

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
--	---

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	MINES A 5
Doc ID	1722409

All Electric Logs Run

Sonic
Porosity
Induction
Microlog
Radiation Guard

JUL 06 2023



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone: 785-324-1041 fax: 785-483-1087
Email: cementing@ruraltel.net

Date: 6/27/2023
Invoice # 3713

P.O.#:

Due Date: 7/27/2023

Division: Russell

Invoice

Contact:
Berexo LLC
Address/Job Location:

PO Box 723
Hays, KS 67601

Reference:
MINES A 5 SEC 13-2-30

Description of Work:
SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 932.75	No				
Common-Class A	250	\$ 5,384.09	Yes				
Calcium Chloride	9	\$ 526.91	Yes				
Pump Truck Mileage-Job to Nearest Camp	75	\$ 352.84	No				
Bulk Truck Matl-Material Service Charge	264	\$ 276.00	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	75	\$ 274.43	No				
Premium Gel (Bentonite)	5	\$ 151.59	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 7,898.62

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (197.47)

SubTotal for Taxable Items: \$ 5,911.03

SubTotal for Non-Taxable Items: \$ 1,790.13

Total: \$ 7,701.15

Tax: \$ 443.33

7.50% Decatur County Sales Tax

Amount Due: \$ 8,144.48

Applied Payments:

Balance Due: \$ 8,144.48

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.
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*Cement Surface Casing
BCP Intan*

MK

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3713

Date	6-27-23	Sec.	13	Twsp.	2	Range	30	County	Decatur	State	KS	On Location		Finish	10:00 AM
								Location Oberlin 6W 3N #13							

Lease	MINES		Well No.	A-S		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Contractor	DUKE					Charge To	BEREXCO LLC								
Type Job	SURFACE		T.D.	358		Street									
Hole Size	12 1/4		Depth			City	State								
Csg.	8 5/8		Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Tbg. Size			Depth			Cement Amount Ordered 2 SOA Com 3% CC 2% Cc 1									
Tool			Depth												
Cement Left in Csg.	20		Shoe Joint												
Meas Line			Displace	2 1/2											

EQUIPMENT

Pumptrk	17	No.	Cementer Helper	BILL	Common	250	
Bulktrk		No.	Driver	NICK	Poz. Mix		
Bulktrk		No.	Driver	CORY	Gel.	5	
		No.	Driver		Calcium	9	

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
set e	Sand
Cement w/ 2504	Handling 264
pump plug w/ 2 1/2	Mileage
Cement Bid Circ	

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge Surface
	Mileage 75

X Signature Juan Camacho

Thanks

Tax
Discount
Total Charge

JUL 12 2023



QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone:785-324-1041 fax:785-483-1087
Email: cementing@ruraltel.net

Date: 7/5/2023
Invoice # 3718
P.O.#:
Due Date: 8/4/2023
Division: Russell

Invoice

Contact:
Berexco LLC
Address/Job Location:

PO Box 723
Hays, KS 67601

Reference:
MINES A 5 SEC 13-25-30

Description of Work:
PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,243.67	Yes				
Common-Class A	165	\$ 3,553.50	Yes				
POZ Mix-Standard	110	\$ 805.00	Yes				
Pump Truck Mileage-Job to Nearest Camp	75	\$ 352.84	Yes				
Premium Gel (Bentonite)	10	\$ 303.18	Yes				
Bulk Truck Matl-Material Service Charge	285	\$ 297.95	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	75	\$ 274.43	Yes				
Flo Seal	75	\$ 156.82	Yes				
Dry Hole Plug	1	\$ 87.82	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 7,075.22
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (176.88)

SubTotal for Taxable Items:	\$ 6,898.34
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 6,898.34
Tax:	\$ 517.38

7.50% Decatur County Sales Tax

Thank You For Your Business!

Amount Due: \$ 7,415.72
Applied Payments:
Balance Due: \$ 7,415.72

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.
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BCP Intern
P+A

MR

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3718

Date	7-5-23	Sec.	13	Twp.	2S	Range	30	County	Decatur	State	Ks	On Location		Finish	10:30pm
								Location							
								O Berlin SW 3 N 2W							

Lease	Mines	A	Well No.	5	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Contractor	Duke				Charge To	Beretco LLC									
Type Job	PTA				Street										
Hole Size	7 7/8	T.D.			Depth										
Csg.				Depth											
Tbg. Size				Depth	City	State									
Tool				Depth	The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.				Shoe Joint	Cement Amount Ordered	275# 60/40-4 1/2 Flowseal									
Meas Line				Displace											

EQUIPMENT

Pumptrk	17	No.	Cementer	Bill	Common	165
			Helper		Poz. Mix	110
Bulktrk		No.	Driver	Jordan	Gel.	10
			Driver		Calcium	
Bulktrk	9	No.	Driver	Ross Doug	Hulls	
			Driver		Salt	

JOB SERVICES & REMARKS

Remarks:					
Rat Hole	20	Flowseal 75#			
Mouse Hole	15	Kol-Seal			
Centralizers	Mud CLR 48				
Baskets	CFL-117 or CD110 CAF 38				
D/V or Port Collar	Sand				
4350	50#	Handling 285			
2560	30#	Mileage			

FLOAT EQUIPMENT

400	50#	Guide Shoe	1 Dry Hole 8 5/8 plug
40	10#	Centralizer	
RH	20#	Baskets	
MH	15#	AFU Inserts	
		Float Shoe	
		Latch Down	
		Pumptrk Charge	Plug
		Mileage	75

X Signature Juan Cervantes

Thanks

Tax
Discount
Total Charge

Curve Track 1

ROP (min/ft)



Depth

Porosity Type

Porosity

Lithology

Oil Shows

Geological Descriptions

TG, C1-C5

0 10 35

6-29-2023

ROP (min/ft)

10

35

24%

18%

12%

6%

LS pale gy,hd,blky,v fnly xln,ns

SH red,frm,arg

LS aa

SH aa

LS crm,hd,dns,some p pp vuggy por,ns
abnt chky

TOPEKA
-3594(-785) S

SH aa v arg

0 10 360

ROP (min/ft)

10

360

3550

3650

6-30-2023

LS crm,v hd,dns,crptoxln, blky,ns

MUD DATA 3688' WT 8.9 VIS 55 FL 8.0
PH 11.0 CK 2 CL 1400 LCM 6

SS pale gn,wh,frm,vfg,cly filled,p por,ns

3700
3750
3800
3850
3900

DST#1
3758-3820'
ROP (min/ft)
0 10
CFS
DST#2
3810-50'
CFS
DST#3
3850-3900'
CFS 7-2-2023

SH red,v sft,v arg, with thin LS aa
LS crm,v hd,dns,blky
SH dk gy,blk,sl carb
SH red,v sft,v arg
LS/ PACKSTONE wh,frm,v foss,fr
moldic por,gd live oil stn,v gd cut & odor
abnt free oil in samples
LS pale gy,hd,blky,v fnly microxln,p
por,ns
SH red,v sft,v arg
LS wh,frm,foss,p-fr moldic por,spty live
brns tn,gd cut, faint odor
LS wh,hd,dns,blky,p por,ns chky ip
LS wh,sl hd,sl foss,pp moldic por,v
spty live brn stn,gd cut
384458 LS aa wh,v hd,dns,chky ip p
por,ns
SH red,v sft,v arg
LS wh,sl hd,microxln,foss, p-fr xln &
moldic por,spty live brn stn,gd cut
LS pale gy,v hd,dns,chky ip,p por,ns
LS wh,hd,sl foss,pp moldic por,v spty
live brn stn,fr cut
LS pale gy,v hd,dns,chky ip,p por,ns

DST#1 3758-3820' LANSING A ZONE
30-60-60-90 min.
IH 1890 IF 20-21 (.25" blw) ISI 241
FF 22-23 (NB) FSI 196 FH 1828
REC: 3' OSGM

LANSING A
3798(-989) S

MUD DATA 3822' WT 9.2 VIS 66 FL
8.0 PH 10.0 CK 2 CL 1700 LCM 7.0

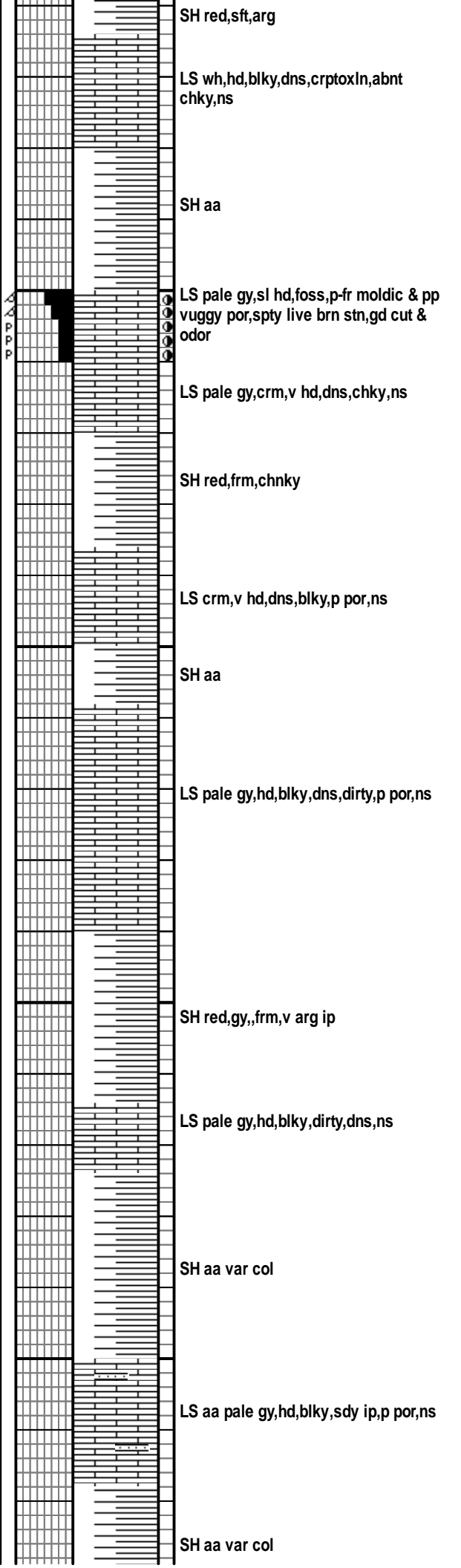
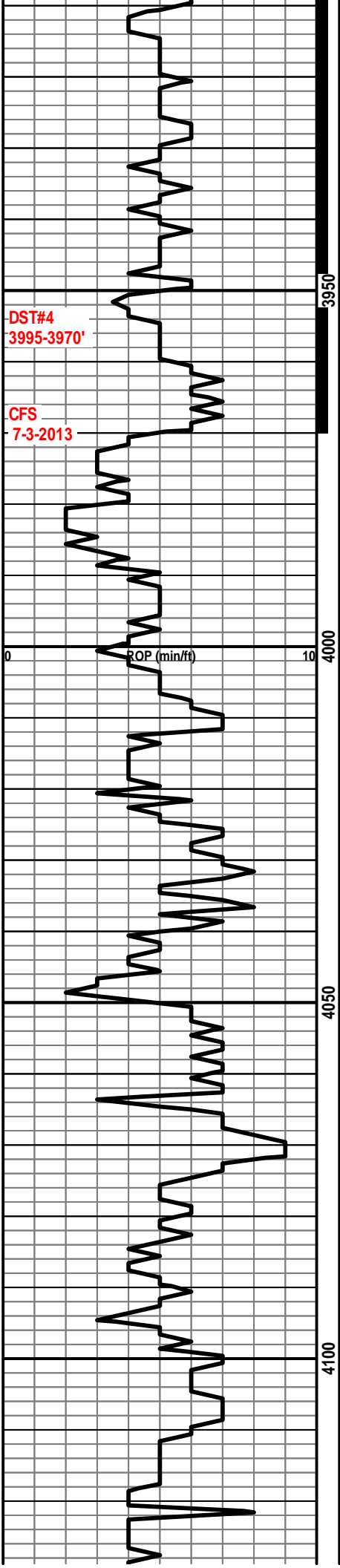
B ZONE
3828(-1019) S

DST#2 3810-50' B ZONE, 30-60-60-90
IH 1880 IF 19-23(wk surf. blw) ISI 211
FF 25-29 FSI 206 FH 1827
REC: 5' OCM (5% OIL)

C ZONE
3878(-1069) S

DST#3 3850-3900' C ZONE 30-60-60-90
min.
IH 1912 IF 15-16 (wk surf. blw) ISI
120 FF 17-18 FSI 112 FH 1887
REC: 2' OSM

MUD DATA 3900' WT 9.0 VIS 67 FL
7.6 PH10.0 CK 2 CL 1300 LCM 6



D ZONE 3914(-1105) S
DST#4 3895-3970' D & E ZONE 30-60-60-90 min. IH 1959 IF 17-23 (wk blw) ISI 620 FF 22-33 FSI 619 FH 1943 REC: 10' WM SPOTS OIL
E ZONE 3950(-1141) S
MUD DATA 3970' WT 9.2 VIS 76 FL 8.0 PH 10.0 CK 2 CL 1200 LCM 6
F ZONE 3986(-1177) S

7-4-2023

PAWNEE
4136(-1327) S

LS pale gy,hd,blky,dns,arg,p por,ns

SH gy,v sft,v arg

MUD DATA 4171' WT 9.0 VIS 63 FL
8.0 PH 10.0 CK 2 CL 1000 LCM 5

SS wh-trnsl,m-c gr,rnd-sang,p srted,fr
intgr por,spty blk dd tar stn,gd cut,no
live oil with thin SH aa

LS pale gy,hd,blky,dns,ns

ROP (min/ft)

SH red,v sft,v arg

SH aa / CONG abnt large sand
grs,rnd-ang

DOL,wh,hd,dns,p por,ns abnt large sand
grs aa

DOL wh,microIn,p-fr intIn por,ns

SS trnsl,fri,m gr,wsrted,fr-gd intg por,ns

SIMPSON SAND
4324(-1515) S

SS aa bcmg wh,frm,msrted,p vis por,ns
abnt glau

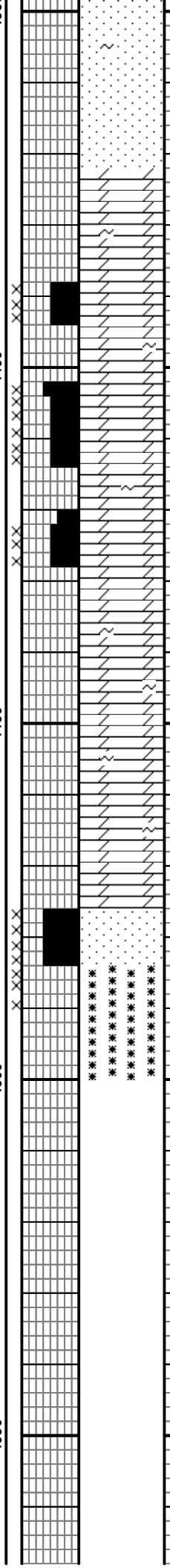
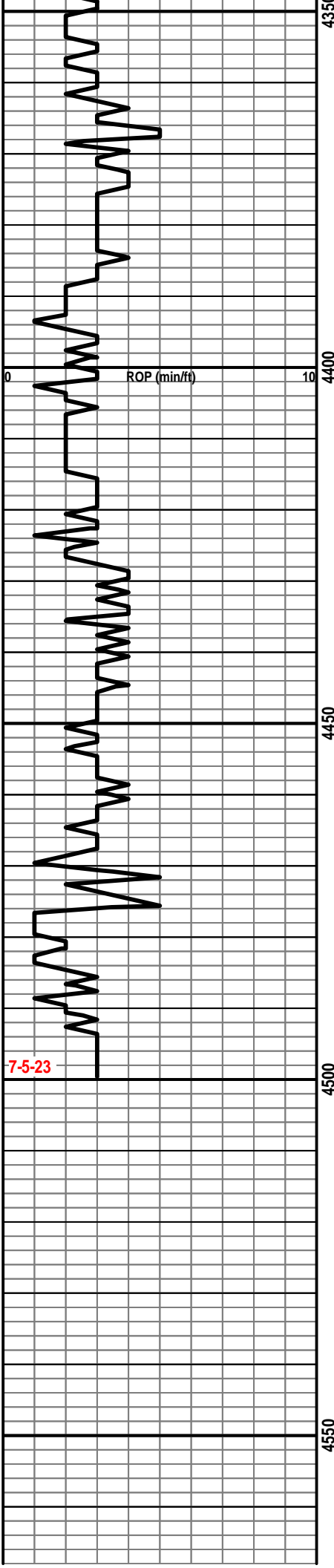
4150

4200

4250

4300

0



SS aa p-fr intgr por,ns,sl glau

DOL wh,v hd,blky,dns,abnt glau,p por,ns

DOL wh-crm,hd,micsuc texture,fr intxn por,ns

DOL wh,vhd,dns,abnt glau,p por,ns

DOL aa fr por,ns

DOL aa v hd,dns,abnt glau,p por,ns

DOL wh-crm,v hd,blky,dns, abnt glau

SS trnsl,fri,f-c gr,cln,fr-gd intgr por,ns

GRANITE WASH pk feld,biot,gz grdg to GRANITE pk,qtz,biot dns

ARBUCKLE
4372(-1567) S

REAGAN
4476(-1667) S

GRANITE WASH
4484(-1675) S

GRANITE
4494(-1685) S

7-5-23

4350
4400
4450
4500
4550



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco, LLC

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70962

DST#: 1

ATTN: Bryan Bynog

Test Start: 2023.06.30 @ 22:12:00

GENERAL INFORMATION:

Formation: **Lansing, A**

Deviated: No Whipstock: 2809.00 ft (KB)

Time Tool Opened: 00:44:30

Time Test Ended: 07:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: David Urban

Unit No: 67

Interval: 3758.00 ft (KB) To 3820.00 ft (KB) (TVD)

Reference Elevations: 2809.00 ft (KB)

Total Depth: 3820.00 ft (KB) (TVD)

2798.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8677

Press@RunDepth: 22.60 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.06.30

End Date: 2023.07.01

Last Calib.: 1899.12.30

Start Time: 22:12:05

End Time: 07:09:00

Time On Btm: 2023.07.01 @ 00:44:00

Time Off Btm: 2023.07.01 @ 04:45:00

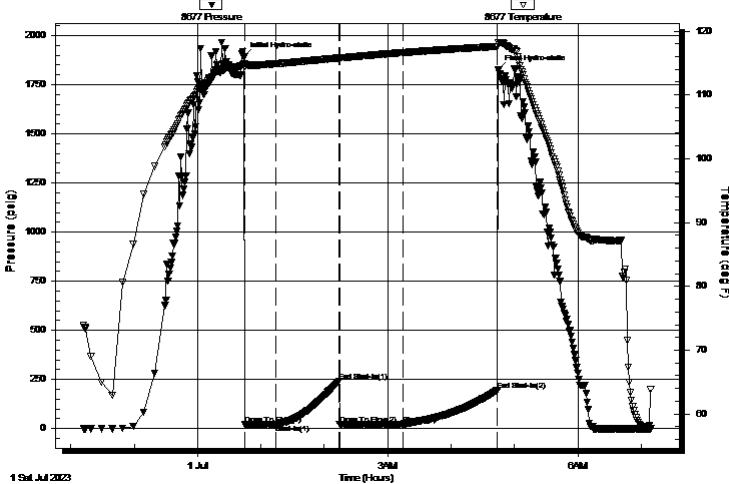
TEST COMMENT: IF-Weak surface blow, Built to 1/4" in 2 minutes, Died to strong surface after 10 minutes; Final died off.

IS- No return.

FF- No blow.

FS- No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1890.39	114.93	Initial Hydro-static
1	19.50	114.47	Open To Flow (1)
30	21.30	114.88	Shut-In(1)
90	240.63	115.79	End Shut-In(1)
91	22.18	115.75	Open To Flow (2)
151	22.60	116.63	Shut-In(2)
240	195.73	117.60	End Shut-In(2)
241	1827.79	118.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	GM w/oil spots- 5%G, 95%M	0.01
0.00	111' G- 100%G	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70962

DST#: 1

ATTN: Bryan Bynog

Test Start: 2023.06.30 @ 22:12:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	GM w/oil spots- 5%G, 95%M	0.015
0.00	111' G- 100%G	0.000

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

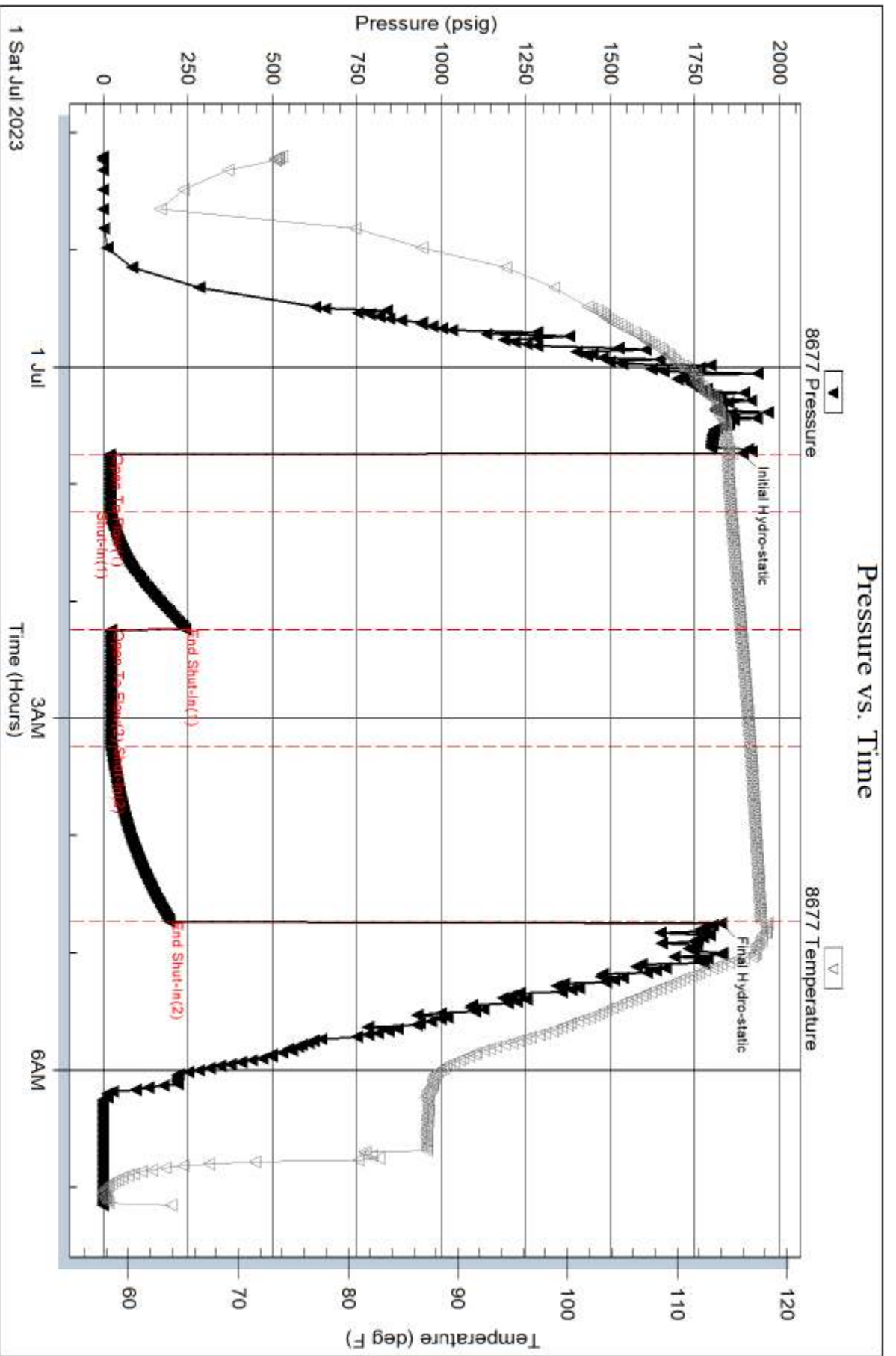
Num Gas Bombs: 0

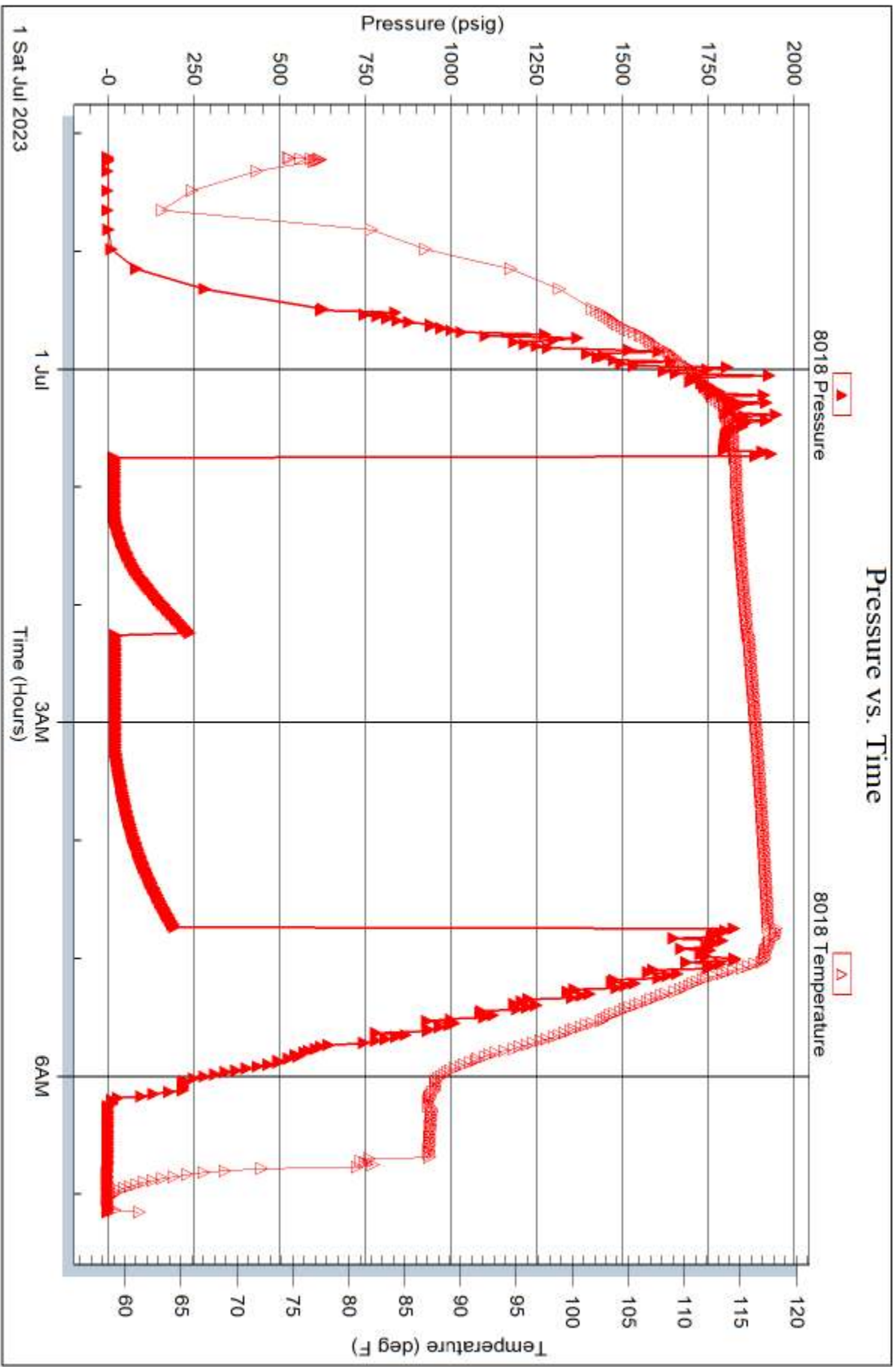
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM- 6#







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco, LLC

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70963

DST#: 2

ATTN: Bryan Bynog

Test Start: 2023.07.01 @ 15:10:00

GENERAL INFORMATION:

Formation: **Lansing, B**

Deviated: No Whipstock: 2809.00 ft (KB)

Time Tool Opened: 17:24:00

Time Test Ended: 23:37:00

Test Type: Conventional Bottom Hole (Reset)

Tester: David Urban

Unit No: 67

Interval: 3810.00 ft (KB) To 3850.00 ft (KB) (TVD)

Reference Elevations: 2809.00 ft (KB)

Total Depth: 3850.00 ft (KB) (TVD)

2798.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8677

Press@RunDepth: 28.85 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.07.01

End Date:

2023.07.01

Last Calib.:

1899.12.30

Start Time: 15:10:05

End Time:

23:36:59

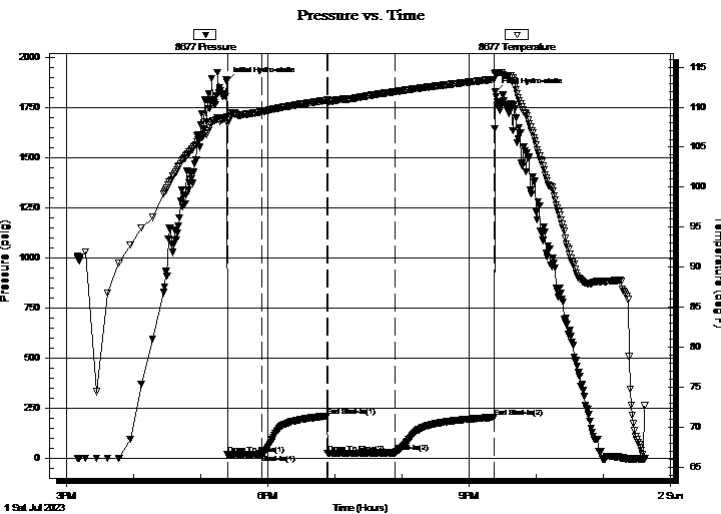
Time On Btm:

2023.07.01 @ 17:23:30

Time Off Btm:

2023.07.01 @ 21:23:30

TEST COMMENT: FI- Weak surface blow , Remained weak surface blow after 10 minutes; Final died to very weak surface.
 IS- No return.
 FF- No blow .
 FS- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.73	108.75	Initial Hydro-static
1	19.11	107.99	Open To Flow (1)
31	23.37	109.42	Shut-In(1)
90	211.38	110.88	End Shut-In(1)
90	24.63	110.87	Open To Flow (2)
150	28.85	111.93	Shut-In(2)
239	205.51	113.48	End Shut-In(2)
240	1826.47	114.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM- 5%O, 95%M	0.02
0.00	168'-G- 100%G	0.00

* 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

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70963

DST#: 2

ATTN: Bryan Bynog

Test Start: 2023.07.01 @ 15:10:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	OCM- 5%O, 95%M	0.025
0.00	168'-G- 100%G	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

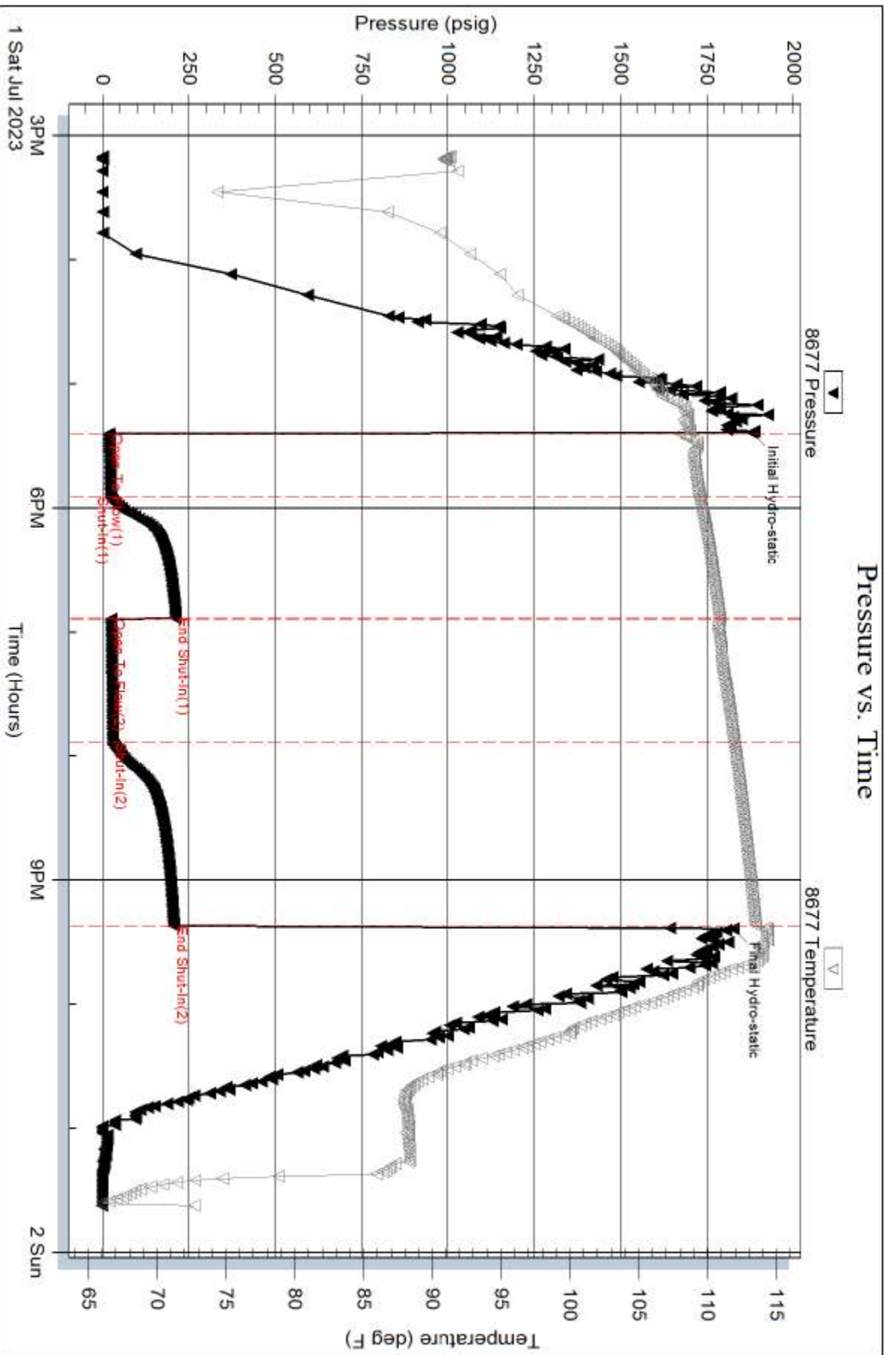
Num Gas Bombs: 0

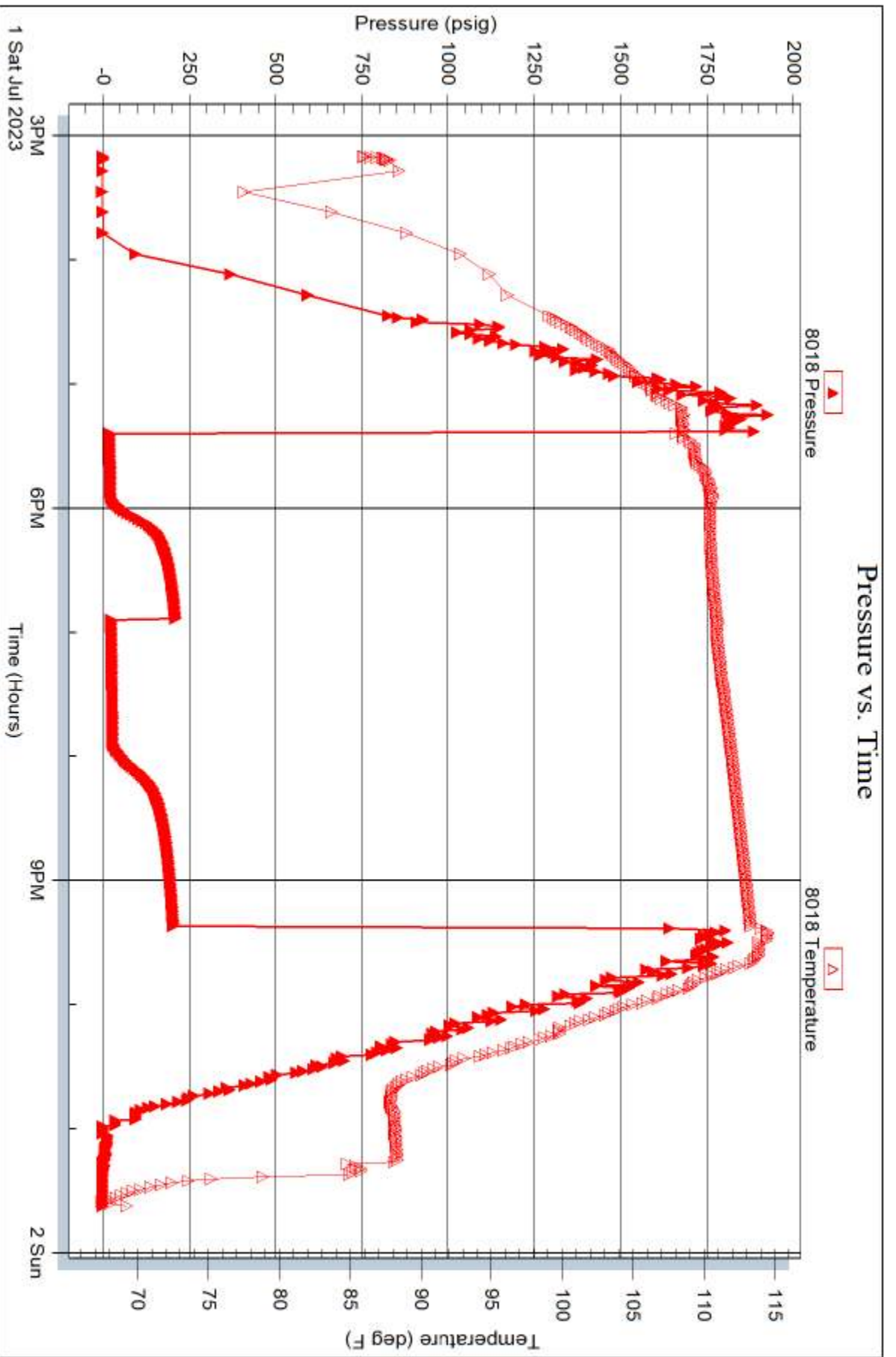
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM- 7#







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco, LLC

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70964

DST#: 3

ATTN: Bryan Bynog

Test Start: 2023.07.02 @ 09:30:00

GENERAL INFORMATION:

Formation: **Lansing, C**

Deviated: No Whipstock: 2809.00 ft (KB)

Time Tool Opened: 11:53:00

Time Test Ended: 18:02:30

Test Type: Conventional Bottom Hole (Reset)

Tester: David Urban

Unit No: 67

Interval: 3850.00 ft (KB) To 3900.00 ft (KB) (TVD)

Reference Elevations: 2809.00 ft (KB)

Total Depth: 3900.00 ft (KB) (TVD)

2798.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8677

Press@RunDepth: 18.04 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.07.02

End Date: 2023.07.02

Last Calib.: 1899.12.30

Start Time: 09:30:05

End Time: 18:02:30

Time On Btm: 2023.07.02 @ 11:52:30

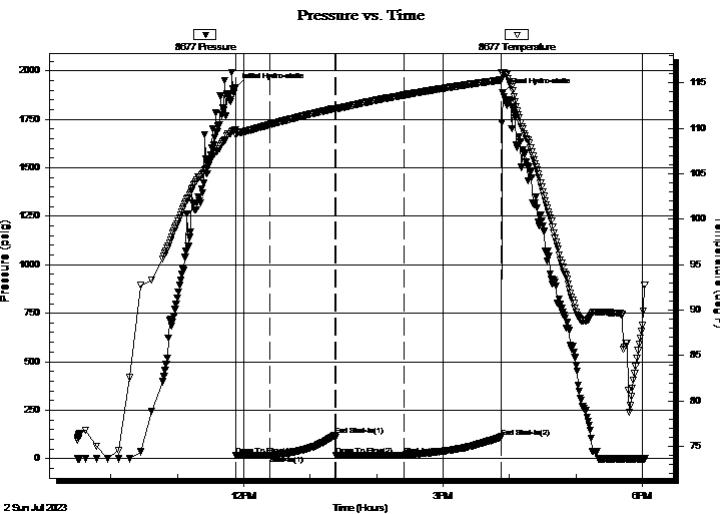
Time Off Btm: 2023.07.02 @ 15:54:00

TEST COMMENT: IF-Weak surface blow, Died to very weak surface blow in 10 minutes; Final died after 16 minutes.

IS- No return.

FF- No blow.

FS- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.07	109.88	Initial Hydro-static
1	15.32	109.34	Open To Flow (1)
32	16.12	110.44	Shut-In(1)
90	120.07	112.20	End Shut-In(1)
91	17.22	112.18	Open To Flow (2)
152	18.04	113.66	Shut-In(2)
240	111.80	115.34	End Shut-In(2)
242	1887.39	116.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	M w/ oil spots- 100%M	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

Berexco, LLC

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70964

DST#: 3

ATTN: Bryan Bynog

Test Start: 2023.07.02 @ 09:30:00

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: 66.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mw / oil spots- 100%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

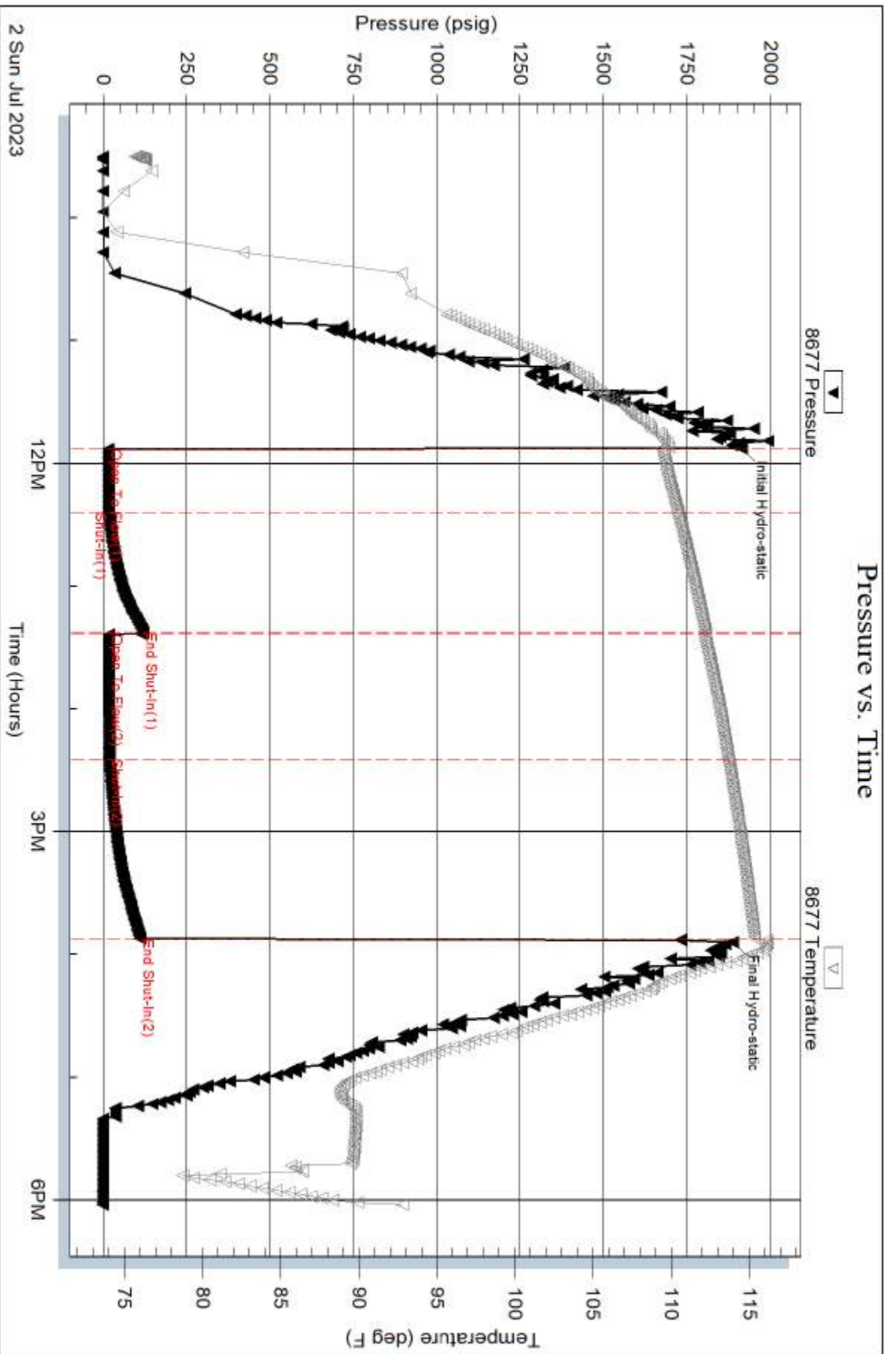
Num Gas Bombs: 0

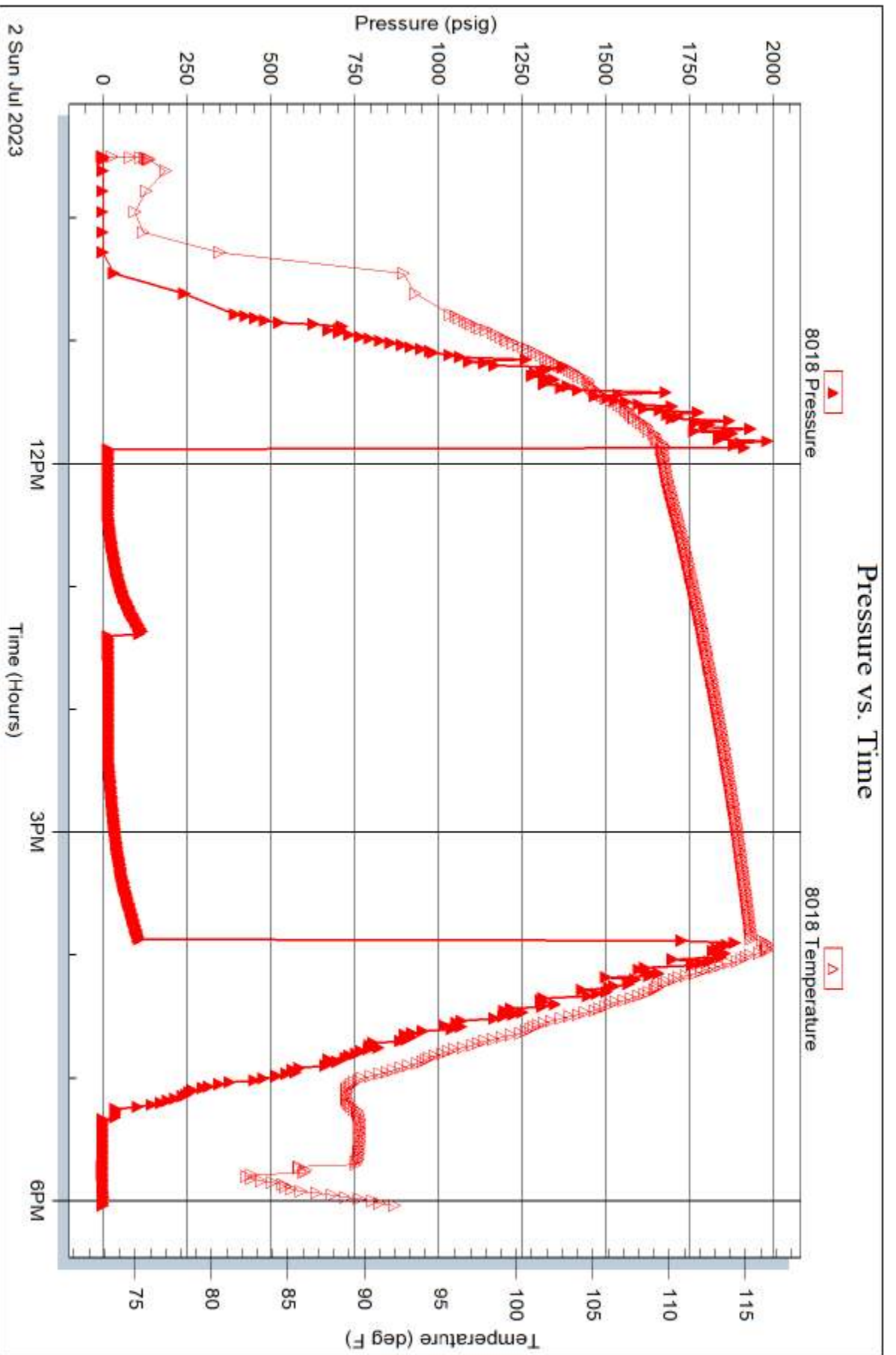
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM- 7#







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco, LLC

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70965

DST#: 4

ATTN: Bryan Bynog

Test Start: 2023.07.03 @ 05:47:00

GENERAL INFORMATION:

Formation: **Lansing, D&E**

Deviated: No Whipstock: 2809.00 ft (KB)

Time Tool Opened: 07:58:00

Time Test Ended: 14:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: David Urban

Unit No: 67

Interval: 3895.00 ft (KB) To 3970.00 ft (KB) (TVD)

Reference Elevations: 2809.00 ft (KB)

Total Depth: 3970.00 ft (KB) (TVD)

2798.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8677 Outside

Press@RunDepth: 32.46 psig @ 3896.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.07.03

End Date: 2023.07.03

Last Calib.: 2023.07.03

Start Time: 05:47:05

End Time: 14:07:59

Time On Btm: 2023.07.03 @ 07:57:00

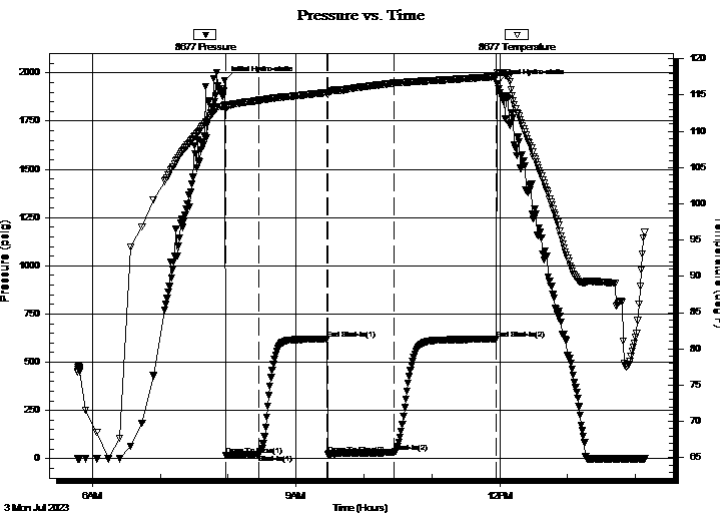
Time Off Btm: 2023.07.03 @ 11:58:00

TEST COMMENT: IF- Weak surface blow , Built to 1/4 in 10 minutes; Final weak surface blow .

IS- No return.

FF- No blow .

FS- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.56	113.58	Initial Hydro-static
1	16.68	113.17	Open To Flow (1)
30	23.06	114.26	Shut-In(1)
91	620.13	115.33	End Shut-In(1)
91	22.16	115.03	Open To Flow (2)
150	32.46	116.65	Shut-In(2)
240	618.75	117.53	End Shut-In(2)
241	1943.41	118.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WM w / oil sopts- 1%W, 99%M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

13-2s-30w, Decatur, KS

2020 N Bramblewood,
Wichita, 67206

Mines A #5

Job Ticket: 70965

DST#: 4

ATTN: Bryan Bynog

Test Start: 2023.07.03 @ 05:47:00

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: 67.00 sec/qt

Cushion Volume:

bbl

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
10.00	WM w / oil sopts- 1%W, 99%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

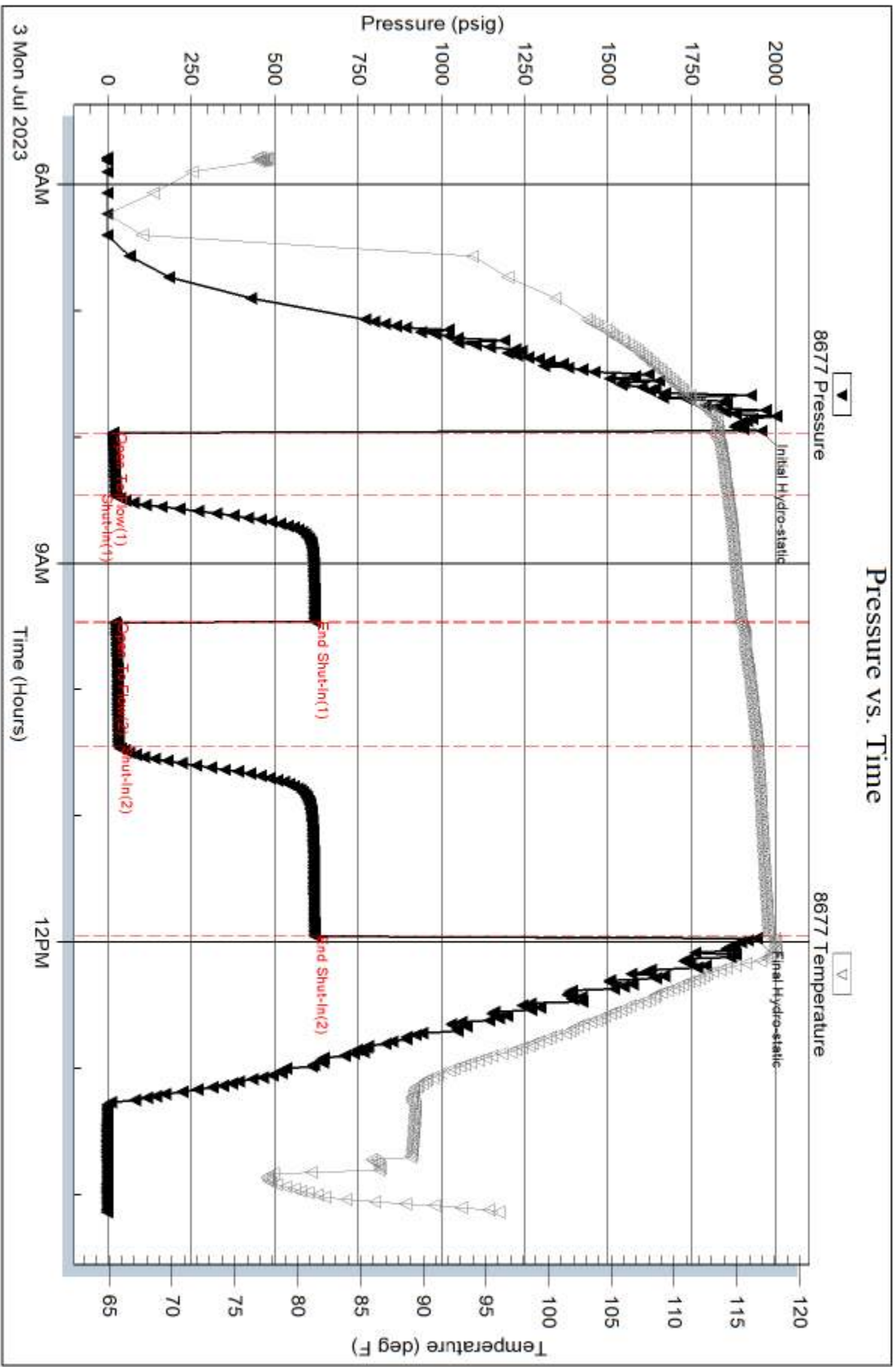
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM- 6#

Not enough water for salinity.



Serial #: 8018

Inside

Berexco, LLC

Mines A #5

DST Test Number: 4

