

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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PRESSURE PUMPING LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 55189

LOCATION Oakley Ks

FOREMAN Walt Dinkel

Invoice # 813371 Ks

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
6-7-18	1709	Park University #217	17	25	37W	Cherokee	
CUSTOMER		Mailing Address		TRUCK #	DRIVER	TRUCK #	DRIVER
Borex Co Inc		220 N. Bramblewood Street		731	Cory Davis		
CITY		STATE	ZIP CODE	530-7129	Neil White		
Wichita		KS	67206				

JOB TYPE Sur Face HOLE SIZE 12 1/4 HOLE DEPTH 331 CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 331' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 19 3/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 BPM

REMARKS: Surf, Meeting, rig up on Boreco #10, Cite casing on bottom
mix 300 sks com 3%CC-2%ALU, Displace 19 3/4 BBL H2O, Shut in
Cement Dred Civil
Approx 4 BBL to Pit

Thank You
Walt & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Ceo 471	1	PUMP CHARGE	1,150.00	1,150.00
Ceo 002	70	MILEAGE	7.15	500.50
Ceo 710	14.1	Ton Mileage Delivery	125	1,727.50
CC5871	300 sks	Sur Face Blend II	24.00	7,200.00
				10,578.00
		Less 35% Disc		3,702.30
				6,875.70
		SALES TAX		397.80
		ESTIMATED TOTAL		7,273.57

AUTHORIZATION Walt Brown TITLE Tool Pusher DATE 6/07/2018

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



PRESSURE PUMPING LLC
 PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8876

SM-10931
 PO-17053
 FT-10825

No. 0585 P. 11
 TICKET NUMBER 55210
 LOCATION Oakley Ks
 FOREMAN Jerry X

FIELD TICKET & TREATMENT REPORT
 CEMENT

Invoice # 813448

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-18-18	1707	Park University 2-17	17	25	37W	Cherokee
CUSTOMER			Bim City E to 3D			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
2020 N. Bramblewood Street			731	Corey D		
CITY			70	Nest W		
STATE			assist	Corey W		
ZIP CODE			17	Jerry X		
Wichita, KS 67206						
JOB TYPE	Plug	HOLE SIZE	7 7/8	HOLE DEPTH	4900	CASING SIZE & WEIGHT
CASING DEPTH		DRILL PIPE	4 1/2	TUBING		OTHER
SLURRY WEIGHT	13.8	SLURRY VOL	1.42	WATER gal/sk		CEMENT LEFT in CASING
DISPLACEMENT		DISPLACEMENT PSI		MIX PSI		RATE
REMARKS: Safety meeting & rig up on Borexco Rig 2 plug as ordered with 255 sks						
60/40 4 1/2" 14# Flu. per sack						
50 sks @ 3500'						
100 sks @ 2500'						
50 sks @ 375'						
10 sks @ 40' with 8 5/8" wiper plug						
15 sks MH 30 R h						
						Thank you Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900.00	1900.00
CE0002	70	MILEAGE	7.15	500.50
CE0710	10.97	ton mileage delivery	1.75	1343.83
CC5829	255 sks	lifeblend II	16.00	4080.00
CC6075	64 #	Flu. seal	3.00	192.00
CP 8228	1	8 5/8" wooden plug	165.00	165.00
			Subtotal	8181.33
			-3.5%	2863.47
			Subtotal	5317.86
			8.5%	SALES TAX 245.14
			ESTIMATED TOTAL	5,563.01

AUTHORIZATION Wade Brown TITLE Tool Pusher DATE 6/18/2018

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brexeco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

ATTN: Bryan Bynog

Job Ticket: 63225

DST#: 1

Test Start: 2018.06.12 @ 01:45:00

GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:23:31

Time Test Ended: 15:30:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 4230.00 ft (KB) To 4320.00 ft (KB) (TVD)

Reference Elevations: 3363.00 ft (KB)

Total Depth: 4320.00 ft (KB) (TVD)

3353.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400 Outside

Press@RunDepth: 31.53 psig @ 4231.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.06.12

End Date:

2018.06.12

Last Calib.:

2018.06.12

Start Time: 01:45:01

End Time:

15:29:46

Time On Btm:

2018.06.12 @ 10:23:16

Time Off Btm:

2018.06.12 @ 13:24:46

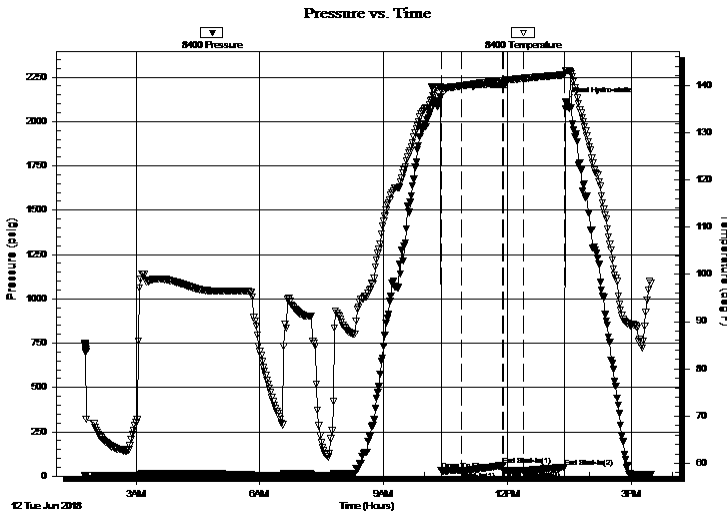
TEST COMMENT: 30-IFP- 1/2in. Blow Died Back in 12min. Dead in 22min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.00	139.79	Initial Hydro-static
1	31.19	138.85	Open To Flow (1)
31	29.81	139.92	Shut-In(1)
91	59.07	141.04	End Shut-In(1)
91	31.11	141.03	Open To Flow (2)
121	31.53	141.49	Shut-In(2)
180	49.86	142.26	End Shut-In(2)
182	2111.47	143.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brexeco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

Job Ticket: 63225

DST#: 1

ATTN: Bryan Bynog

Test Start: 2018.06.12 @ 01:45:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud 100%	0.020

Total Length: 4.00 ft Total Volume: 0.020 bbl

Num Fluid Samples: 0

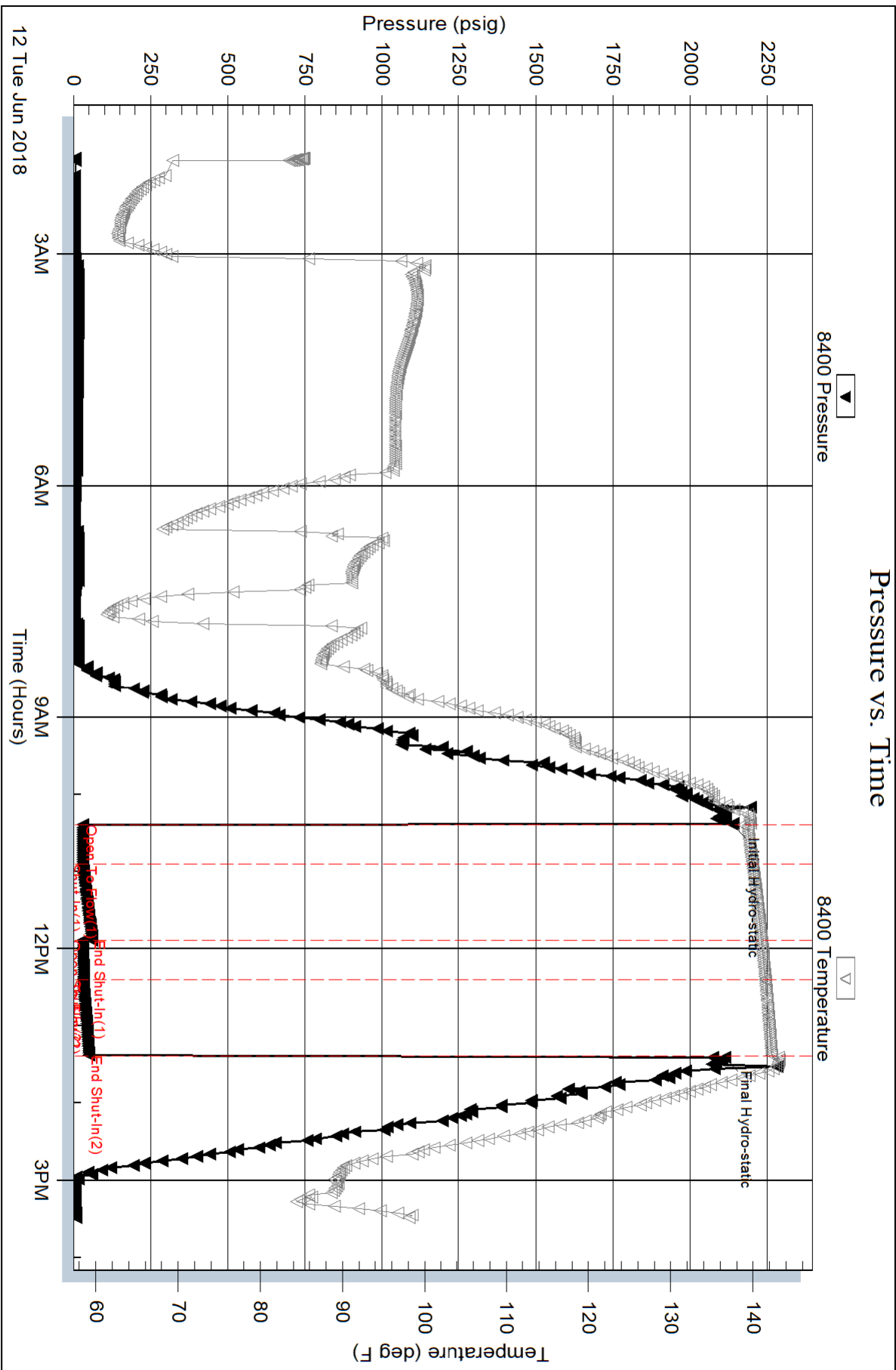
Num Gas Bombs: 0

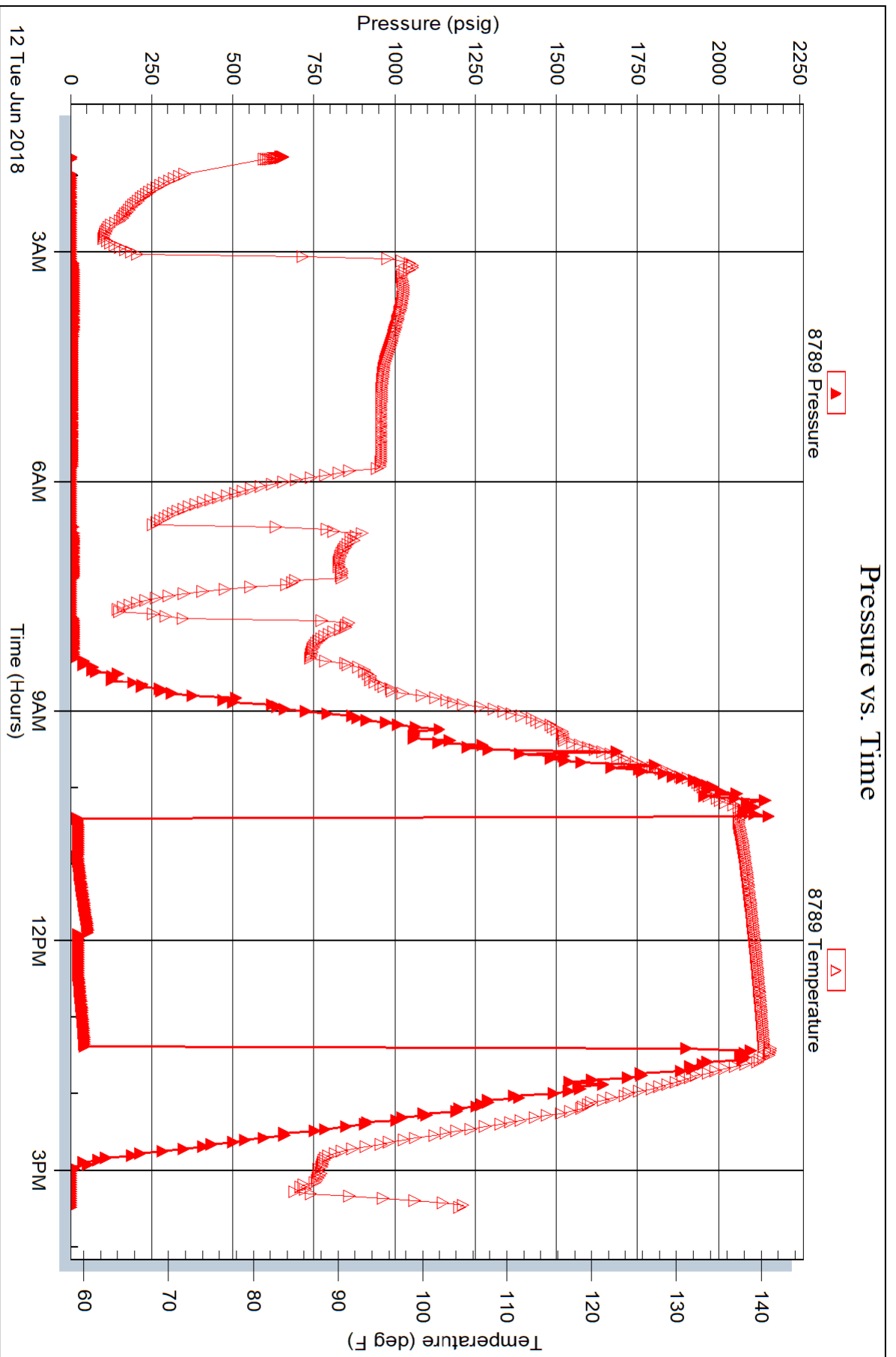
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

ATTN: Bryan Bynog

Job Ticket: 63726

DST#: 2

Test Start: 2018.06.13 @ 07:07:00

GENERAL INFORMATION:

Formation: **LKC " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:08:01

Time Test Ended: 15:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4300.00 ft (KB) To 4380.00 ft (KB) (TVD)

Reference Elevations: 3363.00 ft (KB)

Total Depth: 4320.00 ft (KB) (TVD)

3353.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400 Outside

Press@RunDepth: 38.78 psig @ 4301.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.06.13

End Date: 2018.06.13

Last Calib.: 2018.06.13

Start Time: 07:07:01

End Time: 15:30:01

Time On Btm: 2018.06.13 @ 10:07:46

Time Off Btm: 2018.06.13 @ 11:37:16

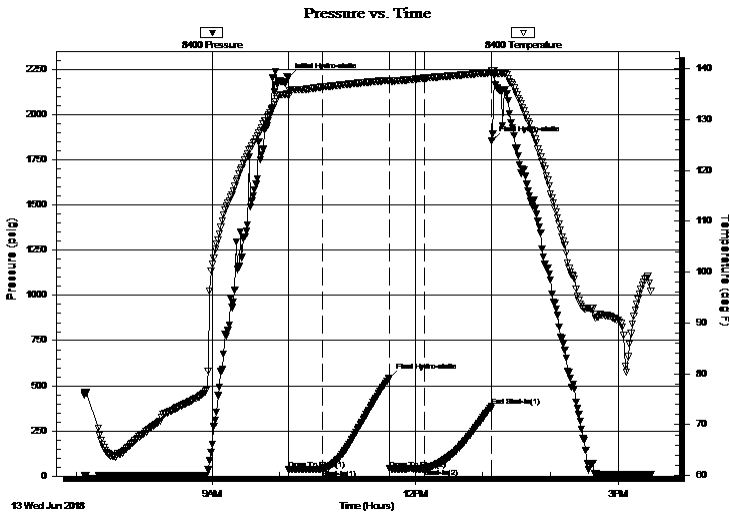
TEST COMMENT: 30-IFP- Surface Blow Building to 1in. Died Back in 20min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.50	134.93	Initial Hydro-static
1	36.32	134.66	Open To Flow (1)
31	38.78	136.38	Shut-In(1)
90	541.20	137.69	Final Hydro-static
90	40.11	137.52	Open To Flow (2)
121	40.77	138.11	Shut-In(2)
180	385.28	139.19	End Shut-In(1)
181	1857.12	139.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% Show of Oil in Tool	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

Job Ticket: 63726

DST#: 2

ATTN: Bryan Bynog

Test Start: 2018.06.13 @ 07:07:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100% Show of Oil in Tool	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

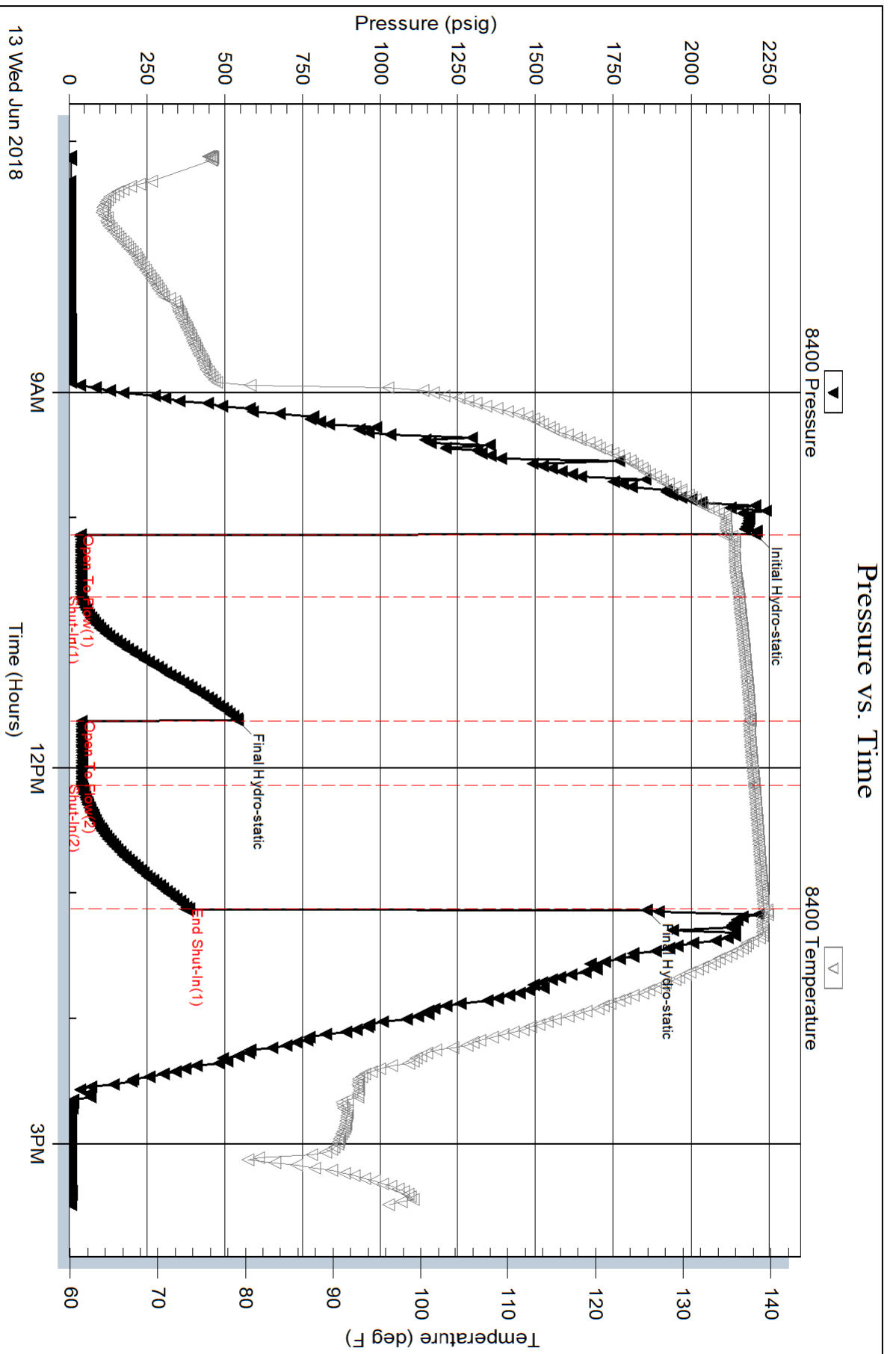
Num Gas Bombs: 0

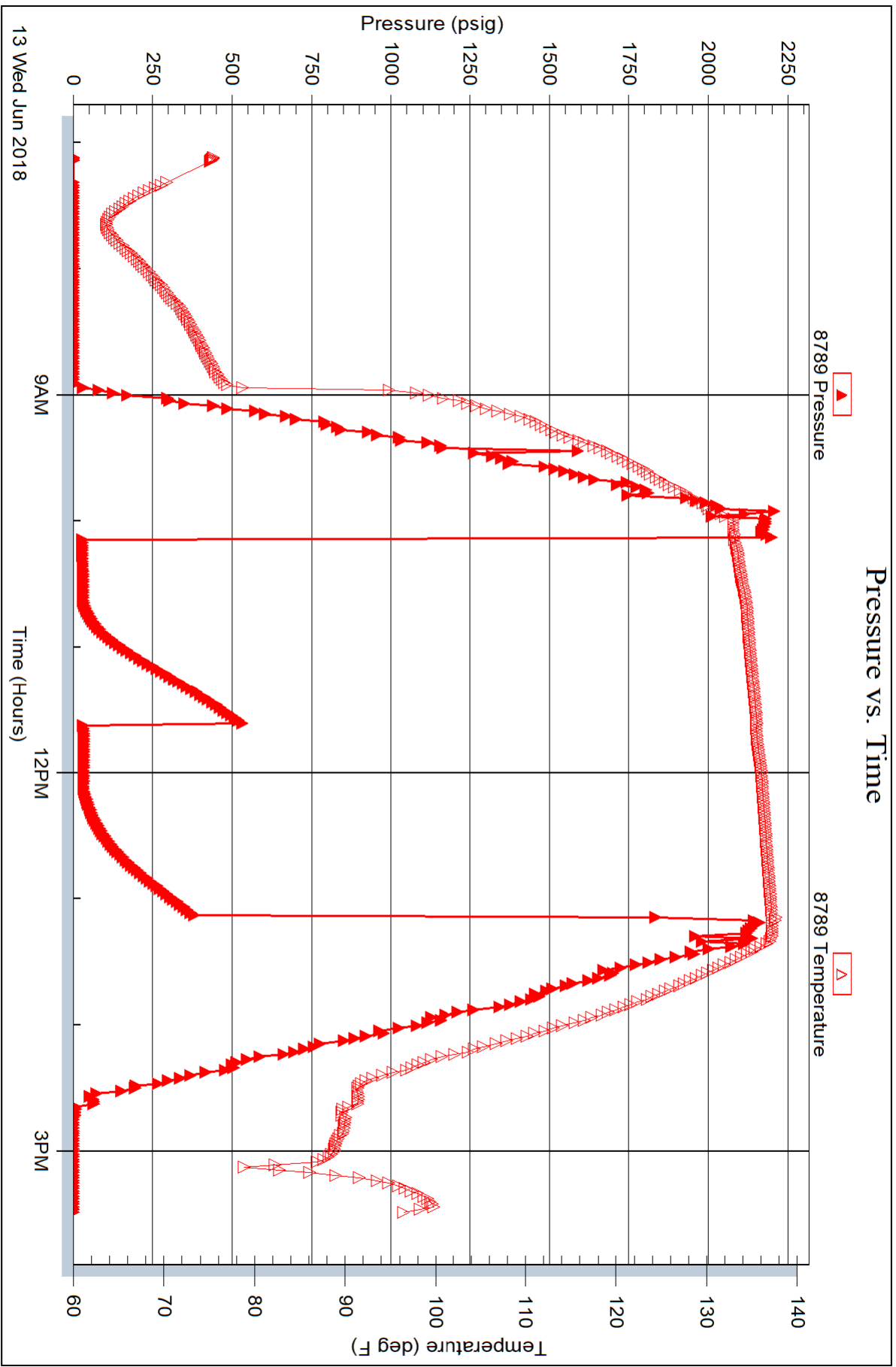
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brexeco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

ATTN: Bryan Bynog

Job Ticket: 63727

DST#: 3

Test Start: 2018.06.14 @ 11:11:00

GENERAL INFORMATION:

Formation: **LKC " C & D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:49:31

Time Test Ended: 20:12:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4360.00 ft (KB) To 4465.00 ft (KB) (TVD)

Reference Elevations: 3363.00 ft (KB)

Total Depth: 4465.00 ft (KB) (TVD)

3353.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400 Outside

Press@RunDepth: 38.89 psig @ 4361.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.06.14

End Date:

2018.06.14

Last Calib.:

2018.06.14

Start Time:

11:11:01

End Time:

20:12:01

Time On Btm:

2018.06.14 @ 13:49:16

Time Off Btm:

2018.06.14 @ 16:49:46

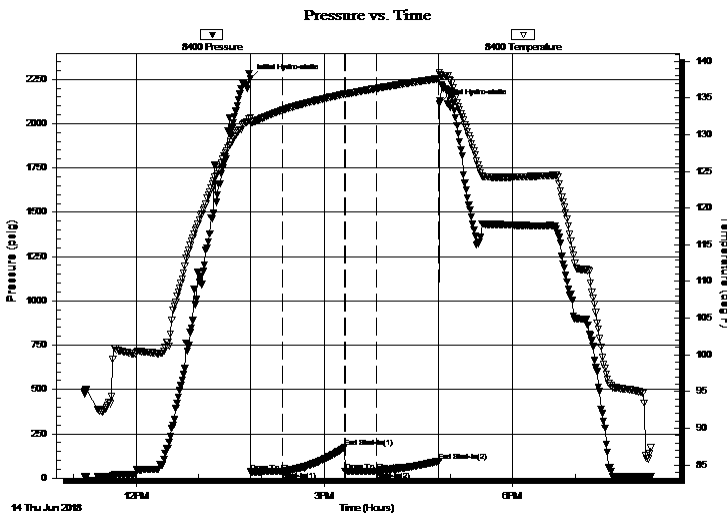
TEST COMMENT: 30-IFP- 1/2in. Blow Died Back in 6 1/2min. Dead in 17min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.16	132.31	Initial Hydro-static
1	34.90	131.73	Open To Flow (1)
31	36.57	133.35	Shut-In(1)
91	173.40	135.57	End Shut-In(1)
91	37.99	135.50	Open To Flow (2)
121	38.89	136.31	Shut-In(2)
181	96.85	137.65	End Shut-In(2)
181	2110.46	138.49	Final Hydro-static

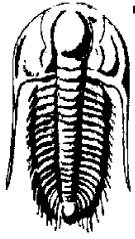
Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brexeco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

Job Ticket: 63727

DST#: 3

ATTN: Bryan Bynog

Test Start: 2018.06.14 @ 11:11:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100%	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

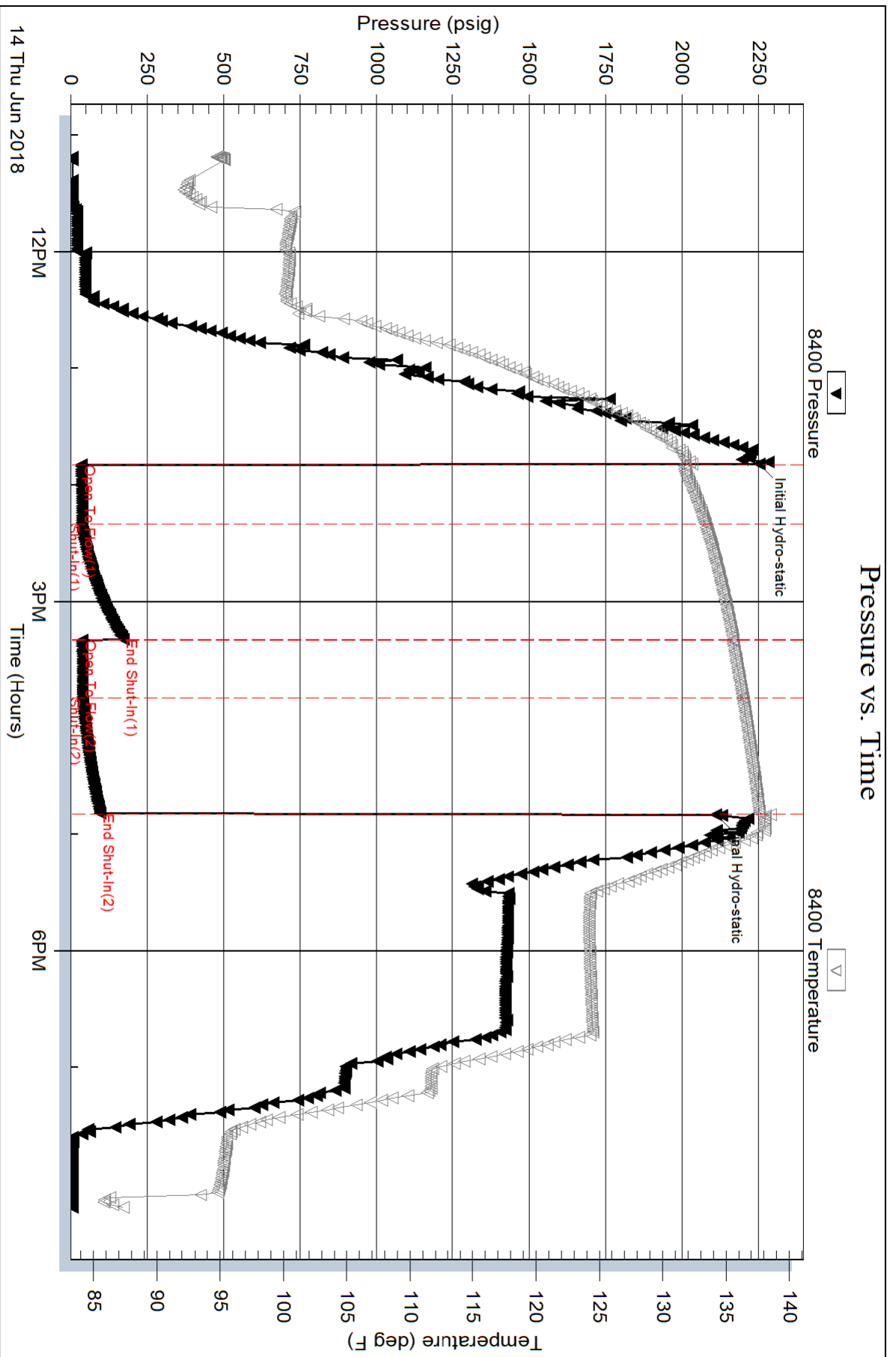
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

ATTN: Bryan Bynog

Job Ticket: 63728

DST#: 4

Test Start: 2018.06.15 @ 08:00:00

GENERAL INFORMATION:

Formation: **LKC " E "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:27:31

Time Test Ended: 15:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4455.00 ft (KB) To 4520.00 ft (KB) (TVD)

Reference Elevations: 3363.00 ft (KB)

Total Depth: 4520.00 ft (KB) (TVD)

3353.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400 Outside

Press@RunDepth: 33.67 psig @ 4456.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.06.15

End Date:

2018.06.15

Last Calib.:

2018.06.15

Start Time: 08:00:01

End Time:

15:40:01

Time On Btm:

2018.06.15 @ 10:27:16

Time Off Btm:

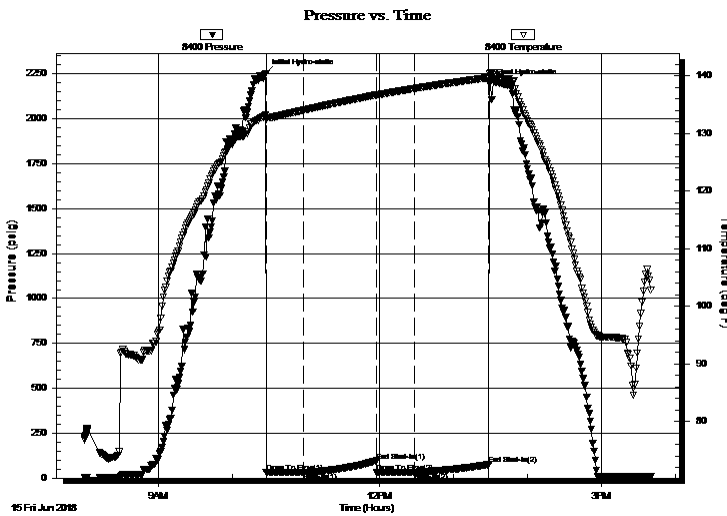
2018.06.15 @ 13:29:01

TEST COMMENT: 30-IFP- 1/2" Blow Died Back in 8 min. Dead in 18 min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2250.79	133.21	Initial Hydro-static
1	31.71	132.36	Open To Flow (1)
31	31.50	134.03	Shut-In(1)
90	94.98	136.68	End Shut-In(1)
91	32.76	136.67	Open To Flow (2)
121	33.67	137.80	Shut-In(2)
182	75.86	139.67	End Shut-In(2)
182	2193.46	140.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Oil Speck Mud 1%o 99% m	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

Job Ticket: 63728

DST#: 4

ATTN: Bryan Bynog

Test Start: 2018.06.15 @ 08:00:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Oil Speck Mud 1%o 99%m	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC

17 2s 37w Cheyenne KS

2020 N Bramblewood
Wichita KS 67206

Park University 2-17

ATTN: Bryan Bynog

Job Ticket: 63729

DST#: 5

Test Start: 2018.06.17 @ 01:11:00

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:31

Time Test Ended: 09:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4740.00 ft (KB) To 4810.00 ft (KB) (TVD)

Reference Elevations: 3363.00 ft (KB)

Total Depth: 4810.00 ft (KB) (TVD)

3353.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8400 Outside

Press@RunDepth: 36.75 psig @ 4741.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.06.17 End Date: 2018.06.17

Last Calib.: 2018.06.17

Start Time: 01:11:01 End Time: 09:20:46

Time On Btm: 2018.06.17 @ 04:10:16

Time Off Btm: 2018.06.17 @ 07:12:01

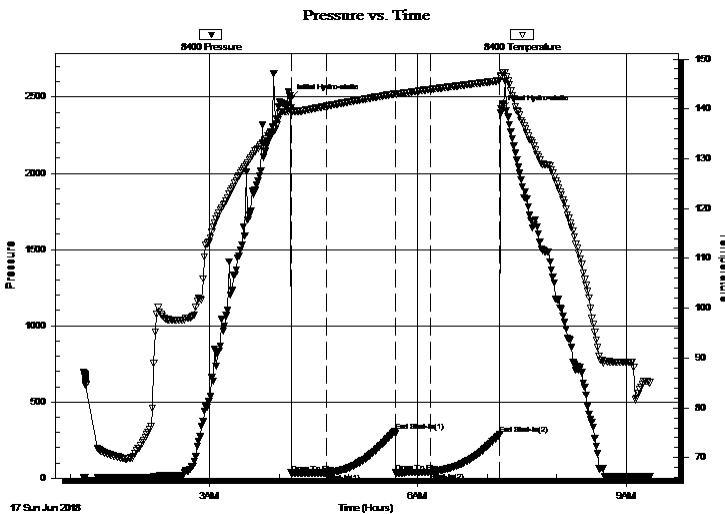
TEST COMMENT: 30-IFP- 3/4in. Blow Died Back in 12min. Dead in 27min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2488.56	140.22	Initial Hydro-static
1	33.96	139.51	Open To Flow (1)
31	33.67	140.54	Shut-In(1)
90	308.78	143.02	End Shut-In(1)
91	35.40	142.96	Open To Flow (2)
121	36.75	143.90	Shut-In(2)
181	289.19	145.67	End Shut-In(2)
182	2419.96	146.65	Final Hydro-static

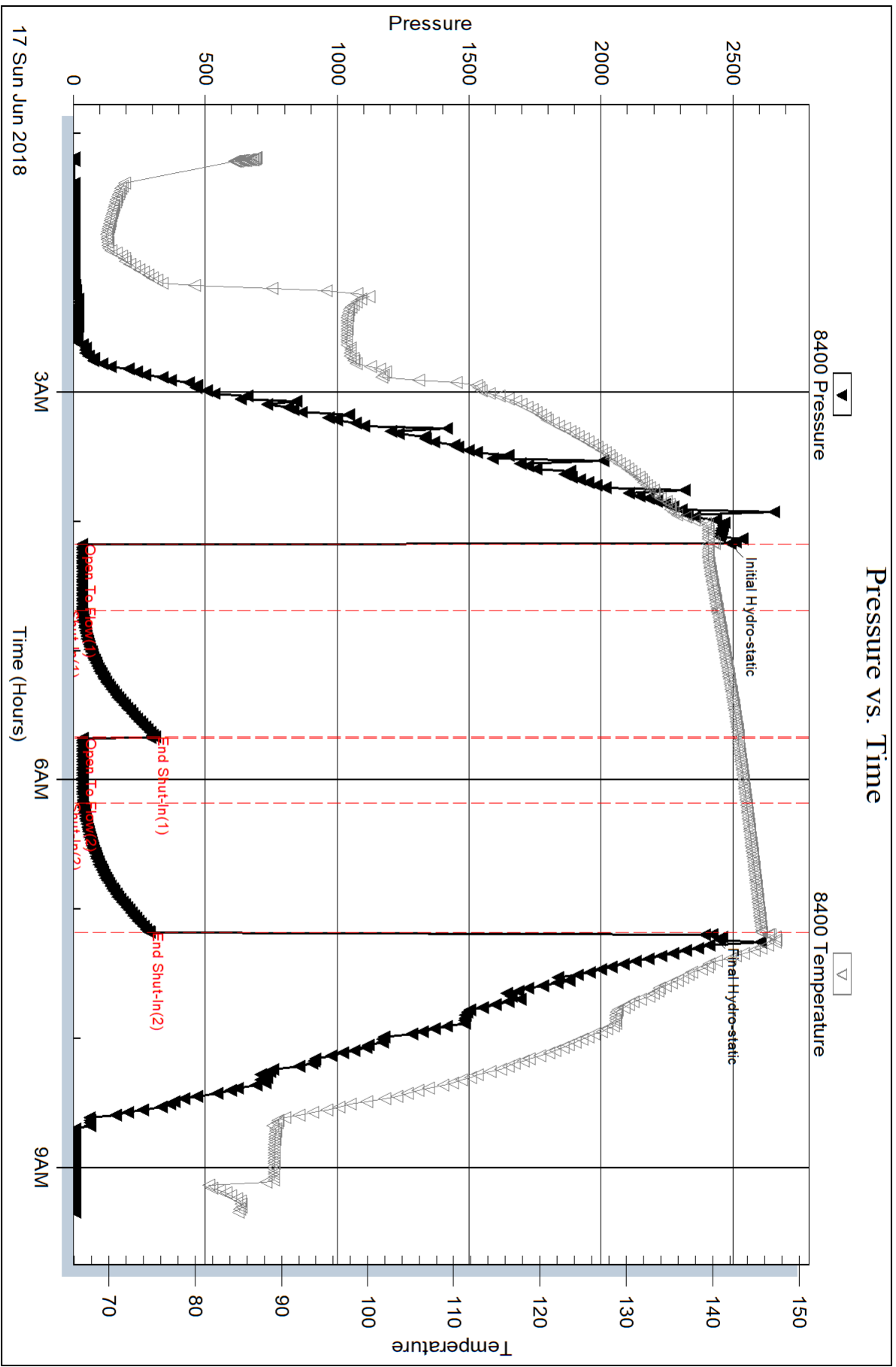
Recovery

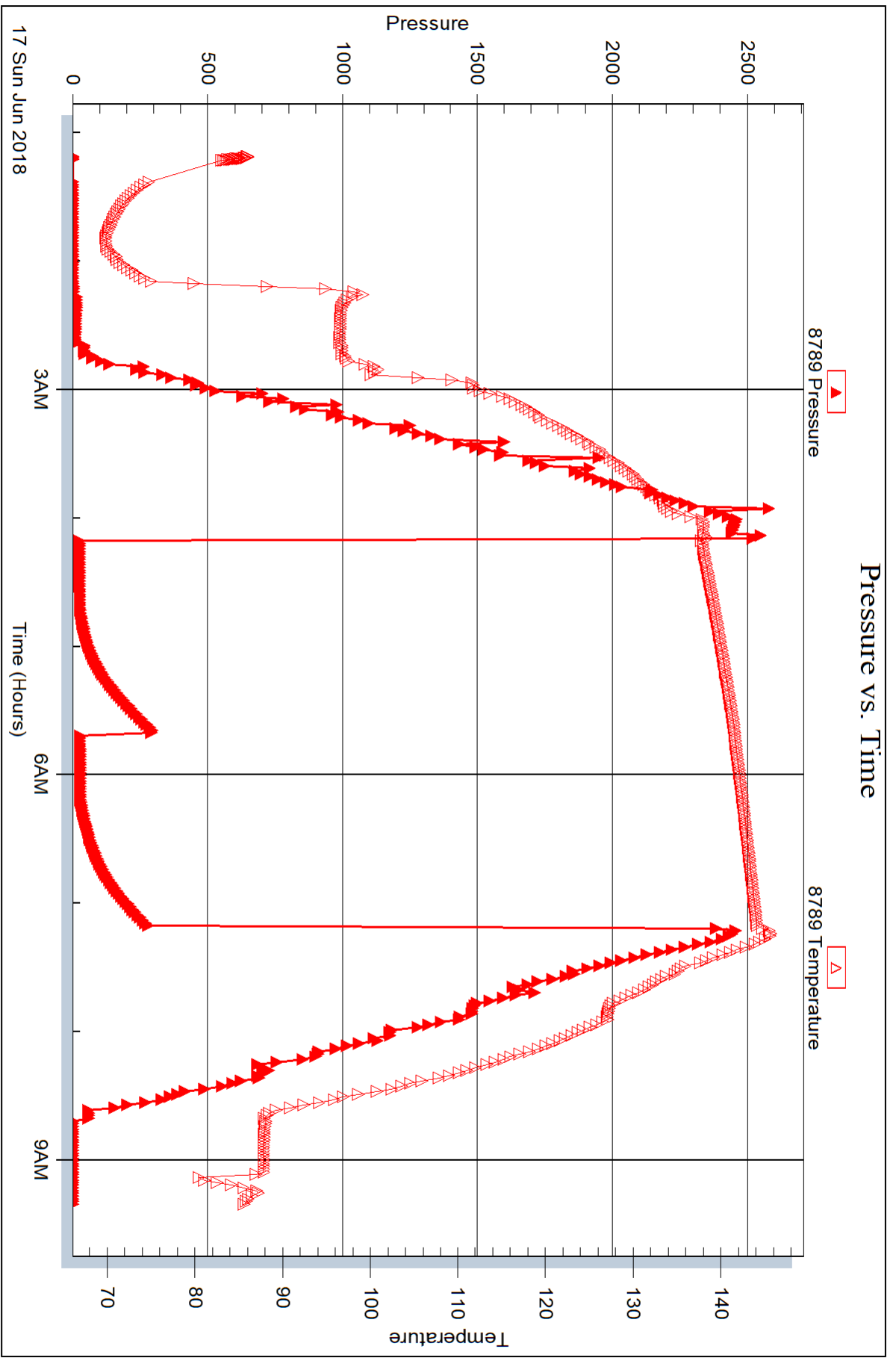
Length (ft)	Description	Volume (bbl)
5.00	OCM 5%o 95%m	0.02

* Recovery from multiple tests

Gas Rates

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





LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: PARK UNIVERSITY #2-17

Well Id:

Location: SWNWSW 17- 2S-37W Cheyenne County, Kansas

License Number: 15-023-21478

Region: Midcontinent

Spud Date: 6-5-2018

Drilling Completed: 6-18-2018

Surface Coordinates: 1650' FS; & 330' FWL

Bottom Hole

Coordinates:

Ground Elevation (ft): 3355

K.B. Elevation (ft): 3363

Logged Interval (ft): 3500 To: 4900 Total Depth (ft): 4900

Formation: LKC,Pawnee, Fort Scott & Cherokee

Type of Drilling Fluid: WBM

Printed by MudLog 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

Deviation Surveys


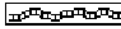
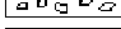

Depth	Angle
331	.75
852	1
1352	1
3575	1

Drill Stem Tests



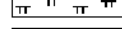

DST#1 4230-4320, DST#2 4300-4380, DST#3 4360-4465, DST#4 4455-4520, DST#5 4740-4810

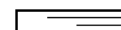



Comments

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht

 Coal
 Congl
 Dol
 Gvp

 Lmst
 Meta
 Mrlst
 Salt

 Shcol
 Shgy
 Sltst
 Ss

Clyst

igne

Shale

Till

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chltt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- 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

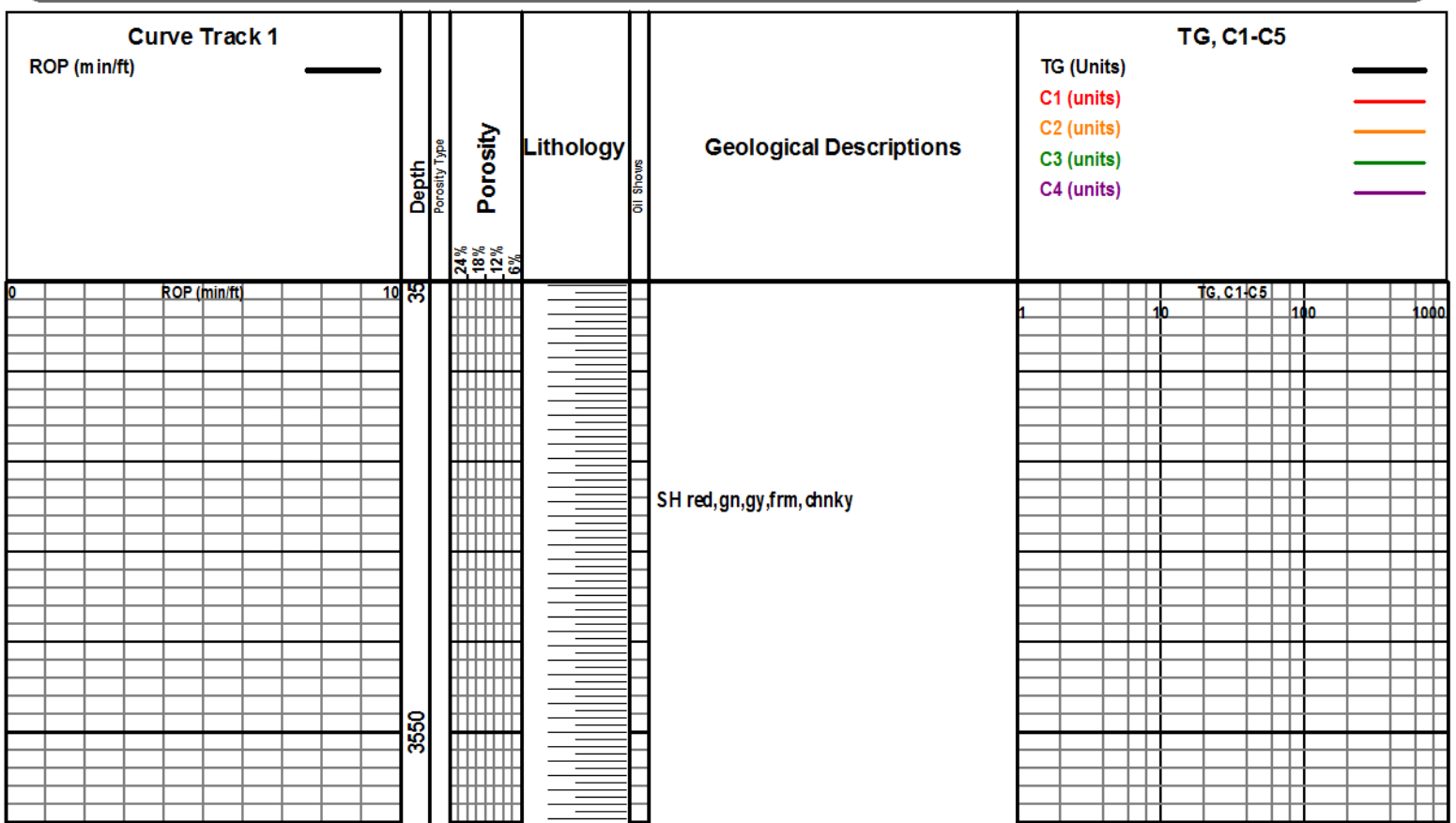
- Even
- Spotted
- Ques
- Dead

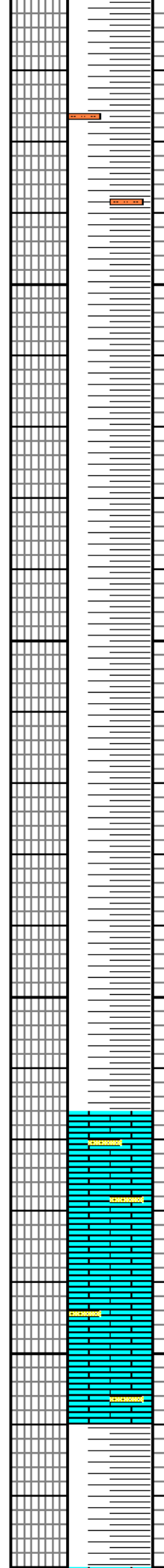
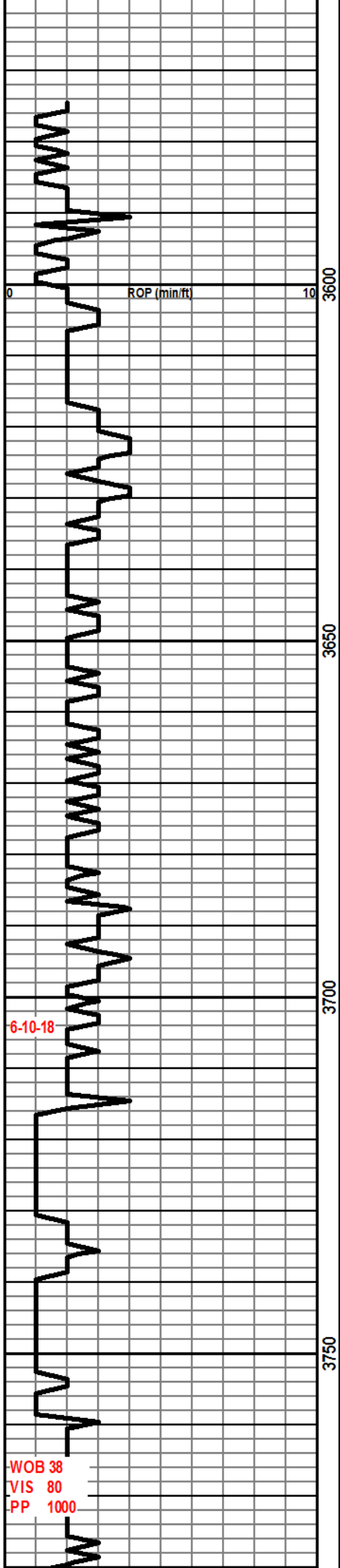
INTERVAL

- Dst
- Dst

EVENT

- Rft
- Sidewall





SH red, frm, slty

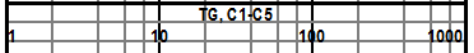
SH red, frm, bcmg v arg, chnky

LS off wh, frm, sdy, abnt v chky-subchky, p vis por, ns

LS crm, sl hd, dns, sbchky ip, p por, ns

LS wh, frm, chky, v sdy. p por, por, ns

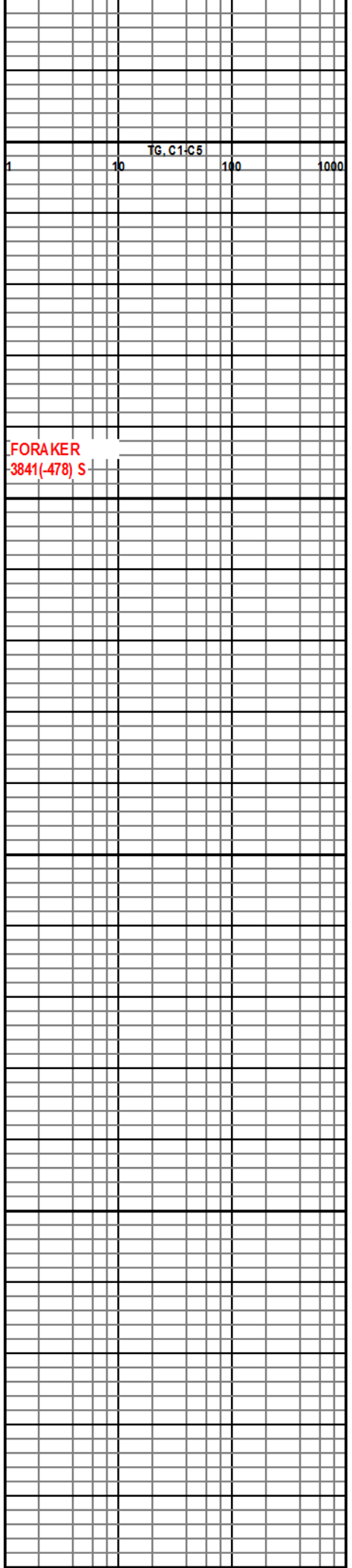
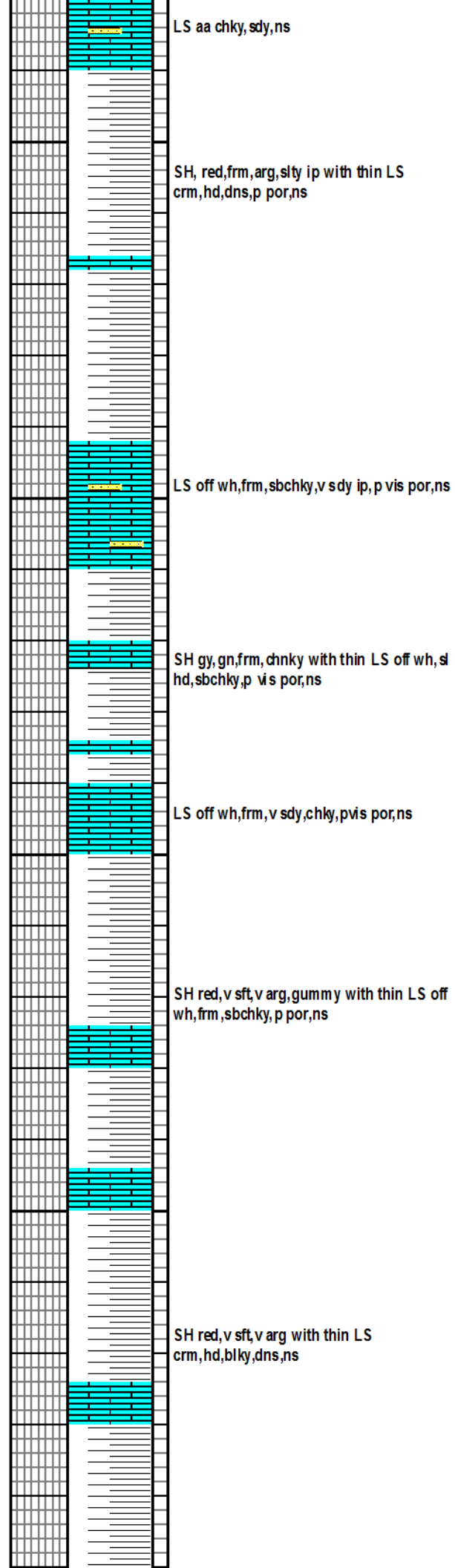
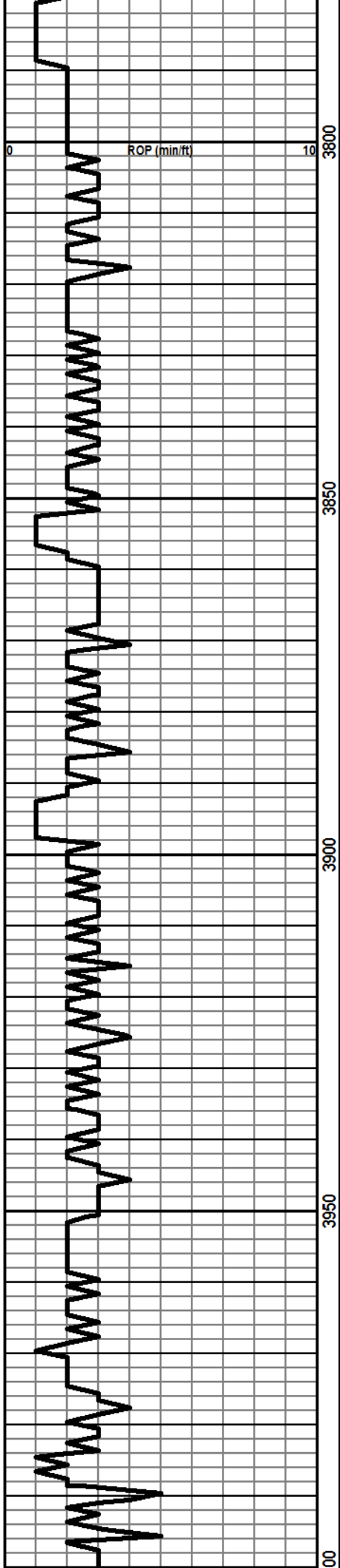
SH red, sft, v arg, gummy

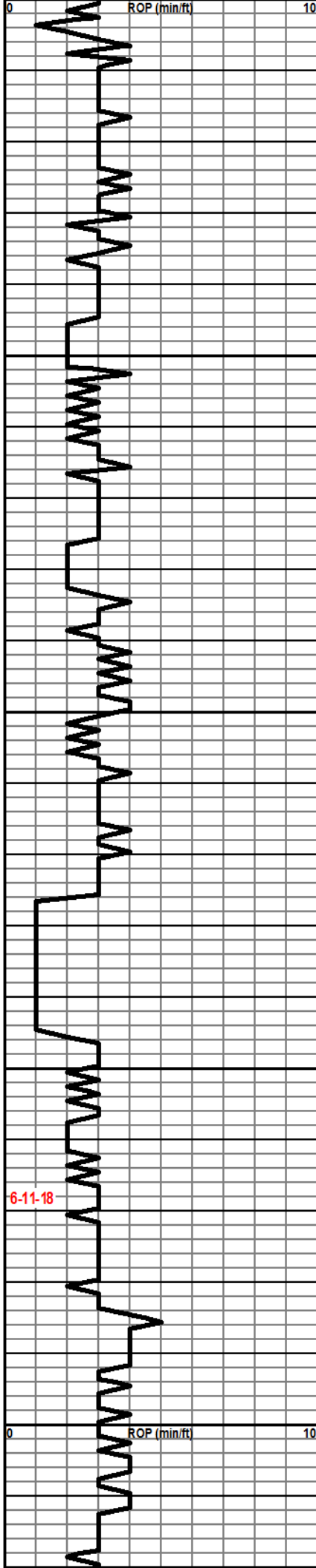


6-10-18

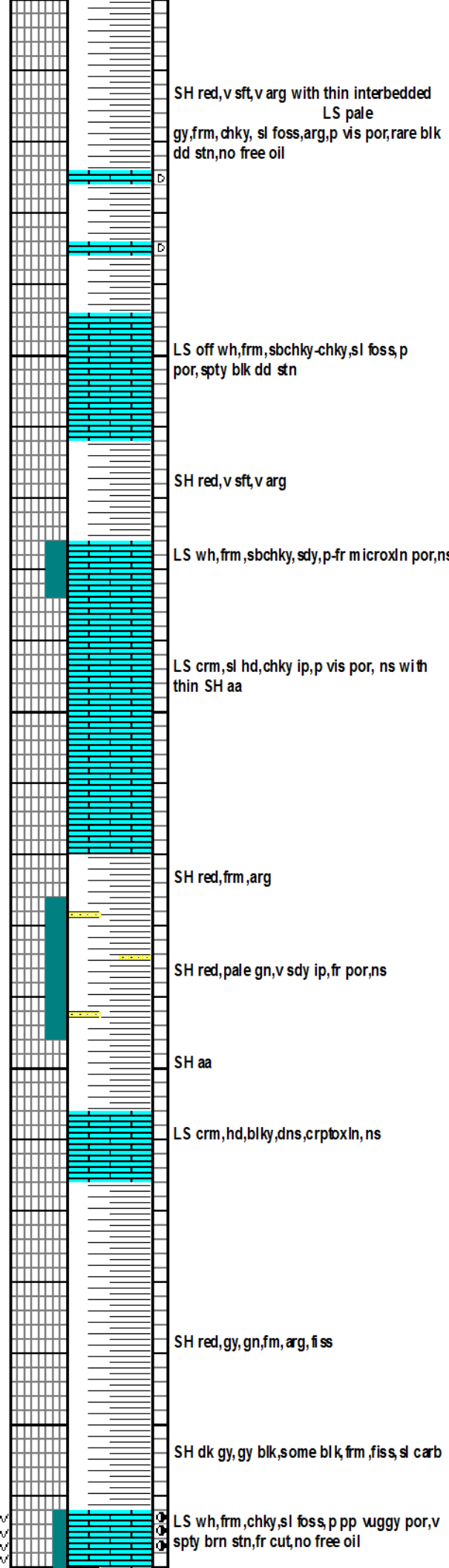
WOB 38
VIS 80
PP 1000

MUD DATA 3777
WT 8.6 VIS 88 FL 6.8
PH 12.0 CK 1 CL 1400
LCM 4.0





40
4050
4100
4150
4200



SH red, v sft, v arg with thin interbedded
LS pale
gy, frm, chky, sl foss, arg, p vis por, rare blk
dd stn, no free oil

LS off wh, frm, sbchky-chky, sl foss, p
por, spty blk dd stn

SH red, v sft, v arg

LS wh, frm, sbchky, sdy, p-fr microIn por, ns

LS crm, sl hd, chky ip, p vis por, ns wi th
thin SH aa

SH red, frm, arg

SH red, pale gn, v sdy ip, fr por, ns

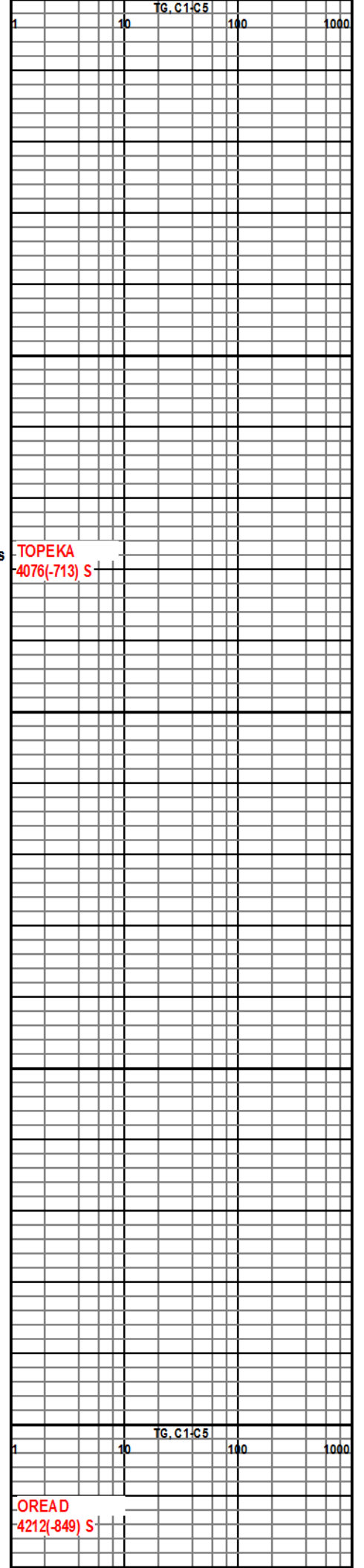
SH aa

LS crm, hd, blk, dns, crptoxIn, ns

SH red, gy, gn, frm, arg, f iss

SH dk gy, gy blk, some blk, frm, f iss, sl carb

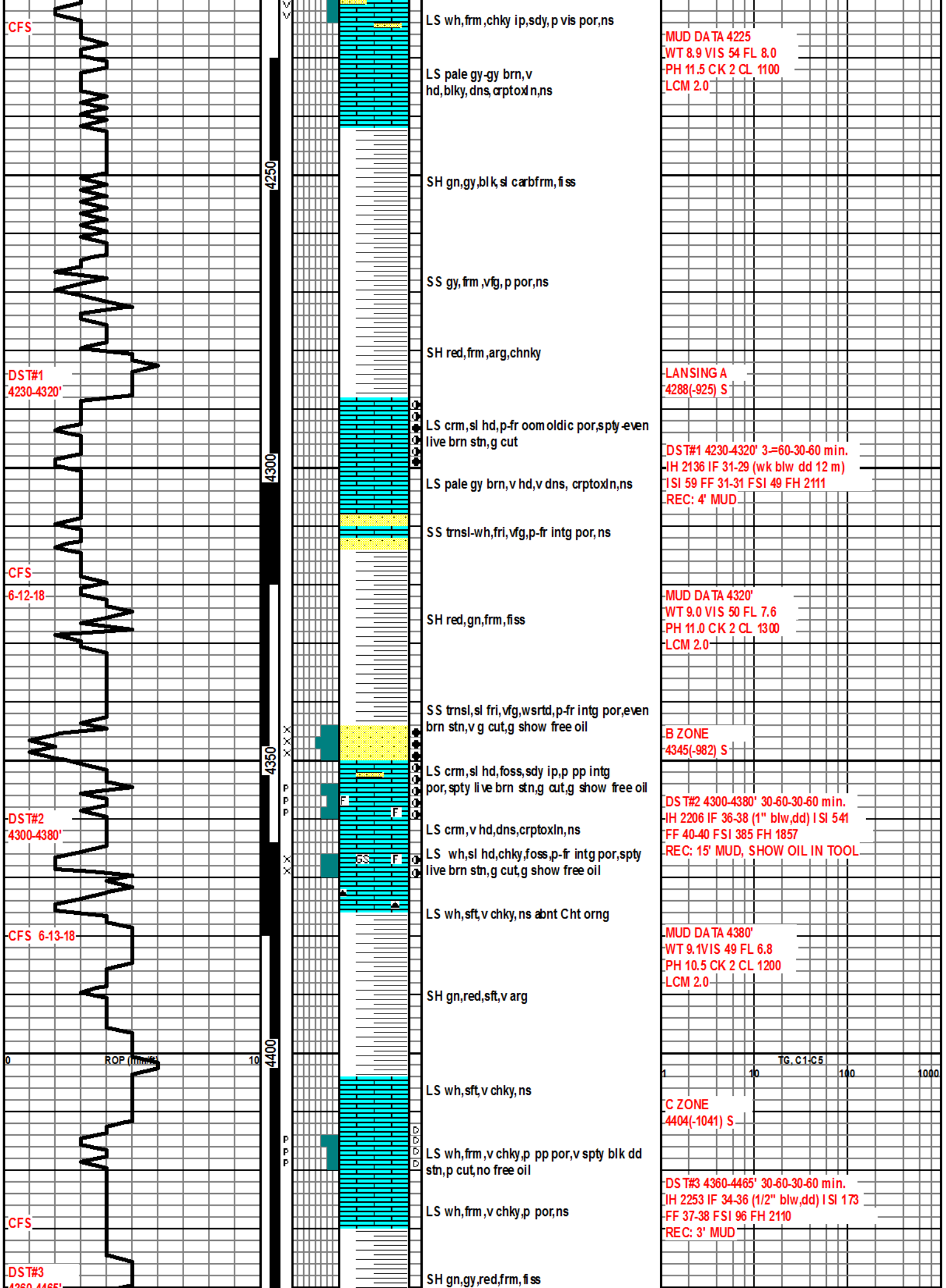
LS wh, frm, chky, sl foss, p pp wuggy por, v
spty brn stn, fr cut, no free oil

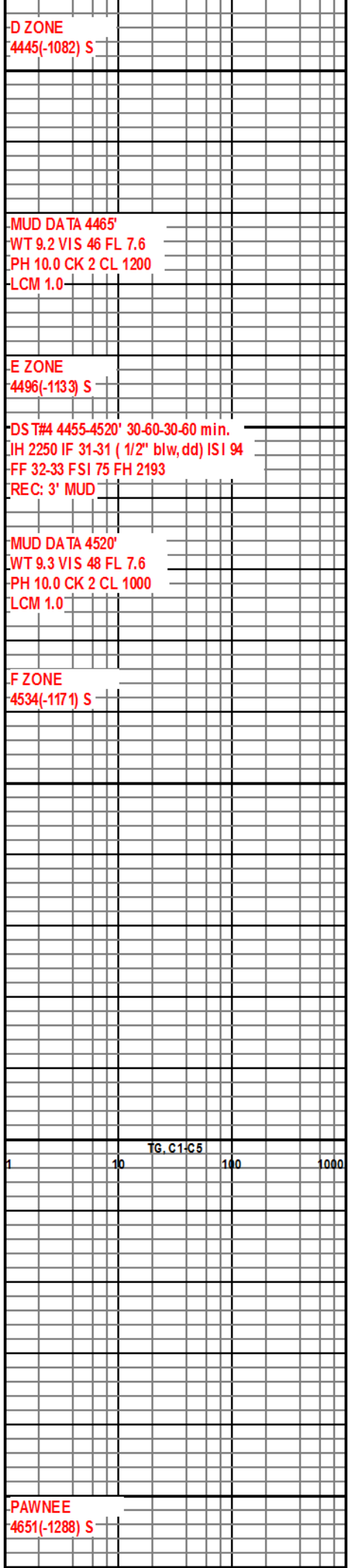
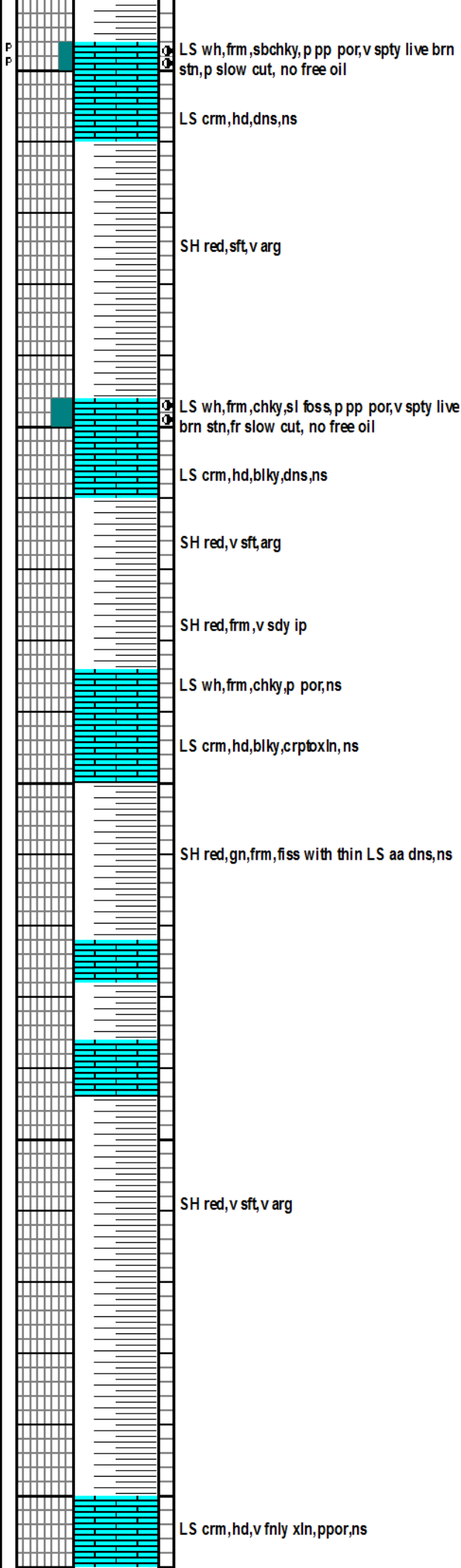
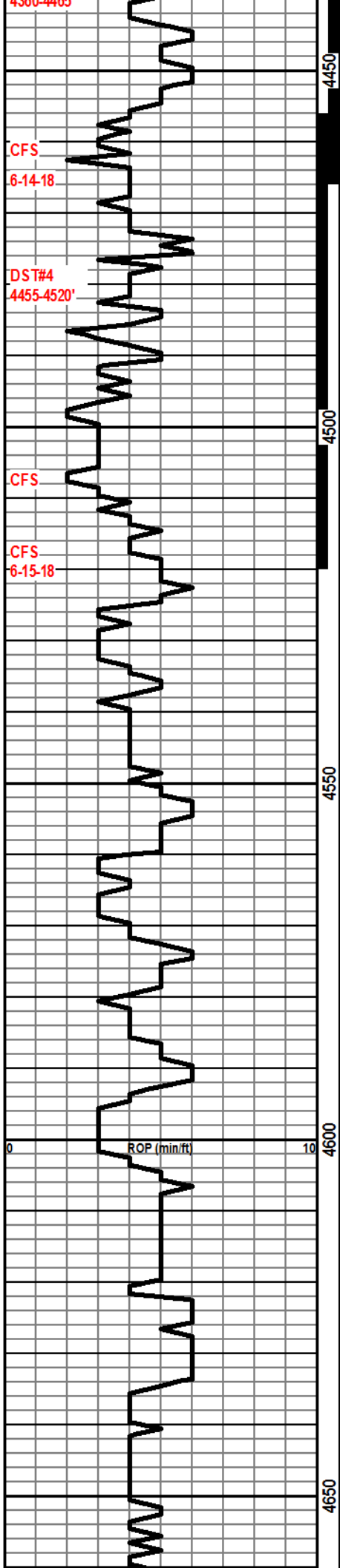


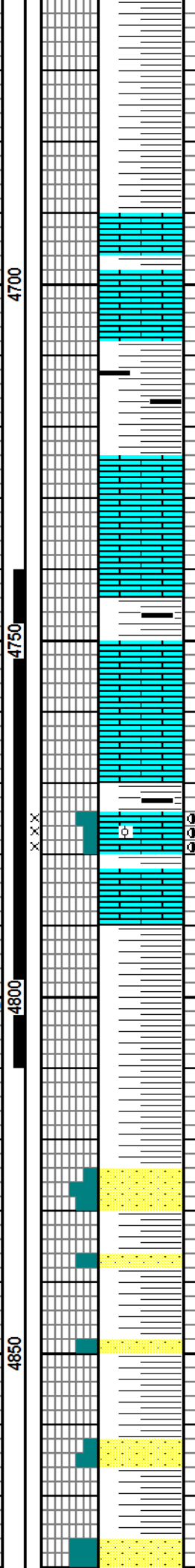
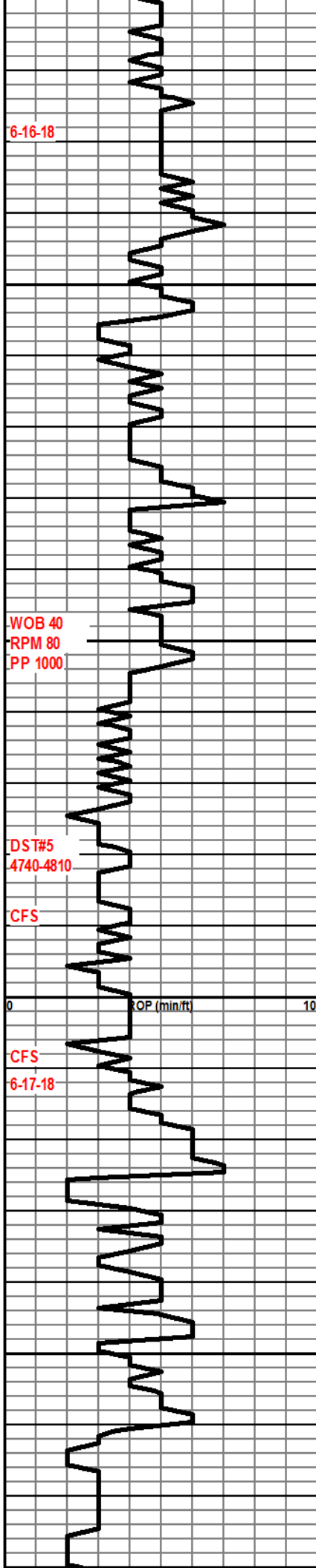
TOPEKA
-4076(-713) S

OREAD
-4212(-849) S

6-11-18







SH red,gn,frm,fiss

LS off wh,frm,sbchky, p por,ns

SH aa red aa abnt blk,frm,fiss,carb

LS off wh-crm,hd,blky, arptoxln,chly i,p,ns

SH aa

LS crm,hd,blky,chly i,p,sl foss,p por,ns

SH aa

LS wh,frm,sl oolitic,p-tr fr intg por,v spty
lt brn stn,fr cut,no free oil

LS pale crm,hd,microxln, p por,ns

SH red,gn,gy,blk,frm,fiss

SS trnsl,fr,m-c gr, fr intg por,ns with
thin SH aa

SH aa red,gy,gn,fiss with thin SS
uncons,coarse rnd grs,fr por,ns

MUD DATA 4745'
WT 9.1 VIS 40 FL 8.8
PH 10.5 CK 2 CL 800
LCM 2.0

CHEROKEE
4770(-1407) S

DST#5 4740-4810' 30-60-30-60 min.
IH 2488 IF 33-33 (3/4" 12 min.) ISI 308
FF 35-36 FSI 289 FH 2419
REC: 5' OCM (5% OIL)

TG. C1-C5
1 10 100 1000

MUD DATA 4810'
WT 9.2 VIS 40 FL 8.4
PH 10.0 CK 2 CL 600
LCM 2.0



4900

4950

00



SS trnsl, fri, f-m gr, sbang, p srt, fr por, ns

RTD 4900'

Form: ACO-1 Completion
Operator: Berexco LLC
Well Name: Park University #2-17
Doc ID: 1415811

Log Tops		
Formation	Depth	Datum
Anhydrite	3267	96
Base Anhydrite	3296	67
Foraker	3844	-481
Topeka	4075	-712
Oread	4216	-853
LKC "A"	4288	-925
LKC "B"	4354	-991
LKC "C"	4414	-1051
LKC "D"	4454	-1091
LKC "E"	4501	-1138
LKC "F"	4538	-1175
Pawnee	4653	-1290
Fort Scott	4704	-1341
Cherokee	4769	-1406
Total Depth	4900	-1537