

A.P.I.# 15-051-26668-00-00

GEOLOGICAL REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Staab Oil Company
 LEASE SEC # 3
 FIELD Schmeidler
 LOCATION 1620' FNL + 1645' FWL
 SEC 28 TWSP 125 RGE 17W
 COUNTY Ellis STATE Kansas

ELEVATION

KB 2117'
 DF _____
 GL 2112'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR Shields Drilling Co., Inc.
 SPUD 2-12-14 COMP 2-20-14
 SAMPLES SAVED FROM 3090' TO R.T.D.

CASING

Surface 8 5/8" @ 219'
 Production 5 1/2"

ELECTRIC LOGS
Pioneer

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				●			
<u>Anhydrite</u>	<u>1334</u>	<u>1335</u>	<u>+ 782</u>	<u>+ 791</u>			
<u>Base Anhydrite</u>	<u>1375</u>	<u>1375</u>	<u>+ 742</u>	<u>+ 750</u>			
<u>Topeka</u>	<u>3103</u>	<u>3104</u>	<u>- 987</u>	<u>- 972</u>			
<u>Heebner</u>	<u>3340</u>	<u>3341</u>	<u>- 1224</u>	<u>- 1207</u>			
<u>Toronto</u>	<u>3361</u>	<u>3361</u>	<u>- 1244</u>	<u>- 1227</u>			
<u>Lansing</u>	<u>3384</u>	<u>3385</u>	<u>- 1268</u>	<u>- 1250</u>			
<u>Base Kansas City</u>	<u>3614</u>	<u>3615</u>	<u>- 1498</u>	<u>- 1484</u>			
<u>Arbuckle</u>	<u>3650</u>	<u>3649</u>	<u>- 1532</u>	<u>- 1510</u>			
<u>Total Depth</u>	<u>3730</u>	<u>3731</u>	<u>- 1614</u>	<u>- 1588</u>			

REFERENCE WELLS

- A Staab Oil Co., Staab # 2 700' FNL + 2130' FWL Sec 28-125-17W
- B _____
- C _____
- D _____

REMARKS

This well ran 18 feet lower on the hanging top and 22 feet lower on the Buckle top than the reference well. The open hole logs and drill stem test indicate the well should be further tested. The zone from 3660' to 3664' should be tested.

Richard B. Bell
2/20/14

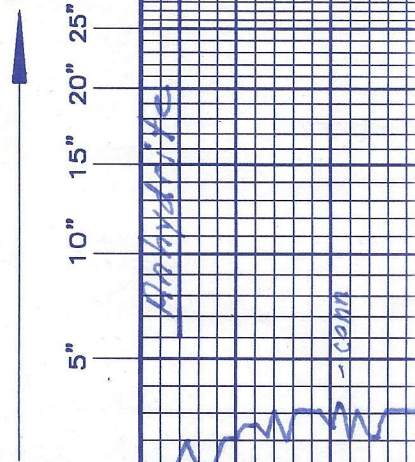
7502

LEGEND

	Anhydrite		Salt		Sandstone		Shale		Carb sh		Limestone		Ool. Lime		Chert		Dolomite
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DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



LOG 7710

DEPTH

1330

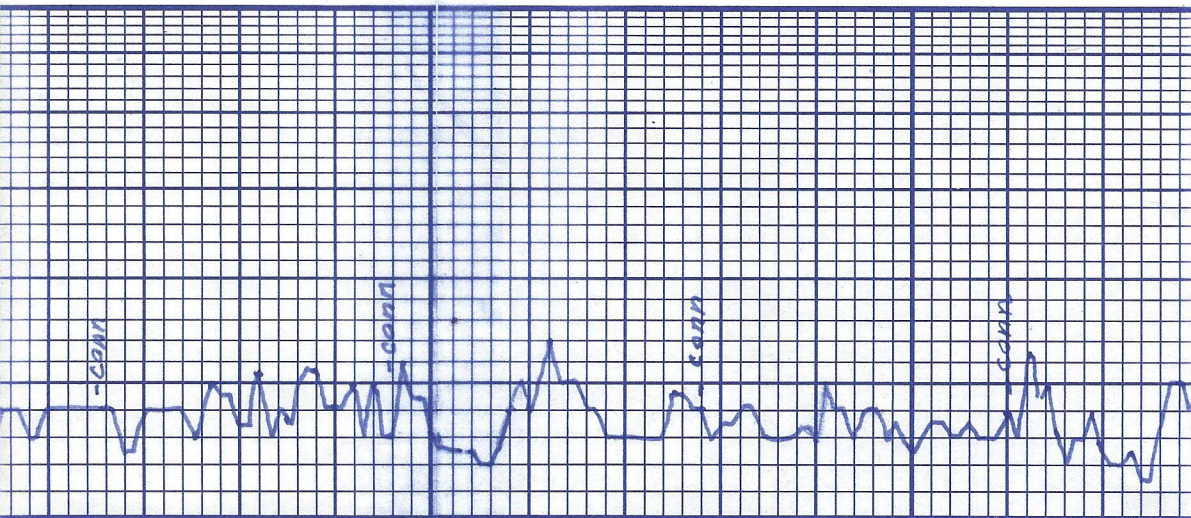
1350

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS



20

40

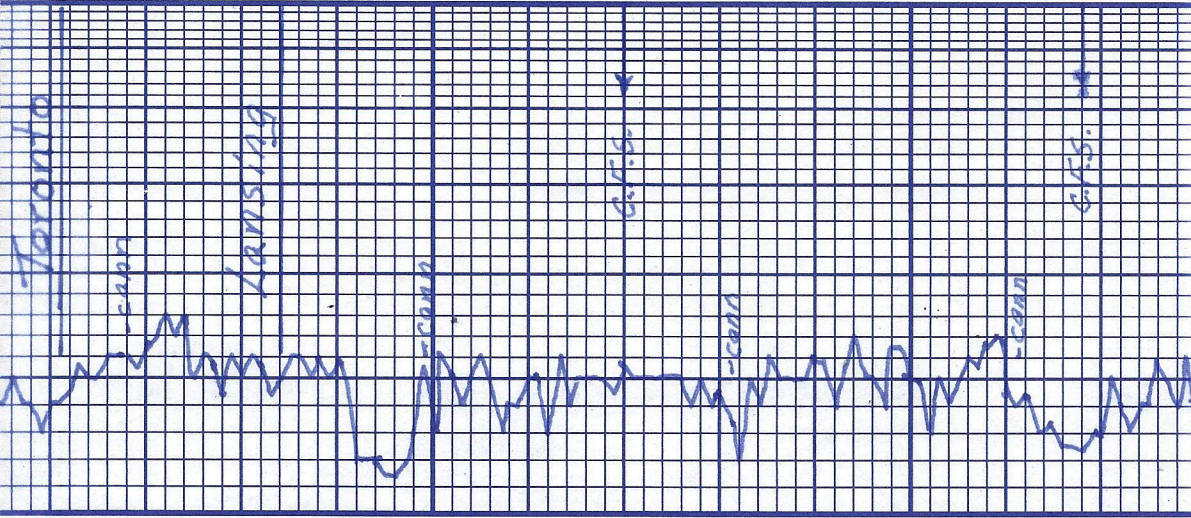
60

80

3200

20

LS: tn-brn-gry fxlh-fsif dns N.S.O.
LS: tn-gry slicky-fsif dns N.S.O.
Sh: gry & drk gry LS: tn-gry fsif dns N.S.O.
LS: wh-ta cky-fxlh friable N.S.O.
LS: wh-ta-gry cky-fsif dns N.S.O.
LS: tn-gry slicky-fxlh-fsif ppp friable N.S.O. & drk gry
LS: tn-gry fxlh-fsif mostly dns N.S.O. abund. & drk gry
LS: a.a. incr. cky
77 Blk Carb Sh LS: tn-fsif slipritic dns Sh: gry & brn
LS: tn fsif pp & N.S.O.



60

80

'A'

3400'B

'C'

20

'D'

40

'E'

60

'F'

80'

LS: tn fcln-fs lf dns v.R.T
pr. lt. edge. Stn No cat
(mind stn)

LS: wh-fcln-fs lf dns N.S.O.
As wh-fcln
Sh: gry & gra

LS: wh-fcln-fs lf dns A wh
Tr v.R.T lt. edge. 9.5 ft
N.F.C. fr. cut. no odor

Sh: brn & gry
LS: wh-fcln-fs lf dns pp φ
Tr stn from above
Sh: brn & gry

LS: tn fcln-fs lf Tr. sli.ool
PP φ, Tr v.R.T lt. sptd 0.5 ft
Tr fr. edge. 5th N.F.C. No odor

Sh: brn gry
LS: tn-fs lf pp φ Tr. sli.ool
S.O. Tr. fcln. Diss O. on Crashing
A wh

Sh: tr. blk Carb

LS: tn-gry fs lf dns N.S.O.

LS: wh-fcln-fs lf pp φ lt.
sptd 0.5 ft N.F.C. fr. cut
No odor

Sh: gry
LS: wh-fcln-fs lf sli.ool (-Tr. sli.
oolc. pp φ lt. sptd 0

Stn. N.F.O. No odor	Wh to sli. cky - fcln dms	Sh: gry, brn, grn Tr. blk Carb. sh.	Sh: brn + gry	LS: wh - tn sli. cky - fcln Tr. fsh dms N.S.O.	LS: wh - tn sli. cky - fcln Tr. sli dolic. Tr. ppd lt. Sptd edge Stn N.F.O. No odor	Sh: brn + gry	LS: Wh - tn fcln Tr. oil in part of Tr. pr. lt. 0.5th N.F.O. No odor	Sh: gry, grn, brn	LS: wh to cky - fcln dms	Sh: gry, brn, grn
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3500

20 'H'

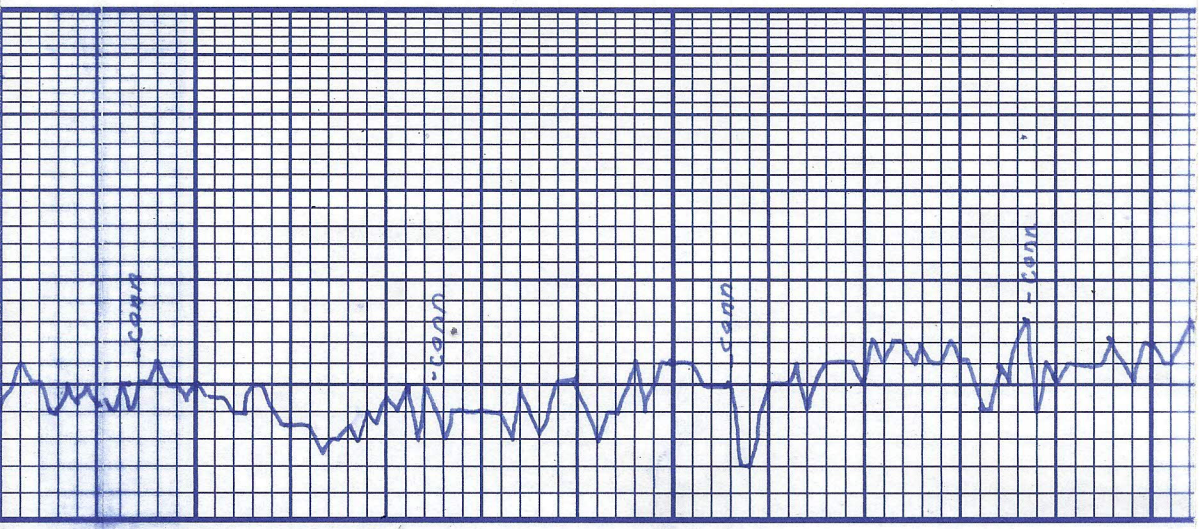
40 'I'

60 'J'

80

'K'

3600



Trilobite Testing

Straddle Test
NST# / 3410-3667

