1902' FSL + 2010' FEL

SEC: 34 TWP: 29S RGE: 24W

COUNTY: Ford STATE: KS

CONTRACTOR: Pickrell Rig 2

CONV: 3/14/13 COMP: 3/14/13

ITD: 5500' LOG TO: 5498'

SAMPLER SAVED FROM: 4300' TO: RTD

DRILLING TIME KEPT FROM: 4300' TO: RTD

SAMPLES EXAMINED FROM: 4300' TO: RTD

GEOLOGICAL SUPERVISION FROM: 4200' TO: RTD

MUD WT: 3600' TYPE MUD: Chemical

API # 15-057-20885

ELEVATION

KB: 2596'

DF: _____

GL: 2586'

Measurements Are All

From: KB

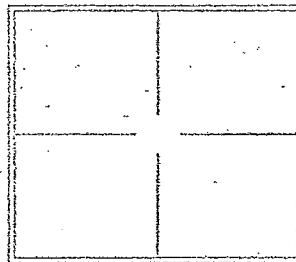
CASING RECORD

SURFACE: 5 7/8" @

PRODUCTION: N/A

WELL LOG SURVEYS

CNO, DFL, Micro



FORMATION	LOG	SAMPLE		STRUCT. COMP.
		NATURAL TOP	BATHY	
Heebner	4425	(-1829)	4425(-1820)	
BKCL	5064	(-2468)	5066(-2450)	
Dawnee	5161	(-2526)	5167(-2521)	
Ft. Scott	5194	(-2598)	5198(-2508)	
Cherokee Sh.	5211	(-2615)	5216(-2620)	
Morrow Sand	5360	(-2764)	5365(-2764)	
Mississippian	5396	(-2800)	5399(-2803)	
RTD	4498	(-2801)	5500(-2803)	

REFERENCE WELL FOR STRUCTURAL COMPARISON

LEGEND

- Dolomite
- Chert
- Caliche
- Limestone
- Carb. sh.
- Shale
- Sandstone
- Silt
- Anhydrite

SCALE: 1" = 100'

Reference, drill stem tests, etc.

Sample Description

DEPTH

Drilling time in minutes

REMARKS

4300

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

ls, sh

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

50

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

4400

sh, no. 1, no. 2, no. 3, no. 4, no. 5

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

Heber - 18 - 1928

(1832)

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

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ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

ls, sh

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

4500

sh, no. 1, no. 2, no. 3, no. 4, no. 5

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

sh, no. 1, no. 2, no. 3, no. 4, no. 5

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

50

sh, no. 1, no. 2, no. 3, no. 4, no. 5

ls, com = ls, fa = v, sh = hy, dense /
bottle, no. 1, no. 2, no. 3, no. 4, no. 5

lsy-gm-vh-f-x-l-y-dental
nls

LS, A

Shy-909

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

Shy-909

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

LS, A

Shy-909

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

lsy-gm-vh-f-x-l-y-dental
nls

Shy-909

lsy-gm-vh-f-x-l-y-dental
nls

LS, A

Shy-909

lsy-gm-vh-f-x-l-y-dental
nls

4600

8

4700

8

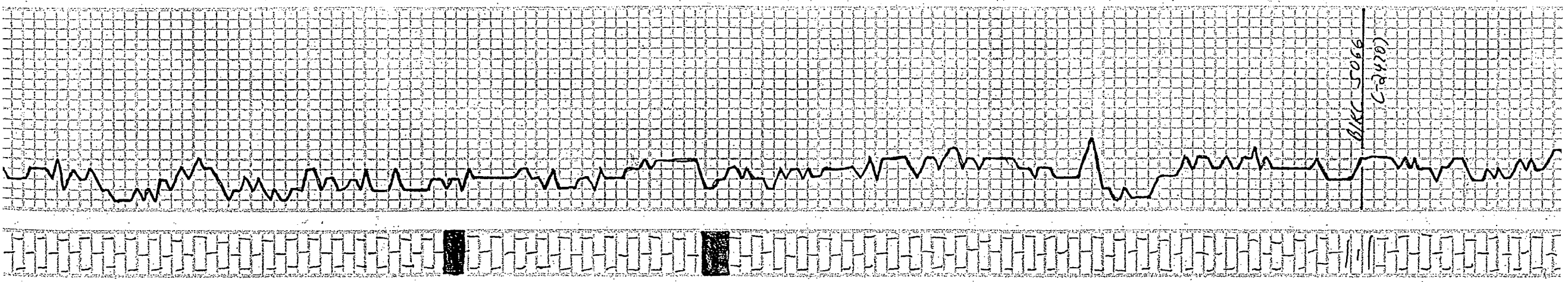
4800

Mud ✓ @ 4697
47-14
47-15
47-16
47-17
47-18
47-19
47-20
47-21
47-22
47-23
47-24
47-25
47-26
47-27
47-28
47-29
47-30
47-31
47-32
47-33
47-34
47-35
47-36
47-37
47-38
47-39
47-40

4700

8

4800



BLK 5066
(2470)

ls. fa - v. g. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

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ls. v. cc. m. - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. cc. m. - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

4900

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

50

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa

5000

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

50

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa

ls. v. fa - v. h. fa - v. fa - x. h. dental
br. v. s. br. s. li. ch. fa - v. no
od. v. n. s.

ls. v. fa

5000

2150

5100

50

5200

5000

5300

50

Mud ✓ @ 5103'
wt - 84
115-48
WL-144
CL-12500
LCM-24

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, var, color

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

LS, Ak

Sh, blk Carb

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, blk Carb

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, gy - blk

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, blk Carb

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, gy - blk

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, blk Carb

Sh, blk Carb

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, Ak

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, blk Carb

Sh, blk Carb

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, gy - blk

ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Sh, gy - blk

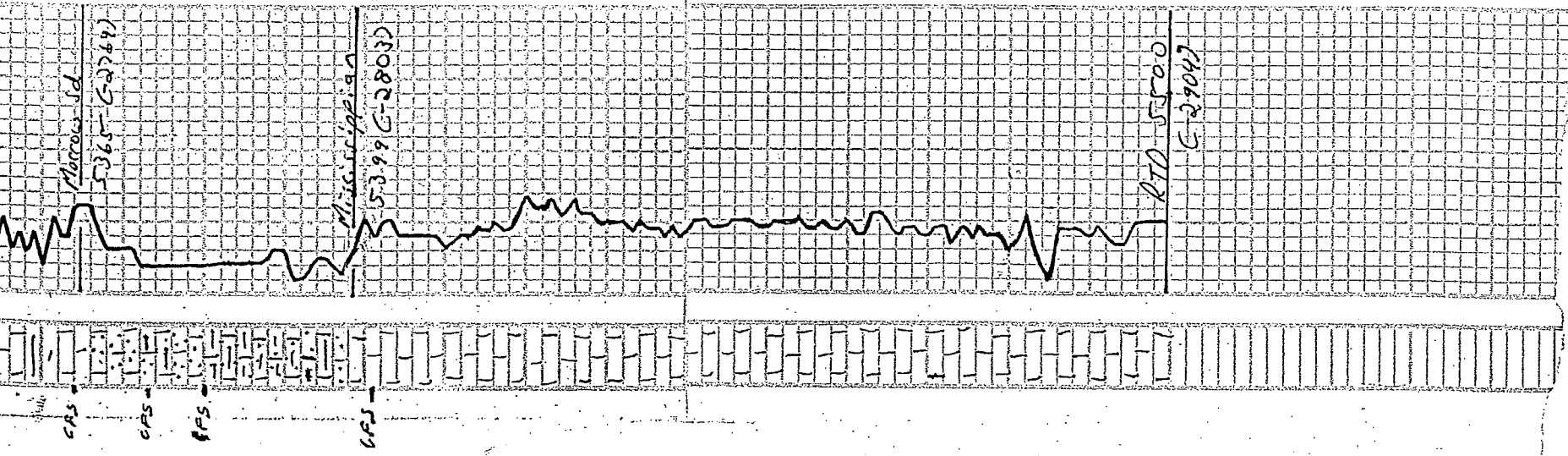
ls, fm - brn, fa - x, l, dense /
hard, p - no. v. s. ♂, no. o. d. = n. l.

Lawrence 5167
C-26021

Lawrence 5198
C-26022

Lawrence 5216
C-26023

Lawrence 5265
C-26024



Sh. gray - blk

65.5 gm - 600 - fa - m. dense /
 60.5 Hle - 100 - fa - m. dense /
 55.5 gm - 600 - fa - m. dense /
 50.5 gm - 600 - fa - m. dense /
 45.5 gm - 600 - fa - m. dense /
 40.5 gm - 600 - fa - m. dense /
 35.5 gm - 600 - fa - m. dense /
 30.5 gm - 600 - fa - m. dense /
 25.5 gm - 600 - fa - m. dense /
 20.5 gm - 600 - fa - m. dense /
 15.5 gm - 600 - fa - m. dense /
 10.5 gm - 600 - fa - m. dense /
 5.5 gm - 600 - fa - m. dense /

65.5 gm - 600 - fa - m. dense /
 60.5 Hle - 100 - fa - m. dense /
 55.5 gm - 600 - fa - m. dense /
 50.5 gm - 600 - fa - m. dense /
 45.5 gm - 600 - fa - m. dense /
 40.5 gm - 600 - fa - m. dense /
 35.5 gm - 600 - fa - m. dense /
 30.5 gm - 600 - fa - m. dense /
 25.5 gm - 600 - fa - m. dense /
 20.5 gm - 600 - fa - m. dense /
 15.5 gm - 600 - fa - m. dense /
 10.5 gm - 600 - fa - m. dense /
 5.5 gm - 600 - fa - m. dense /

65.5 gm

65.5 gm - 600 - fa - m. dense /
 60.5 Hle - 100 - fa - m. dense /
 55.5 gm - 600 - fa - m. dense /
 50.5 gm - 600 - fa - m. dense /
 45.5 gm - 600 - fa - m. dense /
 40.5 gm - 600 - fa - m. dense /
 35.5 gm - 600 - fa - m. dense /
 30.5 gm - 600 - fa - m. dense /
 25.5 gm - 600 - fa - m. dense /
 20.5 gm - 600 - fa - m. dense /
 15.5 gm - 600 - fa - m. dense /
 10.5 gm - 600 - fa - m. dense /
 5.5 gm - 600 - fa - m. dense /

5400

Mississippian
 5399 (2803)

50

5700

RTO 5500
 C-2904

0 unit gas kick @ 5368'
 24 unit gas kick @ 5373'
 20 unit gas kick @ 5380'
 63 unit gas kick @ 5401'

AST # 7 5320' - 5401'

30-40-40-120
 IP-5 1/2" N. Return

FF-6" N. Return

Acc 125' 75'

67' 60m (6070m, 4090m)

118' max (6070m, 4090m)

HP-2226 # - 2673 #

IFP-332 # 100 # FFP-107 # - 152 #

7 SEP-144 # F579-1402 #