

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Thoroughbred Associates L.L.C.
Well Name	PERRY TRUST 1-30
Doc ID	1567365

All Electric Logs Run

Dual Induction
Neutron
Micro
Sonic

GEOLOGIST REPORT

WellSight Systems

Scale 1:240 (5"=100') Imperial

Measured Depth Log

Well Name: Perry Trust #1-30

API: 15-203-20365-00-00

Location: SE NW SW NW Sec. 30-18S-37W (Wichita Co)

License Number: 31514

Spud Date: 3/2/2021

Surface Coordinates: 1949' FNL & 556' FWL

Region: KANSAS

Drilling Completed: 3/12/21

Bottom Hole

Coordinates:

Ground Elevation (ft): 3337

K.B. Elevation (ft): 3346

Logged Interval (ft): 3700

To: RTD

Total Depth (ft): 4995

Formation:

Type of Drilling Fluid: Mud-Co Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Thoroughbred Associates

Address: 8100 E 22nd St., Suite 600

Wichita, KS 67226

GEOLOGIST

Name: Andrew Stenzel

Company: Petroleum Geologist

Address: 501 S. Franklin

Ness City, KS 67560

Drilling Report

DAILY DRILLING REPORT:

3/2/21 MIRU

3/3/21 Ran surface casing

3/4/21 Drilling @ 576'

3/5/21 Drilling @ 2605'

3/6/21 Circulating @ 3600'

3/7/21 Drilling @ 4060'

3/8/21 Tripping out for DST #1

3/9/21 Drilling @ 4520', DST #2

3/10/21 Drilling @ 4587'

3/11/21 Drilling @ 4906', ran electric logs

3/12/21 Plugged & Abandoned

Services

RIG: Duke Drilling Co., Rig #4

MUD: MUDCO

LOGS: ELI Wireline; CNDL, DIL, ML, SL

Casing Record

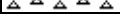
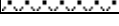
SURFACE Casing: Ran 8 jts 8 5/8", 24# casing @ 361'.

PRODUCTION Casing: None

Formation Tops

Sample Tops		LogTops	
Anhy.	2410 (+936)	Anhy.	2404 (+942)
Topeka	3744 (-398)	Heebner	3747 (-401)
Heebner	3930 (-584)	Topeka	3930 (-584)
Lansing	3982 (-636)	Lansing	3978 (-632)
LKC D	4082 (-736)	LKC D	4081 (-735)
Muncie Cr	4170 (-824)	Muncie Cr	4175 (-829)
Stark Sh	4280 (-934)	Stark Sh	4282 (-936)
BKC	4388 (-1042)	BKC	4386 (-1040)
Marmaton	4436 (-1090)	Marmaton	4437 (-1091)
Pawnee	4526 (-1180)	Pawnee	4530 (-1184)
Ft. Scott	4557 (-1211)	Ft. Scott	4558 (-1212)
Cher. Sh.	4572 (-1226)	Cher. Sh.	4572 (-1226)
Johnson	4676 (-1330)	Johnson	4680 (-1334)
Morrow Sh.	4791 (-1445)	Morrow Sh.	4796 (-1450)
Miss.	4931 (-1585)	Miss.	4934 (-1588)
RTD	4995 (-1649)	LTD	4996 (-1650)

ROCK TYPES

	Anhy		Clyst		Gyp		Mrlst		Shgy
	Bent		Carb sh		Igne		Salt		Sltst
	Brec		Congl		Lmst		Shale		Ss
	Cht		Dol		Meta		Shcol		Till



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Thoroughbred Resources

8100 E 22nd St Ste 600
Wichita, Ks 67226

ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks

Perry Trust 1-30

Job Ticket: 66799

DST#: 1

Test Start: 2021.03.07 @ 23:04:12

GENERAL INFORMATION:

Formation: **LKC H-i**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:05:42

Time Test Ended: 07:42:42

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: **4187.00 ft (KB) To 4241.00 ft (KB) (TVD)**

Total Depth: 4241.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3346.00 ft (KB)

3337.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 42.68 psig @ 4188.00 ft (KB)

Start Date: 2021.03.07

End Date:

2021.03.08

Capacity: 8000.00 psig

Last Calib.:

2021.03.08

Start Time: 23:04:17

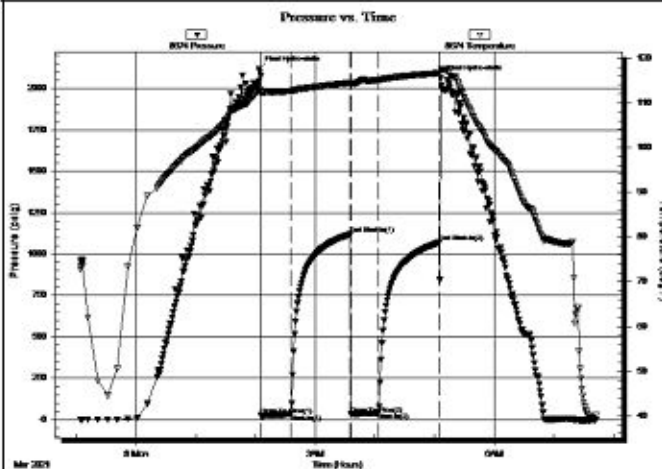
End Time:

07:42:42

Time On Btmr

Time Off Btmr 2021.03.08 @ 02:03:42

TEST COMMENT: IF: 1/2 blow built to 1.
IS: No return.
FF: Surface blow built to 1/4.
FS: No return. 30-60-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2116.98	112.72	Final Hydro-static
2	25.05	112.20	Open To Flow (1)
32	32.05	112.64	Shut-In(1)
92	1118.71	114.45	End Shut-In(1)
92	33.75	114.12	Open To Flow (2)
120	42.68	115.07	Shut-In(2)
181	1069.03	116.64	End Shut-In(2)
183	2062.34	117.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100%m	0.10

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Thoroughbred Resources

8100 E 22nd St Ste 600
Wichita, Ks 67226

ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks

Perry Trust 1-30

Job Ticket: 66800

DST#:2

Test Start: 2021.03.09 @ 16:32:19

GENERAL INFORMATION:

Formation: **Pawnee Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:24:19

Time Test Ended: 01:31:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4512.00 ft (KB) To 4575.00 ft (KB) (TVD)**

Total Depth: 4575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3346.00 ft (KB)

3337.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 28.99 psig @ 4513.00 ft (KB)

Start Date: 2021.03.09

End Date: 2021.03.10

Start Time: 16:32:24

End Time: 01:31:49

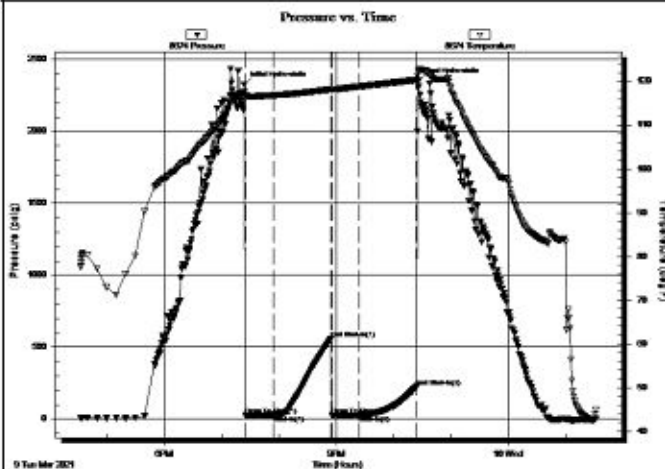
Capacity: 8000.00 psig

Last Calib.: 2021.03.10

Time On Btm: 2021.03.09 @ 19:23:19

Time Off Btm: 2021.03.09 @ 22:25:49

TEST COMMENT: IF: 1/2 blow died in 30 min.
IS: No return.
FF: No blow.
FS: No return. 30-60-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2326.63	117.52	Initial Hydro-static
1	27.04	116.53	Open To Flow (1)
31	29.68	116.86	Shut-In(1)
91	559.51	118.26	End Shut-In(1)
92	27.55	118.16	Open To Flow (2)
121	28.99	118.86	Shut-In(2)
181	226.76	120.34	End Shut-In(2)
183	2350.48	122.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

* Recovery from multiple tests

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

<p>ROP (min/ft)</p> <p>ROP (min/ft)</p>	<p>Misc</p>	<p>MD Oil Shows</p>	<p>% Lithology</p>	<p>Geological Descriptions</p>	<p>DST</p>
		<p>33</p>			
	<p>2400</p> <p>← Anhy. 2410 (+936)</p> <p>2450</p>	<p>3400</p> <p>3450</p>			
	<p>Dev. Surveys: 365: 1/2 1915: 3/4 2408: 3/4 3600: 1 4241: 3/4 4575: 1/2 4995: 1 1/4</p> <p>Lost Circulation @ 3300'. Mudded up</p>	<p>3500</p>			

and regained returns.
Lost 200 BBLS

3550

Bit trip @
3600'
ROP (ft) PDC for
button bit

Strap: 0.31' long

3600

Mud @ 3620'
Wt. 8.8
Vis. 43
Filtrate 8.0
Chlor 4100
LCM 4#

Ls., tn-lt gy, fn-vfnxn, mod hd-hd, foss ip, ool ip, few pcs w pr foss por, ns, no odr, scatt Sh., bm

Ls., aa

Sh., gy-lt gm, soft, scatt Ls., aa, scatt Shale slough, red, sandy ip

3650

Ls., crm-tn, fnxn, mod hd-mod soft, sli chlky, foss ip, nvp, ns, scatt Sh., gy, silty, scatt red Shale slough

Ls., tn, fnxn, mod soft, foss/ool, pr ppt & intrxn por ip, ns, no odr, scatt Sh., aa

3700

Ls., crm-lt gy, fnxn, soft, sli chlky, foss ip, nvp, ns, scatt Sh., gy-bm

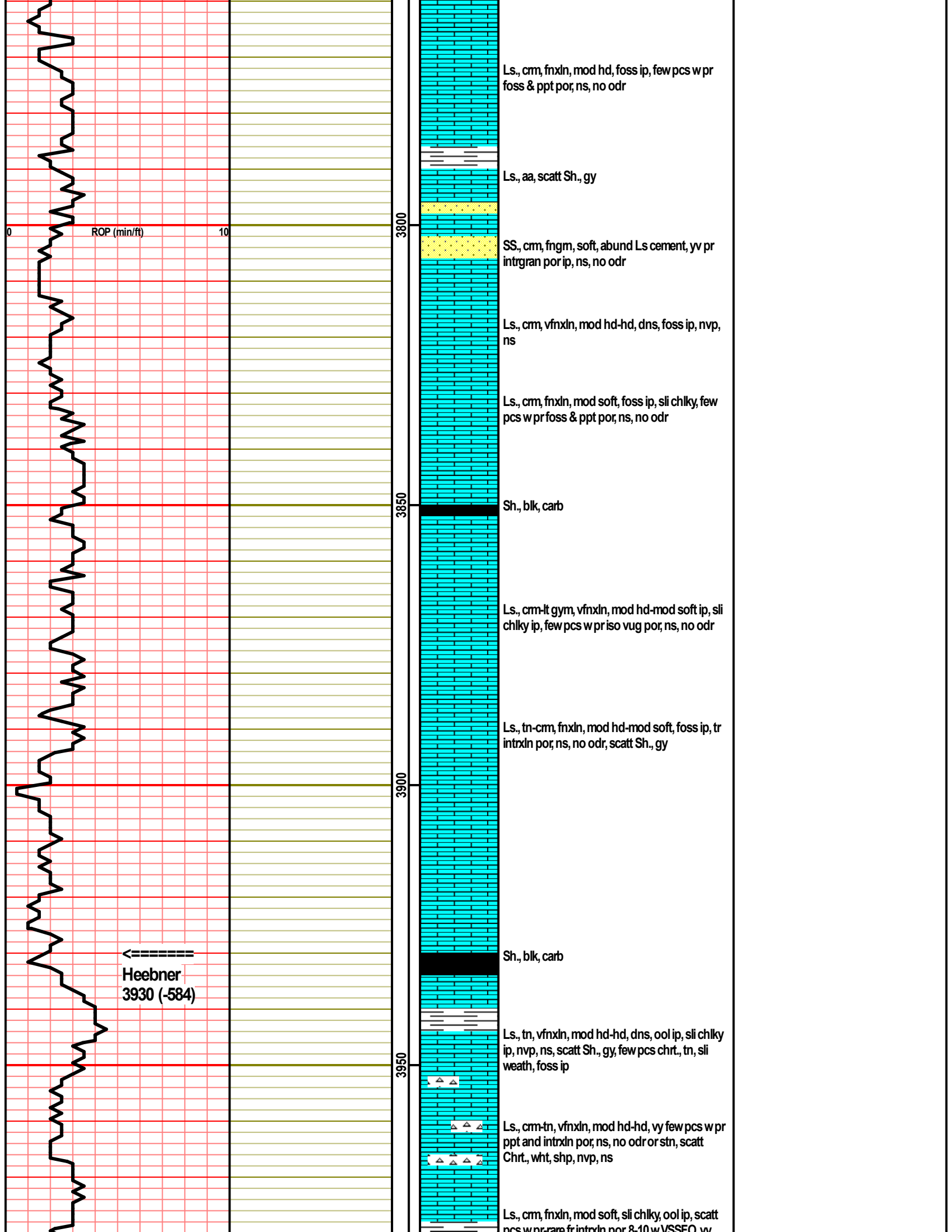
Ls., gy, fn-vfnxn, mod hd, ool ip, dk gy ooids, nvp, ns

Sh., gy, Ls., aa, amt of red shale decr

←
Topeka
3744 (-398)

3750

Ls., crm, fnxn, mod soft, chlky, foss ip, few pcs w vy pr foss & ppt por, ns, no odr



ROP (min/ft)

0

10

3800

Ls., cm, fngxln, mod hd, foss ip, few pcs w pr foss & ppt por, ns, no odr

Ls., aa, scatt Sh., gy

SS., cm, fngm, soft, abund Ls cement, yv pr intrgran por ip, ns, no odr

Ls., cm, vfnxln, mod hd-hd, dns, foss ip, nvp, ns

Ls., cm, fngxln, mod soft, foss ip, sli chlkly, few pcs w pr foss & ppt por, ns, no odr

3850

Sh., blk, carb

Ls., cm-lt gym, vfnxln, mod hd-mod soft ip, sli chlkly ip, few pcs w pr iso vug por, ns, no odr

Ls., tn-cm, fngxln, mod hd-mod soft, foss ip, tr intrxln por, ns, no odr, scatt Sh., gy

3900

Sh., blk, carb

Ls., tn, vfnxln, mod hd-hd, dns, ool ip, sli chlkly ip, nvp, ns, scatt Sh., gy, few pcs chrt., tn, sli weath, foss ip

3950

Ls., cm-tn, vfnxln, mod hd-hd, vy few pcs w pr ppt and intrxln por, ns, no odr or strn, scatt Chrt., wht, shp, nvp, ns

Ls., cm, fngxln, mod soft, sli chlkly, ool ip, scatt pcs w pr rare fr intrxln por 8-10 w VSSEO w

← Heebner 3930 (-584)

Lansing
3982 (-636)

ROP (min/ft)

cfs 4006

cfs 4049

cfs 4094

Mud @ 4097
Wt. 9.4
Vis. 53
Filtrate 8.0
Chlor 4300
LCM 4#

Muncie Cr.
4170 (-824)

DST 1

4000

4050

4100

4150

00

pos w pr intrxn in mod hd, ool w vug por, v
spot flaky bm stn, no det odr, dull fluoro, wk-fr
strm cut, scatt Sh., gy-bm

Ls., tn, fn-vfnxn, mod hd-mod soft, tr fracs, ool
ip, few pcs w pr introol and frac por, tr spot stn
along por, one pc w SSFO, had wk odr on brk,
no det cup odr

Ls., cm, fn-vfnxn, mod hd, sli chky ip, ool ip, tr
pyr, nvp, ns, scatt Sh., dk gy-lt gy, some vy soft

Ls., cm-lt gy, fnxn, mod hd, ool ip, sli chrty ip,
8-10 pcs w pr ppt-small vug por, pr intrxn por
ip, SSFO, some sli dead oil, dk bm spot stn in
por, wk cup odr, wk odr on brk, fr strm cut

Ls., aa, shows sli decr w depth, scatt Chrt., wht,
shp, nvp

Ls., tn-lt gy, fnxn, mod hd, few pcs w priso vug
por, ns, no odr,

Sh., blk, carb

Ls., tn, fn-vfnxn, mod hd-hd, most dns nvp, 3
pcs w pr-fr intrxn & pr vug por, SSFO, dk bm
spot stn, wk odr

Ls., lt gy-cm, fnxn, mod soft-soft, chky ip, 8-10
pcs w fr intrxn & pr-fr vug por, few w iso pr vug
por, FSFO, some oil heavy/sli dead, bm spot
stn in por, wk odr

Ls., cm-tn, fnxn, mod hd-mod soft, vy chky ip,
rest dns w nvp, 2 pcs w shows, aa, prob slough

Sh., blk, carb

Ls., lt gy, vfnxn, hd, dns, nvp, ns, Ls., cm,
vfnxn, soft, vy chky, nvp, ns

Ls., cm, fnxn, mod hd-mod soft, chky ip,
many pcs w pr intrxn por, rare pr vug por, ns,
no odr

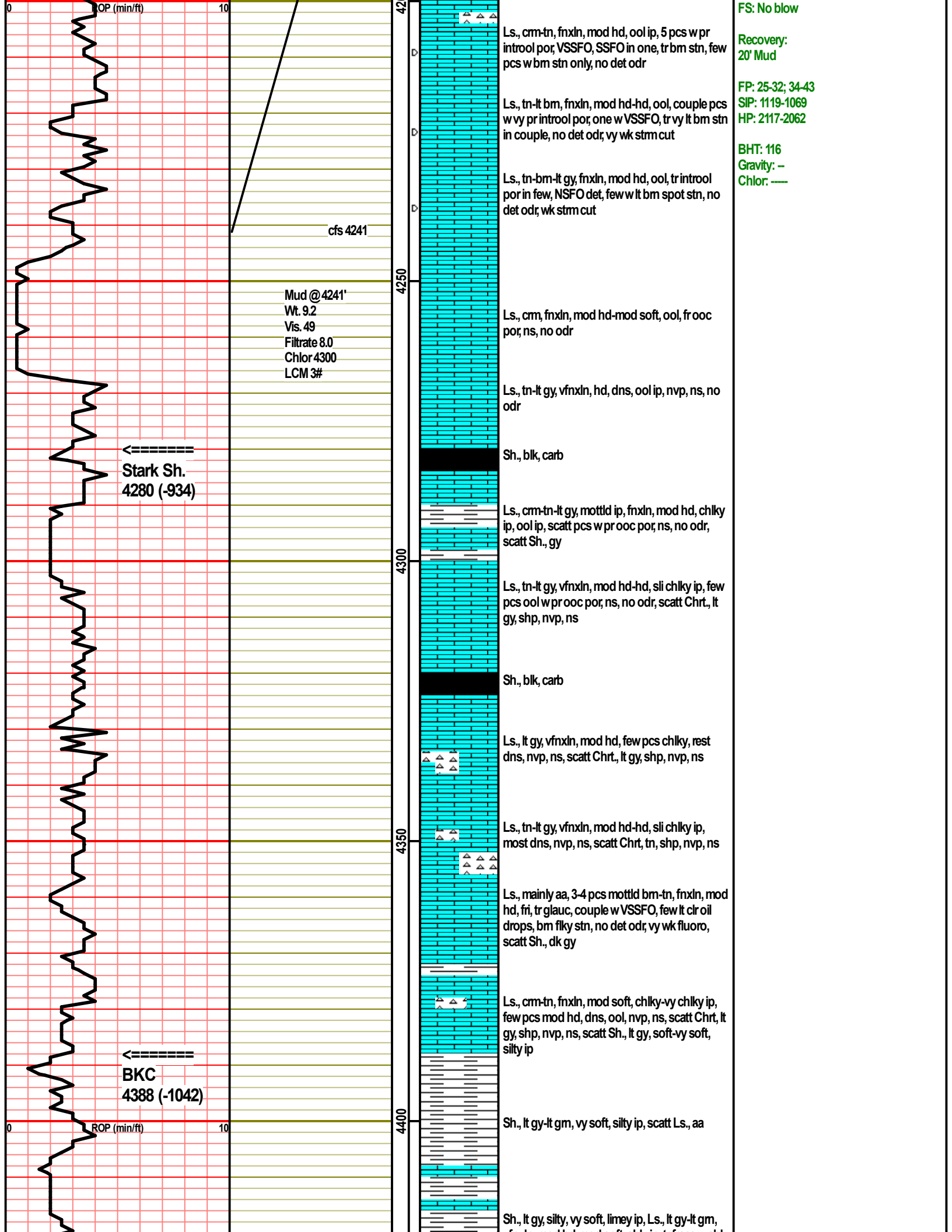
Sh., blk carb

Ls., cm, fn-vfnxn, mod hd-hd, foss ip, sli chky
ip, nvp, ns, scatt Sh., gy

Ls., tn-gy, fnxn, mod hd-hd, ool, nvp, ns,
abund Chrt., buff, shp, nvp, ns

DST #1 4187-4241
(LKC H-I)

30-60-30-60
IF: 1/2" blow, built to 1"
IS: No blow
FF: SB, built to 1/4"



FS: No blow

Recovery: 20' Mud

FP: 25-32; 34-43
SIP: 1119-1069
HP: 2117-2062

BHT: 116
Gravity: -
Chlor: —

ROP (min/ft)

← Stark Sh.
4280 (-934)

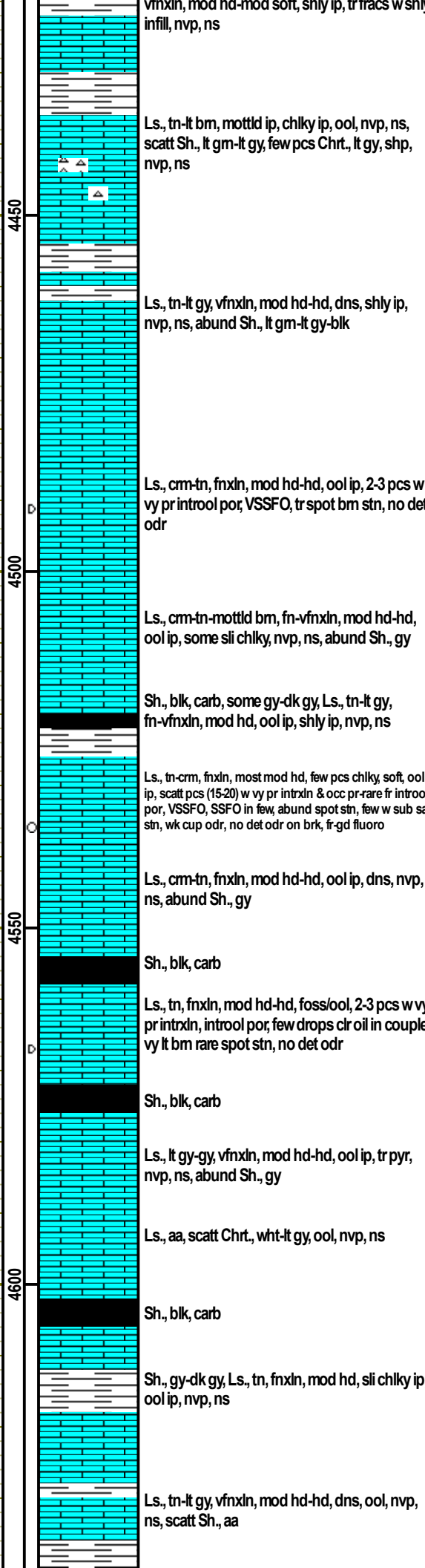
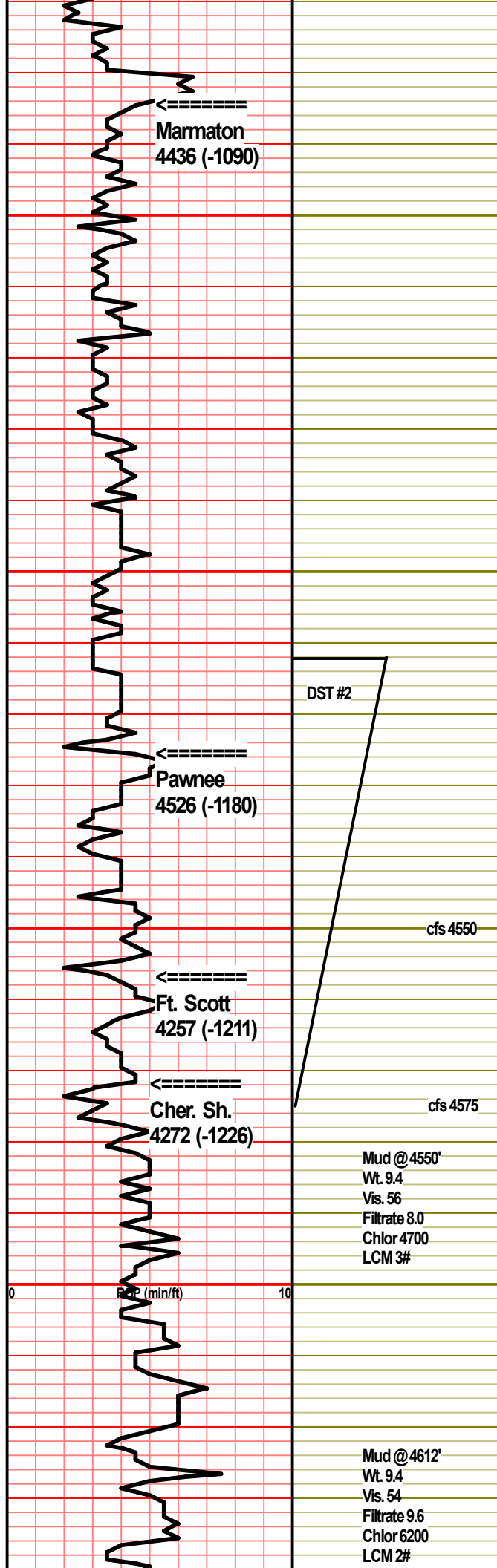
← BKC
4388 (-1042)

ROP (min/ft)

cfs 4241

Mud @ 4241'
Wt. 9.2
Vis. 49
Filtrate 8.0
Chlor 4300
LCM 3#

4200
4250
4300
4350
4400



DST #2 4512-4575 (Pawnee, Ft. Scott)

30-60-30-60
 IF: 1/2" blow, died in 30 min
 IS: No blow
 FF: No blow
 FS: No blow

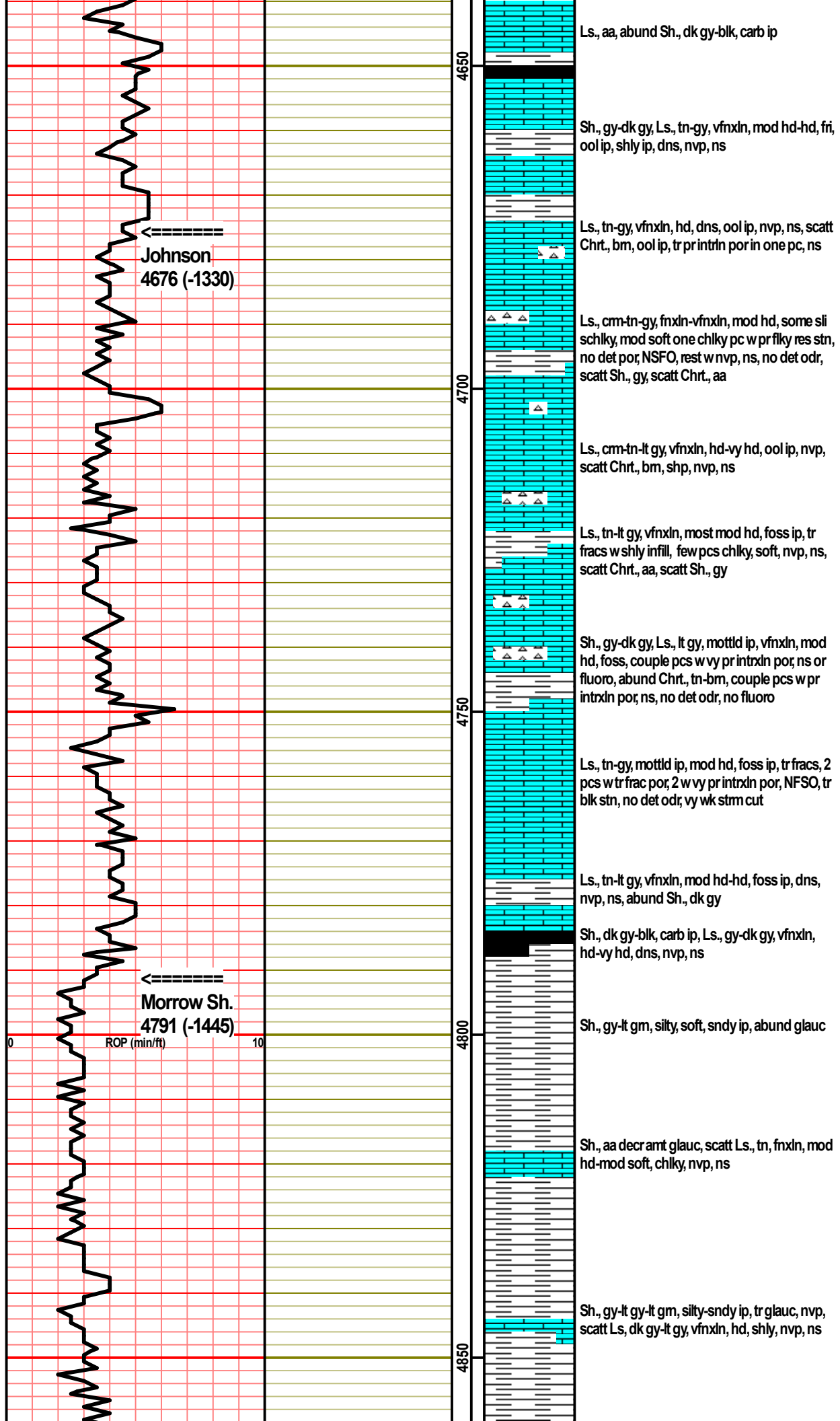
Recovery:
 10' Mud

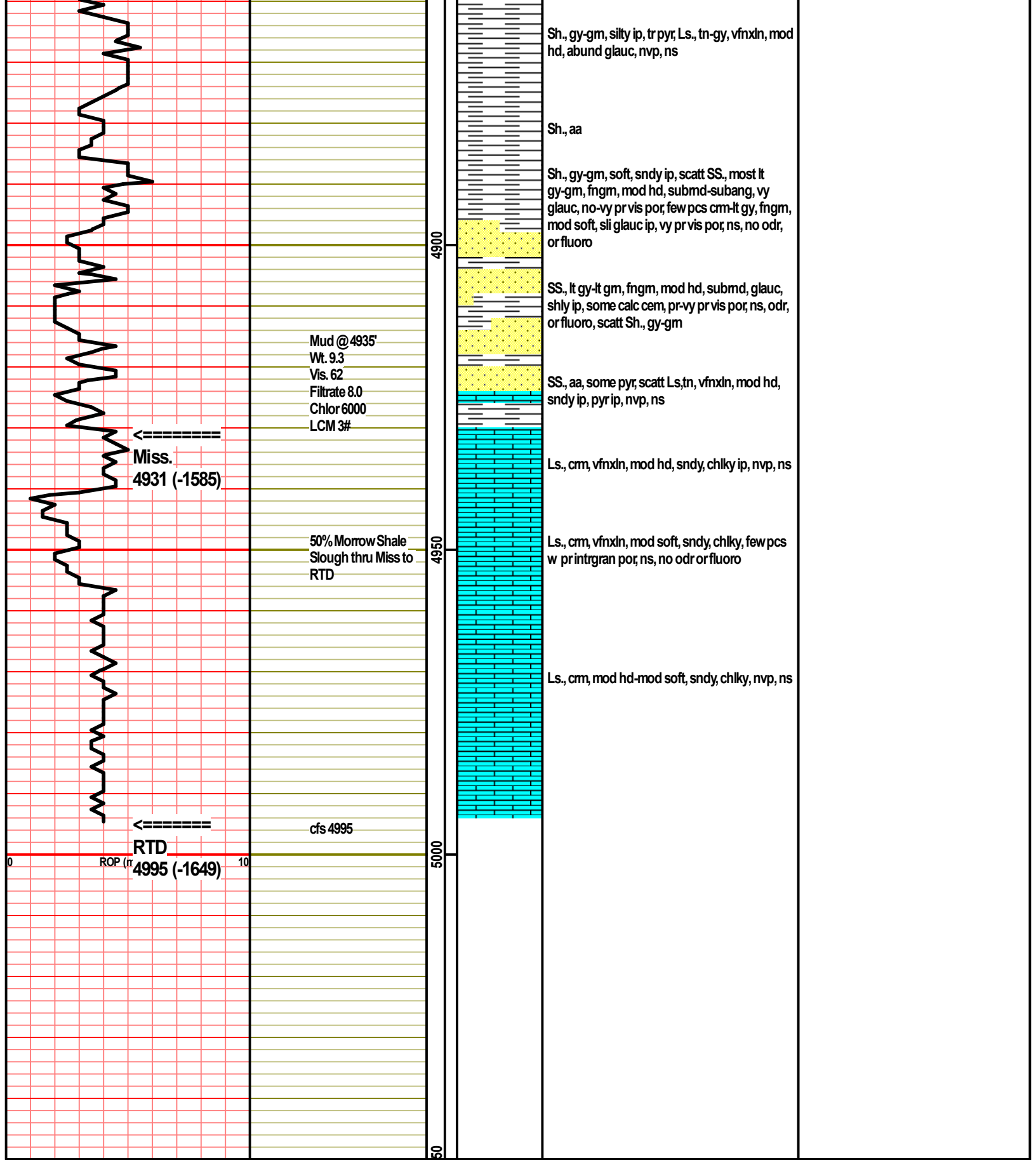
FP: 27-30; 28-29
 SIP: 560-227
 HP: 2327-2350

BHT: 120
 Gravity: -
 Chlor: —

Mud @ 4550'
 Wt. 9.4
 Vis. 56
 Filtrate 8.0
 Chlor 4700
 LCM 3#

Mud @ 4612'
 Wt. 9.4
 Vis. 54
 Filtrate 9.6
 Chlor 6200
 LCM 2#







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Thoroughbred Resources
 8100 E 22nd St Ste 600
 Wichita, Ks 67226
 ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks

Perry Trust 1-30

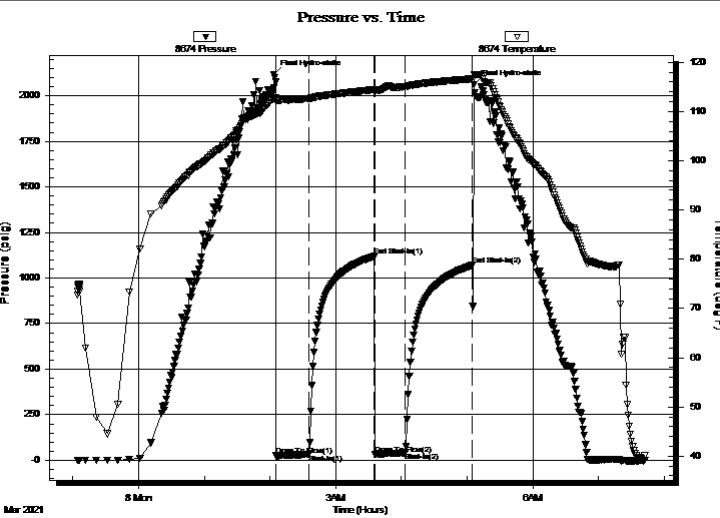
Job Ticket: 66799 **DST#: 1**
 Test Start: 2021.03.07 @ 23:04:12

GENERAL INFORMATION:

Formation: **LKC H-i**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 02:05:42 Tester: Brandon Turley
 Time Test Ended: 07:42:42 Unit No: 79
Interval: 4187.00 ft (KB) To 4241.00 ft (KB) (TVD) Reference Elevations: 3346.00 ft (KB)
 Total Depth: 4241.00 ft (KB) (TVD) 3337.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8674 Outside
 Press@RunDepth: 42.68 psig @ 4188.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.07 End Date: 2021.03.08 Last Calib.: 2021.03.08
 Start Time: 23:04:17 End Time: 07:42:42 Time On Btm:
 Time Off Btm: 2021.03.08 @ 02:03:42

TEST COMMENT: IF: 1/2 blow built to 1.
 IS: No return.
 FF: Surface blow built to 1/4.
 FS: No return. 30-60-30-60



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2116.98	112.72	Final Hydro-static
2	25.05	112.20	Open To Flow (1)
32	32.05	112.64	Shut-In(1)
92	1118.71	114.45	End Shut-In(1)
92	33.75	114.12	Open To Flow (2)
120	42.68	115.07	Shut-In(2)
181	1069.03	116.64	End Shut-In(2)
183	2062.34	117.53	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
20.00	mud 100% m	0.10

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Thoroughbred Resources
 8100 E 22nd St Ste 600
 Wichita, Ks 67226
 ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks
Perry Trust 1-30
 Job Ticket: 66799 **DST#: 1**
 Test Start: 2021.03.07 @ 23:04:12

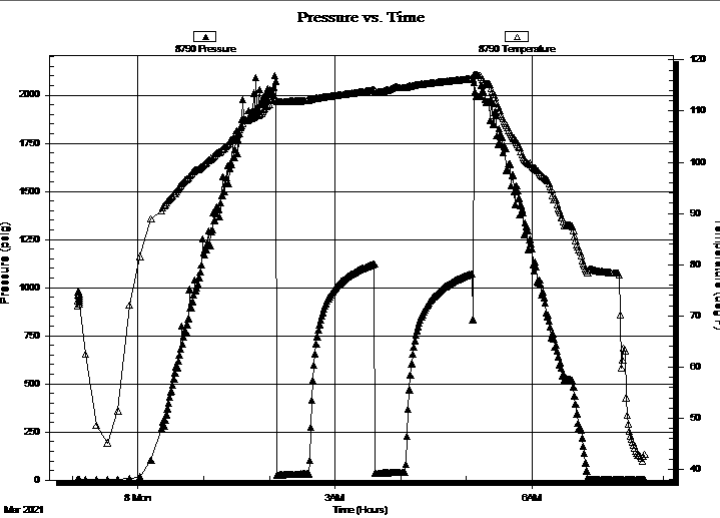
GENERAL INFORMATION:

Formation: **LKC H-i**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:05:42
 Time Test Ended: 07:42:42
 Interval: **4187.00 ft (KB) To 4241.00 ft (KB) (TVD)**
 Total Depth: 4241.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3346.00 ft (KB)
 3337.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8790 Inside
 Press@RunDepth: psig @ 4188.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.07 End Date: 2021.03.08 Last Calib.: 2021.03.08
 Start Time: 23:04:58 End Time: 07:43:23 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2 blow built to 1.
 IS: No return.
 FF: Surface blow built to 1/4.
 FS: No return. 30-60-30-60



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
20.00	mud 100% m	0.10

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Thoroughbred Resources

30-18s-37w Wichita, Ks

8100 E 22nd St Ste 600
Wichita, Ks 67226

Perry Trust 1-30

Job Ticket: 66799

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.03.07 @ 23:04:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

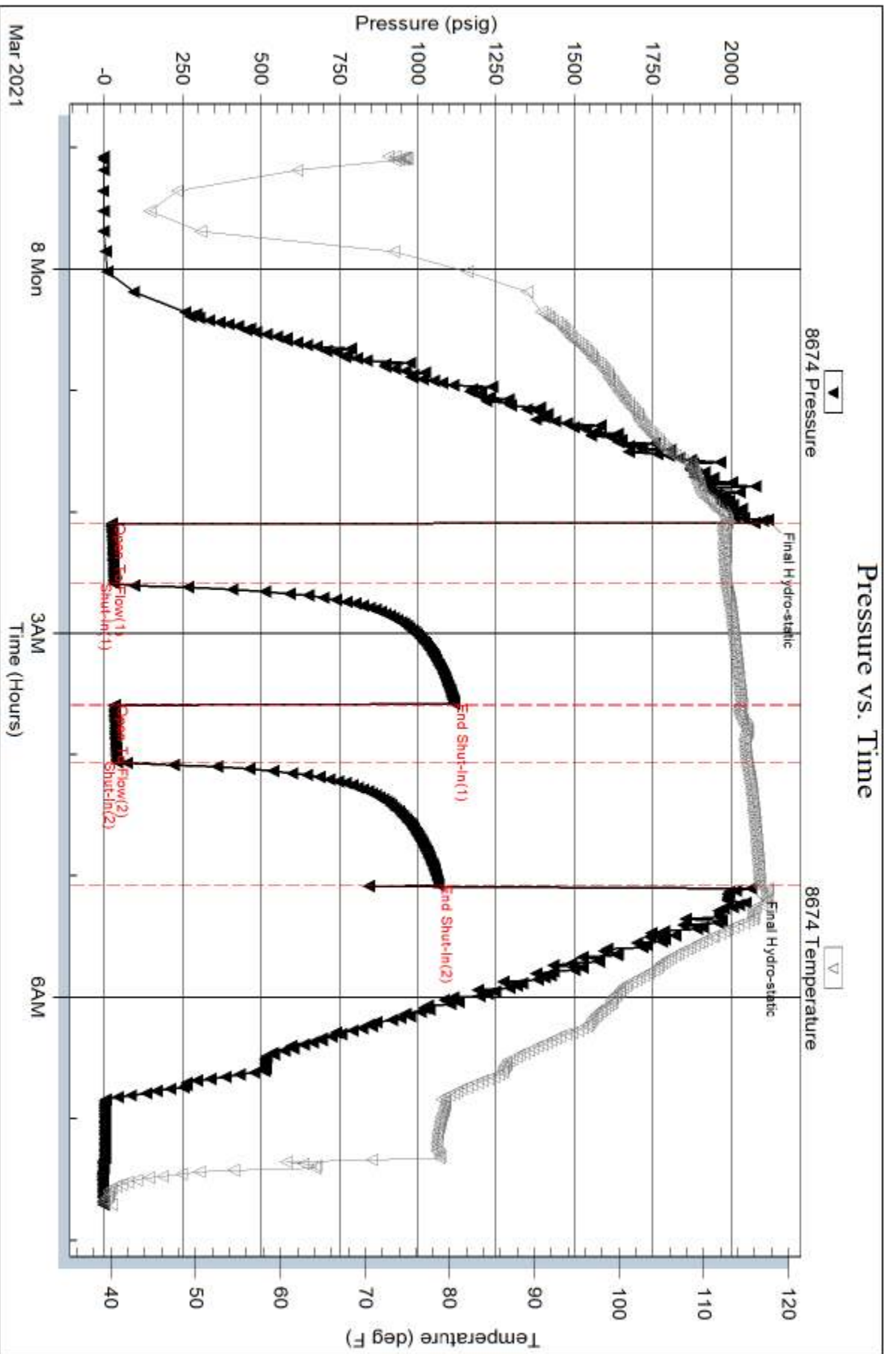
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



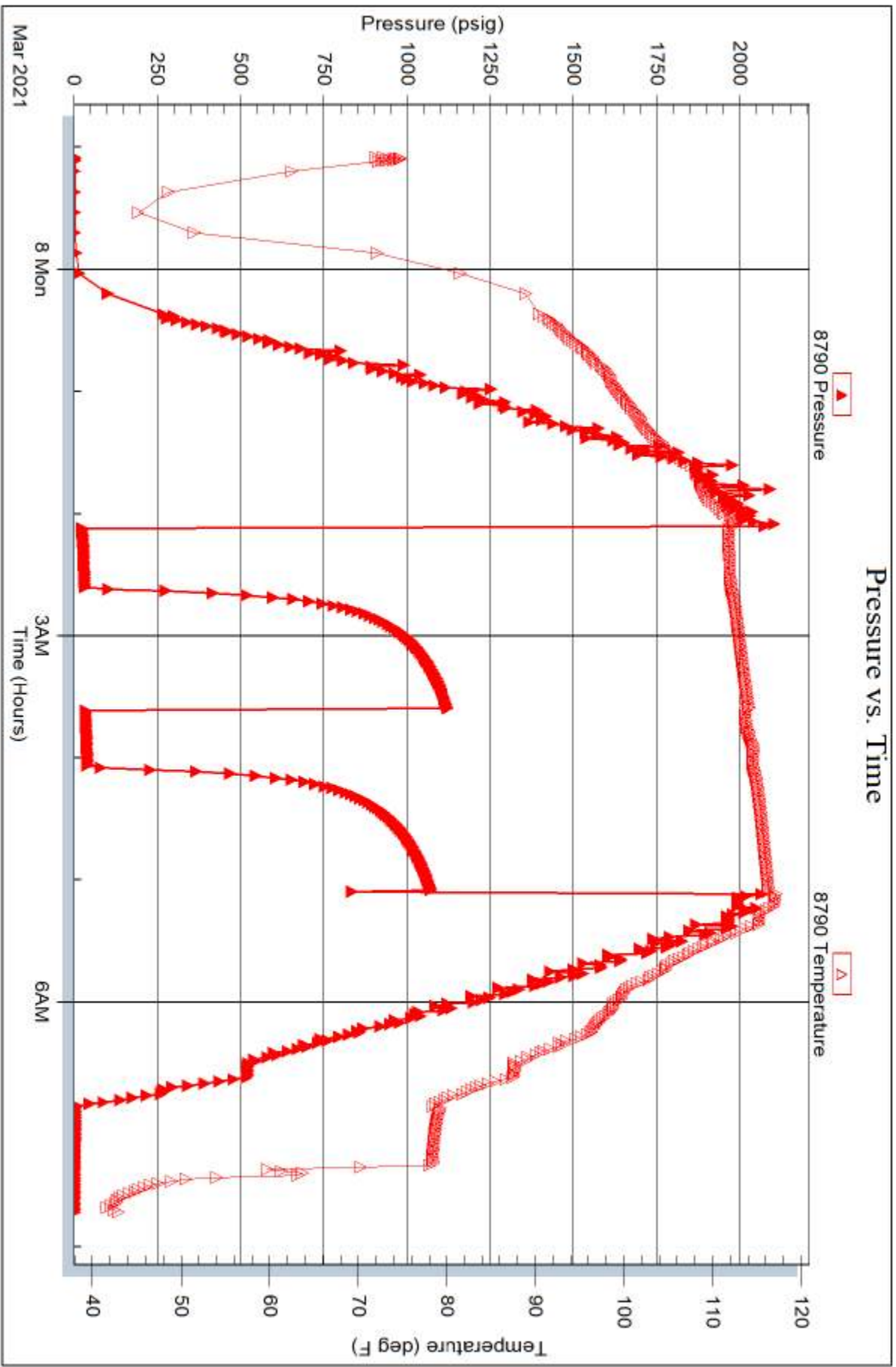
Serial #: 8790

Inside

Thoroughbred Resources

Perry Trust 1-30

DST Test Number: 1





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Thoroughbred Resources
 8100 E 22nd St Ste 600
 Wichita, Ks 67226
 ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks

Perry Trust 1-30

Job Ticket: 66800 **DST#: 2**
 Test Start: 2021.03.09 @ 16:32:19

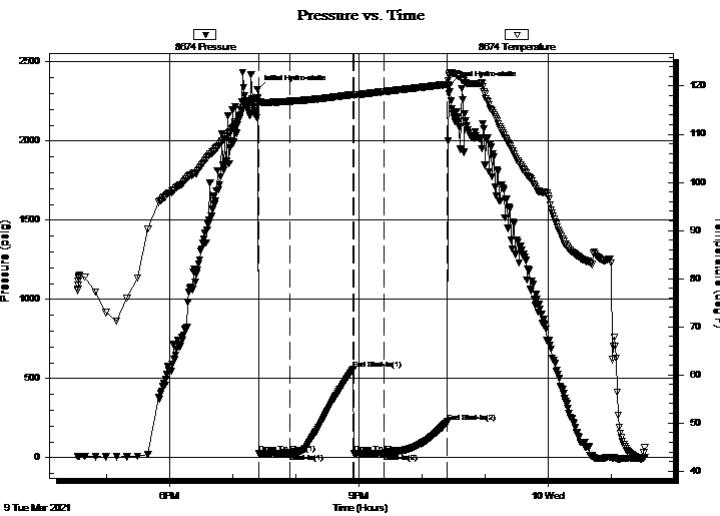
GENERAL INFORMATION:

Formation: **Pawnee Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:24:19
 Time Test Ended: 01:31:49
 Interval: **4512.00 ft (KB) To 4575.00 ft (KB) (TVD)**
 Total Depth: 4575.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3346.00 ft (KB)
 3337.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 28.99 psig @ 4513.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.09 End Date: 2021.03.10 Last Calib.: 2021.03.10
 Start Time: 16:32:24 End Time: 01:31:49 Time On Btm: 2021.03.09 @ 19:23:19
 Time Off Btm: 2021.03.09 @ 22:25:49

TEST COMMENT: IF: 1/2 blow died in 30 min.
 IS: No return.
 FF: No blow.
 FS: No return. 30-60-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2326.63	117.52	Initial Hydro-static
1	27.04	116.53	Open To Flow (1)
31	29.68	116.86	Shut-In(1)
91	559.51	118.26	End Shut-In(1)
92	27.55	118.16	Open To Flow (2)
121	28.99	118.86	Shut-In(2)
181	226.76	120.34	End Shut-In(2)
183	2350.48	122.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Thoroughbred Resources
8100 E 22nd St Ste 600
Wichita, Ks 67226
ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks
Perry Trust 1-30
Job Ticket: 66800 **DST#: 2**
Test Start: 2021.03.09 @ 16:32:19

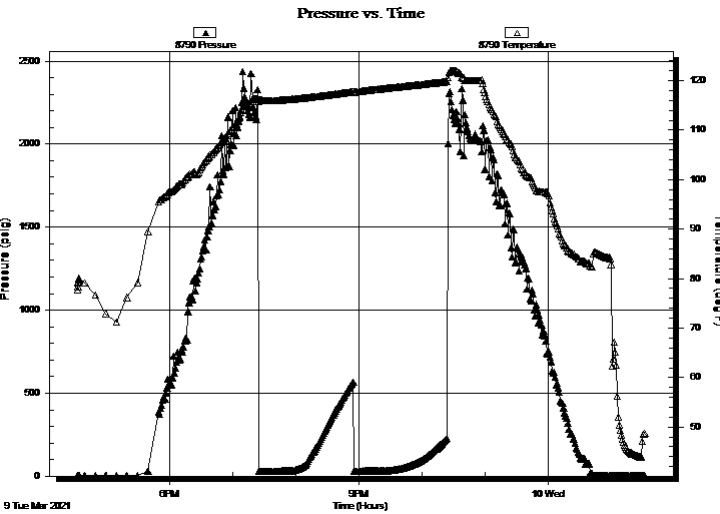
GENERAL INFORMATION:

Formation: **Pawnee Ft Scott**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:24:19 Tester: Brandon Turley
 Time Test Ended: 01:31:49 Unit No: 79

Interval: 4512.00 ft (KB) To 4575.00 ft (KB) (TVD) Reference Elevations: 3346.00 ft (KB)
 Total Depth: 4575.00 ft (KB) (TVD) 3337.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8790 **Inside**
 Press@RunDepth: psig @ 4513.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.03.09 End Date: 2021.03.10 Last Calib.: 2021.03.10
 Start Time: 16:32:47 End Time: 01:32:12 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 1/2 blow died in 30 min.
 IS: No return.
 FF: No blow.
 FS: No return. 30-60-30-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% _m	0.05

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Thoroughbred Resources

30-18s-37w Wichita, Ks

8100 E 22nd St Ste 600
Wichita, Ks 67226

Perry Trust 1-30

Job Ticket: 66800

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.03.09 @ 16:32:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

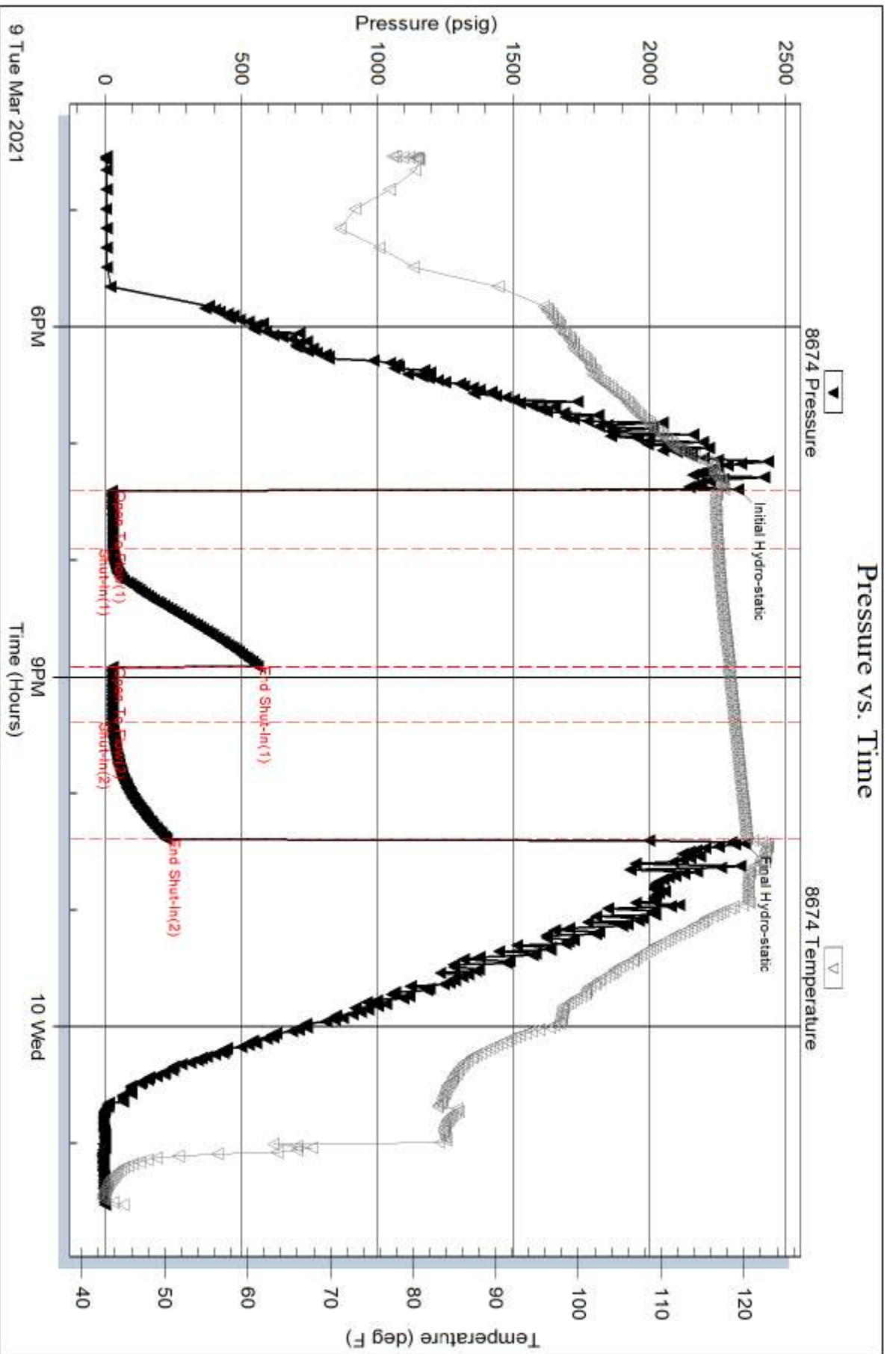
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



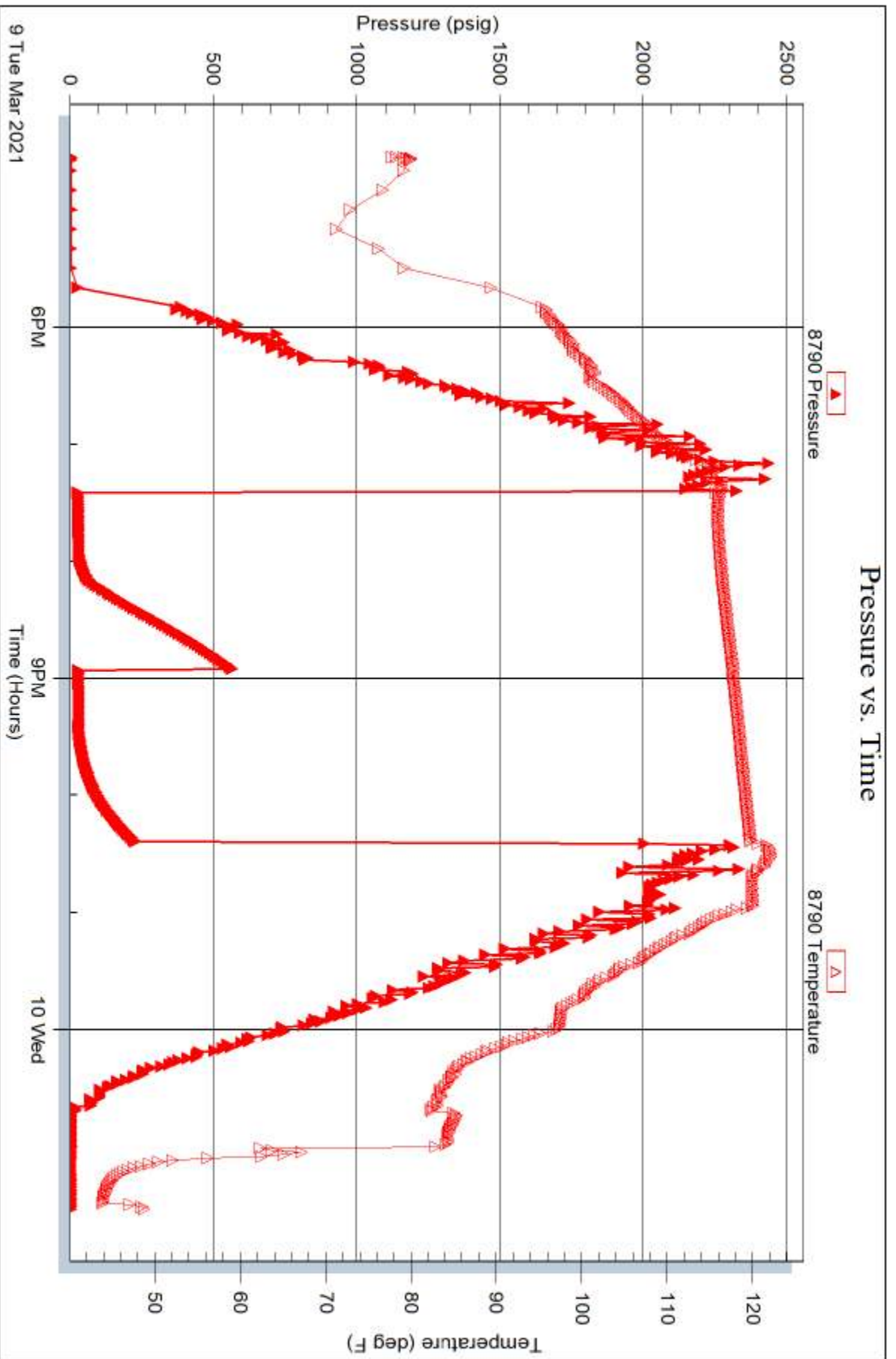
Serial #: 8790

Inside

Thoroughbred Resources

Perry Trust 1-30

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66800

Printed: 2021.03.10 @ 07:12:17

