

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) (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	MELODIE 1-20
Doc ID	1462441

All Electric Logs Run

Microlog
Porosity
Resistivity
Sonic

WF



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1000335	1718	03/15/2019
INVOICE NUMBER 92930405			

Pratt (620) 672-1201
 B BEREXCO LLC
 I 2020 N BRAMBLEWOOD
 L WICHITA
 L KS US 67206
 T
 O ATTN: VICKEY LOVETTE

J LEASE NAME Melodie 1-20
 O LOCATION
 B COUNTY : Finney
 S STATE : KS
 I JOB DESCRIPTION : Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41165789			Net - 30 days	04/14/2019

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/14/2019 to 03/14/2019</i>				
0041165789				
171819340L Cement-New Well Casing/Pi 03/14/2019 Cement Surface Casing				
A-Serv Lite	650.00	EA	7.41	4,816.50 T
150 Sk. - Premium Plus Cement	1.00	EA	1,393.50	1,393.50 T
1980 Lb. - Calcium Chloride	1.00	LB	1,188.00	1,188.00 T
200 Lb. - Celloflake	1.00	LB	422.00	422.00 T
Guide Shoe - Regular, 8 5/8" (Blue)	1.00	EA	380.00	380.00
Flapper Type Insert Float Valves. 8 5/8"	1.00	EA	280.00	280.00
Centralizer, 8 5/8" (Blue)	3.00	EA	90.00	270.00
Top Rubber Cement Plug, 8 5/8"	1.00	EA	225.00	225.00
180 Miles - Heavy Equipment Mileage	1.00	MI	770.40	770.40
800 Sk.-Blending & Mixing Service Charge	1.00	BAG	640.00	640.00
2121 Tn/Mi-Proppant & Bulk Del. Chg.	1.00	EA	3,033.03	3,033.03
Depth Charge; 1001'-2000'	1.00	EA	855.00	855.00
Plug Container Utilization Charge	1.00	EA	142.50	142.50
60 Miles-Unit Mileage Chg	1.00	MI	154.20	154.20
"Service Supervisor, first 8 hrs on loc.	1.00	EA	99.75	99.75
Cement Data Acquisition Monitor	1.00	EA	313.50	313.50

*per bid
BCP*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	14,983.38
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	621.69
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	15,605.07
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

Customer:	Berexco Inc	Cement Pump No.:	38117 19919 15HRS	Operator TRK No.:	78938
Address:	2020 N BRAMBLEWOOD	Ticket #:	1718 19340 L	Bulk TRK No.:	27808 19883 Sam 70897 37725 Oscar
City, State, Zip:	WICHITA KS 67206	Job Type:	Z42 - Cement Surface Casing		
Service District:	1718-Liberal KS	Well Type:	OIL		
Well Name and No.:	Melodie 1-20	Well Location:	20,21,32	County:	Finney
				State:	Ks

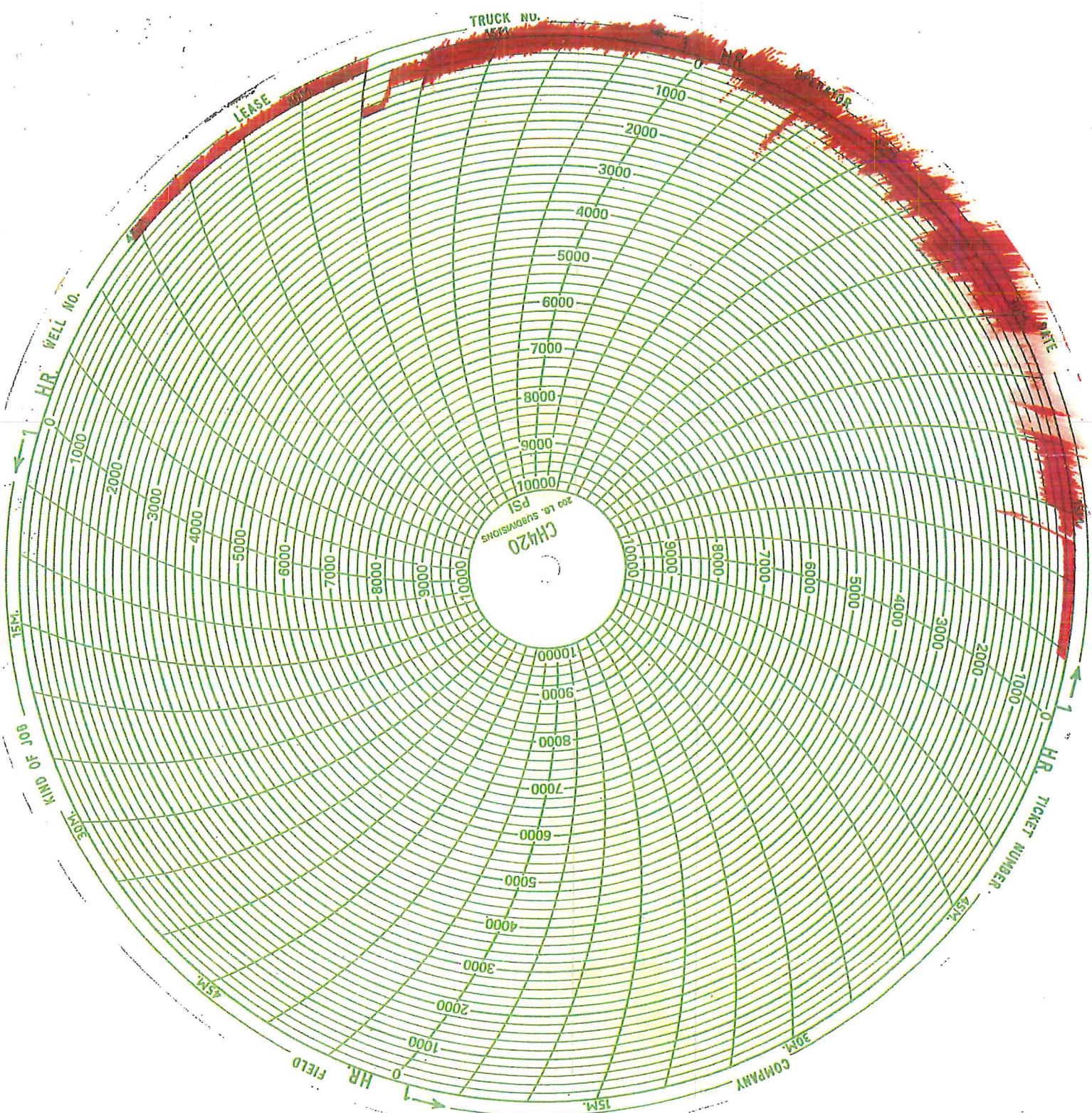
Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Serv Lite	650	3% Calcium Chloride, + 1/4pps Cello flake	27808 19883 Sam	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, + 1/4pps Cello flake	70897 37725 Oscar	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	12.3	2.08	11.52	1352	TT Man Hours:	64
Tail:	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
7:45am							Arrived at location
13:30pm							Rig up/Prime up pump
14:00pm							Safety meeting
14:14pm					1500		Pressure test lines to 1500 psi
14:16pm	6	240.8			180		Pump lead 240.8 bbls from 650sks @ 12.3#
14:51pm	6	35.8			180		Pump tail 35.8 bbls from 150sks @ 14.8#
15:01pm							Shut down/drop plug/wash pump and lines
15:02pm							Start displacement of 111.4bbls with fresh water
15:06pm	6	20			150		20bbls gone
15:10pm	6	40			210		40bbls gone
15:14pm	6	60			300		60bbls gone
15:18pm	6	80			450		80bbls gone
15:21pm	6	100			530		100bbls gone/slow down rate to bpm
15:24pm	3	111.4			1000		Bump plug
							Check if float holds
							Got 100bbls of cement to surface
							Rig down
							Job completed

Size Hole	12 1/4	Depth	1802 feet		TYPE	
Size & Wt. Csg.	8 5/8 24#	Depth	1792	New / Used	Insert float	1749.8
Shoe Joint	42 1/5	Depth			Retainer	Depth
Top Plugs		Type			Perfs	CIBP

Customer Signature: <i>Walter Brown</i>	Basic Representative:	Victor A. Corona
	Basic Signature:	<i>Victor A. Corona</i>
	Date of Service:	3/14/2019



03-14-18
 Peraco Inc
 Melodie 1-20
 Finney, KS
 Cement Surface Casing



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

20 21s 32w Finney Ks

2020 N Bramblewood
Wichita Ks 67206

Melodie 1-20

Job Ticket: 65203

DST#: 1

ATTN: Ed Grieves

Test Start: 2019.03.21 @ 07:16:00

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:

43000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	mcw 40m 60w	1.403

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

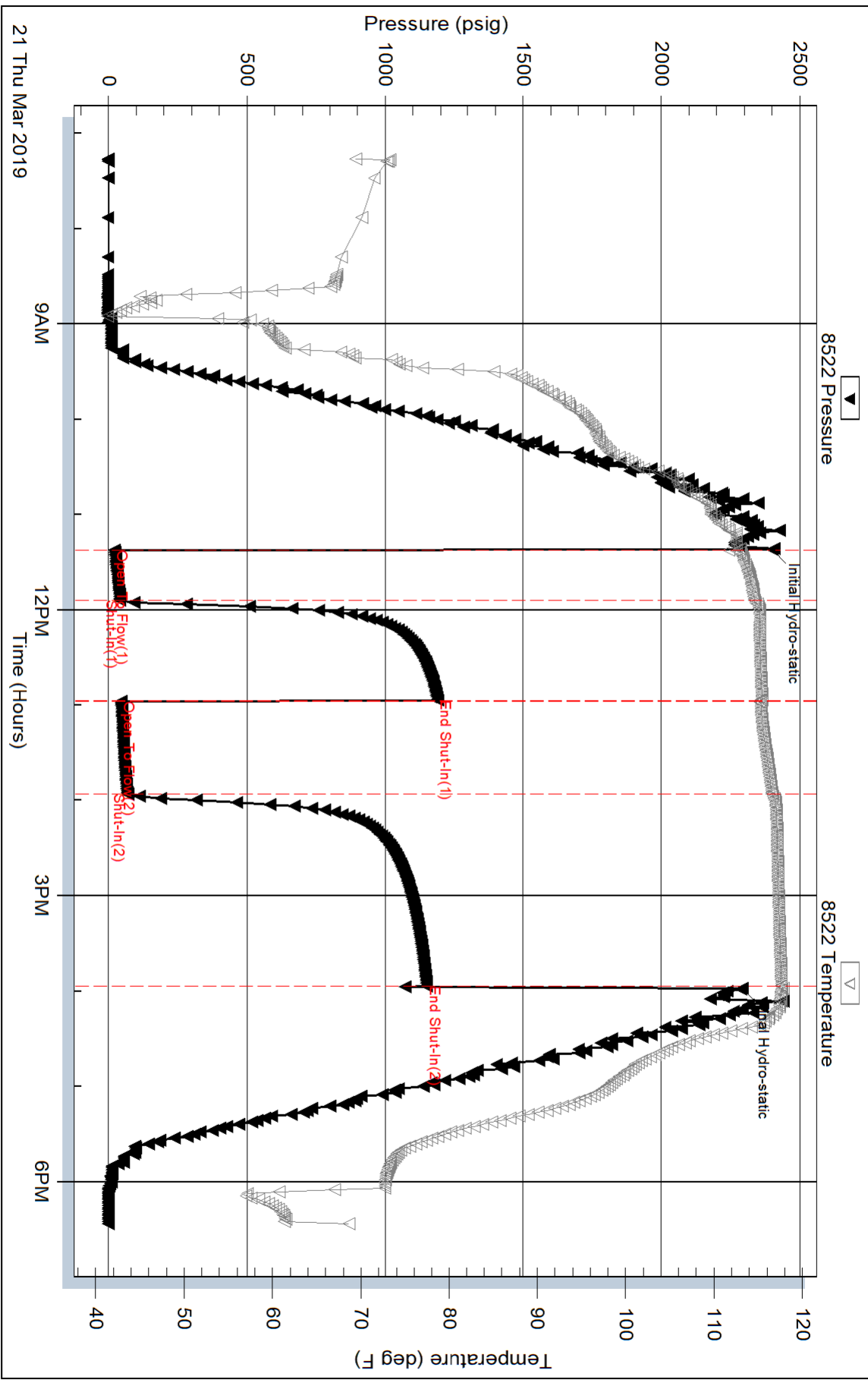
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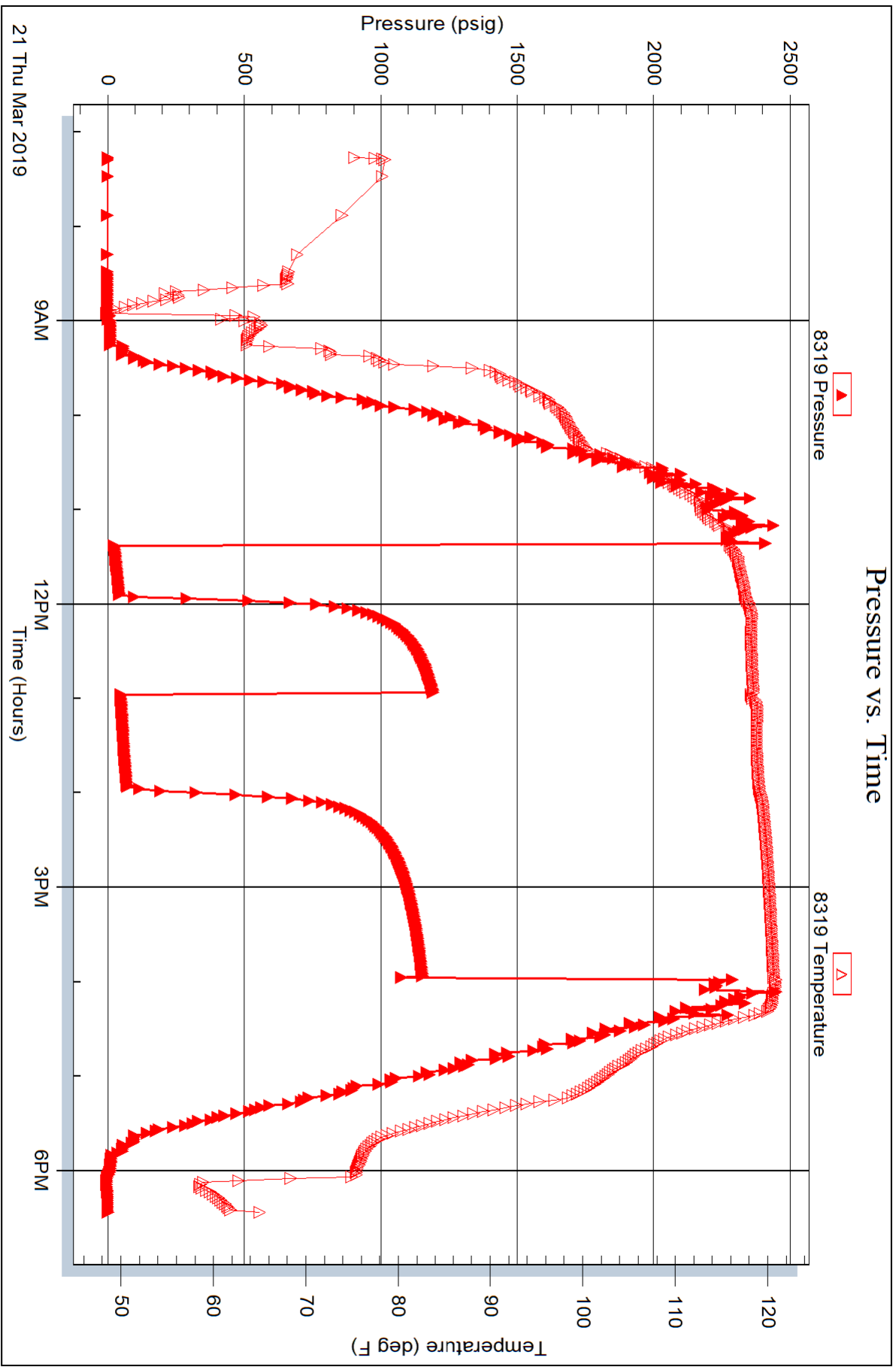
Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .195 @ 62f =43000ppm

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N Bramblewood
Wichita Ks 67206
ATTN: Ed Grieves

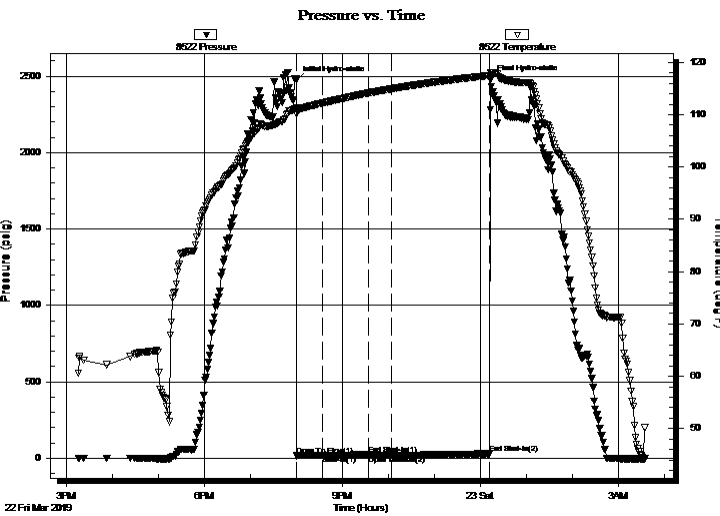
20 21s 32w Finney Ks
Melodie 1-20
Job Ticket: 65204 **DST#: 2**
Test Start: 2019.03.22 @ 15:16:00

GENERAL INFORMATION:

Formation: **St Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:00:30
Time Test Ended: 03:34:00
Interval: **4810.00 ft (KB) To 4827.00 ft (KB) (TVD)**
Total Depth: 4827.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 2908.00 ft (KB)
2896.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8522 Inside
Press@RunDepth: 20.28 psig @ 4811.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.03.22 End Date: 2019.03.23 Last Calib.: 2019.03.23
Start Time: 15:16:05 End Time: 03:34:00 Time On Btm: 2019.03.22 @ 20:00:15
Time Off Btm: 2019.03.23 @ 00:13:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2473.85	111.24	Initial Hydro-static
1	17.20	110.19	Open To Flow (1)
34	18.94	112.22	Shut-In(1)
94	24.23	114.12	End Shut-In(1)
94	18.57	114.14	Open To Flow (2)
124	20.28	114.94	Shut-In(2)
251	30.48	117.49	End Shut-In(2)
253	2475.18	118.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud 100m	0.04

* 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

20 21s 32w Finney Ks

2020 N Bramblewood
Wichita Ks 67206

Melodie 1-20

Job Ticket: 65204

DST#: 2

ATTN: Ed Grieves

Test Start: 2019.03.22 @ 15:16:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud 100m	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

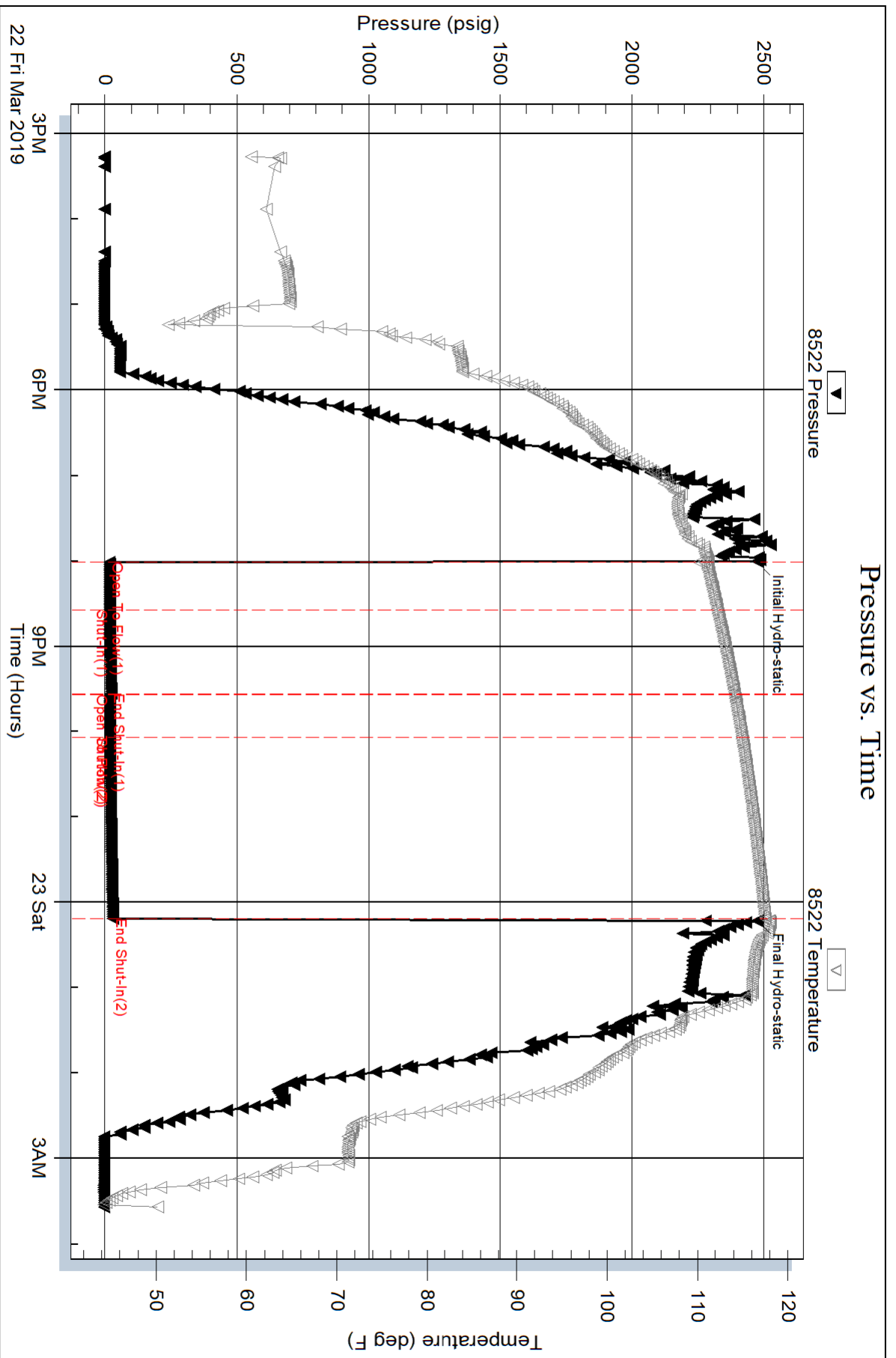
Serial #: 8522

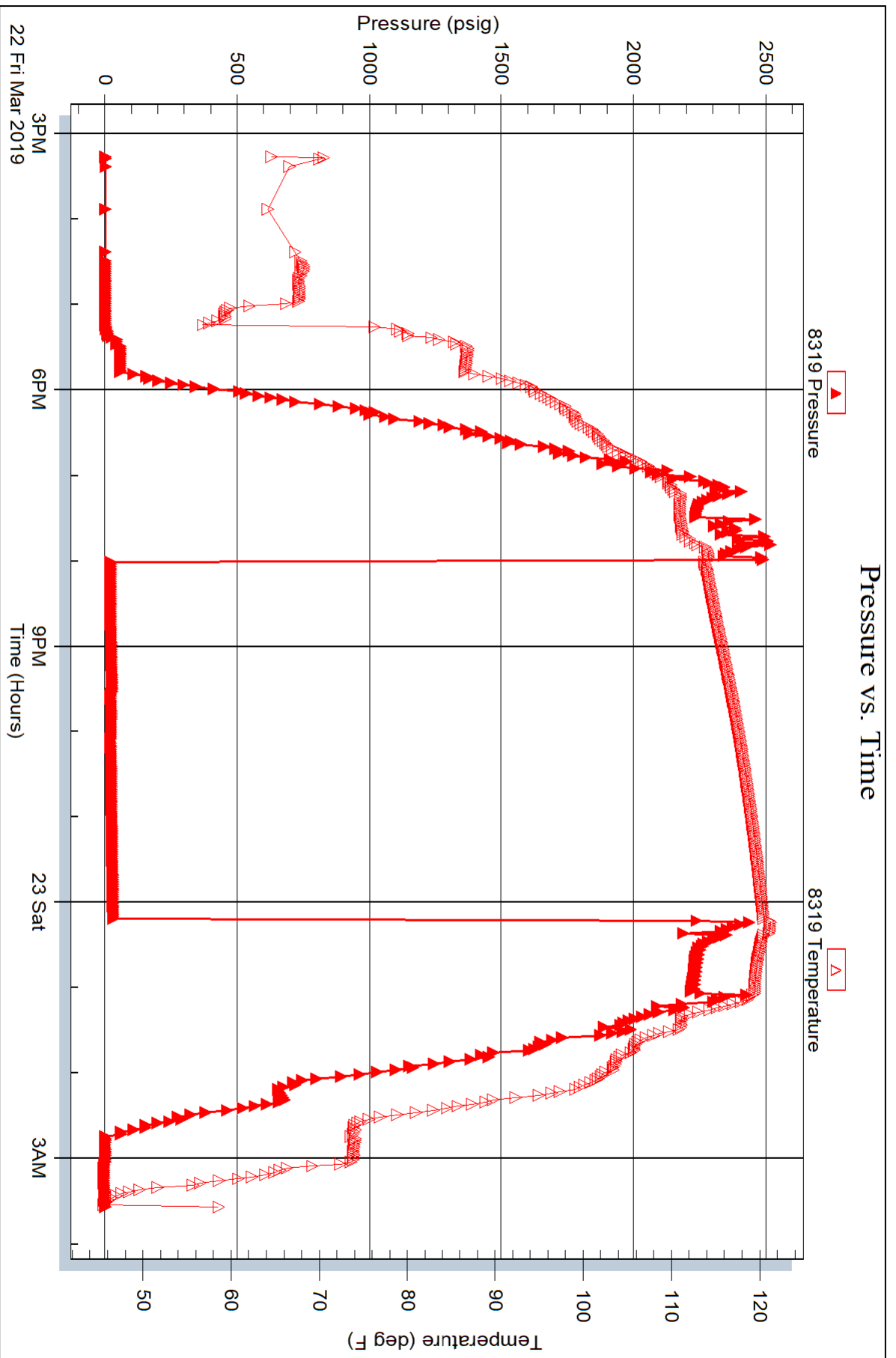
Inside

Berexco LLC

Melodie 1-20

DST Test Number: 2







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N Bramblewood
Wichita Ks 67206
ATTN: Ed Grieves

20 21s 32w Finney Ks
Melodie 1-20
Job Ticket: 65205 **DST#: 3**
Test Start: 2019.03.24 @ 13:23:00

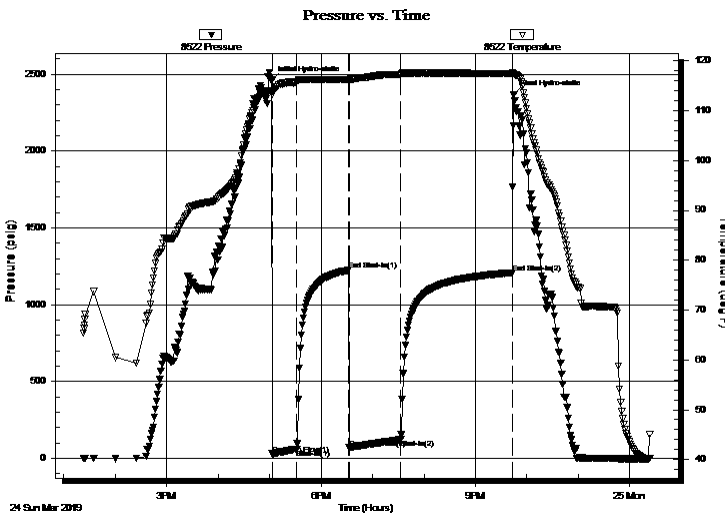
GENERAL INFORMATION:

Formation: **Base of Cherokee - S**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:02:45
Time Test Ended: 00:24:00
Interval: **4668.00 ft (KB) To 4950.00 ft (KB) (TVD)**
Total Depth: 4950.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 2908.00 ft (KB)
2896.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8522 Inside
Press@RunDepth: 121.79 psig @ 4669.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.03.24 End Date: 2019.03.25 Last Calib.: 2019.03.25
Start Time: 13:23:05 End Time: 00:24:00 Time On Btm: 2019.03.24 @ 17:02:30
Time Off Btm: 2019.03.24 @ 21:44:45

TEST COMMENT: 30- IF: 7 1/2" blow .
60- IS: No return.
60- FF: 8" blow .
120- FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2457.79	114.00	Initial Hydro-static
1	28.91	113.20	Open To Flow (1)
30	60.17	115.80	Shut-In(1)
90	1224.71	116.22	End Shut-In(1)
90	67.23	116.09	Open To Flow (2)
151	121.79	117.27	Shut-In(2)
281	1208.17	117.45	End Shut-In(2)
283	2367.45	117.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	mcw 50m 50w	3.16

* 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

20 21s 32w Finney Ks

2020 N Bramblewood
Wichita Ks 67206

Melodie 1-20

Job Ticket: 65205

DST#: 3

ATTN: Ed Grieves

Test Start: 2019.03.24 @ 13:23:00

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:

54000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
225.00	mcw 50m 50w	3.156

Total Length: 225.00 ft Total Volume: 3.156 bbl

Num Fluid Samples: 0

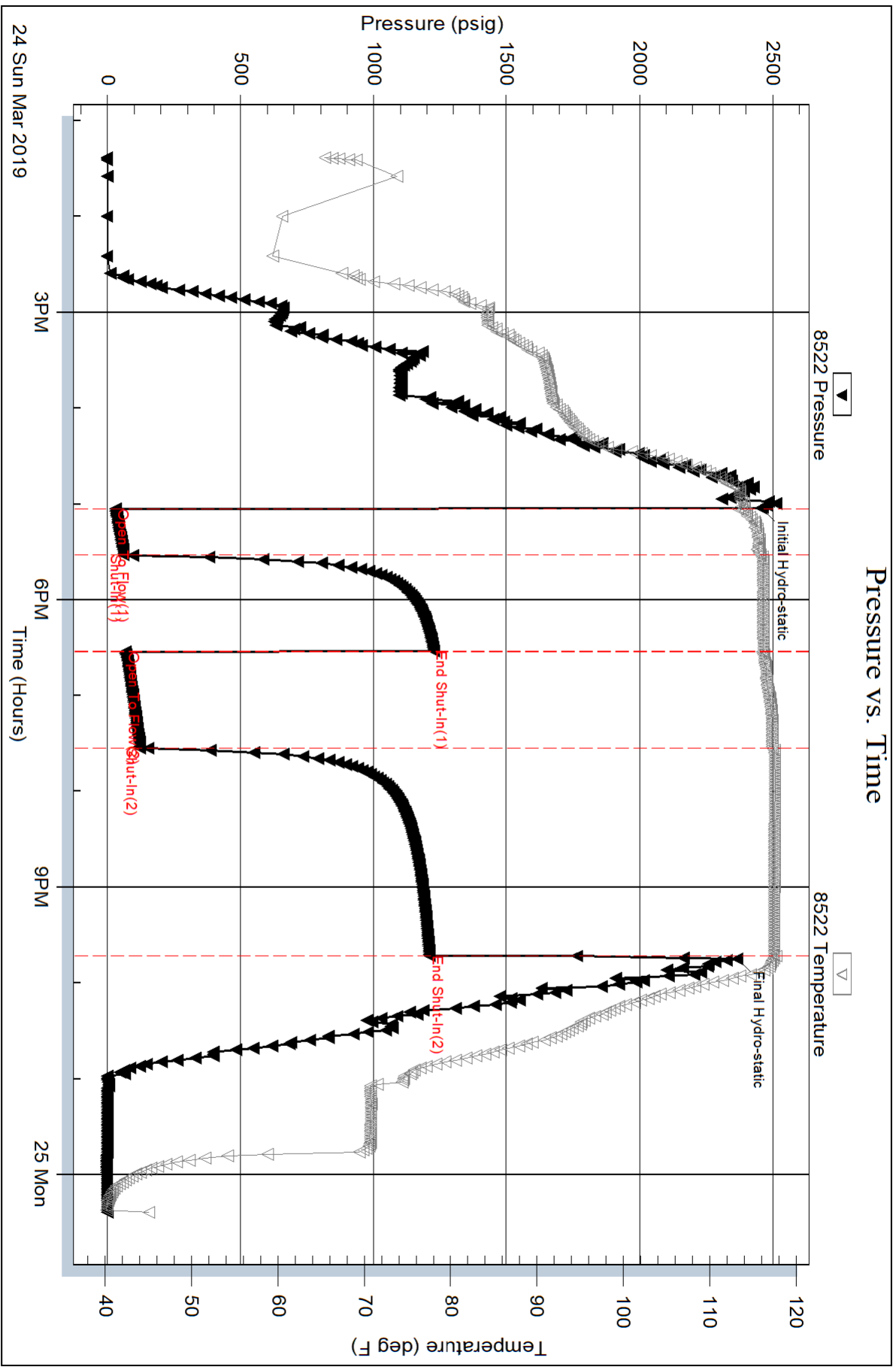
Num Gas Bombs: 0

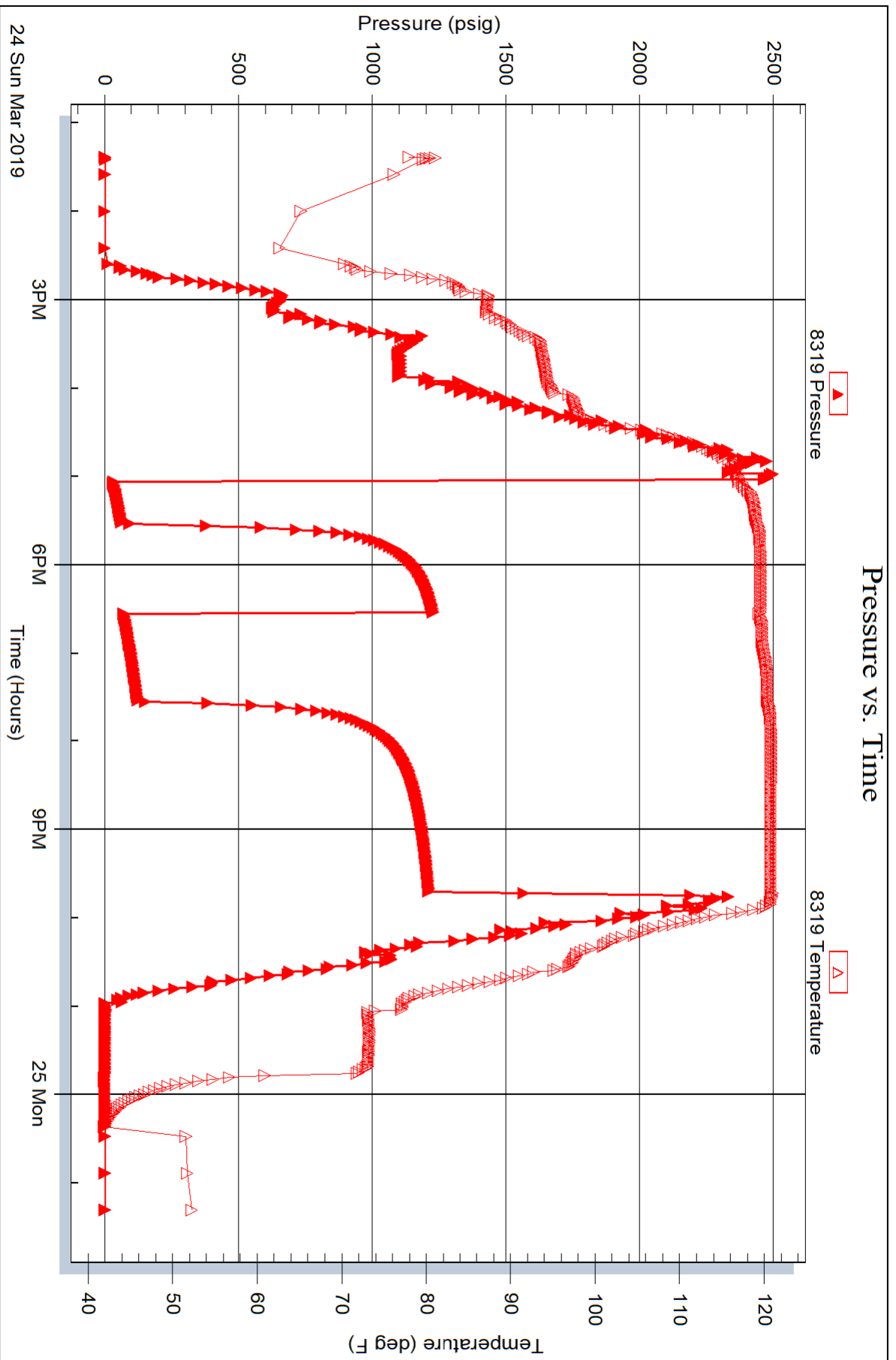
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .171 @ 57F = 54,000ppm





GEOLOGIST'S REPORT

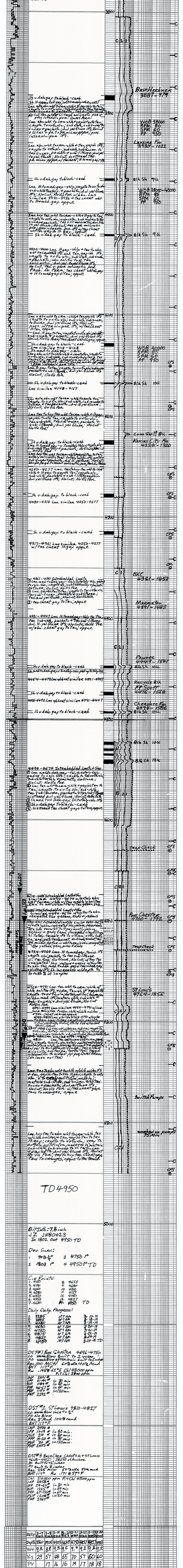
DRILLING TIME & SAMPLE LOG

COMPANY: Berexco LLC NO. 1-20
LEASE: Melodie RING 32W
LOCATION: 900' ENL + 531' EEL
SEC. 20 TWP 21S RING 32W
COUNTY: Finney STATE: Kansas
FIELD: Wildcat
CONTRACTOR: Berexco Ddy - Rig #
COMM. 3-11-2019 COMP. 3-24-2019
RTD. 4950 LTD. 4953
No. of DST's: Two No. of Cores: None
DRILLING TIME: 3700 TO TD
SAMPLES EXAMINED FROM: 3700 TO TD
GEOLOGIST ON WELL: Edwin H. Grubbs

REMARKS: Earth Tech had an unmanned gas detection tri-zone on this well from 3700 feet to total depth.
It is obvious the geologist on this well, meaning me, was a cycle off on his Topsis in the upper part of this well. All I can say is there were no shows at all angles in the samples and if I did not know where I was in the hole part of the time.

Thank you, Edwin H. Grubbs, Geologist

LITHOLOGY: SANDSTONE, LIMESTONE, SHALE, CHEST.
CHROMATOGRAPH: HOT WIRE BY TOTAL GAS VOLUME
C1 = METHANE, C2 = ETHANE, C3 = PROPANE, C4 = BUTANE, C5 = PENTANE



TD 4950

BIT LOG: 7 1/2 inch JZ JNB0423 In 1802 out 4950 TD
Dev. Survs: 1. 703' 20" 3. 4750' 10" 2. 1803' 10" 4. 4950' 10" TD

Table with 2 columns: C/R Points (1-7) and TD (8-13). Values include 4655, 4690, 4720, 4750, 4825, 4850, 4950.

Table with 2 columns: Daily Dq. Progress (1-8) and TD (9-14). Values include 3285, 3482, 4630, 4750, 4815, 4827, 4950.

DST #1 Pos. Chester 4664-4750
10. weak flow built to 2 inches
20. weak flow after 10 min built to 2 inches
Rec 100 MUD 60% wt 40% Mud
Rt 117°F
Rw .145 @ 62°F Chl 43000 ppm P.T Chl 3800 ppm

DST #2 St. Louis 4810-4827
10. weak flow incr to 3/4"
Rec 2 Mud 100% mud
BHT 117°F
IHP 2474 #
IFP 12-19 # in 30 min.
SIP 24 # in 60 min.
FAP 19-20 # in 30 min.
EIP 1150 # in 120 min.
FAP 2475 #

DST #3 Base Heebner, Chester & St. Louis
4628-4950, 2824 at Anchor
FO 8 1/2 to 8 inches
Rec. 225 MCV 50% wt 50% mud
BHT 117° Rm .171 @ 57°F
Chl. 54000 ppm P.T Chl 45000 ppm
IHP 2458 #
IFP 29-60 # in 30 min
SIP 19 # in 60 min
FAP 67-122 # in 60 min
EIP 1208 # in 120 min
FAP 2367 #

Summary table with columns: Date, Depth, Wt., Vts., PV, YP, GS, WL, Calc, CH, C2, C4, C5. Values include 3-17-19, 3300, 29, 57, 17, 20, 1436, 7.3, 1/2, 10.5, 3100, 2.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0.

OPERATOR: Berexco LLC LOG# 900' ENL + 531' EEL
LEASE: Melodie NO. 1-20 SEC. 20 TWP. 21S RING. 32W
ELEVATION: 2908 KB RTD. 4950 COUNTY: Finney STATE: Kansas