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GEOLOGIST'S REPORT  
DRILLING TIME AND SAMPLE LOG

OPERATOR Deerco LLC  
WELL NAME Tami #1-23  
FIELD \_\_\_\_\_  
LOCATION 2710' ESL ± 1970' FEL  
SEC. 23 TWP. 27s RGE. 24w  
COUNTY Ford STATE KS

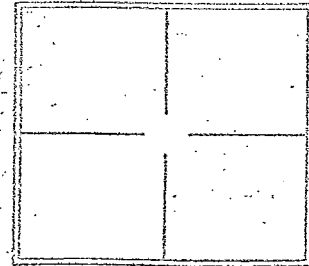
DRILLING CONTRACTOR Pickwell Drilling Co Rig #2  
LOG NO. 3118113 COMP. 3129113  
LOG DEPTH 5200' LOG TO 5198'  
PLS. REMOVED FROM 2400-2900/4100 TO RTD  
LOG TIME KEPT FROM 2400-2900/4100 TO RTD  
PLS. EXEMPTED FROM 2400-2900/4100 TO RTD  
LOGICAL SUPERVISION FROM 3500 TO RTD  
TYPE MUD 3793 TYPE MUD Chemical  
P. 15057-20880

FORMATION	LOG		SAMPLE		STRUCT. CORREL.
	TOP	DATUM	TOP	DATUM	
der.	2642	(-132)	2634	(-124)	
field	2674	(-164)	2664	(-154)	
sands	2618	(-198)	2608	(-188)	
shales	2769	(-259)	2760	(-250)	
ebner	4190	(-1680)	4192	(-1682)	
lime	4299	(-1789)	4300	(-1790)	
ssing	4309	(-1797)	4310	(-1798)	
RL	4757	(-2247)	4752	(-2242)	
rook	4851	(-2341)	4860	(-2350)	
rook Sh.	4900	(-2390)	4900	(-2390)	
rook Sh.	4934	(-2426)	4936	(-2426)	
rook Lime	4988	(-2478)	4994	(-2484)	
rook Ss.	5025	(-2515)	5025	(-2515)	

ELEVATION  
KB 2510'  
DF \_\_\_\_\_  
GL 2500  
Measurements Are All  
From KB

CASING RECORD  
SURFACE 8 5/8" @  
591'  
PRODUCTION 5 1/2"

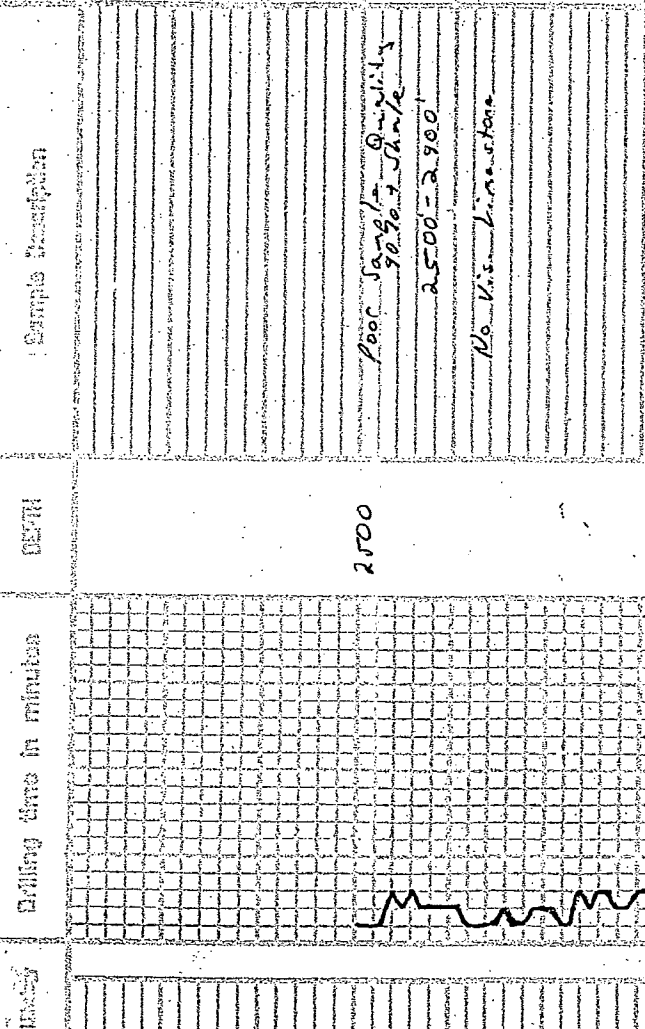
WELL LOG SURVEYS  
CND, DIL, Micro,  
Sonic



LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb. Oil-Lime Clay
- Dolomite

SCALE " = 100'



Poor Sample Quality  
2500-2900'  
No Vis. Limestone

REFERENCE WELL FOR STRUCTURAL COMPARISON \_\_\_\_\_

50

2600

Kicker 0634  
C-124)

50

Winfield 2664  
C-154)

15 unit gas kick

10 unit gas kick

2700

Town 2708  
C-188)

50

Ft. Riley 2781  
C-250)

Shy red - gray  
L.S. AD  
Shy red - gray

L.S. AD

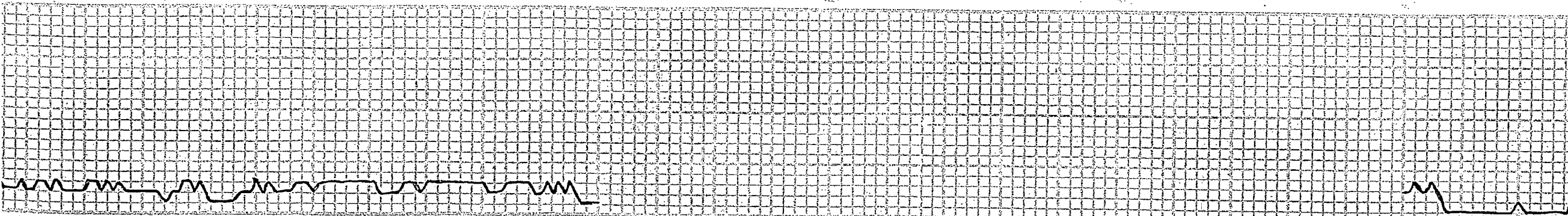
Shy red - gray

poly. com - gray, tan, mid gray, dense  
brightly, in. p. v. s. B. 542, 10  
ods. n/c

Shy red

poly. com - tan, gray, dense  
v. s. B. 542, 10  
ods. n/c

2800



300

2900

3700

50

4000

Mud @ 4005'  
 wt - 8.7  
 V<sub>1</sub> - 46  
 wt - 8.0  
 chl - 5.200  
 LCM - 71

LS - 5.571 - p. 21.5 - 01.001 - ip - 20 - 0.10  
 6.9.571, p. 21.5 - 01.001 - ip - 20 - 0.10  
 2/15

LS - 5.571 - p. 21.5 - 01.001 - ip - 20 - 0.10  
 6.9.571, p. 21.5 - 01.001 - ip - 20 - 0.10  
 2/15

50

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = wh - fm - x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = wh - fm - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = fm - x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

Sh. 011 - Carb

Sh. 33 - 01K

ls, cm = dx - gy - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

Sh. 33 - red

Sh. 33 - 01K

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

ls, cm = fm - fa - v - fa x 1/2, dense  
p. v. s. 0, 000 - 001 - p. no. odd, n. s.

Sh. 33 - 01K

4100

50

4200

50

Heard Sh. 4192  
C-1692)

Town to 4208  
C-1698)

4300

Brain LA 4300

C-1797

Lancing 4109

C-1799

50

4400

50

4500

50

Shy, n. a. s. - 00/100

ls. com = br. fa. x h. dense / hard  
p. vis. of s. ch. f. s. n. o. od. n. s.

ls. n. a.

ls. com = dk. gy. fa. x h. dense  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = tr. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = wh. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = br. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = tr. fa. x h. dense / hard  
p. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = gy. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = tr. fa. x h. dense / hard  
p. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = gy. fa. = v. fa. x h. dense /  
hard, p. vis. of s. ch. f. s. n. o. od. n. s.

ls. n. a.

ls. com = tr. fa. = v. fa. x h. dense /  
hard, p. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = br. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = tr. fa. = v. fa. x h. dense /  
hard, p. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = br. fa. = v. fa. x h. dense /  
hard, p. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = tr. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = gy. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

ls. n. a.

Shy, n. a.

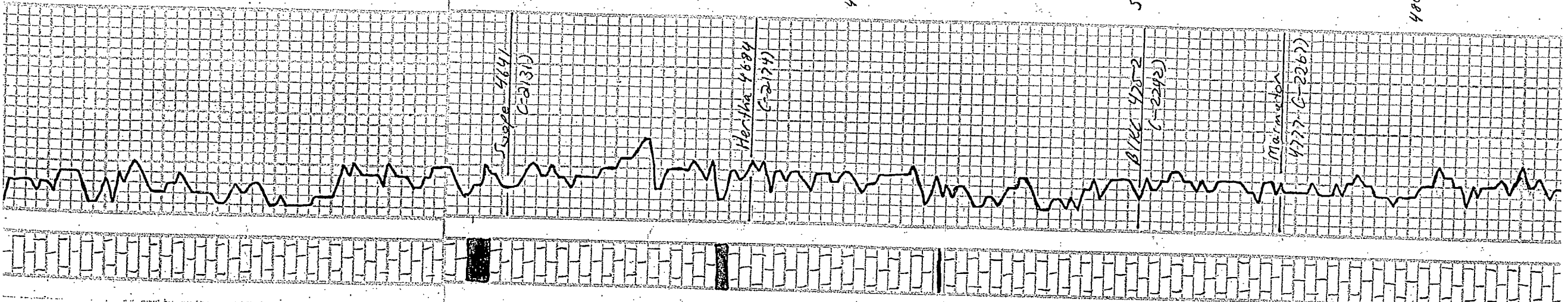
ls. com = br. fa. = v. fa. x h. dense /  
hard, n. vis. of s. ch. f. s. n. o. od. n. s.

Shy, n. a. - color

ls. com = gy. fa. x h. dense / hard  
p. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = tr. fa. = v. fa. x h. dense /  
hard, p. vis. of s. ch. f. s. n. o. od. n. s.

ls. com = tr. fa. x h. dense / hard  
p. vis. of s. ch. f. s. n. o. od. n. s.



4600

50

4700

50

4800

LS, cm = ta, fa, xln, dense/hard,  
p. vis. g, oo, i, p, s, l, ch, fg, n, o,  
od, n, r

LS, cm = bc, fa, v, fa, xln, dense/  
hard, p. vis. d, ooc, ip, ch, fg,  
n, o, d, n, r

LS, AN

LS, cm = ta, fa, v, fa, xln, dense/  
hard, p. vis. d, ooc, ip, ch, fg, n, o,  
od, n, r

LS, cm = fa, v, fa, xln, dense/  
bc, fg, n, o, ip, vis. g, ooc, d, n, o, od, n, r

LS, cm = lt, bc, fa, v, fa, xln, dense/  
hard, n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

LS, OCE Carb

LS, cm = g, fa, v, fa, xln, dense/  
bc, fg, n, o, ip, vis. d, ooc, ip, ch, fg, n, o,  
od, n, r

LS, cm = ta, fa, v, fa, xln, dense/  
hard, n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

LS, AN

Bit Trip @ 4666"  
Strip 15" Long to Board

LS, OCE Carb

LS, cm = g, fa, v, fa, xln, dense/hard,  
n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

LS, cm = g, fa, v, fa, xln, dense/  
bc, fg, n, o, ip, vis. d, ooc, ip, ch, fg, n, o,  
od, n, r

lost sample return

LS, cm = g, fa, v, fa, xln, dense/  
bc, fg, n, o, ip, vis. d, ooc, ip, ch, fg, n, o,  
od, n, r

LS, ta = wh, fa, v, fa, xln, dense/  
hard, n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

LS, cm = fa, v, fa, xln, dense/hard,  
n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

LS, cm = bc, fa, v, fa, xln, dense/  
bc, fg, n, o, ip, vis. d, ooc, ip, ch, fg, n, o,  
od, n, r

LS, cm = wh, fa, v, fa, xln, dense/  
bc, fg, n, o, ip, vis. d, ooc, ip, ch, fg, n, o,  
od, n, r

LS, cm = lt, g, fa, v, fa, xln, dense/  
hard, n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

LS, cm = g, fa, v, fa, xln, dense/hard,  
n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

LS, cm = ta, fa, v, fa, xln, dense/hard,  
n, vis. d, ooc, ip, ch, fg, n, o, od, n, r

Mud V @ 4600'

wt. 9.3

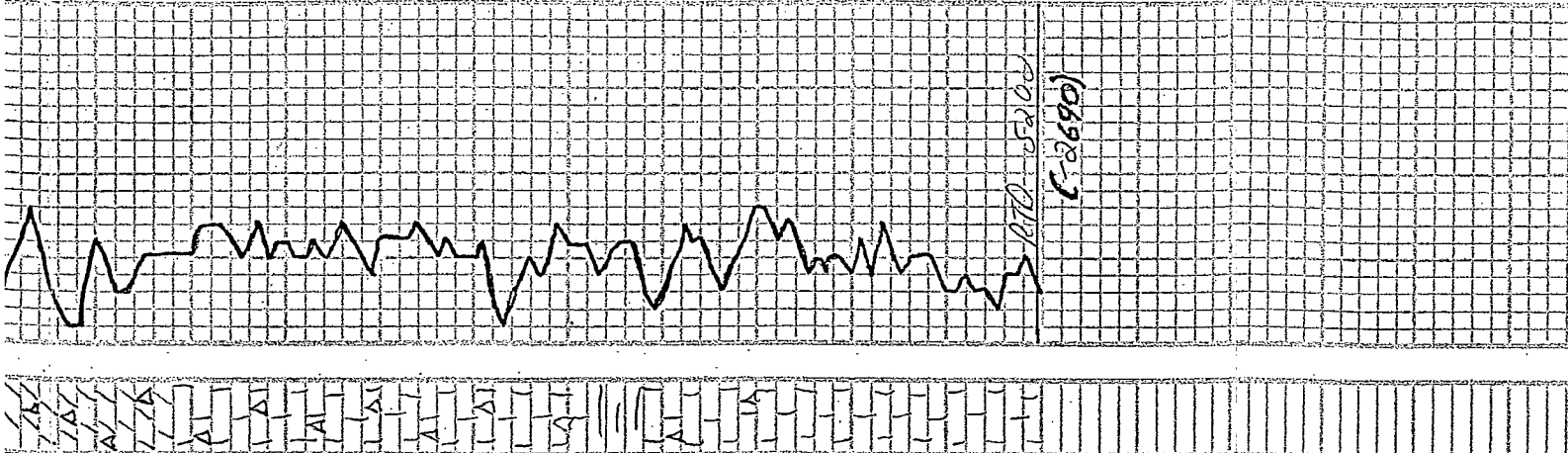
vis. 4.8

wt. 12.4

GR - 4.500

LCM - 0





5100

Uol...  
 Hle...  
 Ch...  
 D...  
 Ch...  
 S...  
 Ch...  
 S...  
 Ch...  
 S...  
 Ch...  
 S...

50

5200

100  
 (2690)