

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)*

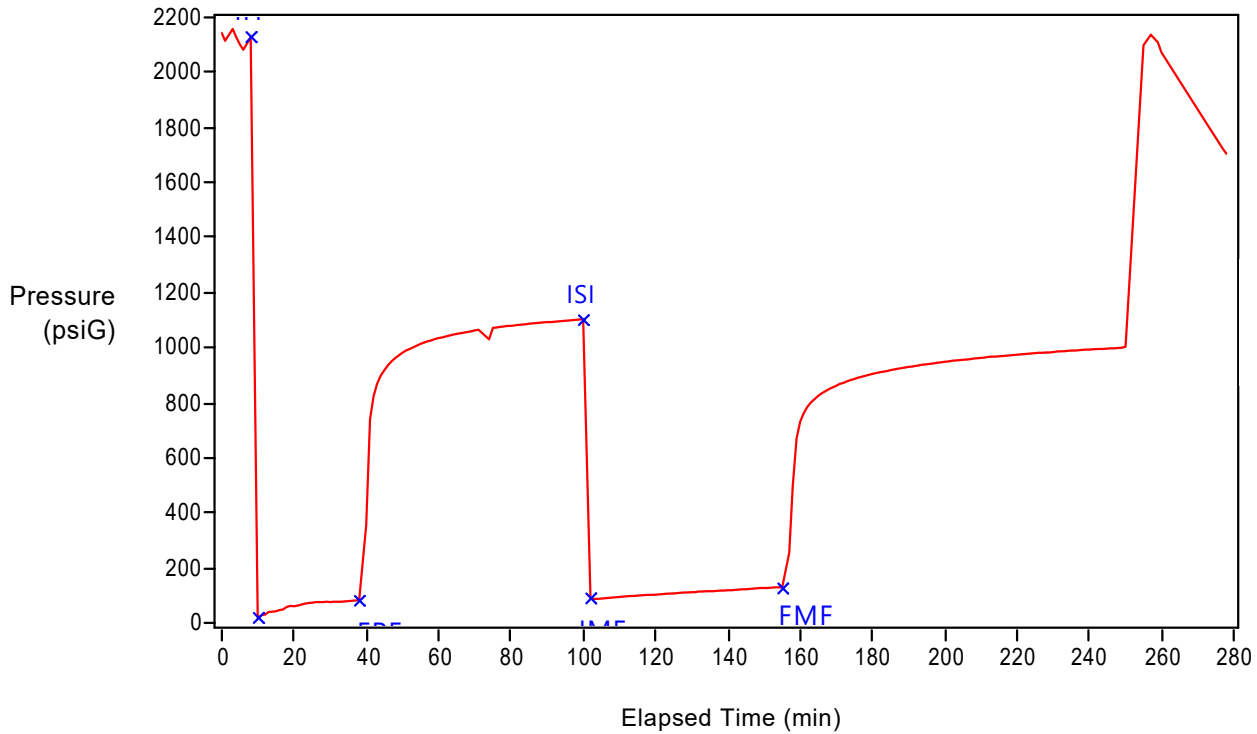
Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water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



Company Name: Pickrell
 Ticket Number: 70081
 Test Number: 2
 Well Name: Curtis S #1
 Location:
 Date: 2023/09/03
 Formation Name: Ft Scott
 Formation Interval: 4318-4368
 Gauge Depth:
 Atmospheric Pressure: 13.05 psi
 Start Time: 08:47:32

Tag	Time (h:m:s)	Pressure (psiG)
Initial Hydrostatic (IH)	08:55:32	2125.75
Initial Pre-Flow (IPF)	08:57:32	17.25
Final Pre-Flow (FPF)	09:25:33	81.45
Initial Shut-In (ISI)	10:27:34	1102.05
Initial Main Flow (IMF)	10:29:34	85.75
Final Main Flow (FMF)	11:22:35	128.75
Final Shut-In (FSI)		
Final Hydrostatic (FH)		

Notes:

Phase	Duration (h:m:s)
Entire Test	04:38:06
Pre-Flow	00:28:01
First Shut-In	01:02:01
Main Flow	00:53:01
Second Shut-In	02:03:03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.
 100 S Main
 Ste 505
 Wichita, Ks 67202
 ATTN: Aaron Young

1 16s 27w Lane Ks

Curtis "S" #1

Job Ticket: 70080

DST#: 1

Test Start: 2023.09.02 @ 00:30:00

GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:09:45
 Time Test Ended: 08:36:45
 Interval: **4090.00 ft (KB) To 4114.00 ft (KB) (TVD)**
 Total Depth: 4114.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 85
 Reference Elevations: 2566.00 ft (KB)
 2559.00 ft (CF)
 KB to GR/CF: 7.00 ft

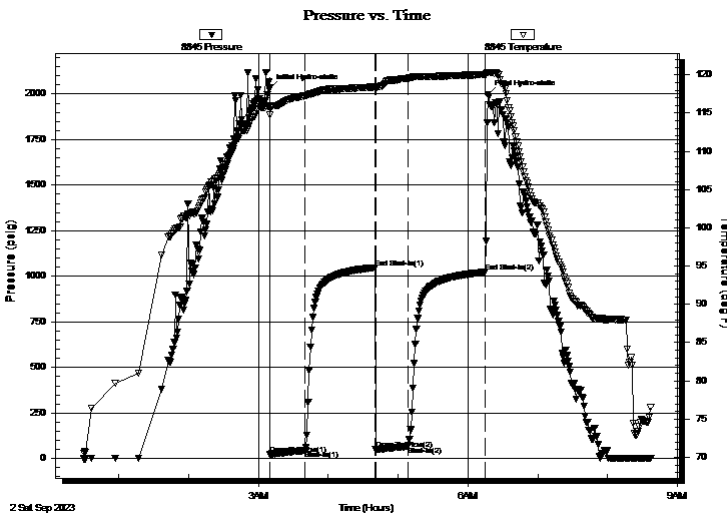
Serial #: 8845

Outside

Press@RunDepth: 66.66 psig @ 4091.00 ft (KB)
 Start Date: 2023.09.02 End Date: 2023.09.02
 Start Time: 00:30:05 End Time: 08:36:44
 Capacity: 8000.00 psig
 Last Calib.: 2023.09.02
 Time On Btm: 2023.09.02 @ 03:09:30
 Time Off Btm: 2023.09.02 @ 06:17:30

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2031.88	115.98	Initial Hydro-static
1	22.85	114.71	Open To Flow (1)
31	44.76	117.26	Shut-In(1)
91	1047.75	118.42	End Shut-In(1)
91	48.98	118.14	Open To Flow (2)
119	66.66	119.56	Shut-In(2)
186	1022.88	120.05	End Shut-In(2)
188	1996.64	120.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	Mud 100m (oil spots)	0.39

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

1 16s 27w Lane Ks

100 S Main
Ste 505
Wichita, Ks 67202
ATTN: Aaron Young

Curtis "S" #1

Job Ticket: 70080

DST#: 1

Test Start: 2023.09.02 @ 00:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 1750.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	Mud 100m (oil spots)	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

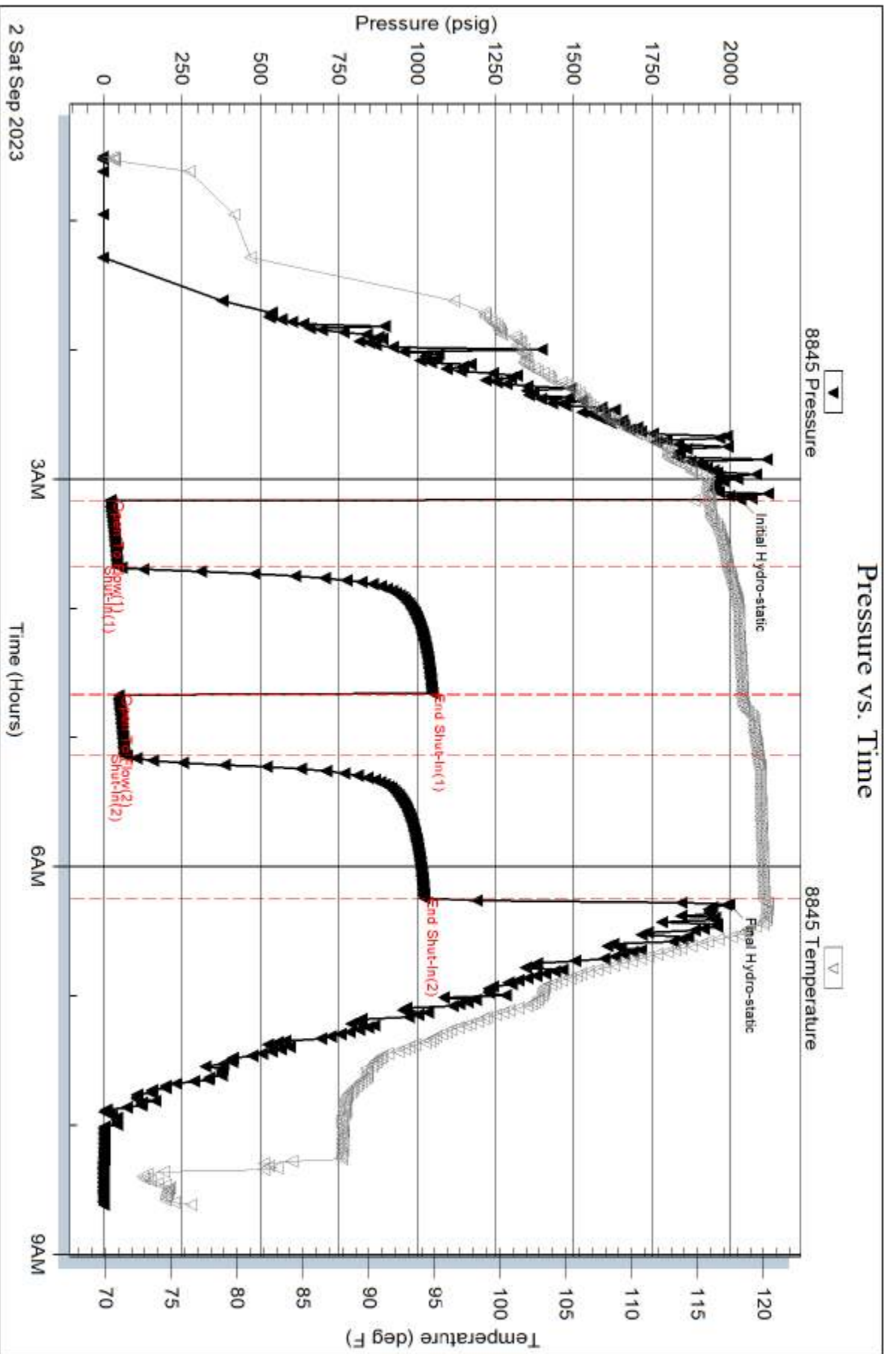
Recovery Comments:

Serial #: 8845

Outside Pickett Drilling Co. Inc.

Curtis "S" #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70080

Printed: 2023.09.02 @ 08:56:34

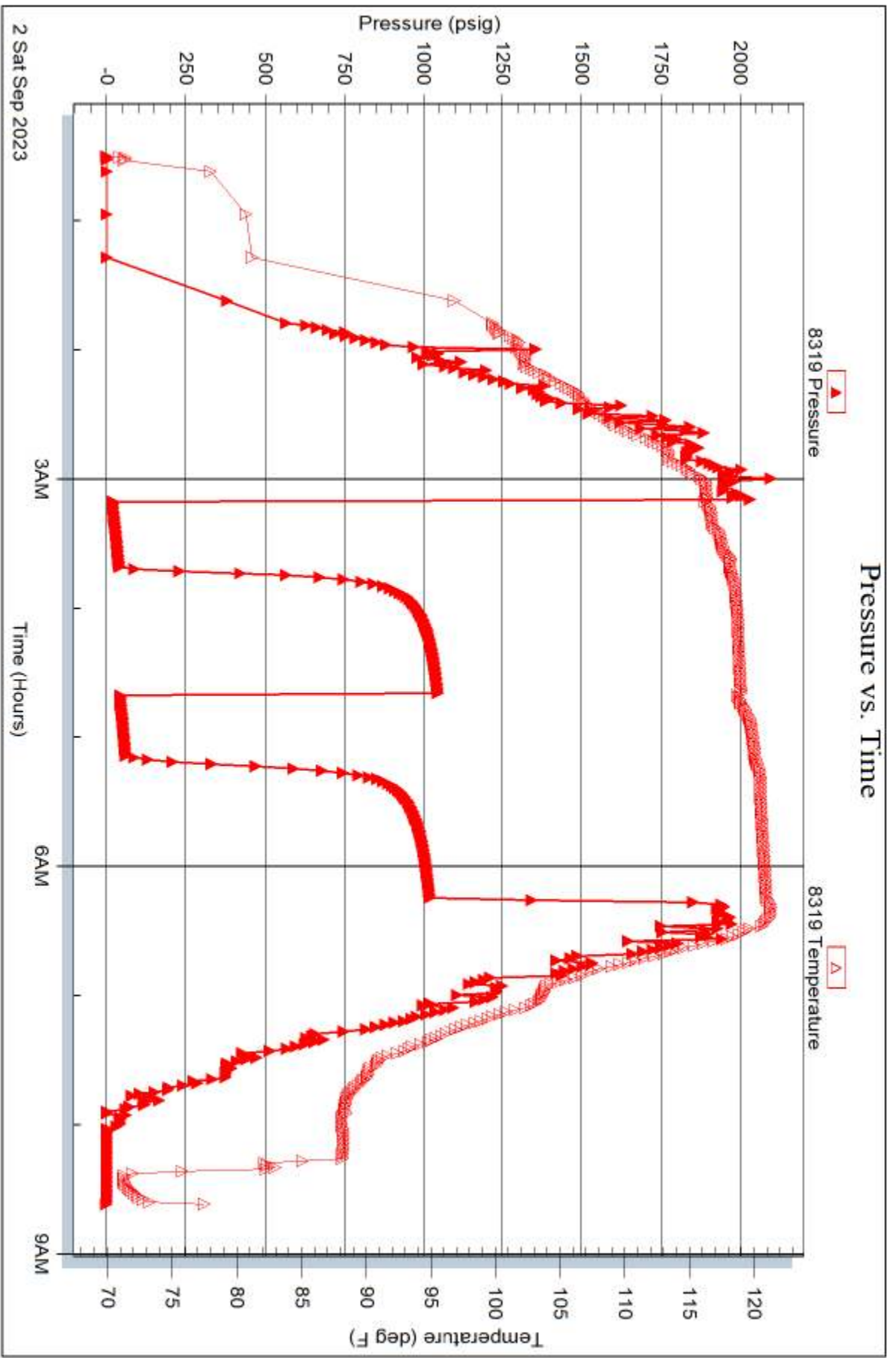
Serial #: 8319

Inside

Pickell Drilling Co., Inc.

Curtis "S" #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70080

Printed: 2023.09.02 @ 08:56:34



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.

1 16s 27w Lane Ks

100 S Main
Ste 505
Wichita, Ks 67202
ATTN: Aaron Young

Curtis "S" #1

Job Ticket: 70082

DST#: 2

Test Start: 2023.09.03 @ 06:36:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:56:15

Time Test Ended: 15:32:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: 4318.00 ft (KB) To 4368.00 ft (KB) (TVD)

Reference Elevations: 2566.00 ft (KB)

Total Depth: 4368.00 ft (KB) (TVD)

2559.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8319 Inside

Press@RunDepth: 145.35 psig @ 4319.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.09.03

End Date: 2023.09.03

Last Calib.: 2023.09.03

Start Time: 06:36:05

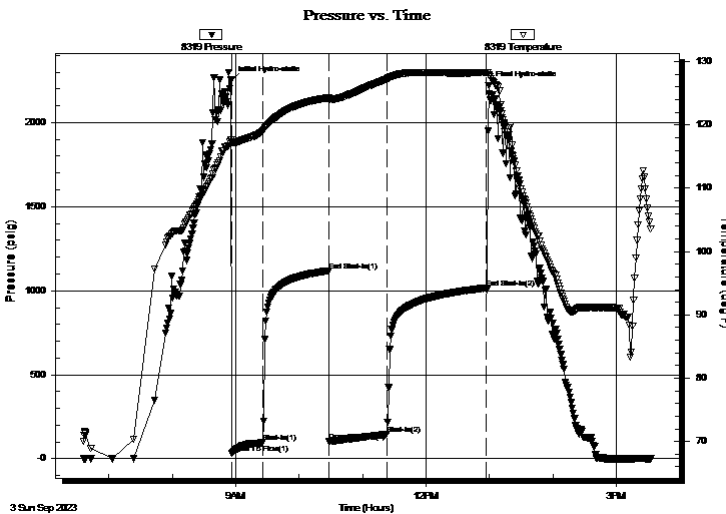
End Time: 15:32:45

Time On Btm: 2023.09.03 @ 08:55:45

Time Off Btm: 2023.09.03 @ 12:59:15

TEST COMMENT: IF: 6" blow.
IS: No return.
FF: 10" blow.
FS: No return. 30-60-45-90

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2251.12	117.70	Initial Hydro-static
1	31.97	117.22	Open To Flow (1)
30	97.14	119.08	Shut-In(1)
93	1118.67	124.29	End Shut-In(1)
93	103.10	124.04	Open To Flow (2)
147	145.35	127.20	Shut-In(2)
242	1015.99	128.25	End Shut-In(2)
244	2219.45	127.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	mcw 15m 85w (oil spots)	2.27
10.00	Oil 100o	0.14

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

1 16s 27w Lane Ks

100 S Main
Ste 505
Wichita, Ks 67202
ATTN: Aaron Young

Curtis "S" #1

Job Ticket: 70082

DST#: 2

Test Start: 2023.09.03 @ 06:36:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 1750.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 35 deg API
Water Salinity: 32000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	mcw 15m 85w (oil spots)	2.273
10.00	Oil 100o	0.140

Total Length: 250.00 ft Total Volume: 2.413 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .156 @ 95f = 32000ppm

Serial #: 8319

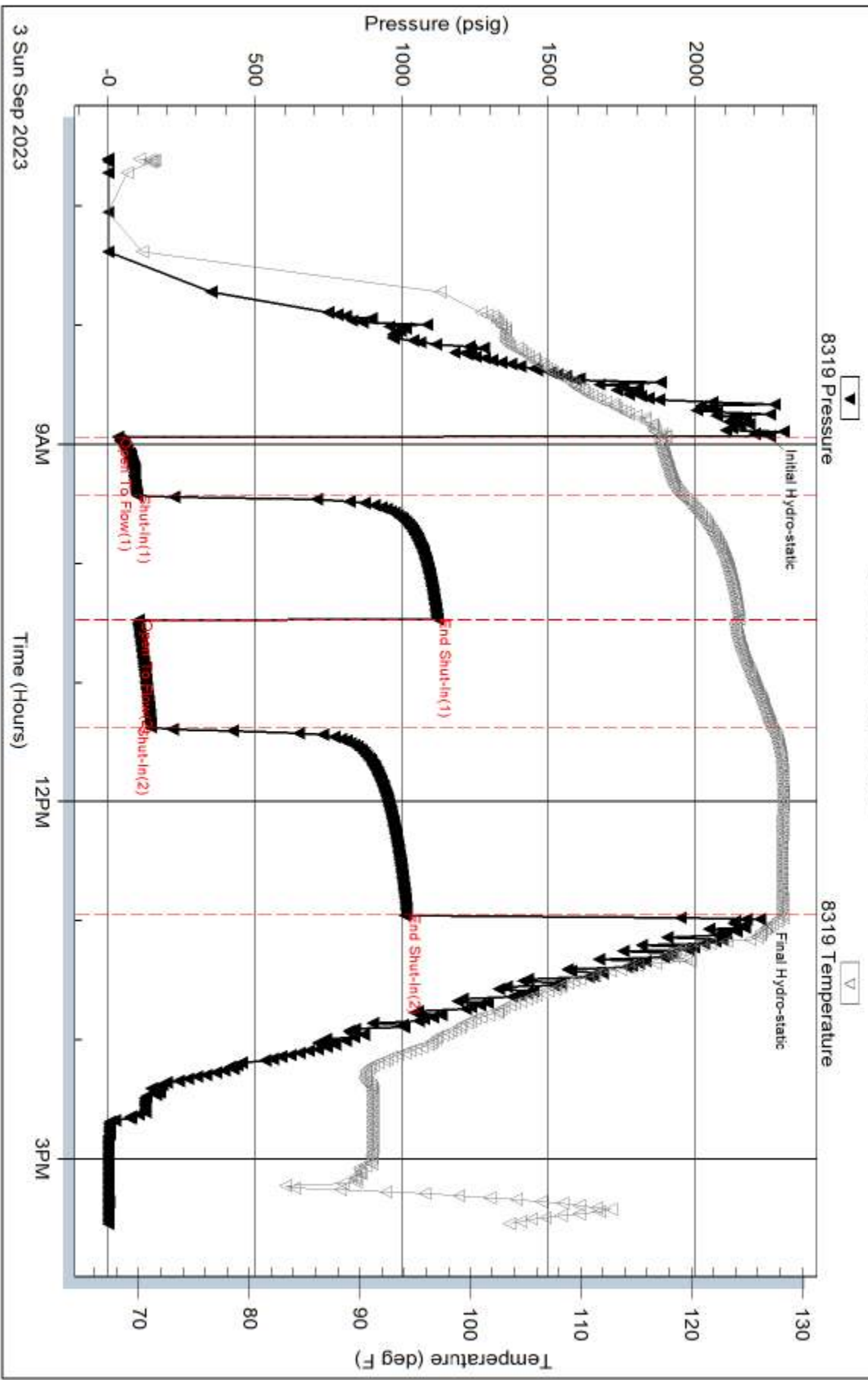
Inside

Pickell Drilling Co. Inc.

Curtis "S" #1

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 70082

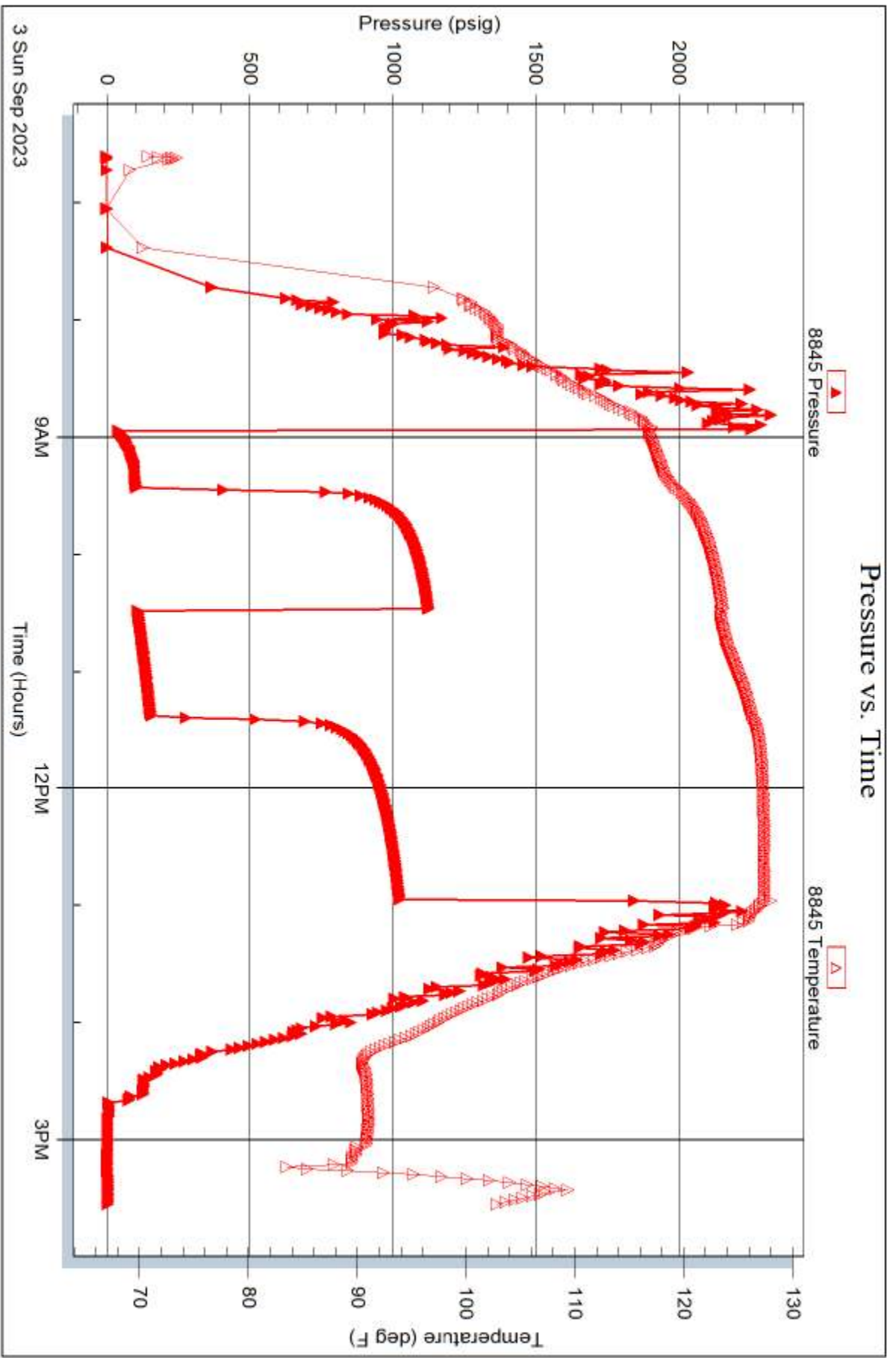
Printed: 2023.09.03 @ 17:35:34

Serial #: 8845

Outside Pickett Drilling Co. Inc.

Curtis "S" #1

DST Test Number: 2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.

1 16s 27w Lane Ks

100 S Main
Ste 505
Wichita, Ks 67202
ATTN: Aaron Young

Curtis "S" #1

Job Ticket: 8--33

DST#: 3

Test Start: 2023.09.04 @ 01:36:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:19:00

Time Test Ended: 09:04:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: 4386.00 ft (KB) To 4454.00 ft (KB) (TVD)

Reference Elevations: 2566.00 ft (KB)

Total Depth: 4454.00 ft (KB) (TVD)

2559.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8845 Outside

Press@RunDepth: 56.63 psig @ 4387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.09.04 End Date: 2023.09.04

Last Calib.: 2023.09.04

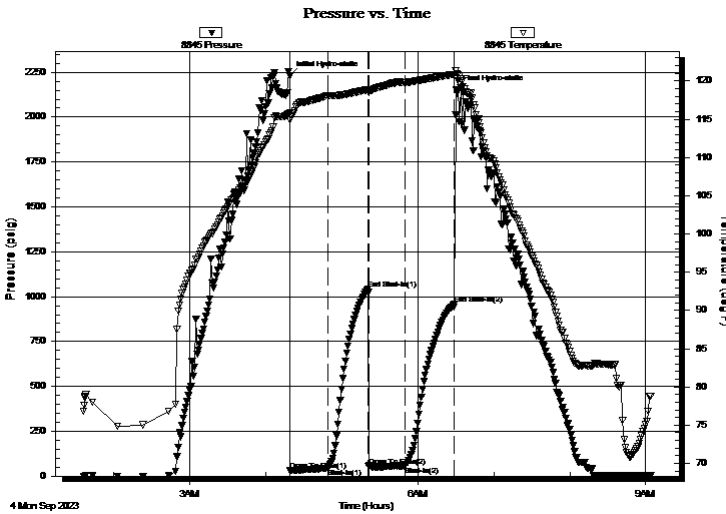
Start Time: 01:36:05 End Time: 09:04:29

Time On Btm: 2023.09.04 @ 04:18:45

Time Off Btm: 2023.09.04 @ 06:30:15

TEST COMMENT: IF: 1 3/4" blow .
IS: No return.
FF: 1" blow .
FS: No return. 30-30-30-30

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.29	115.79	Initial Hydro-static
1	30.77	114.88	Open To Flow (1)
31	45.81	118.12	Shut-In(1)
62	1042.98	118.87	End Shut-In(1)
63	55.42	118.52	Open To Flow (2)
92	56.63	119.81	Shut-In(2)
130	956.79	120.88	End Shut-In(2)
132	2150.41	121.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	ocm 25o 75m	0.32
20.00	oil 100o (not gassy)	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

1 16s 27w Lane Ks

100 S Main
Ste 505
Wichita, Ks 67202
ATTN: Aaron Young

Curtis "S" #1

Job Ticket: 8--33

DST#: 3

Test Start: 2023.09.04 @ 01:36:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 2950.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 40 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	ocm 25o 75m	0.320
20.00	oil 100o (not gassy)	0.098

Total Length: 85.00 ft Total Volume: 0.418 bbl

Num Fluid Samples: 0

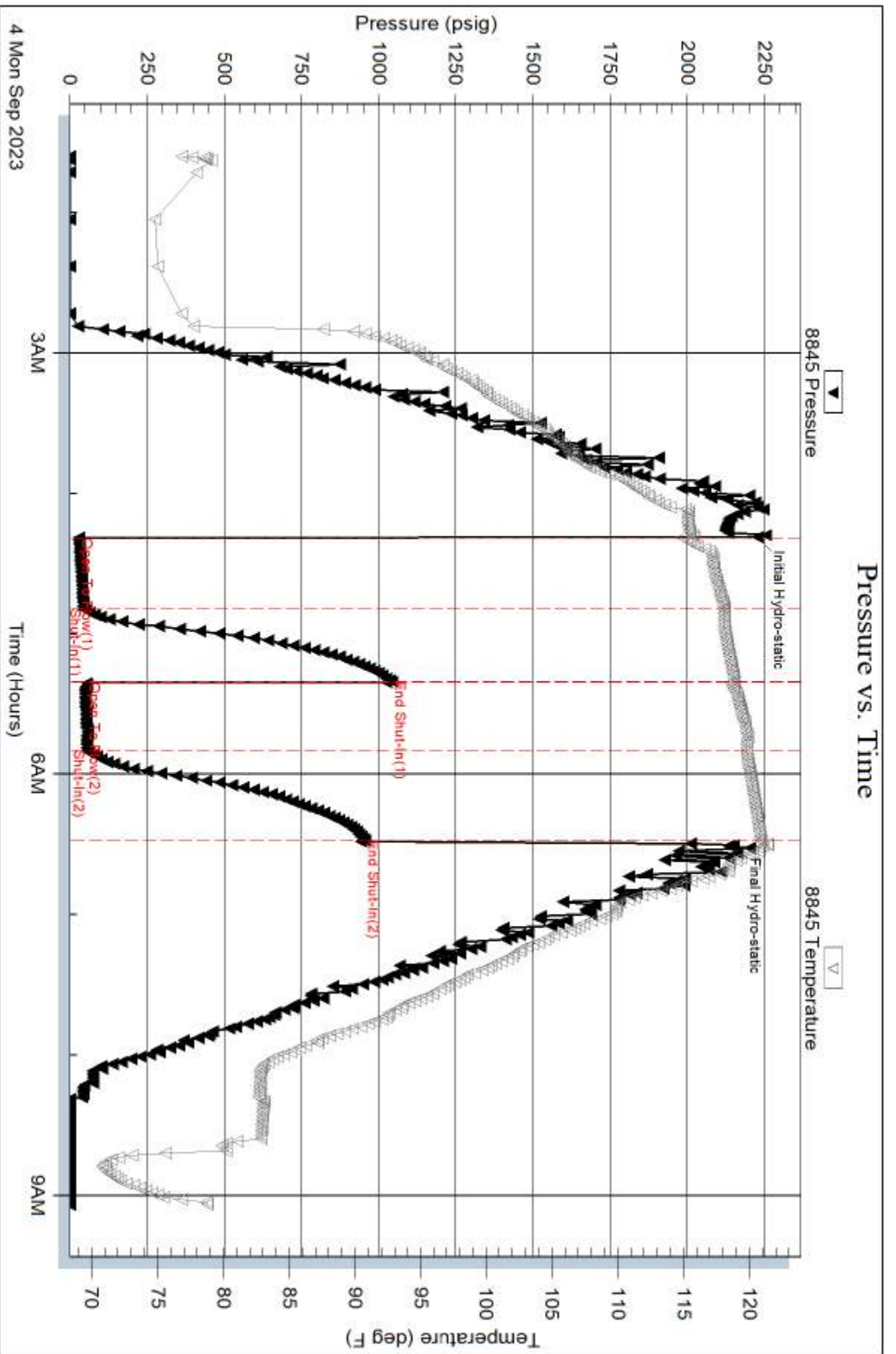
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



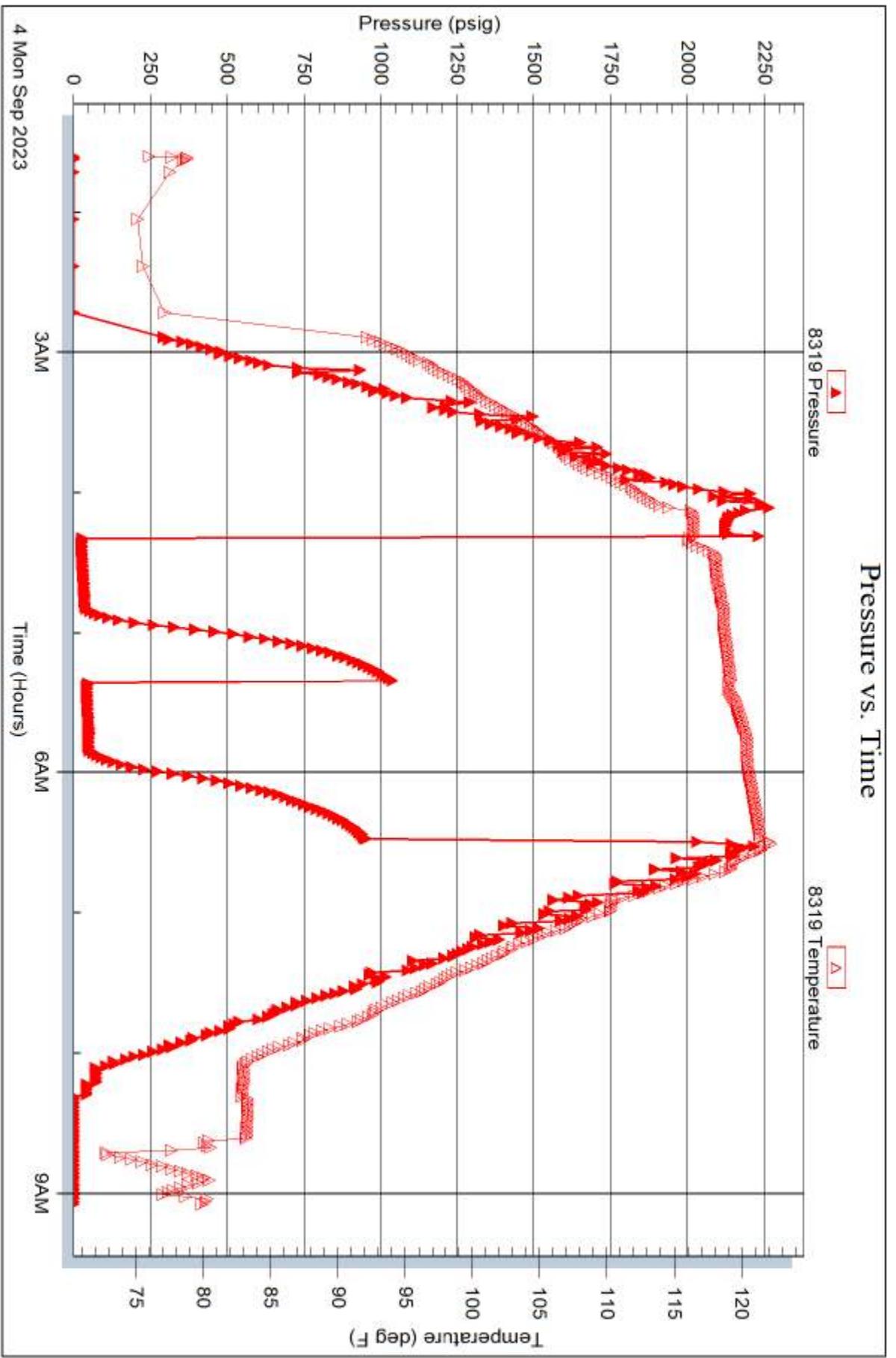
Serial #: 8319

Inside

Pickrell Drilling Co. Inc.

Curtis "S" #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 8--33

Printed: 2023.09.04 @ 18:56:41

JOB LOG

SWIFT Services, Inc.

DATE 8-29-23	PAGE NO. 1
TICKET NO. 36682	

CUSTOMER Pickrell Dely Co		WELL NO. #1		LEASE Curtis		JOB TYPE Surface		TICKET NO. 36682	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	15:30								ON location 8 5/8" 222'
	15:50								Start csg.
	16:30								Break circulation
	16:35		5		✓				H2O spacer
			36		✓				mix 150 SKS std, 2% gel, 3% CL @ 14.7 API
			300		✓				displace cement
			7		✓				Cmt to surface 20SK to pit
	16:55		13		✓				KD shut in
	17:00								Wash pump truck
	17:30								Job Complete
									Thanks!
									Austen, Kirby, Brett



CHARGE TO: Pickrell Drilling Co
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 36335

PAGE 1 OF 1

SEVICE LOCATIONS

1. Hub, KS WELL/PROJECT NO. #1 I FASE Kober JT COUNTY/PARISH Ness STATE KS DATE 09/02/03 OWNER Same

2. Ness City, KS CONTRACTOR _____ RIG NAME NO. _____ SHIPPED VIA CT DELIVERED TO Location ORDER NO. _____

3. WELL TYPE Dil WELL CATEGORY Workover JOB PURPOSE Plug To Abandon WELL PERMIT NO. _____ WELL LOCATION _____

4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
			ACCT	DF	DF							
575		1			MILEAGE #114	28	mi			8.00	160.00	
576P		1			Pump Change - DTA	1	EA			1200.00	1200.00	
290		1			D-Air	2	gal			42.00	84.00	
328-4		2			60/40 Pozomix (40% well)	250	SKS			131.00	32750.00	
581		2			Service Charge Cement	250	SKS			2.00	500.00	
582		2			Minimum Drayage Charge	1	EA			350.00	350.00	
LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.						SURVEY <input type="checkbox"/> OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? <input type="checkbox"/> WE UNDERSTOOD AND MET YOUR NEEDS? <input type="checkbox"/> OUR SERVICE WAS PERFORMED WITHOUT DELAY? <input type="checkbox"/> WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? <input type="checkbox"/> ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND						
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.						REMIT PAYMENT TO: SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560 785-798-2300						
DATE SIGNED _____ TIME SIGNED _____						PAGE TOTAL 5,544.00 TOTAL 5914.36						

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR [Signature] APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 09/09/23	PAGE NO. 1
TICKET NO. 36335	

CUSTOMER Pirkoell Drilling		WELL NO. #7		LEASE Kober JT		JOB TYPE PTA		TICKET NO. 36335	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0915								On location, set up trucks
									CIBP in Hole Fluid Swabbed down to 1850'
	0930	1/2	4						Hook up to Annulus 300* Pump 15 SKS, Pressured up to 300* Release Pressure Hook up to Casing
		2 1/2							Start Cement
		2 1/2	54						Shut Down, take swedge off Lay hose in casing Try to top off. Fluid Down to seconds
		1/2	58						Casing is not staying full 2 seconds
		1/2	62						Top off again, wait 10 minutes 4 seconds Down.
	1110								Wash up Rack up
	1115								Job Complete
									Thanks Jon, Bob & Jan

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

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

Well Name: Curtis "S" #1
API: 15-101-22689
Location: Section 1 - T16S - R27W
License Number: 5123
Spud Date: 08 / 29 / 2023
Surface Coordinates: 330' FNL and 840' FWL
Approx. W2 - NE - NW - NW
Region: Lane Co., KS
Drilling Completed: 09 / 04 / 2023
Bottom Hole Coordinates:
Ground Elevation (ft): 2559' K.B. Elevation (ft): 2566'
Logged Interval (ft): 3700' To: 4530' Total Depth (ft): 4530'
Formation: Mississippian
Type of Drilling Fluid: Chemical - MudCo

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

OPERATOR

Company: Pickrell Drilling Co., Inc
Address: 929 W Douglas Ave
Wichita, KS 67213

GEOLOGIST

Name: Aaron L. Young and Wes Hanson
Company: Pickrell Drilling Co., Inc.
Address: 929 W Douglas Ave
Wichita, KS 67213

General Info

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	RR	15-15-15	221'	221'	2.75
2	7-7/8	SMITH X516	15-15-15	4530'	4308'	42.75

SURVEYS: 221'-.75, 1227'-.25, 1735'-.75, 2238'-.75, 2680'-.75, 4114'-MISRUN, 4368'-.75

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 12,000 lbs. on bit and approx 80-90 RPM.
Pumping 55 strokes/min @ approx 800-1000 psi at standpipe.

Daily Status

8/30/23: Today's depth 627'. Spud well at 11:15 AM on 8/29/23. SHT @ 221' = 3/4°. Set 5jts 8-5/8" surface casing. Set at 220' (Tally 211.00'). Cement surface casing w 150sx Standard cement w 2% gel, 3%CC. Cement did circulate. Swift ticket #36682. WOC. Drilling ahead at 627'.

8/31/23: Today's depth 2649'. SHT @ 1227' = 1/4°. SHT @ 1735' = 3/4°. SHT @ 2238' = 3/4°. Drilling ahead at 2649'.

9/01/23: Today's depth 3840'. SHT @ 2680' = 3/4°. CFS in Lansing 'E' zone @ 3840'.

9/02/23: Today's depth 4114'. Ran DST #1. LKC 'K' zone 4090-4114' 30-60-30-60. Drilling ahead

9/03/23: Today's depth 4368'. SHT @ 4114' = Miss run. SHT @ 4368' = 3/4°. Drilling ahead.

9/04/23: Today's depth 4454'. Ran DST #2, Ft Scott zone 4318-4368' 30-60-45-60, and DST #3 Mississippian zone 4386-4454' 30-30-30-30.

9/05/23: 7:00 AM: RTD 4530', Eli TD 4529'. Lay down drill pipe.

9/06/23: RTD 4530', Eli TD 4529'. Plugging Information: 60/40 cement, 4% gel, 1/4# Flo Seal: 50 sx @ 2040', 80 sx @ 1240' 50 sx @ 600', 50 sx @ 270, 20 sx @ 60'. 30 sx/rathole. Plug down 2:00 PM 9/5/23 by Swift. Rig down at 6:45 AM on 9/06/23.

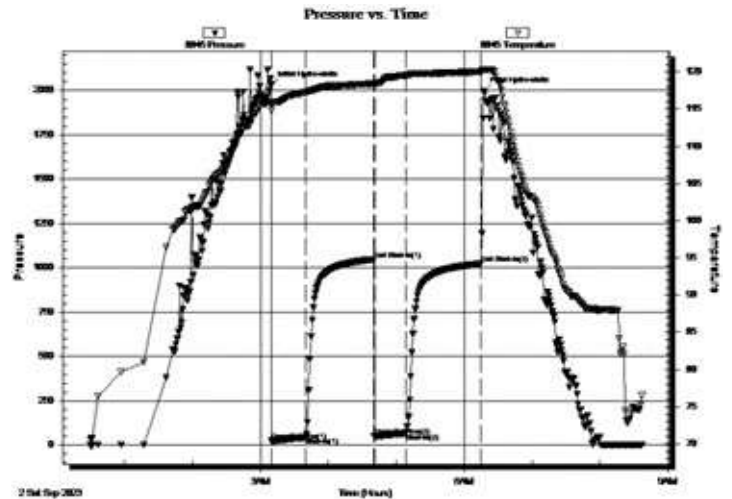
DST #1

LKC K Zone 4090'-4114'
30"-60"-30"-60"

IF: 1.5" blow
ISI: No return
FF: 1" blow
FSI: No return

Rec'd: 80' Mud w/ oil spots

SIP: 1048-1023#
FP: 23-45#, 49-67#
HP: 2032-1997#



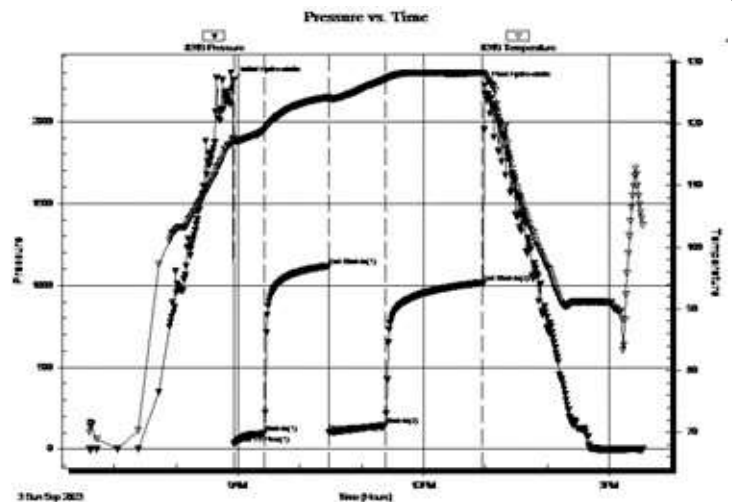
DST #2

Ft. Scott 4318'-4368'
30"-60"-45"-90"

IF: 6" blow
ISI: No return
FF: 10" blow
FSI: No return

Rec'd: 240' MCW (15% M, 85% W) w/ oil spots

SIP: 1119-1016#
FP: 32-97#, 103-1454#
HP: 2251-2219#



DST #3

Miss 4386'-4454'

30"-30"-30"-30"

IF: 1.75" blow

ISI: No return

FF: 1" blow

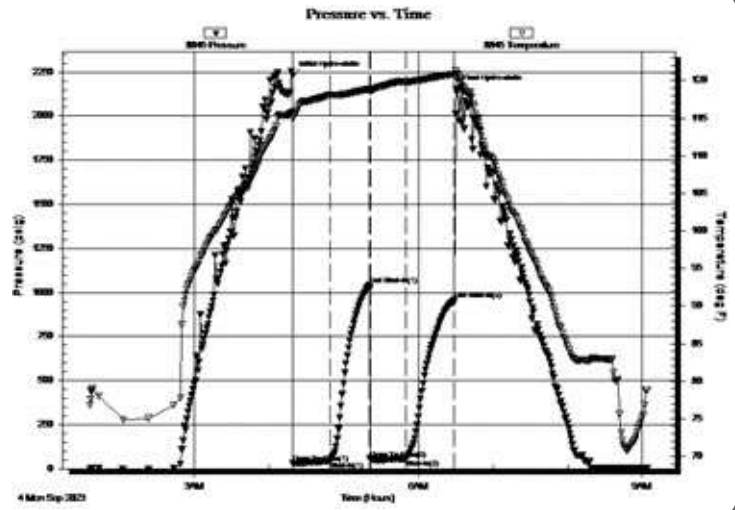
FSI: No return

Rec'd: 20' Oil (100% O), 65' OCM (25% O, 75% M)

SIP: 1043-957#

FP: 31-46#, 55-57#

HP: 2228-2150#



ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol

- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol

- Shgy
- Sltst
- Ss
- Till
- Carb sh
- Dol
- Dtd
- Gry sh

- Sandylms
- Shale
- Sltstn
- Shlyslts
- Slttysh
- Lms

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Silty

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn

- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

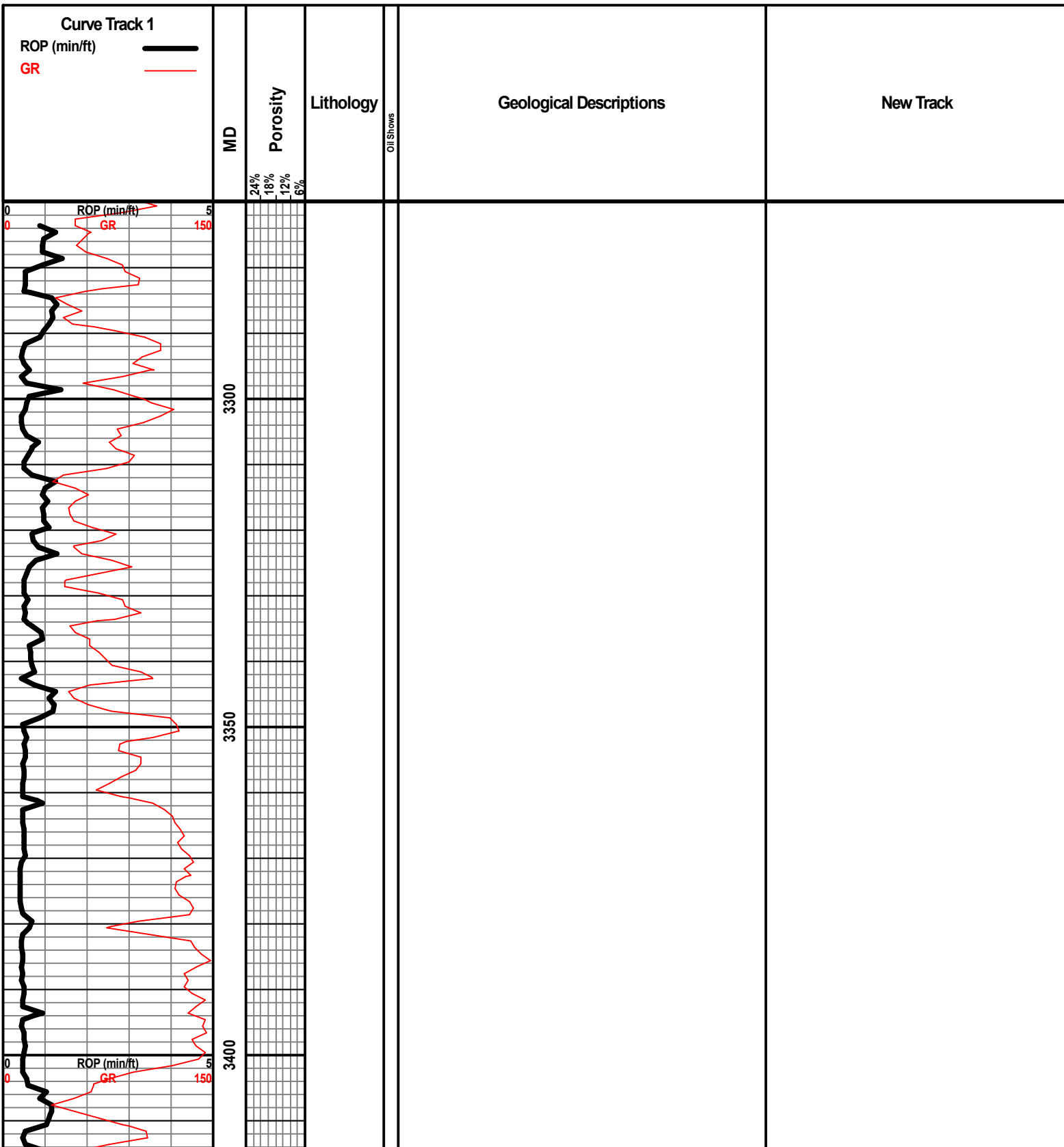
INTERVALS

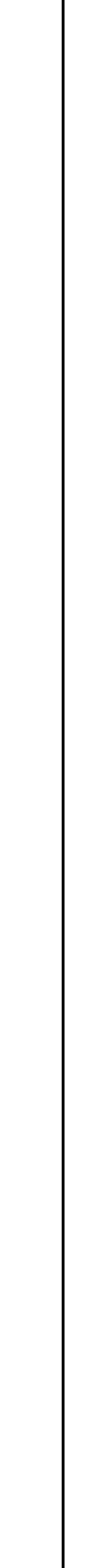
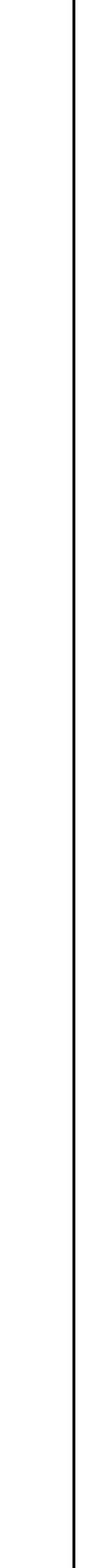
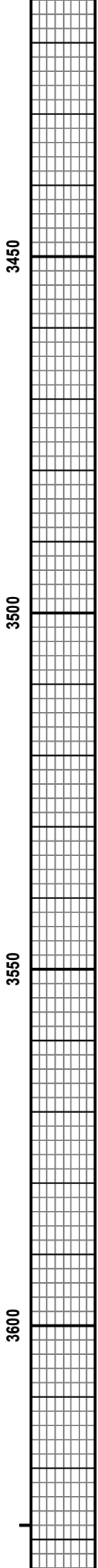
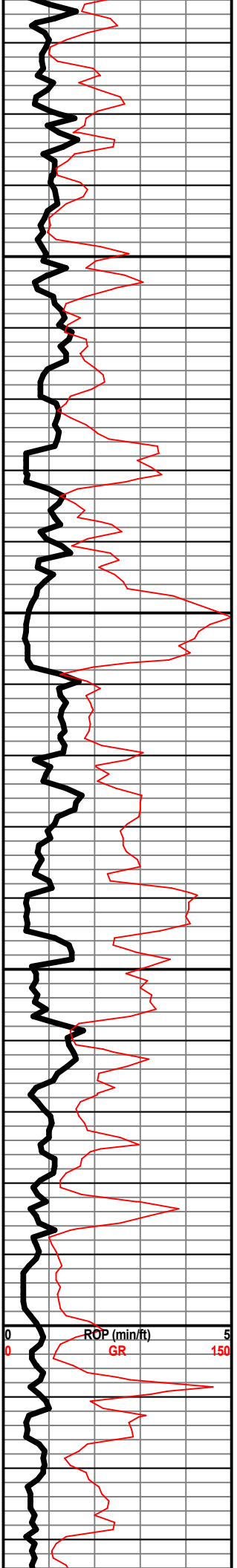
- Core
- Dst

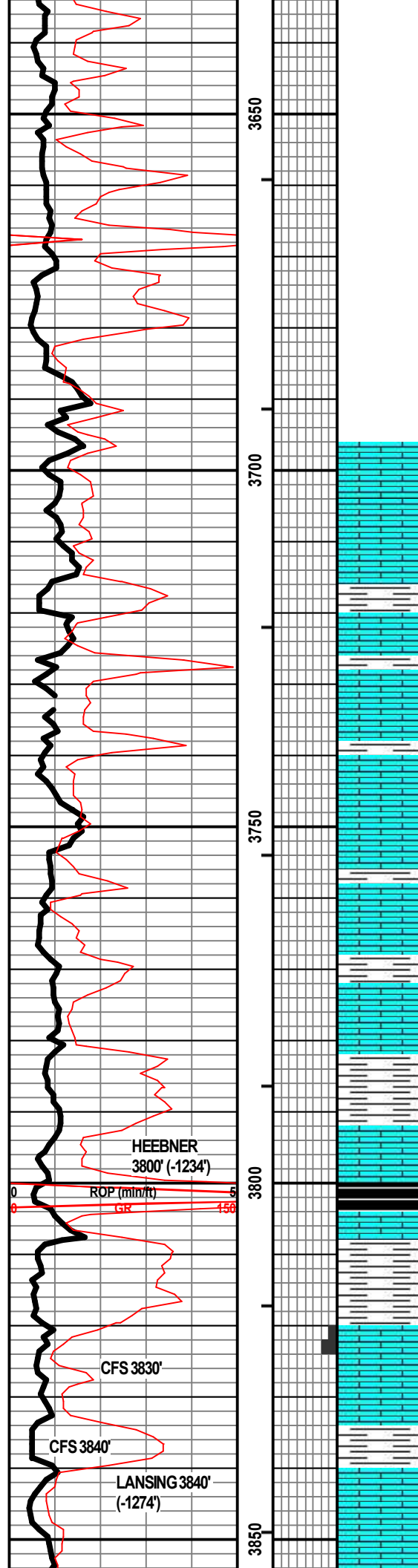
Dst

EVENTS

- Rft
- Sidewall
- Conn







Ls: pred. tan, lt bm fn granular, poor visible por., N.S.; some gray Siltst and shale

WT 8.9
VIS 44
LCM 1#

Ls various tan, lt bm fn-vfxln, fossili. IP, some inter-particle por., N.S.; other offwhite, tan mic-vfxln dense; sl incr. lt gray Siltst, occ black shale, more gray shale

Ls: various tan, lt bm, offwhite vfxln, some por. AA thin gray shales; trace bm chert

Ls offwhite, tan, lt gray mic-vfxln, fossil. IP; Sh: med to dark gray

Ls tan, lt bm, offwhite granular with inter-particle por. shale AA

Ls offwhite, tan mic-vfxln with pnpt por., subchalky IP, N.S.

Ls mottled offwhite/bm fossil, some intra-fossil por., N.S.

WT 8.9
VIS 68
LCM 2#

Sh: influx black carbon.; Ls: mottled AA, occ bm cryptoxln

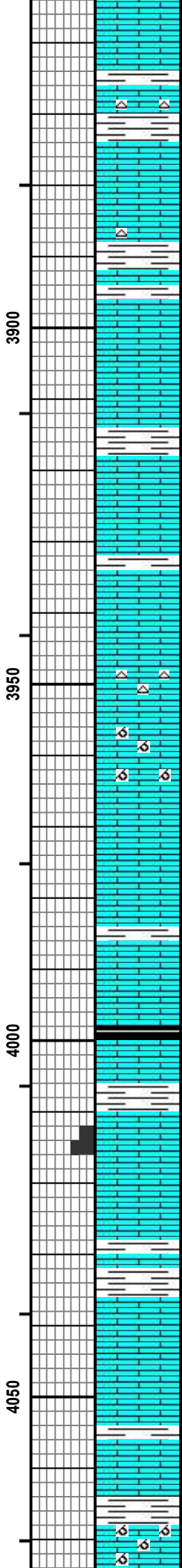
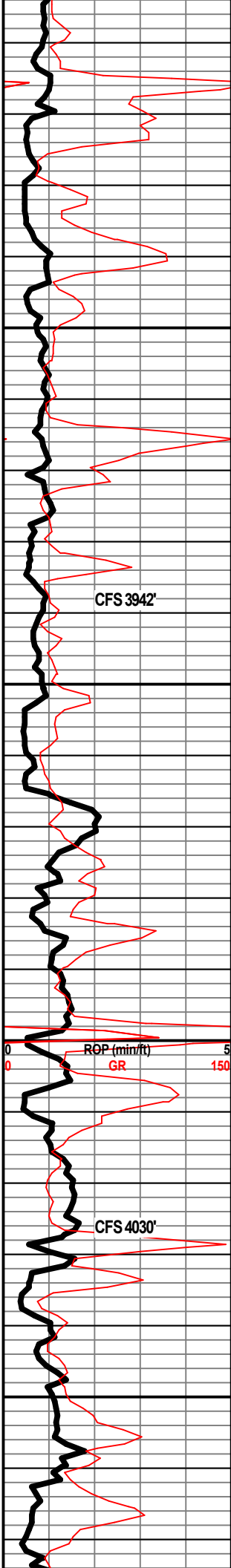
Sh: influx lt to med gray; Ls: mix AA with lt gray cryptoxln and offwhite mic-vfxln subchalky IP

Ls: flood offwhite mic-vfxln dense, subchalky IP, some pnpt por., N.S.

WT 9.0
VIS 57
LCM 2#

Sh: lt to med gray Ls: gray granular, NVP; offwhite, tan mic-vfxln, dense, subchalky IP

Ls: tan, lt bm granular with some inter-particle por.; offwhite subchalky; scatt. lt gray chert Sh: some re-bm, gray



Ls: flood offwhite, tan mic-vfxln dense, subchalky IP Chert: scatt. offwhite, opq

Ls: mix tan, lt gray vf-cryptoxln and offwhite mic-vfxln dense, subchalky to chalky, N.S.; minor Sh: gray, red-bm

Ls: mix AA; scatt. tan, gray chert

Ls: very pred. mix AA; very scatt. offwhite dense with speckled bm to black stain, no odor, nfo

Ls: AA becoming more subchalky to chalky; occ offwhite, opq chert; rare stain AA with vsl show oily film

Ls: pred. offwhite mic-vfxln subchalky with pnpt por., N.S.; other tan, lt gray, lt bm vf-cryptoxln, N.S.

Ls: mix AA with fair influx lt gray subtranslucent Chert

Ls: mix AA with sl influx offwhite, tan oolitic with some poor to fair oomoldic por., N.S.

Ls: pred. offwhite mic-frxn, fossil. IP, some intra-particle por; offwhite subchalky to occ chalky; lesser gray, tan vf-cryptoxln

Sh: influx black carbon.; Ls: AA with influx lt gray, lt bm vf-cryptoxln, granular IP, NVP, N.S.

Ls: tan, lt gray, lt bm cryptoxln; abund. offwhite mic-vfxln dense, subchalky, N.S.; minor gray to black shale

Ls: tan, lt gray vf-cryptoxln and offwhite, tan mic-vfxln dense; Sh: med to dark gray, and black

Ls: mix AA with some lt bm cryptoxln; Shale mix AA

Ls: lt bm cryptoxln, gray vf-cryptoxln; abund. offwhite, tan mic-vfxln dense

Ls: pred. various dense AA with fair influx tan, offwhite and lt gray oolitic with fair spotty oomoldic por., N.S.

WT 9.2
VIS 50
LCM 1#

DST #1
LKC K Zone 4090'-4114'
30"-60"-30"-60"

WT 9.2
VIS 53
LCM 2#

IF: 1.5" blow
ISI: No return
EE: 1" blow

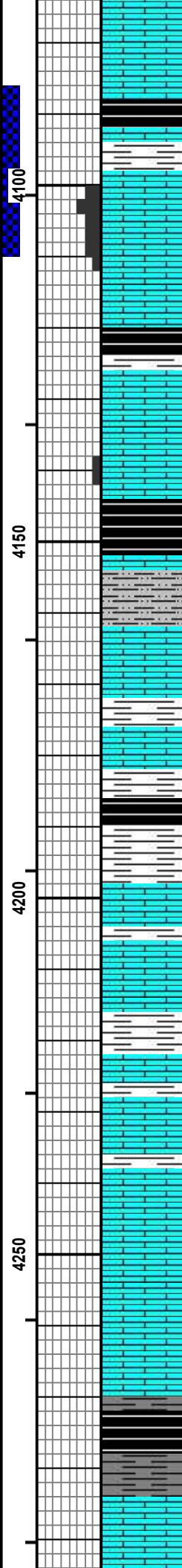
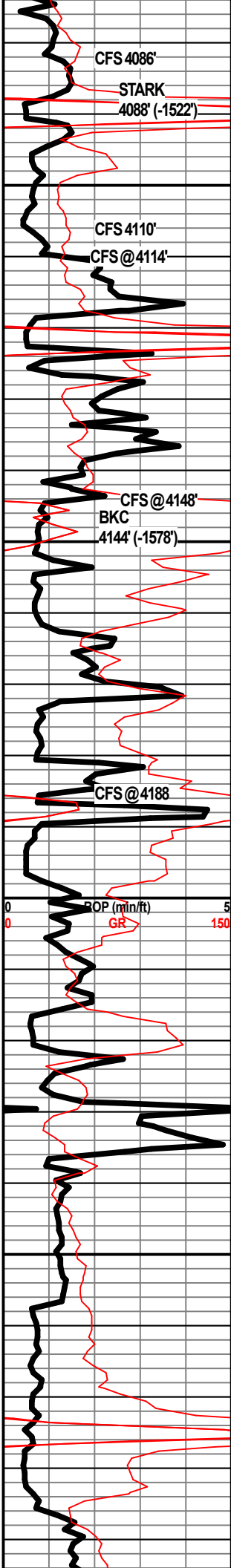
FF: 1 BLOW
FSI: No return

Rec'd: 80' Mud w/ oil spots

SIP: 1048-1023#
FP: 23-45#, 49-67#
HP: 2032-1997#

AARON YOUNG ON
LOCATION

WT 9.1
VIS 68
LCM 2#



SH - BLK, CARB

SH - GRN

LS - CRM / TAN, F XLN, ABUND FOSS, OOLITIC IN PT, F INTERXLN / INTERPART POR, FSFO, V LT OIL, F SHO OF GAS, F CUP ODOR, BRI YEL-GRN FLUOR

LS - CRM / TAN, F XLN, FOSS W/ MICRO FOSS, F INTERXLN POR, FSFO, V LT OIL, BRI YEL-GRN FLUOR

SH - BLK, CARB, W/ ABUND IRON STN, W/ LS - CRM / TAN, F XLN, MOD DNS / DNS, NO VIS POR, NS

LS - CRM / TAN, F / VF XLN, MOD DNS / SUBCHKY IN PT, FOSS IN PT, NO VIS POR, NS, W/ SH - GRN / GY / MAR / RD-ORNG

LS - CRM / TAN, F XLN, CRM / TAN / GY, F / M XLN, MOD DNS / DNS, VP VUG POR IN FEW PIECES, SSFO, SLI ODOR, TIGHT, BLEEDING O&G, BRI YEL-BRN FLUOR IN FEW SHO ROCKS

SH - BLK, CARB, W/ LS - LT GY / GY, F XLN, MOD DNS / DNS

LS - TAN / CRM / LT GY, F / M XLN, MOD DNS / DNS, W/ SH - LT GRN / GY, SLTY IN PT

LS - TAN / LT GY, M / F XLN, DNS, W/ SH - GY / GRN / MAR / PURP

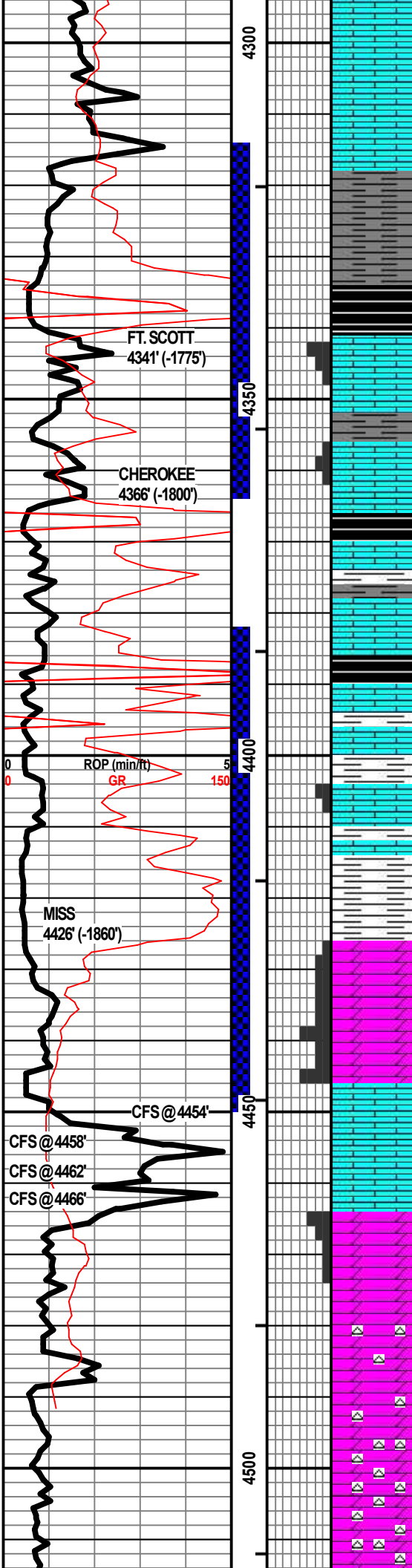
LS - CRM, VF XLN, SUBCHKY / CHKY, W/ SH - GY / GRN / MAR / PURP, W/ SH - BLK, CARB, ABUND IRON STN

LS - CRM / TAN, M / F / VF XLN, DNS / MOD DNS / SUBCHKY IN PT, FOSS, LRG CRIN STEMS, W/ SH - GY / GRN / MAR / PURP

LS - CRM / TAN / GY, M / F XLN, DNS / MOD DNS, FOSS IN PT, W/ SH - MAR / GRN

LS - TAN / GY, M XLN, DNS

SH - BLK, CARB, W/ SH - DK GY, W/ LS - LT GY / GY, F XLN, MOD DNS



LS - LT GY / GY, F / M XLN, MOD DNS / DNS

SH - DK GY, LMY IN PT

SH - BLK, CARB

LS - TAN / BRN, F / M XLN, OOLITIC IN PT, P / F INTERXLN POR, SSFO, V LT OIL, F CUP ODOR, BRI YEL-GRN FLUOR

LS - TAN / GY, F / M XLN, DNS, W / SH - DK GY / GY

LS - GY / TAN, F / M XLN, P / F INTERXLN POR, FOSS MOLDIC / VUG POR IN PT, FSFO, V LT OIL, SLI SHO OF GAS, V BRI YEL-GRN FLUOR IN SHO ROCKS

SH - BLK, CARB, W / LS - TAN / CRM, F XLN, MOD DNS / DNS, FOSS IN PT

LS - CRM / TAN, F / VF XLN, MOD DNS / SUBCHKY IN PT, W / SH - GRN / GY / MAR

SH - BLK, CARB, IRON STN, W / LS - TAN, F / M XLN, MOD DNS / DNS, W / SH - TURQ / GRN / GY

LS - TAN / GY / CRM, SLI DOLOMITIC, F XLN, FOSS, P INTERXLN POR, PRED SAT WITH DEAD FLAKY OIL, FEW PIECES W / GSFO WHEN BROKEN, LIVE OIL IN THOSE FEW PIECES, F CUP ODOR, DULL YEL-GRN FLUOR

DOLO - CRM / TAN, F XLN, FOSS IN PT, P INTERXLN & VUG POR, GSFO WHEN BROKEN, PRED TIGHT, F CUP ODOR, DULL YEL-GRN FLUOR, W / SH - TURQ / GRN / YEL / MAR

DOLO - TAN, F XLN, FOSS, F / G INTERXLN & INTERPART POR, VUG POR IN PT, GSFO, DRK BRN OIL, FEW TIGHT PIECES, FEW SUCR PIECES, F CUP ODOR, MOD YEL-GRN FLUOR

LS - CRM, VF / F XLN, SUBCHKY / CHKY, FOSS IN PT

DOLO - TAN, F XLN, ABUND FOSS, F / G INTERXLN & INTERPART POR, GSFO, TIGHT IN PT, FEW SUCR PIECES, F CUP ODOR, MOD YEL-GRN FLUOR

DOLO - CRM / LT GY, F XLN, SUCR IN PT, PRED MOD DNS, VP INTERXLN POR IN PT, SLI STN IN PT, SLI CUP ODOR, SLI MINERAL FLUOR, PYRITIC IN FEW PIECES

DOLO - CRM / LT GY, F XLN, MOD DNS / DNS, PYRITIC IN PT, CHTY IN PT, W / CHT - LT GY / WHT, SLI TRANSLUCNT IN PT, PRED OPAQ, FRSH, FOSS IN PT

DOLO - CRM, F XLN, MOD DNS, CHTY IN PT

DOLO - CRM, F XLN, MOD DNS, W / ABUND CHT - GY OPAQ

DST #2
Ft. Scott 4318'-4368'
30"-60"-45"-90"

IF: 6" blow
ISI: No return
FF: 10" blow
FSI: No return

Rec'd: 240' MCW (15% M, 85% W) w/ oil spots

SIP: 1119-1016#
FP: 32-97#, 103-1454#
HP: 2251-2219#

WT 9.3
VIS 68
LCM 2#

DST #3
Miss 4386'-4454'
30"-30"-30"-30"

IF: 1.75" blow
ISI: No return
FF: 1" blow
FSI: No return

Rec'd: 20' Oil (100% O), 65' OCM (25% O, 75% M)

SIP: 1043-957#
FP: 31-46#, 55-57#
HP: 2228-2150#

WT 8.8
VIS 50
LCM 4#

WT 9.5
VIS 62
LCM 3#

