

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 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	BEREXCO LLC
Well Name	STURGEON "A" 1-25
Doc ID	1518257

All Electric Logs Run

Porosity
Resistivity
Sonic
Microlog



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

25-2s-38w Cheyenne KS
Sturgeon "A" #1-25
Job Ticket: 66543 **DST#: 1**
Test Start: 2020.05.17 @ 02:18:00

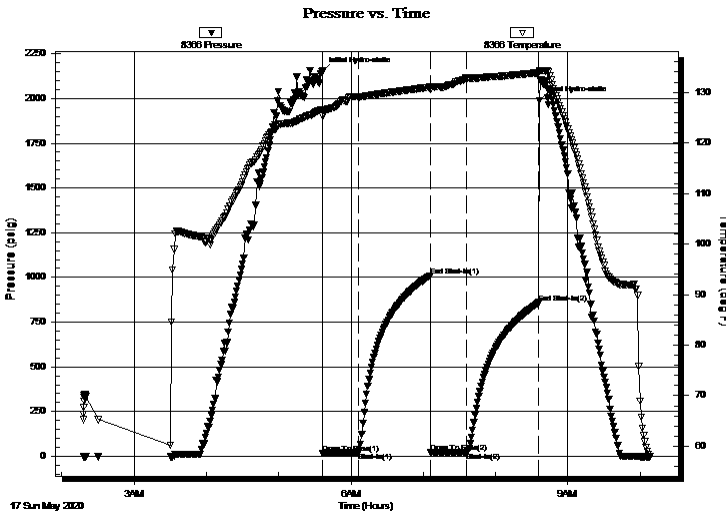
GENERAL INFORMATION:

Formation: **LKC "A - B"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 05:36:40 Tester: Ryan Nichols
Time Test Ended: 10:08:30 Unit No: 71
Interval: 4240.00 ft (KB) To 4380.00 ft (KB) (TVD) Reference Elevations: 3370.00 ft (KB)
Total Depth: 4380.00 ft (KB) (TVD) 3361.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8366 Outside
Press@RunDepth: 24.00 psig @ 4241.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2020.05.17 End Date: 2020.05.17 Last Calib.: 2020.05.17
Start Time: 02:18:01 End Time: 10:08:30 Time On Btm: 2020.05.17 @ 05:36:30
Time Off Btm: 2020.05.17 @ 08:36:20

TEST COMMENT: 30 IF - 1/2" blow built to 2"
60 ISI - No return
30 FF - No blow
60 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2152.65	126.28	Initial Hydro-static
1	17.87	125.28	Open To Flow (1)
30	19.76	129.08	Shut-In(1)
90	1009.65	131.03	End Shut-In(1)
90	21.17	130.58	Open To Flow (2)
119	24.00	132.78	Shut-In(2)
180	858.58	133.86	End Shut-In(2)
180	1987.25	134.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

25-2s-38w Cheyenne KS
Sturgeon "A" #1-25
Job Ticket: 66543 **DST#: 1**
Test Start: 2020.05.17 @ 02:18:00

Mud and Cushion Information

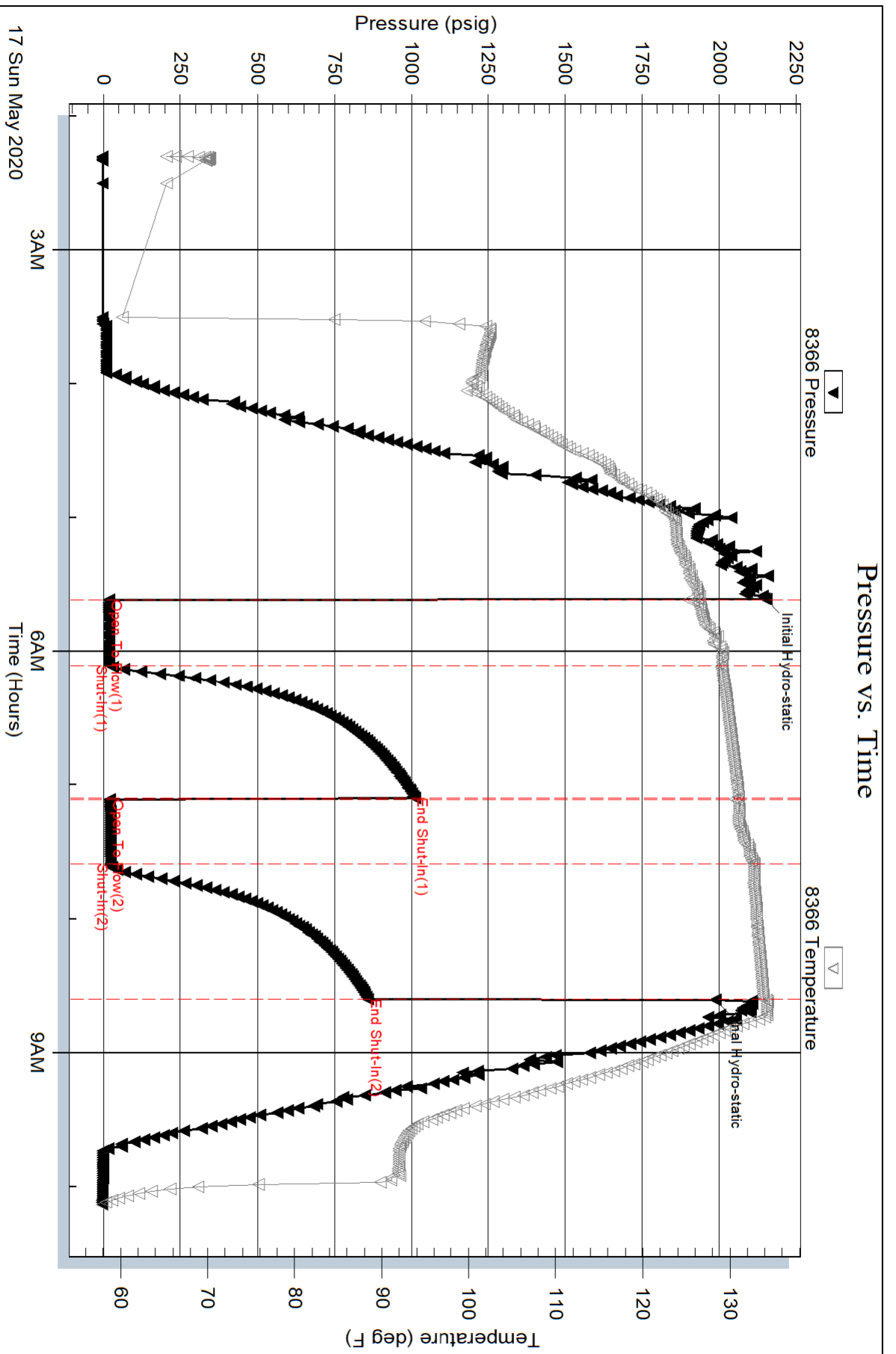
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



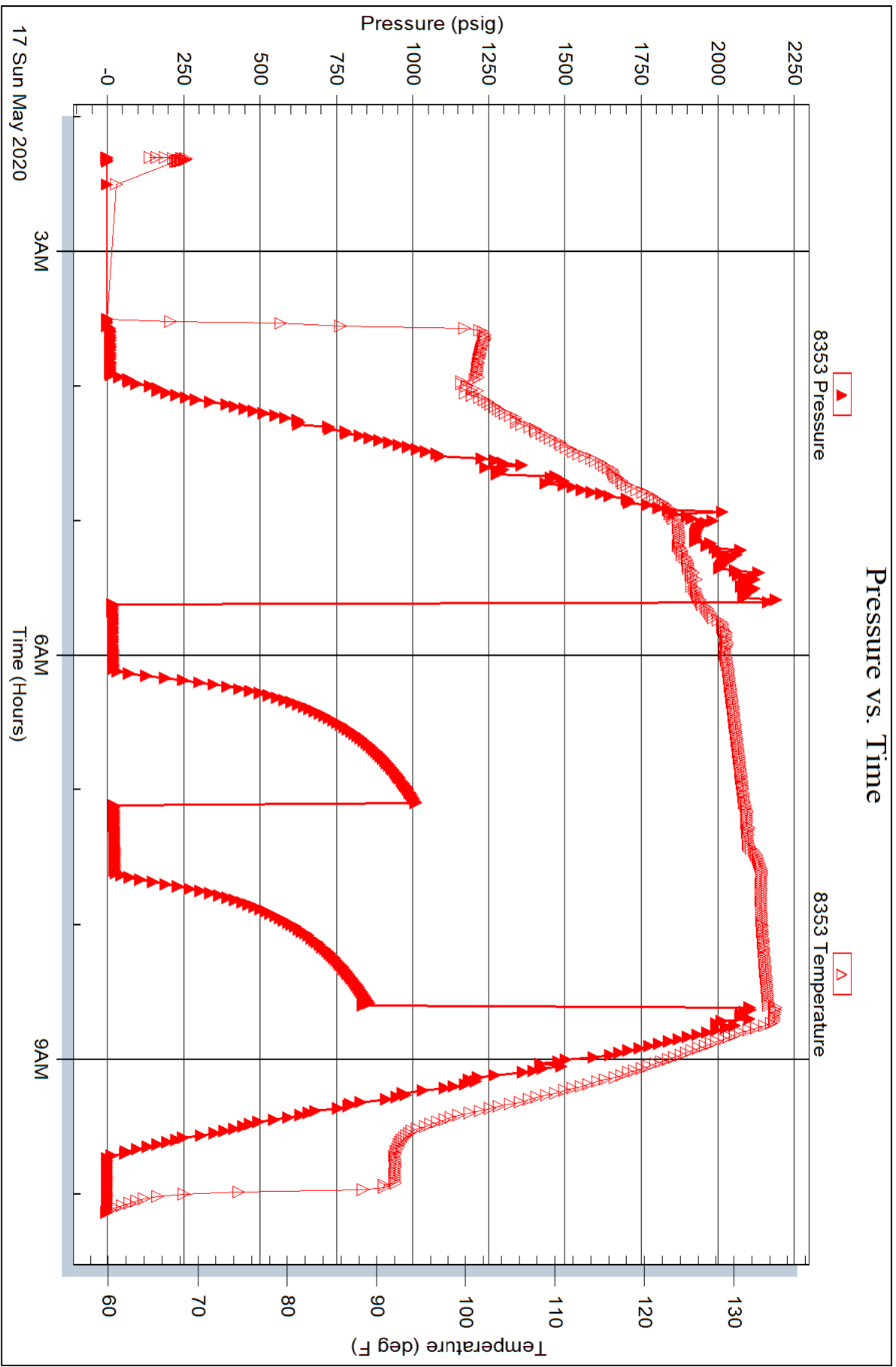
Serial #: 8353

Inside

Berexco LLC

Surgeon "A" #1-25

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206
 ATTN: Bryan Bynog

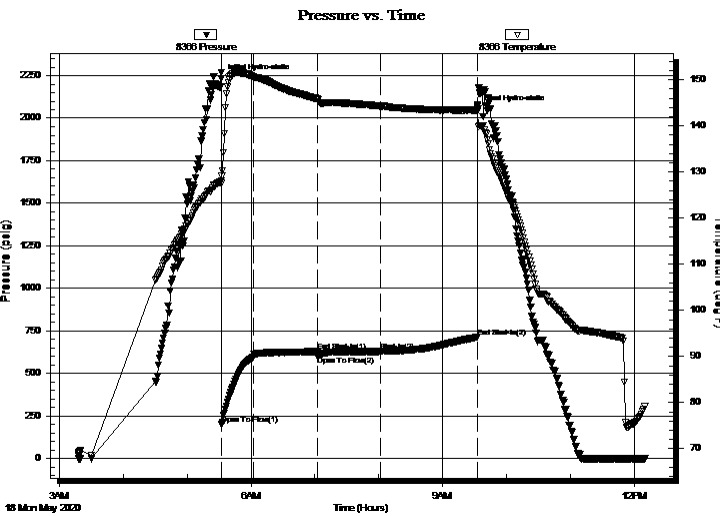
25-2s-38w Cheyenne KS
Sturgeon "A" #1-25
 Job Ticket: 66544 **DST#: 2**
 Test Start: 2020.05.18 @ 03:18:00

GENERAL INFORMATION:

Formation: **LKC "C- E"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 05:32:40 Tester: Ryan Nichols
 Time Test Ended: 12:10:00 Unit No: 71
 Interval: **4360.00 ft (KB) To 4527.00 ft (KB) (TVD)** Reference Elevations: 3370.00 ft (KB)
 Total Depth: 4380.00 ft (KB) (TVD) 3361.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8366 Outside
 Press@RunDepth: 628.69 psig @ 4361.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.05.18 End Date: 2020.05.18 Last Calib.: 2020.05.18
 Start Time: 03:18:01 End Time: 12:10:00 Time On Btm: 2020.05.18 @ 05:32:20
 Time Off Btm: 2020.05.18 @ 09:32:40

TEST COMMENT: 30 IF - BoB @ 1 1/2 mins
 60 ISI - No return
 60 FF - Blow started @ 2 mins built to 5"
 90 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.99	128.12	Initial Hydro-static
1	199.80	129.04	Open To Flow (1)
30	594.89	150.49	Shut-In(1)
90	627.73	145.83	End Shut-In(1)
91	601.71	145.80	Open To Flow (2)
150	628.69	144.30	Shut-In(2)
241	715.04	143.33	End Shut-In(2)
241	2052.29	144.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	VSOCWM - 3%o - 32%W - 65%M	0.88
1011.00	VSOCMW - 3%o - 5%M - 92%W	14.18
252.00	VSOCMW - 3%o - 40%M - 57%W	3.53
194.00	VSOCMW - 3%o - 30%W - 67%M	2.72

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

25-2s-38w Cheyenne KS
Sturgeon "A" #1-25
Job Ticket: 66544 **DST#: 2**
Test Start: 2020.05.18 @ 03:18:00

Mud and Cushion Information

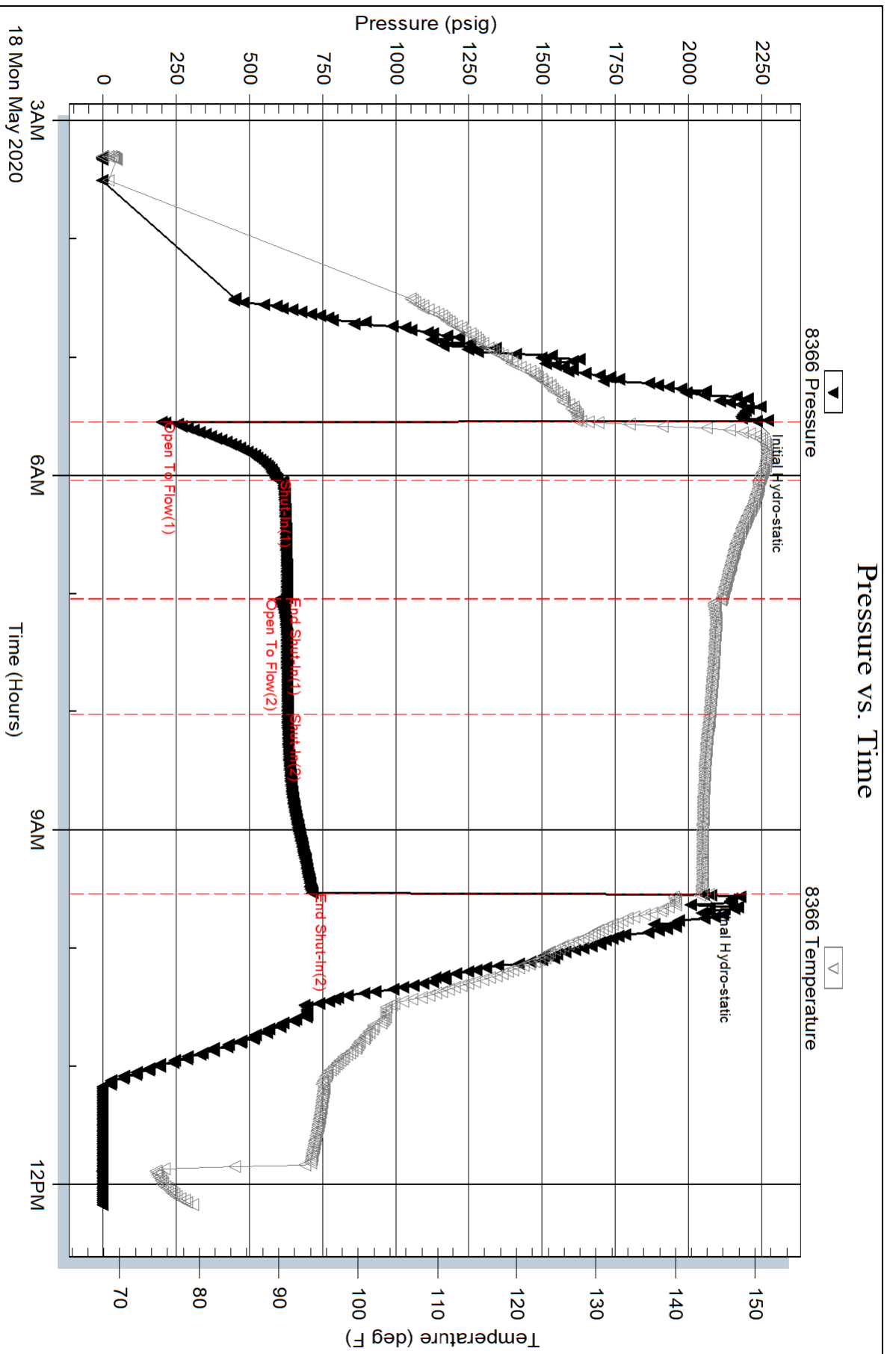
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume:		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		psig
Salinity: 600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	VSOCWM - 3%o - 32%W - 65%M	0.884
1011.00	VSOCMW - 3%o - 5%M - 92%W	14.182
252.00	VSOCMW - 3%o - 40%M - 57%W	3.535
194.00	VSOCMW - 3%o - 30%W - 67%M	2.721

Total Length: 1520.00 ft Total Volume: 21.322 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW = .348 @ 66 DEG F
CHLORIDES = 20,000 pp



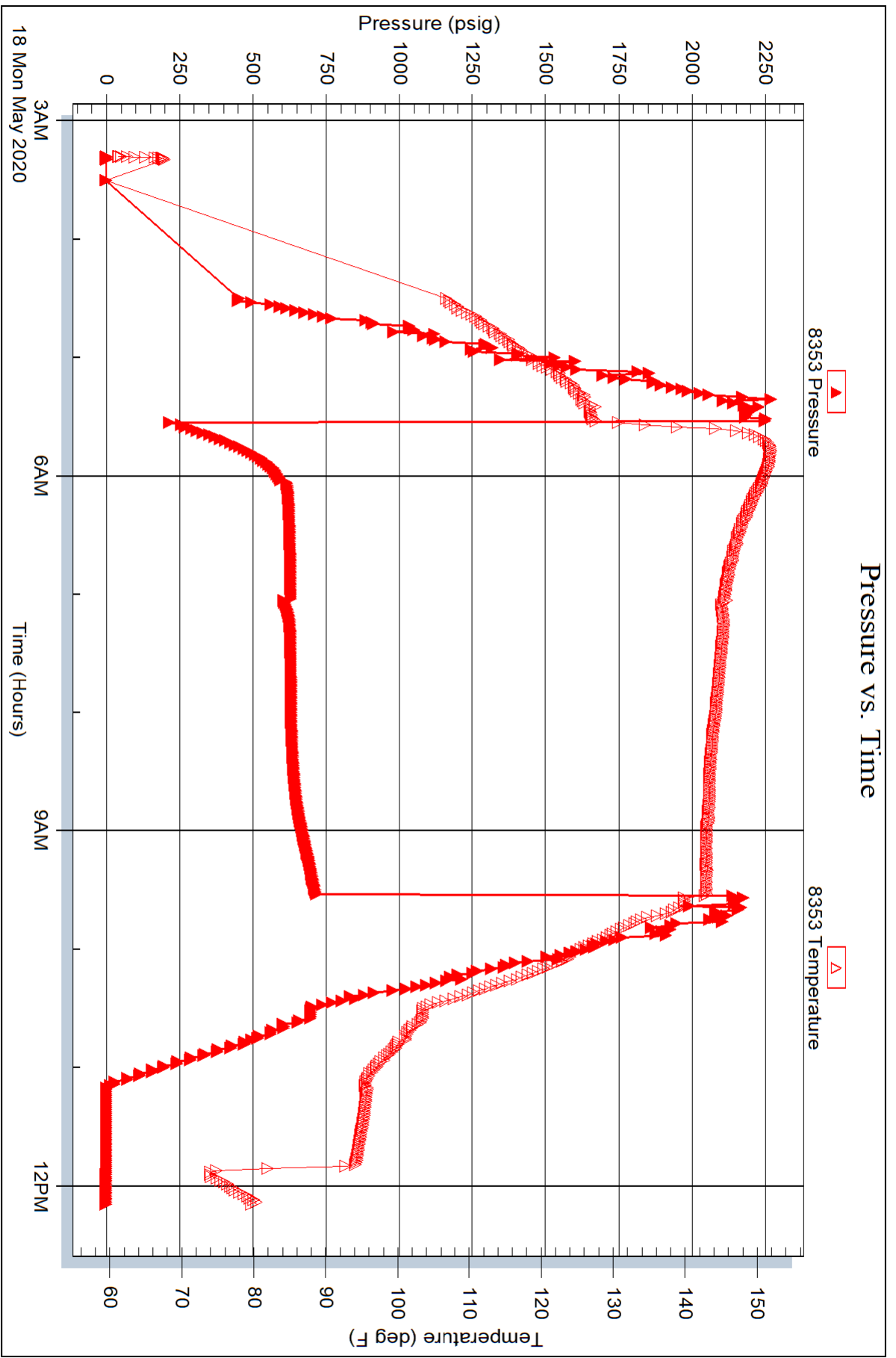
Serial #: 8353

Inside

Berexco LLC

Surgeon "A" #1-25

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Bryan Bynog

25-2s-38w Cheyenne KS
Sturgeon "A" #1-25
Job Ticket: 66545 **DST#: 3**
Test Start: 2020.05.19 @ 21:15:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%M	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

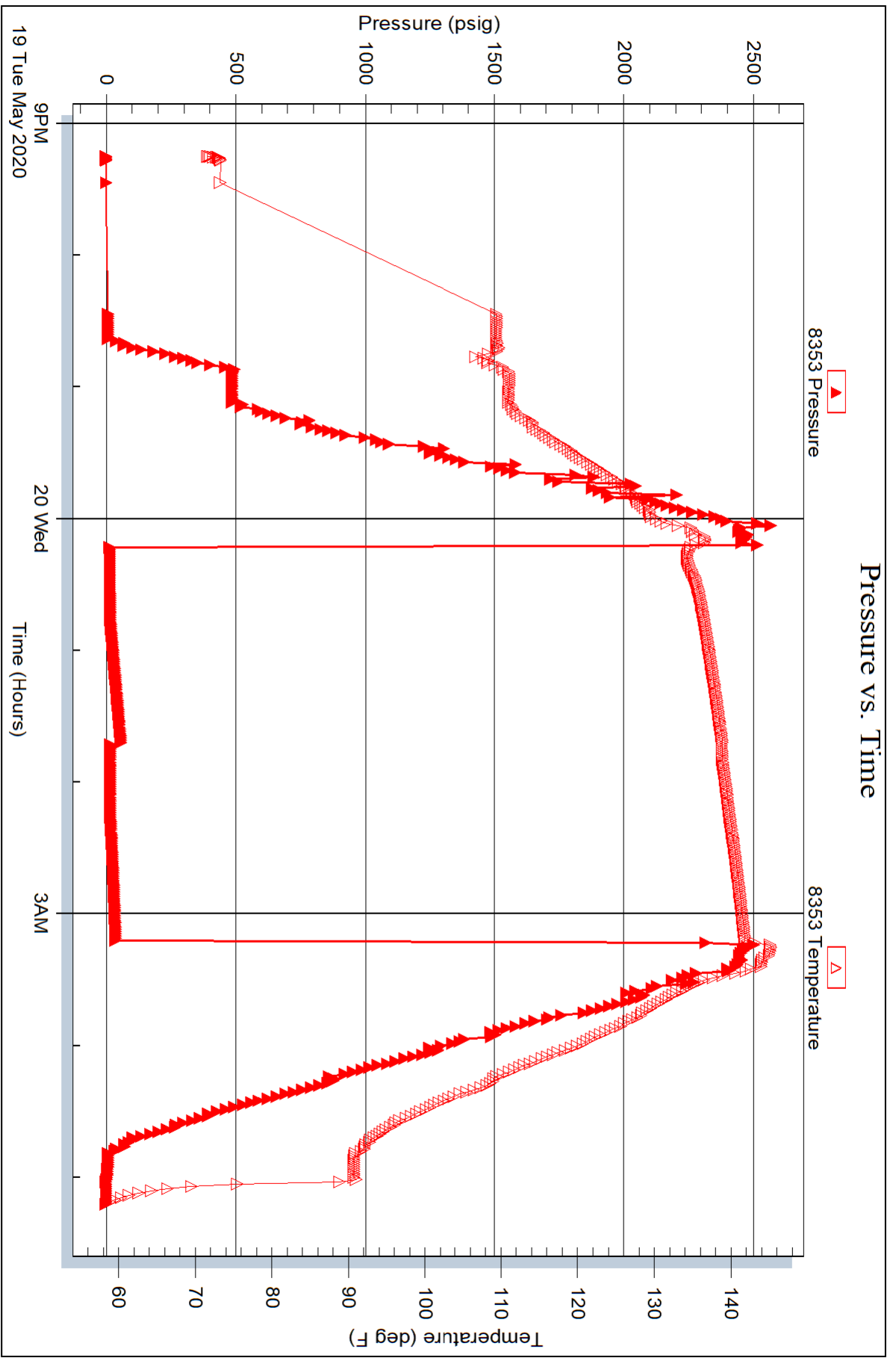
Serial #: 8353

Inside

Berexco LLC

Surgeon "A" #1-25

DST Test Number: 3



LITHOLOGY STRIP LOG

WellSight Systems

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

Measured Depth Log

Well Name: STURGEON 'A' #1-25

Well Id:

Location: SENENW 25-2S-38W CHEYENNE COUNTY, KANSAS

License Number: 15-023-21536

Region: MID-CONTINENT

Spud Date: 5-12-2020

Drilling Completed: 5-21-2020

Surface Coordinates: 330' FSL & 1320' FEL

Bottom Hole

Coordinates:

Ground Elevation (ft): 3372

K.B. Elevation (ft): 3380

Logged Interval (ft): 3600

To: 4980

Total Depth (ft): 4980

Formation: LKC, PAWNEE, FT SCOTT & CHEROKEE

Type of Drilling Fluid: WBM

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

OPERATOR

Company: BEREXCO, LLC.

Address: 2020 N. Bramblewood
Wichita, Kansas 67206

GEOLOGIST

Name: William B. Bynog

Company:

Address: P.O.Box 687
Pinecliffe, Co. 80471

Surveys

DEPTH	ANGLE	FORMATION TOPS
327'	.50	
3590'	.75	

DSTs

DST#1 4240-4380, DST#2 4360-4527', DST#3 44750-4830

Remarks

ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst

- Coal
- Congl
- Dol
- Gyp
- Igne

- Lmst
- Meta
- Mrlst
- Salt
- Shale

- Shcol
- Shgy
- Sltst
- Ss
- Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymn
- Kaol
- Marl

- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral

- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol

- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOW

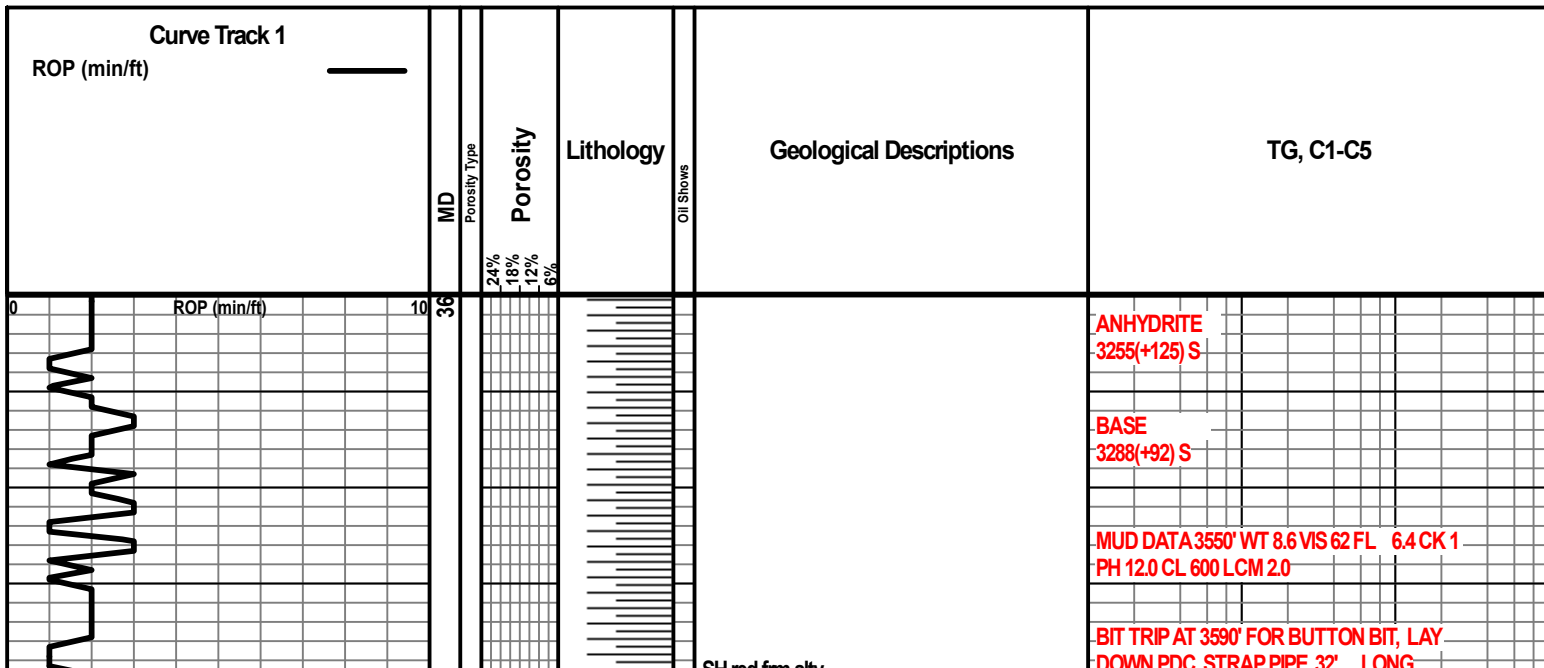
- Even
- Spotted
- Ques
- Dead

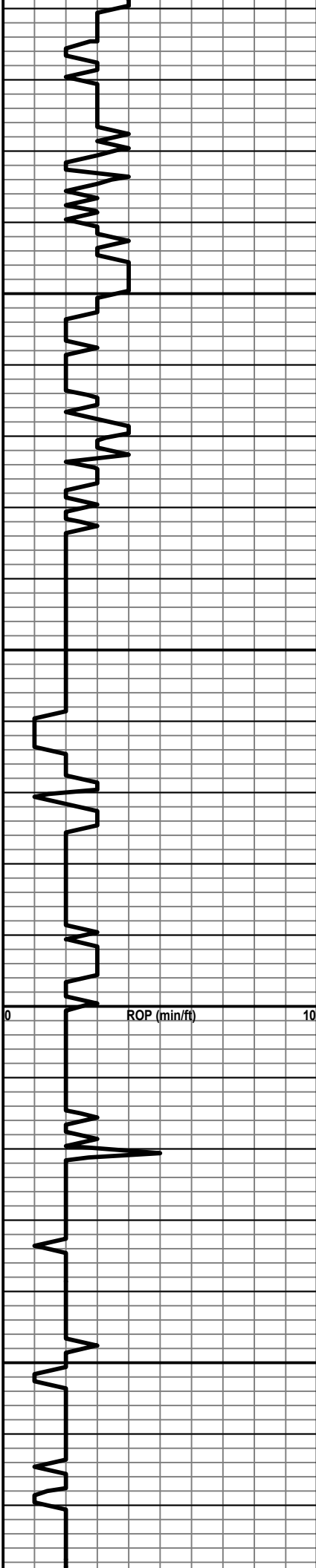
INTERVAL

- Dst
- Dst mis-run

EVENT

- Rft
- Sidewall



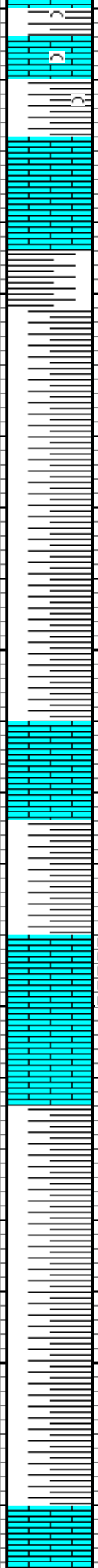


3900

3950

4000

4050



SH gy,gn,fm,foss with thin LS
gy,hd,foss,dirty,p por,ns

LS pale gy,fm,sbchky-chky,p por,ns

SH gy,hd,foss

SH red,v sft,v arg,gummy

LS wh-pale gy,fm,v chky,p por,ns

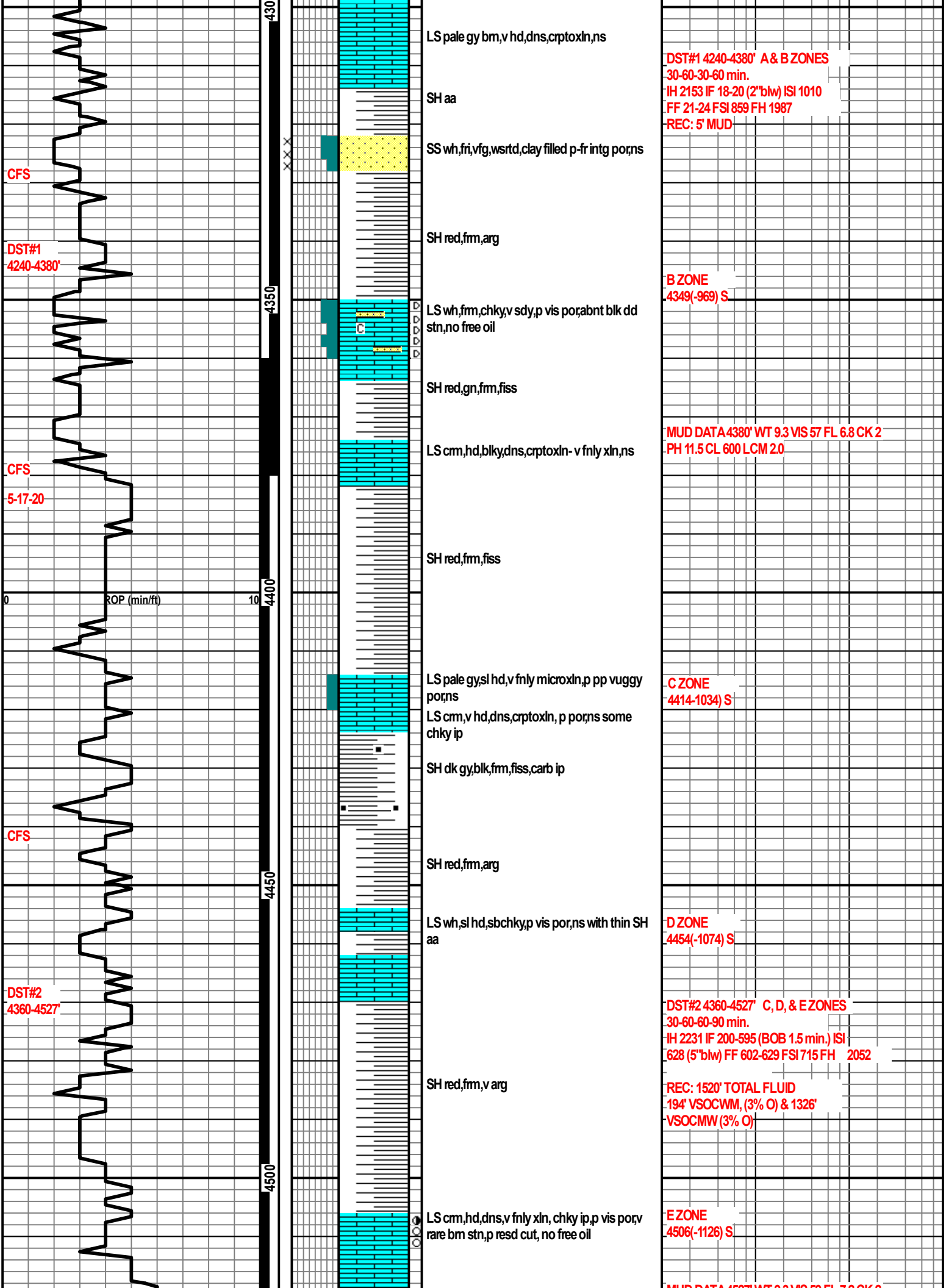
SH aa red,sft,arg

LS wh-pale gy,sbchky-chky,foss ip,rare blk dd
stn,no free oil

LS aa chky,ns with thin bedded SH aa

SH red,gn,blk,fm,fiss

TOPEKA
4070(-690) S



CFS

DST#1
4240-4380'

CFS
5-17-20

ROP (min/ft)

CFS

DST#2
4360-4527'

LS pale gy bm, v hd, dns, crptoxln, ns

SH aa

SS wh, fri, vfg, wsrtd, clay filled p-fr intg porns

SH red, fm, arg

LS wh, fm, chky, v sdy, p vis por, abnt blk dd stn, no free oil

SH red, gn, fm, fiss

LS cm, hd, blk, dns, crptoxln - v fnly xln, ns

SH red, fm, fiss

LS pale gysl hd, v fnly microxln, p pp vuggy porns

LS cm, v hd, dns, crptoxln, p por, ns some chky ip

SH dk gy, blk, fm, fiss, carb ip

SH red, fm, arg

LS wh, sl hd, sbchky, p vis por, ns with thin SH aa

SH red, fm, v arg

LS cm, hd, dns, v fnly xln, chky ip, p vis por, rare bm stn, p resd cut, no free oil

DST#1 4240-4380' A & B ZONES
30-60-30-60 min.
IH 2153 IF 18-20 (2"blw) ISI 1010
FF 21-24 FSI 859 FH 1987
REC: 5' MUD

B ZONE
4349(-969) S

MUD DATA 4380' WT 9.3 VIS 57 FL 6.8 CK 2
PH 11.5 CL 600 LCM 2.0

C ZONE
4414-1034) S

D ZONE
4454(-1074) S

DST#2 4360-4527' C, D, & E ZONES
30-60-60-90 min.
IH 2231 IF 200-595 (BOB 1.5 min.) ISI
628 (5"blw) FF 602-629 FSI 715 FH 2052

REC: 1520' TOTAL FLUID
194' VSOCMW, (3% O) & 1326'
VSOCMW (3% O)

E ZONE
4506(-1126) S

MUD DATA 4500' WT 9.3 VIS 59 FL 7.0 CK 2

CFS
5-18-2020

ROP (min/ft)

CFS

CFS
5-19-20

4550

4600

4650

4700

SH gn, fm, fiss, arg

SH red, fm, v sdy ip

LS cm, hd, blk, dns, p por, ns

SH red, fm, fiss with thin bedded LS aa

SH dk gy, blk, sl carb

SH red, gn, sft, v arg

LS wh, cm, fm-sl hd, chky- sbchky, p vis por, ns

SH gy, blk, fm, fiss

LS cm, v hd, dns, cpto xn, ns

LS cm, hd, dns, sdy ip, p por, ns

SH red, gn, gy, fm, fiss

LS cm, hd, dns, cpto- v fnlv, xn p por, ns

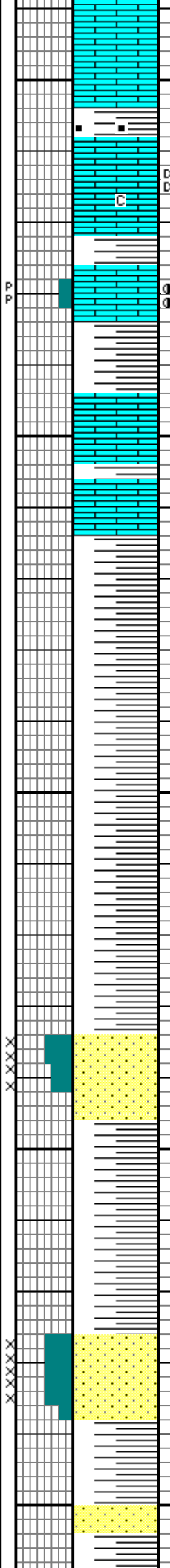
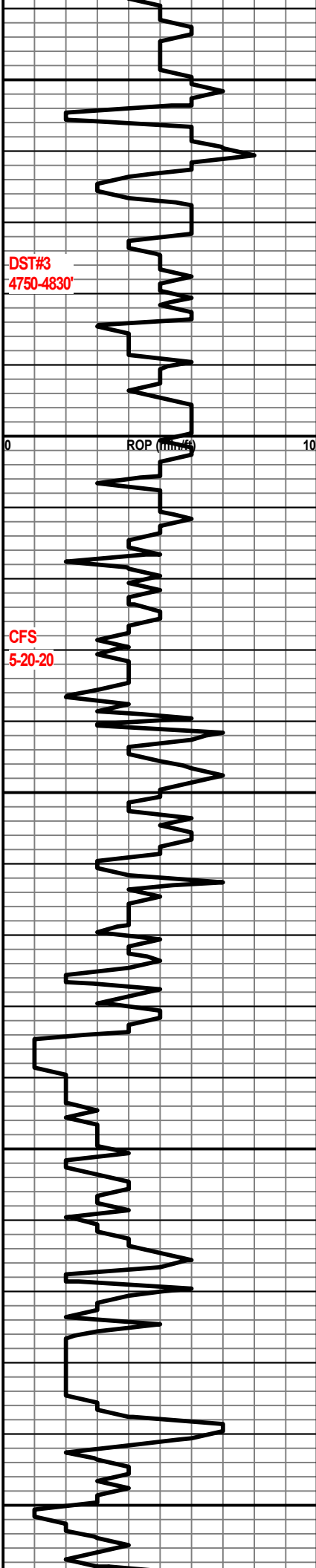
MUD DATA 452' WT 9.3 VIS 59 FL 7.2 CK 2
PH 11.5 CL 600 LCM 1.0

F ZONE
4542(-1162) S

PAWNEE
4664(-1284) S

FT SCOTT
4704(-1324) S

MUD DATA 4720' WT 9.5 VIS 79 FL 7.2 CK 2
PH 11.5 CL 600 LCM 2.0



SH rd,gn,blk,frm,fiss some carb with thin LS aa

LS cm-buff,hd,blky,dns, crptoxln,ns abnt chky with rare blk dd stn,no free oil thin SH partings

LS cm,v hd,dns,aa some sl chky with p pp por;rare bm stn,fr cut,no free oil

SH aa

LS cm-pale gyv hd,dns, crptoxln,p por,ns

SH aa some blk,carb

SS wh,fr,f-m grsrted,gd intg por,ns

SH aa

SS wh,fr,fg,wsrted,gd por,ns

SH aa with thin SS tmsl,fr,m-c grp srted,gd por,ns

CHEROKEE
4776(-1396) S

DST#3 4750-4830' CHEROKEE ZONE
30-60-30-60 min.
IH 2517 IF 14-15 (.25" blw) ISI 56 FF
15-15 FSI 35 FH 2399
REC: 5' MUD

MUD DATA 4830' WT 9.5 VIS 95 FL 7.6 CK 2
PH 11.0 CL 600 LCM 1.0

5-21-2020



ROP (min/ft)

0 10 5000

5000

5050

5100

5150

RTD 498'



