

A.P.I. # 15-065-24138-0000

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC.
 LEASE White # 2-10
 FIELD wildcat
 LOCATION 920' FNL + 2155' FEL
 SEC 10 TWSP 6S RGE 21W
 COUNTY Graham STATE Kansas

ELEVATION
 KB 2145'
 DF 2143'
 GL 2137'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR WW Drilling Rig #12
 SPUD 6-9-17 COMP 6-13-17
 SAMPLES SAVED FROM 3100' TO R.T.D.

CASING
 Surface 8 5/8" @ 212'
 Production none

ELECTRIC LOGS
ELI

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<u>E. log</u>	<u>+</u>	<u>+</u>		
<u>Anhydrite</u>	<u>1828</u>	<u>1822</u>	<u>+ 323</u>	<u>+ 336</u>	<u>+ 347</u>		
<u>Base Anhydrite</u>	<u>1859</u>	<u>1854</u>	<u>+ 292</u>	<u>310</u>	<u>+ 321</u>		
<u>Topeka</u>	<u>3173</u>	<u>3166</u>	<u>- 1021</u>	<u>-1019</u>	<u>-1020</u>		
<u>Heebner</u>	<u>3373</u>	<u>3366</u>	<u>- 1221</u>	<u>-1218</u>	<u>-1215</u>		
<u>Toronto</u>	<u>3400</u>	<u>3393</u>	<u>- 1248</u>	<u>-1249</u>	<u>-1240</u>		
<u>Lansing</u>	<u>3417</u>	<u>3410</u>	<u>- 1265</u>	<u>-1262</u>	<u>-1258</u>		
<u>Base Kansas City</u>	<u>3602</u>	<u>3596</u>	<u>- 1451</u>	<u>-1447</u>	<u>-1444</u>		
<u>Marmaton</u>	<u>3643</u>	<u>3637</u>	<u>- 1492</u>				
<u>Arbuckle</u>	<u>3683</u>	<u>3677</u>	<u>- 1532</u>	<u>- 1512</u>	<u>-1506</u>		
<u>Total Depth</u>	<u>3745</u>	<u>3738</u>	<u>- 1593</u>	<u>-1562</u>	<u>-1561</u>		

REFERENCE WELLS

- A Gateway Resources #1-10 White, 990' FNL + 2500' FEL Sec. 10-6S-21W
- B Gateway Resources #1-10 Paterson, 2300' FSL + 2015' FNL Sec. 10-6S-21W
- C
- D

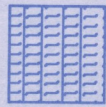
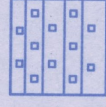
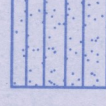


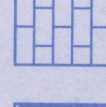
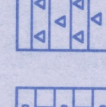
REMARKS

This well ran 3 to 7 feet lower on the Lansing top and 20 to 26 feet lower on the
 Abuckletop than the nearby reference wells. After considering all pertinent
 information it was decided no further testing was warranted. The well was
 plugged and abandoned.

Richard B. Bell
 6-14-17

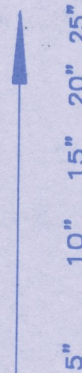
7502

LEGEND

- 
 Anhydrite
- 
 Salt
- 
 Sandstone
- 
 Shale
- 
 Carb sh
- 
 Limestone
- 
 Ool. Lime
- 
 Chert
- 
 Dolomite

DRILLING TIME IN MINUTES
 PER FOOT

Rate of Penetration Decreases



LOG 7710

DEPTH

1820

1850

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

Base Amplitude
5/100 1854

W

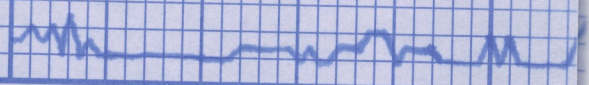
2900

20

40

-cam

-cam



Drilling time has to be
adjusted up 6 to 7 ft.
to match log depths

Samples are logged
good samples

shibnd grey
LS to grey ss to pp

60

80

3000

20

40

60

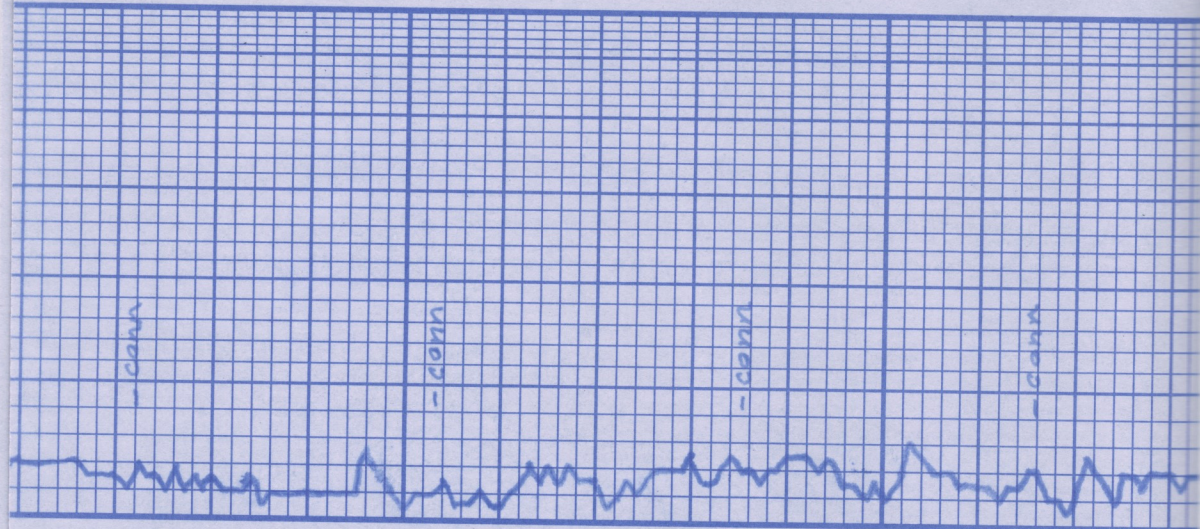
80

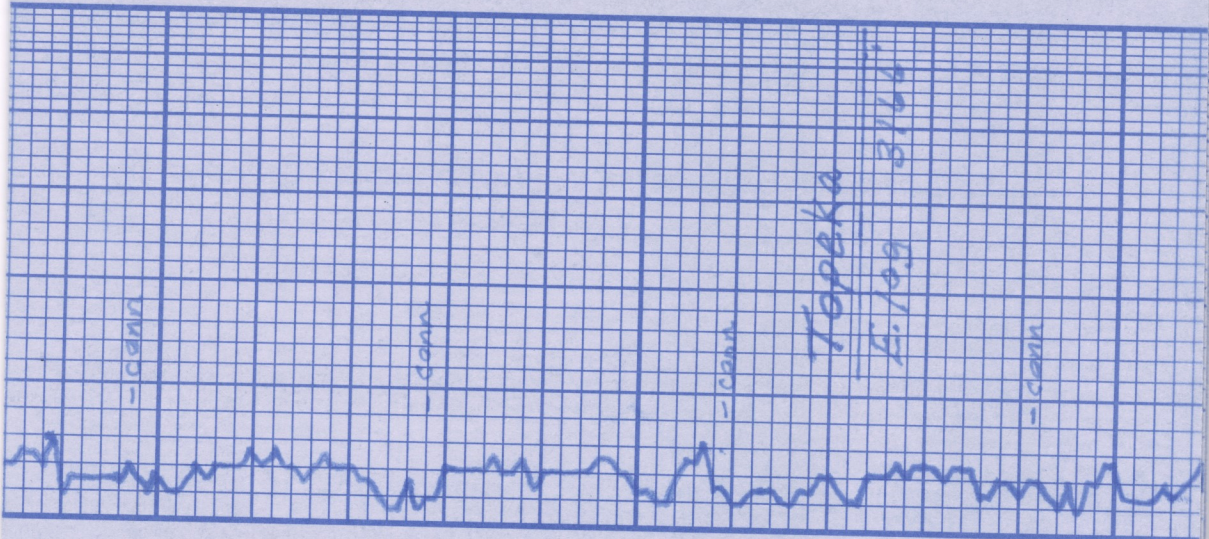
-conn

-conn

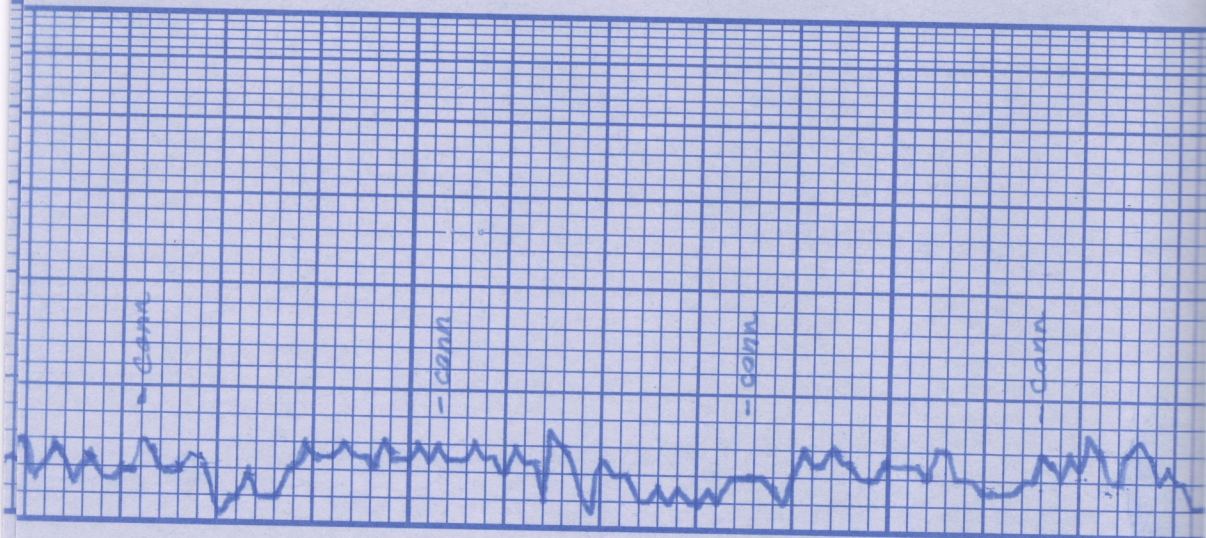
-conn

-conn





3100	Sh:brn slty	
	ls:wh-tn-gry fslf dns N.S.O.	
20	ls:wh-tn-gry mtd fslf dns N.S.O.	
	Tr.SS: clr-frost fr. gn. conse in gran φ N.S.O.	
40	ls:tn-gry fslf dns N.S.O.	
	Sh:gy slty ls:gy mtd fslf dns N.S.O.	
60	ls:tn-gry fslf dns N.S.O.	
	Sh:gy slty + brn slty	
80	ls:wh-tn-gry cky-fx dns N.S.O.	
	ls:tn-gry-sli:ye-l fx dns sh:brn t gry N.S.O.	
	ls:tn-gry mtd fslf dns sh:brn t gry	
3200	ls:wh-tn fcln dns N.S.O.	



20

40

60

80

3300

20

LS:tn-gry mtld fls/dns

LS:wh-tn fcln fls/dns
N.S.O.

LS:wh-tn fcln fls/dns
V. Δty wh-tn N.S.O.

LS:wk-tn fls/dns
N.S.O. Δ wh-tn

Sh: blk Carb
LS:tn-gry fls/dns N.S.O.

Trace SS: V. fn gn Consol.
ingran. φ N.S.O.

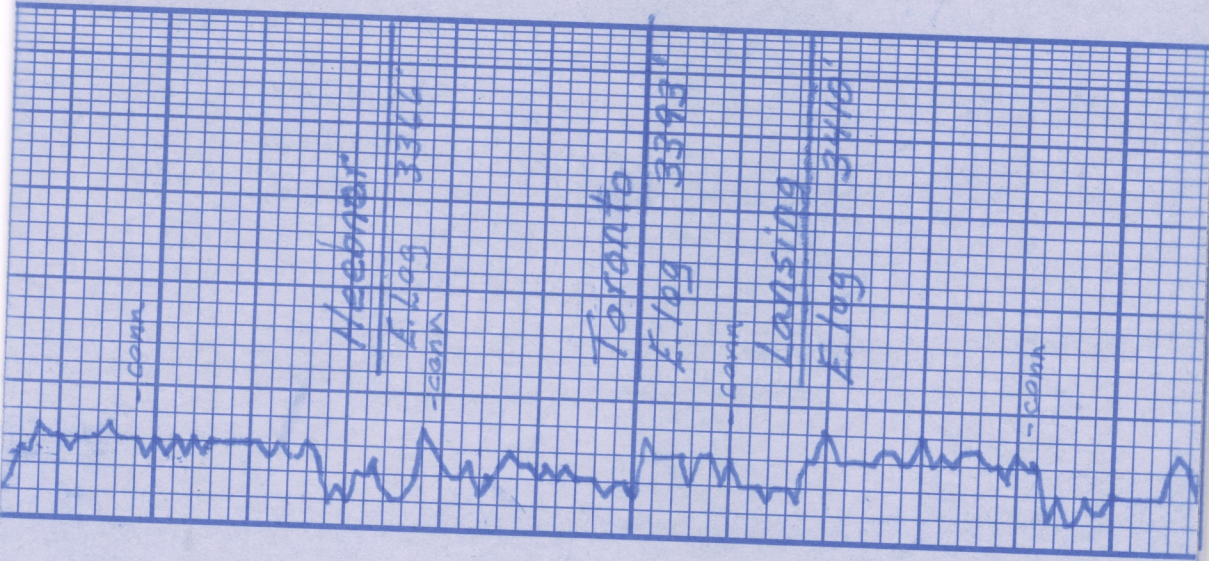
Sh: gry sily

LS:tn-gry mtld fls/dns
N.S.O.

LS:wh-tn fcln -sli. fls/dns
N.S.O.

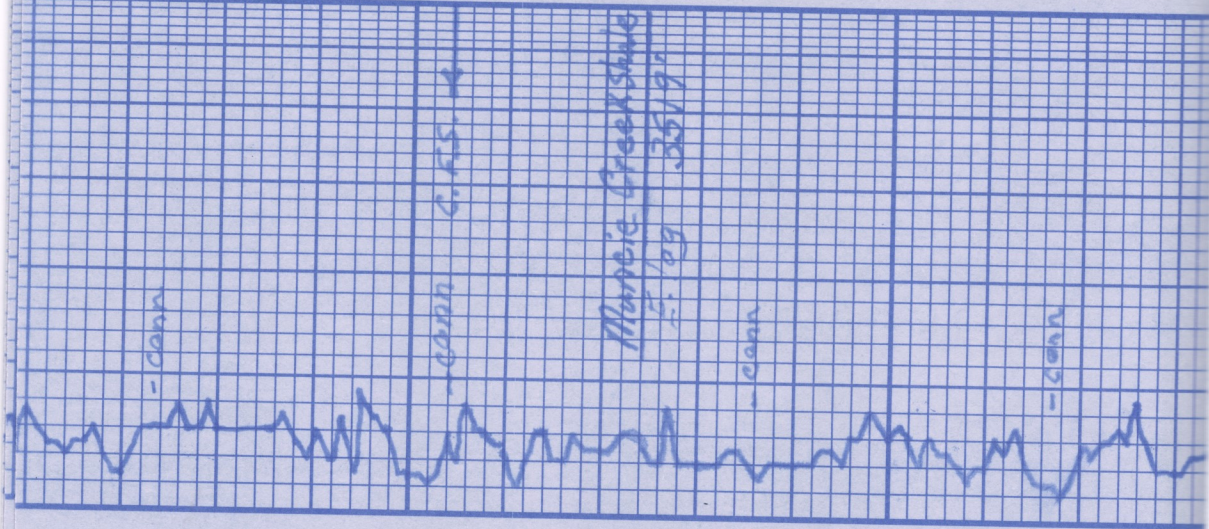
LS:tn-lt. gry fls/dns N.S.O.

Trace Sh: blk Carb
LS:wh-tn fcln -sli. fls/dns
N.S.O. Sh: gry
LS:wh-tn dolie fcln N.S.O.



40	SI: VGYD N.S.O. - No cut Tr. A wh
60	LS: wh-tn-feln Tr sub oil N.S.O. No cut
80	LS: aa. Tr A wh
3400	LS: wh-tn-lt. gry slicky- fslf dns Sh: b lk Carb LS: tn fslf dns. N.S.O. Sh: lt. gry slty
20 'A'	LS: wh-tn-feln-sli. fslf dns N.S.O. do cut No odor Sh: brn
40	LS: wh-tn slicky-feln- Tr. sl: fslf dns N.S.O. Tr. A wh-tn
'C'	LS: tn-sli. gel fslf dns N.S.O. Sh: gry & brn
	LS: wh-tn fslf ppd-Tr VGYD pr. N.S.O. 0.5 tn N.S.O. No cut

✓



-cann

-cann

-cann

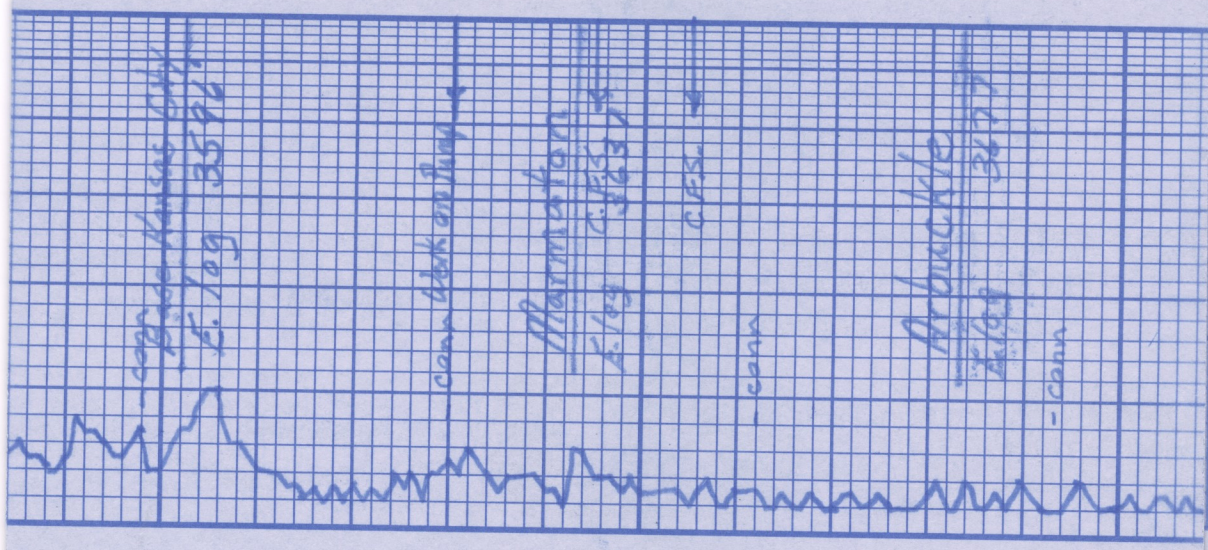
-cann

Marcie Creekside
E 69 35191

60 'D' 80 'E' 'F' 3500 G 20 'H' 40 'I' 60 'J' 80

LS: wh-tn-fxh pr. 0-14 odor Δy wh-tn-gry	LS: wh-tn-fxh tr 0-1 in part pr. lt. 0 stn lt. sour odor N.F.O.	Dol: tn lt. 0 sat N.F.O. Agry mtld sour odor	LS: tn-fxh lt. 0 sat N.F.O. Tough to crush sour odor	LS: wh-tn-kt-gry fxh dns tr Δ tr	Sh: blk carb. LS: tn-fxh dns N.S.O. sh: gy + brn	LS: wh-tn-sli-cky-fxh tr ppd V.R.T pr. lt. spid 0 stn N.F.O.	LS: wh-tn-sli-cky-fxh ppd -tr. VgY pr. lt. spid 0 stn tr. fnly diss oil on crush Sh: det gry + brn
---	---	---	--	-------------------------------------	--	--	---

✓ ✓ ✓ ✓ ✓ ✓ ✓

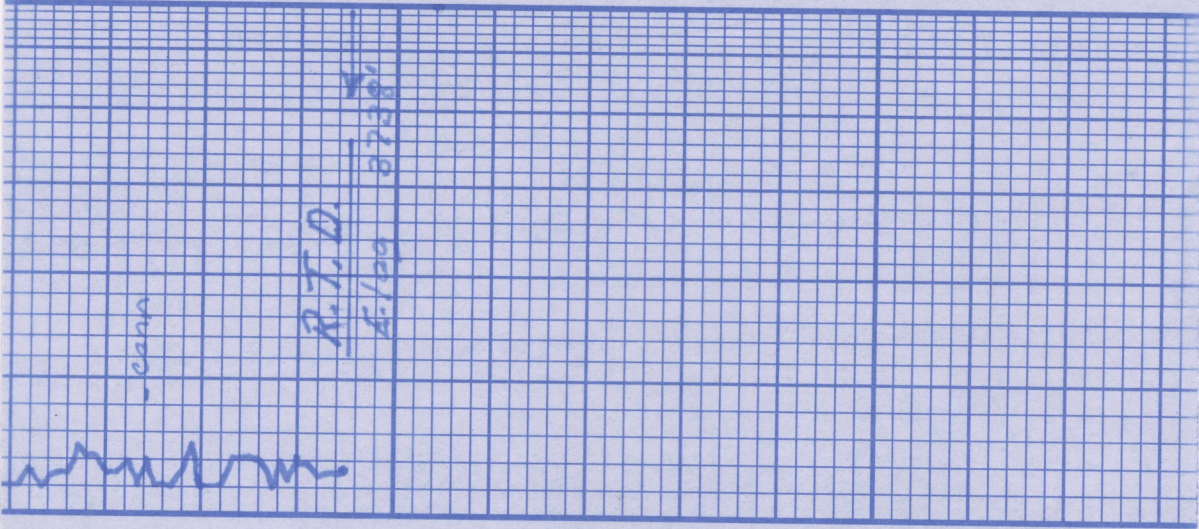


3600' 20 40 60 80 3700

LS: wh-tn. Sli. Clay-fach No vis φ Tr. Lt. Spd. O. Str.	LS: wh-tn. fclnds N.S.O. LS: + sly LS: fcln-maln Tr mshng Lt. Spd. N.F.O. Qtz Sd embedded No adnt
R.T. floating F.O. No odor sh: brn + gry silty	sh: gry + brn
LS: wh-tn fcln-fsh R.T. Vgy φ R.T. Lt. Spd. O. Str. N.F.O.	LS: wh-tn fclnds N.S.O. LS: + sly LS: fcln-maln Tr mshng Lt. Spd. N.F.O. Qtz Sd embedded No adnt
shly: brn silty + gry silty	sh: brn + gry
Tr. SS: U. fn. gn. Snsol. in gran φ N.S.O.	sh: brn + gry Δ or yel, W
	Dol: wh-tn fcln-coars sh in xln φ Lt. Spd O. Str. w/ asph spts included N.F.O. lot of barren
	Dol: wh-tn fcln-maln

✓ ✓ ✓

Start Trip @ 3630'



-conn

R.T.D.

4/29 8738



mxln spks mostly barren Δ wh-trn																				
Dol:tn-brn fcln-mxln inln ⊕ mostly barren																				
Dol:tn-brn fcln-mxln mxln ⊕ barren																				

20

40

60

80

3800

Board 3755.64
 Strap 3752.91
 Diff. 2.73
 Incline ⊙ 3745' 3/4