

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)</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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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. 4186

Date	8-19-24	Sec.	8	Twp.	10	Range	21	County	GRAHAM	State	KS	On Location		Finish	3:30 PM
								Location							

Lease BROSSFIELD Well No. 1 Owner TW

Contractor DISCOVERY 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.

Type Job SURFACE Charge To ANCHOR BAY Petro.

Hole Size 12 1/4 T.D. 223 Street

Csg. 8 3/8 Depth City State

Tbg. Size Depth The above was done to satisfaction and supervision of owner agent or contractor.

Tool Depth Cement Amount Ordered 150 8/20 3-2

Cement Left in Csg. 15 Shoe Joint

Meas Line Displace 13 Common 130

EQUIPMENT Poz. Mix 20

Pumptrk	18	No.	Cementer	<u>Bill</u>	Gel.	<u>3</u>
			Helper	<u>BRYANT</u>		
Bulktrk		No.	Driver		Calcium	<u>6</u>
			Driver			
Bulktrk	9	No.	Driver	<u>CORY</u>		
			Driver			

JOB SERVICES & REMARKS Hulls

Remarks: Salt

Rat Hole Flowseal

Mouse Hole Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Sete 222 Handling 159

Cement 150H Mileage

pumpplugs 13 bbls **FLOAT EQUIPMENT**

Cement Did CIRC. Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge Surface

Mileage 42

X Signature Rya Gerolt Thanks

Tax	
Discount	
Total Charge	

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. 4190

Date	8-26-24	Sec.	8	Twp.	10	Range	21	County	Graven	State	Ks	On Location		Finish	4:00 AM		
Location												Ellis 17 N 7W 2N 1 E into					
Lease	BRASSFIELD					Well No.	1	Owner									
Contractor	Discovery 4					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.											
Type Job	PTA					Charge To								Anchor Bay			
Hole Size	7 7/8					T.D.	3875					Street					
Csg.						Depth					City					State	
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					305 - 60/40 4 1/2 Gel	
Meas Line						Displace					1/4 # Flowseal						
EQUIPMENT												Common				183	
Pumptrk	18		No.		Cementer		Helper		Bill		Poz. Mix		122				
Bulktrk			No.		Driver		Driver		Bryant		Gel.		11				
Bulktrk	9		No.		Driver		Driver		Joe		Calcium						
JOB SERVICES & REMARKS												Hulls					
Remarks:												Salt					
Rat Hole												Flowseal				75#	
Mouse Hole												Kol-Seal					
Centralizers												Mud CLR 48					
Baskets												CFL-117 or CD110 CAF 38					
D/V or Port Collar												Sand					
3796 - 50pbw												Handling				316	
1760 - 50pbw												Mileage					
940 - 100pbw												FLOAT EQUIPMENT					
280 - 50pbw												Guide Shoe					
40 - 10pbw												Centralizer					
15 MH												Baskets					
30 RH												AFU Inserts					
												Float Shoe					
												Latch Down					
												Wood - 1				85	
												Pumptrk Charge				plug	
												Mileage				42	
X Signature												Rysz Gasehl					
												Thanks					
												Tax					
												Discount					
												Total Charge					



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

1952 Victoria Rd
Hays KS 67601+9347

ATTN: Ed Glassman

Brassfield #1

8-10s-21w Graham KS

Start Date: 2024.08.23 @ 07:01:00

End Date: 2024.08.23 @ 13:16:52

Job Ticket #: 71248 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2024.08.26 @ 15:24:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71248

DST#: 1

ATTN: Ed Glassman

Test Start: 2024.08.23 @ 07:01:00

GENERAL INFORMATION:

Formation: **LKC C-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:54:22

Time Test Ended: 13:16:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 75

Interval: 3508.00 ft (KB) To 3576.00 ft (KB) (TVD)

Reference Elevations: 2224.00 ft (KB)

Total Depth: 3576.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 39.74 psig @ 3511.00 ft (KB)

Capacity: psig

Start Date: 2024.08.23

End Date:

2024.08.23

Last Calib.:

2024.08.23

Start Time: 07:01:01

End Time:

13:16:52

Time On Btm:

2024.08.23 @ 08:54:07

Time Off Btm:

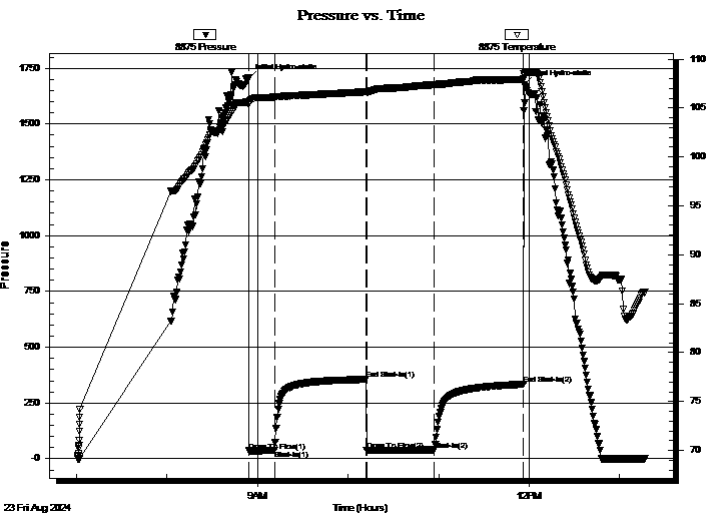
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TEST COMMENT: 15-IF-Slid 7" Bled off 2" Blow Surface to 0.5"

60-ISI-No Return

45-FF-No Blow

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.16	105.58	Initial Hydro-static
1	35.82	105.36	Open To Flow (1)
18	36.48	106.12	Shut-In(1)
78	355.84	106.64	End Shut-In(1)
79	36.66	106.62	Open To Flow (2)
123	39.74	107.38	Shut-In(2)
183	334.22	107.94	End Shut-In(2)
183	1675.07	108.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud 100%M	0.57

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71248

DST#: 1

ATTN: Ed Glassman

Test Start: 2024.08.23 @ 07:01:00

Tool Information

Drill Pipe:	Length: 3476.00 ft	Diameter: 3.82 inches	Volume: 49.27 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	71000.00 lb
			<u>Total Volume:</u>	Tool Chased	7.00 ft
			- bbl	String Weight: Initial	60000.00 lb
Drill Pipe Above KB:	25.00 ft			Final	60000.00 lb
Depth to Top Packer:	3508.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	95.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3482.00	
Shut In Tool	5.00			3487.00	
Hydraulic tool	5.00			3492.00	
Gap Sub	4.00			3496.00	
Safety Joint	3.00			3499.00	
Packer	5.00			3504.00	27.00 Bottom Of Top Packer
Packer	4.00			3508.00	
Stubb	1.00			3509.00	
Perforations	1.00			3510.00	
Change Over Sub	1.00			3511.00	
Recorder	0.00	6838	Inside	3511.00	
Recorder	0.00	8875	Inside	3511.00	
Drill Pipe	32.00			3543.00	
Change Over Sub	1.00			3544.00	
Perforations	29.00			3573.00	
Bullnose	3.00			3576.00	68.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71248

DST#: 1

ATTN: Ed Glassman

Test Start: 2024.08.23 @ 07:01:00

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: 63.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud 100%M	0.573

Total Length: 60.00 ft Total Volume: 0.573 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

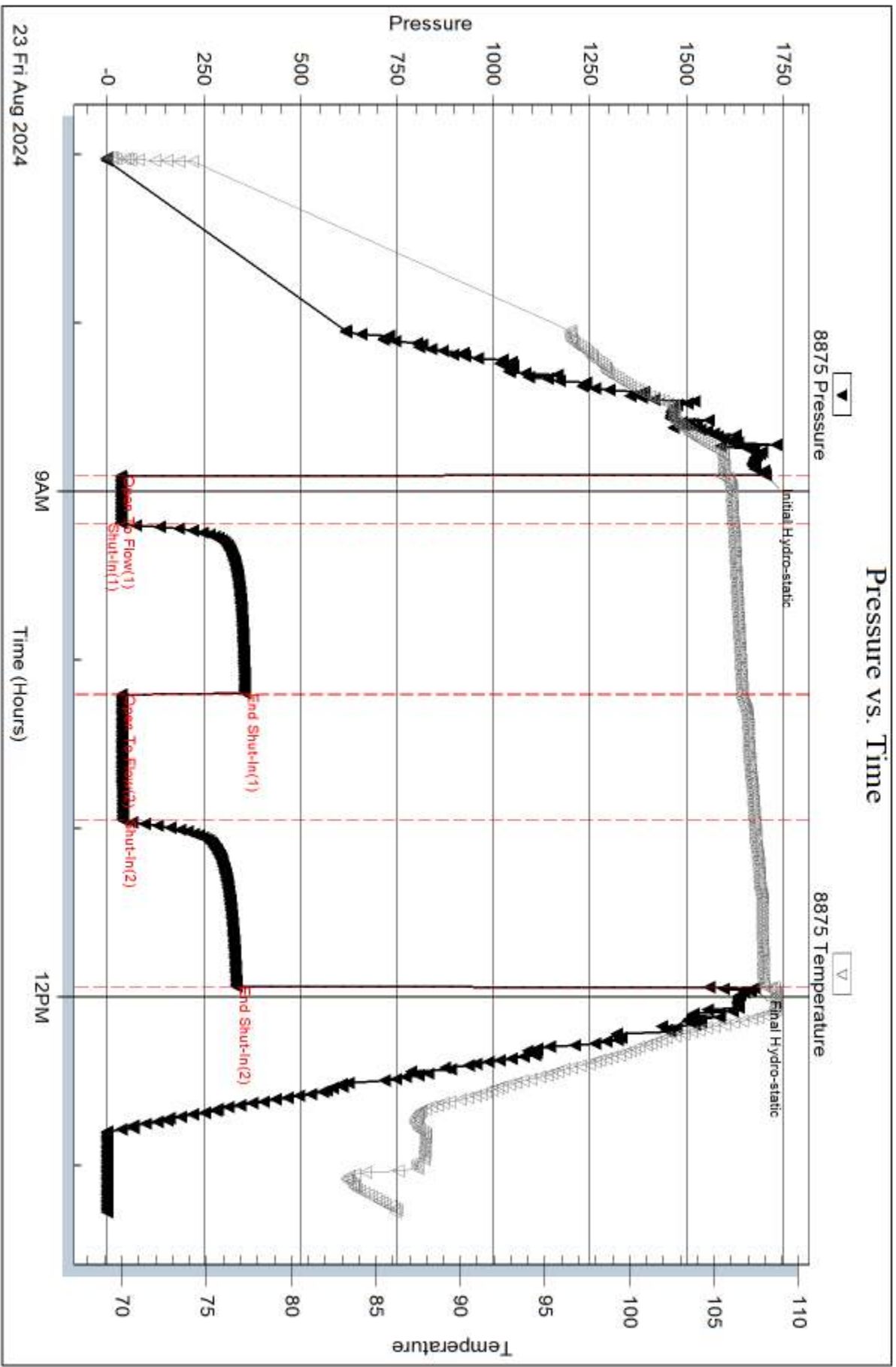
Serial #: 8875

Inside

Anchor Bay Petroleum LLC

Brassfield #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71248

Printed: 2024.08.26 @ 15:24:01

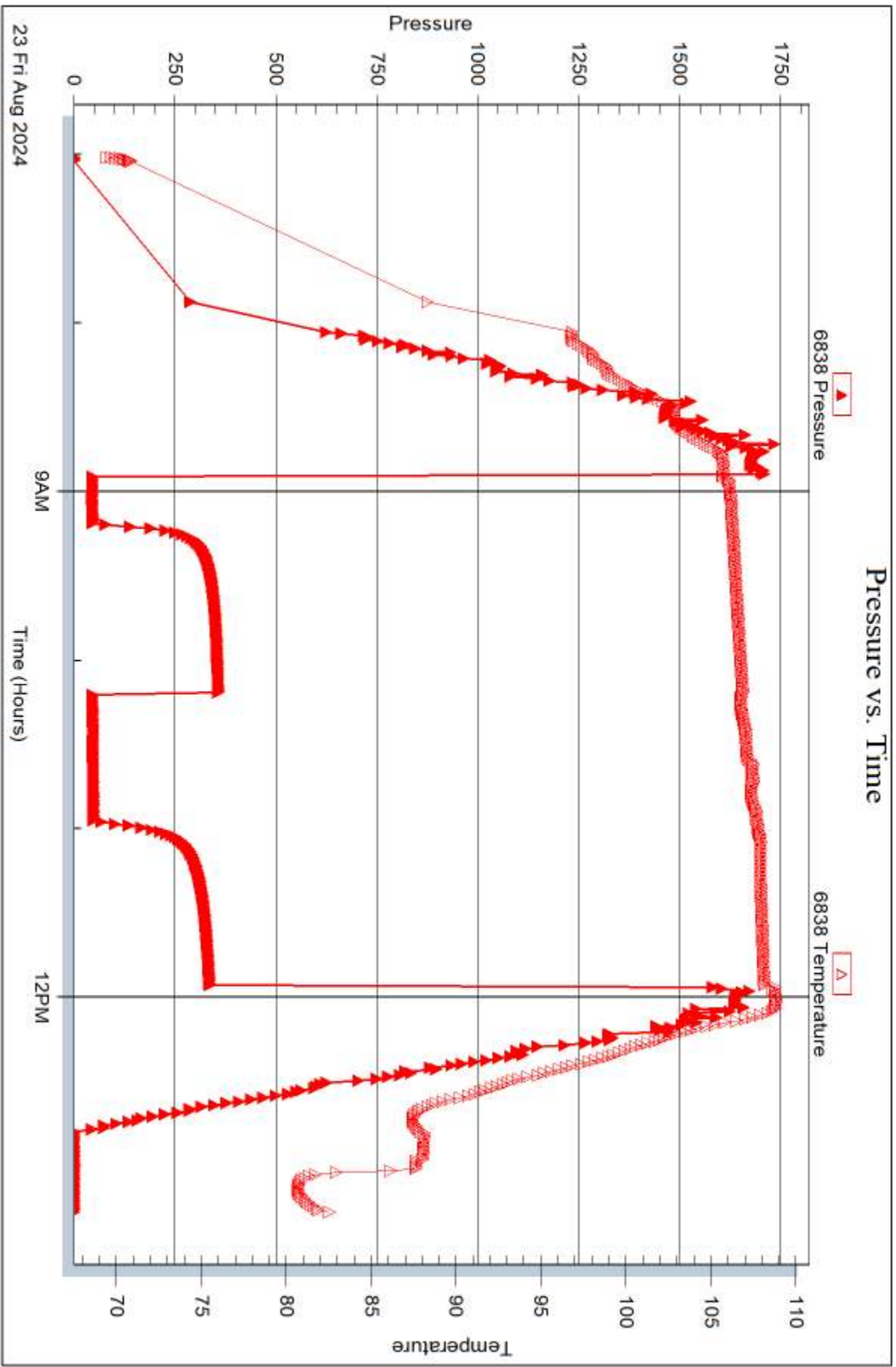
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Inside

Anchor Bay Petroleum LLC

Brassfield #1

DST Test Number: 1



23 Fri Aug 2024

Triobite Testing, Inc

Ref. No: 71248

Printed: 2024.08.26 @ 15:24:01



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

1952 Victoria Rd
Hays KS 67601+9347

ATTN: Ed Glassman

Brassfield #1

8-10s-21w Graham KS

Start Date: 2024.08.24 @ 01:20:00

End Date: 2024.08.24 @ 07:42:32

Job Ticket #: 71249 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2024.08.26 @ 15:23:33



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71249

DST#: 2

ATTN: Ed Glassman

Test Start: 2024.08.24 @ 01:20:00

GENERAL INFORMATION:

Formation: **LKC H-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:27:17

Time Test Ended: 07:42:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 75

Interval: 3590.00 ft (KB) To 3690.00 ft (KB) (TVD)

Reference Elevations: 2224.00 ft (KB)

Total Depth: 3690.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 29.62 psig @ 3594.00 ft (KB)

Capacity: psig

Start Date: 2024.08.24

End Date:

2024.08.24

Last Calib.:

2024.08.24

Start Time: 01:20:01

End Time:

07:42:32

Time On Btm:

2024.08.24 @ 03:27:02

Time Off Btm:

2024.08.24 @ 06:04:32

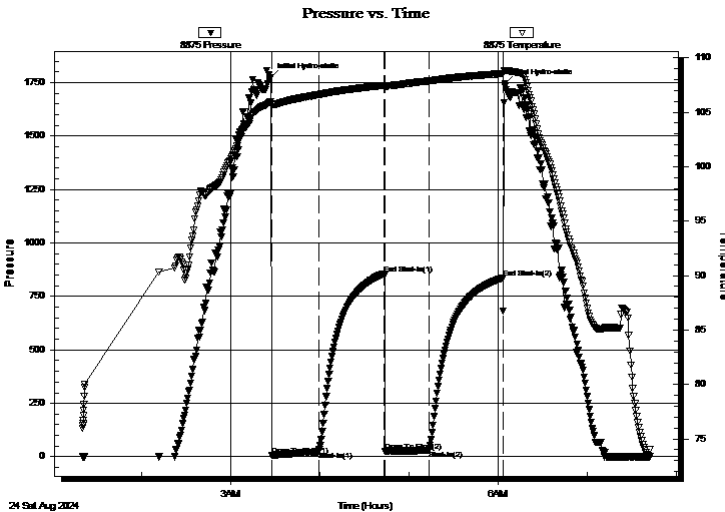
TEST COMMENT: 30-IF-Surface to 1"

45-ISI-No Return

30-FF-No Blow

45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1773.50	105.94	Initial Hydro-static
1	6.88	105.64	Open To Flow (1)
32	23.58	106.61	Shut-In(1)
77	856.97	107.45	End Shut-In(1)
77	26.47	107.19	Open To Flow (2)
107	29.62	107.87	Shut-In(2)
157	836.29	108.55	End Shut-In(2)
158	1745.32	108.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%M	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71249

DST#: 2

ATTN: Ed Glassman

Test Start: 2024.08.24 @ 01:20:00

Tool Information

Drill Pipe:	Length: 3542.00 ft	Diameter: 3.82 inches	Volume: 50.21 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	3590.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	100.00 ft				
Tool Length:	127.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3564.00	
Shut In Tool	5.00			3569.00	
Hydraulic tool	5.00			3574.00	
Gap Sub	4.00			3578.00	
Safety Joint	3.00			3581.00	
Packer	5.00			3586.00	27.00 Bottom Of Top Packer
Packer	4.00			3590.00	
Stubb	1.00			3591.00	
Perforations	2.00			3593.00	
Change Over Sub	1.00			3594.00	
Recorder	0.00	6838	Inside	3594.00	
Recorder	0.00	8875	Inside	3594.00	
Drill Pipe	63.00			3657.00	
Change Over Sub	1.00			3658.00	
Perforations	29.00			3687.00	
Bullnose	3.00			3690.00	100.00 Bottom Packers & Anchor
Total Tool Length:	127.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71249

DST#: 2

ATTN: Ed Glassman

Test Start: 2024.08.24 @ 01:20:00

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

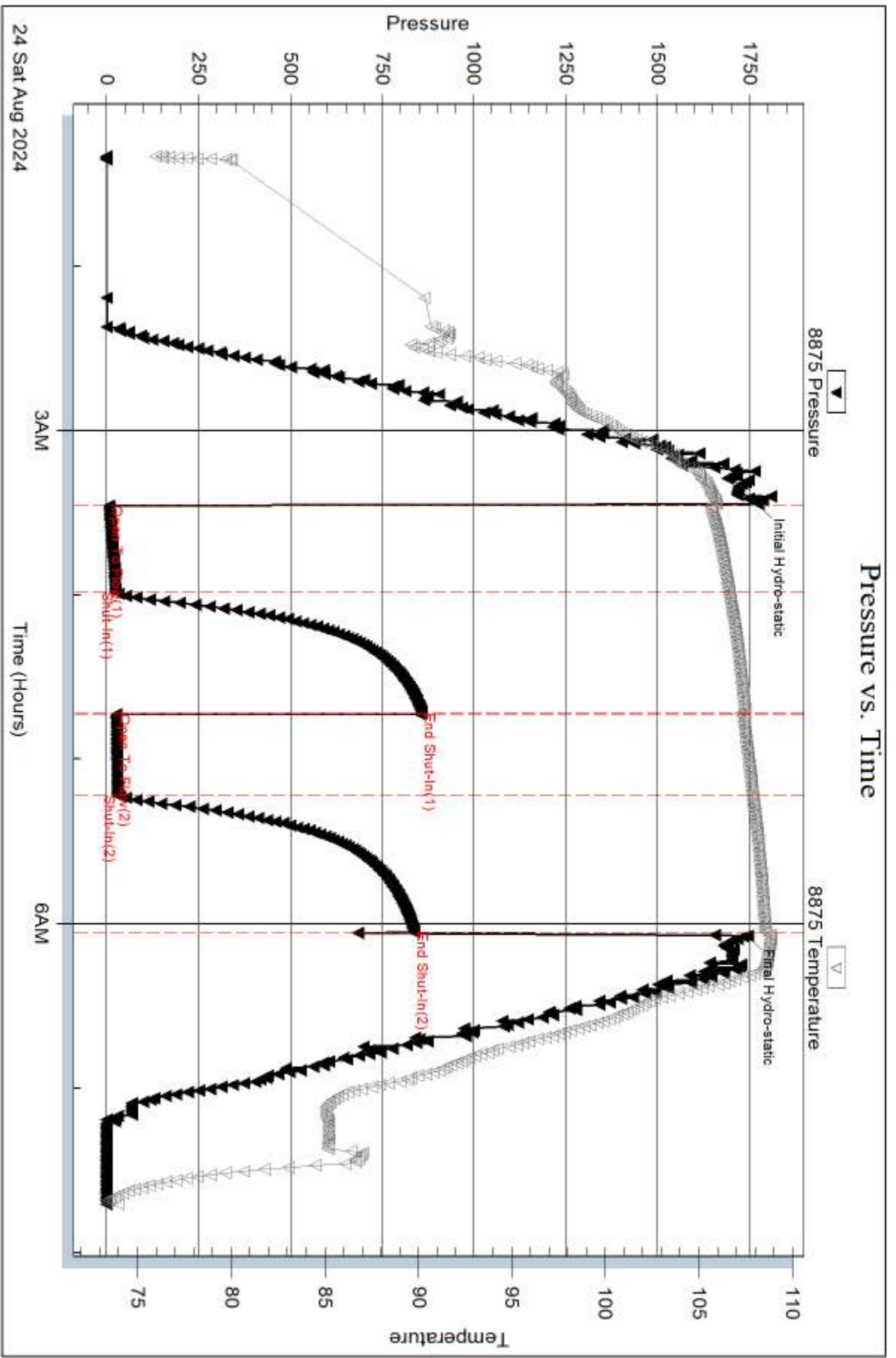
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



24 Sat Aug 2024

3AM

Time (Hours)

6AM

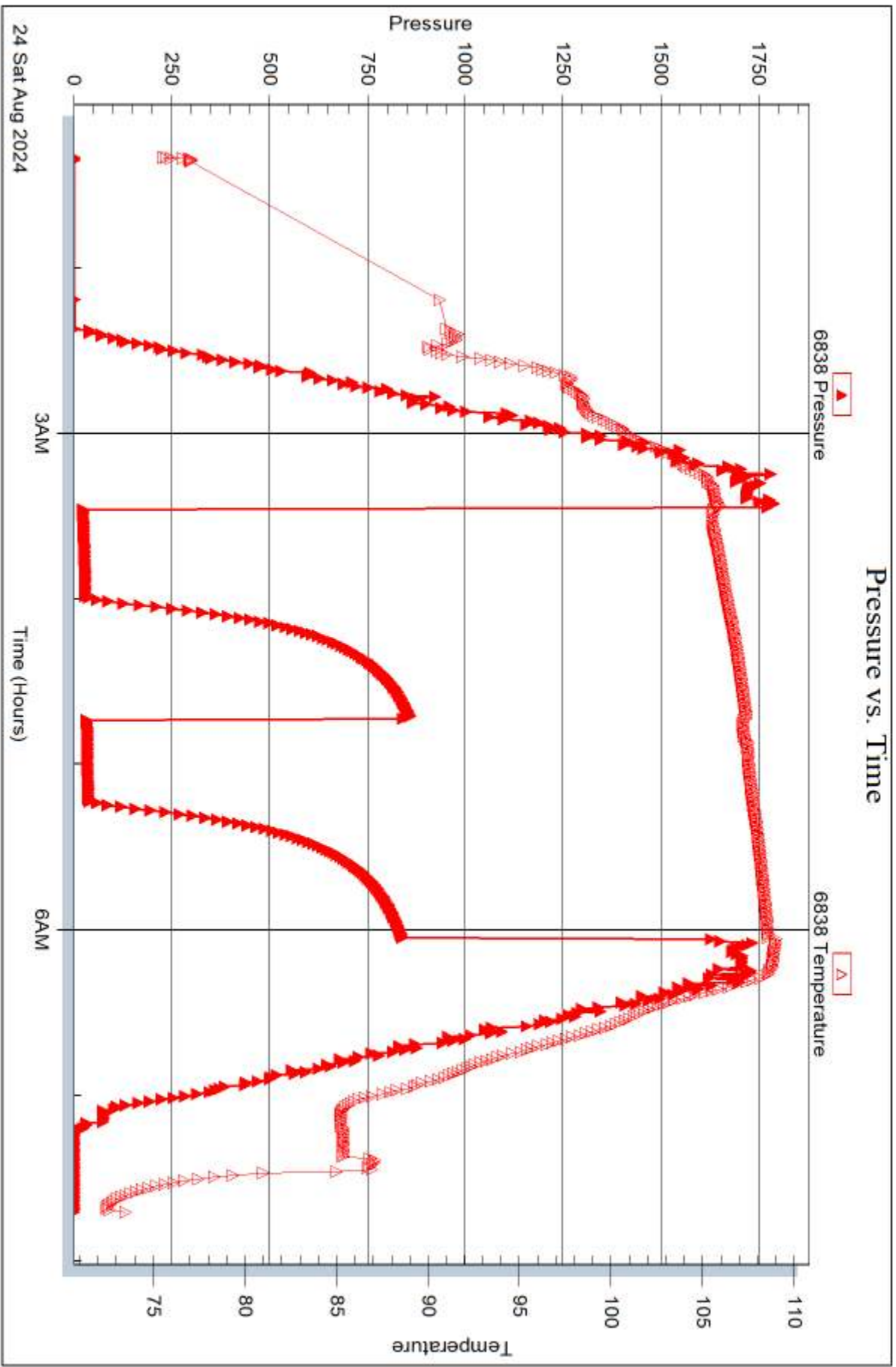
Serial #: 6838

Inside

Anchor Bay Petroleum LLC

Brassfield #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 71249

Printed: 2024.08.26 @ 15:23:33



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

1952 Victoria Rd
Hays KS 67601+9347

ATTN: Ed Glassman

Brassfield #1

8-10s-21w Graham KS

Start Date: 2024.08.25 @ 02:59:00

End Date: 2024.08.25 @ 07:12:57

Job Ticket #: 71250 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2024.08.26 @ 15:14:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71250

DST#: 3

ATTN: Ed Glassman

Test Start: 2024.08.25 @ 02:59:00

Tool Information

Drill Pipe:	Length: 3764.00 ft	Diameter: 3.82 inches	Volume: 53.36 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	3802.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	48.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3776.00	
Shut In Tool	5.00			3781.00	
Hydraulic tool	5.00			3786.00	
Gap Sub	4.00			3790.00	
Safety Joint	3.00			3793.00	
Packer	5.00			3798.00	27.00 Bottom Of Top Packer
Packer	4.00			3802.00	
Stubb	1.00			3803.00	
Recorder	0.00	6838	Inside	3803.00	
Recorder	0.00	8875	Outside	3803.00	
Perforations	17.00			3820.00	
Bullnose	3.00			3823.00	21.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: 71250

DST#: 3

ATTN: Ed Glassman

Test Start: 2024.08.25 @ 02:59:00

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Mud 100%M	3.266

Total Length: 250.00 ft Total Volume: 3.266 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

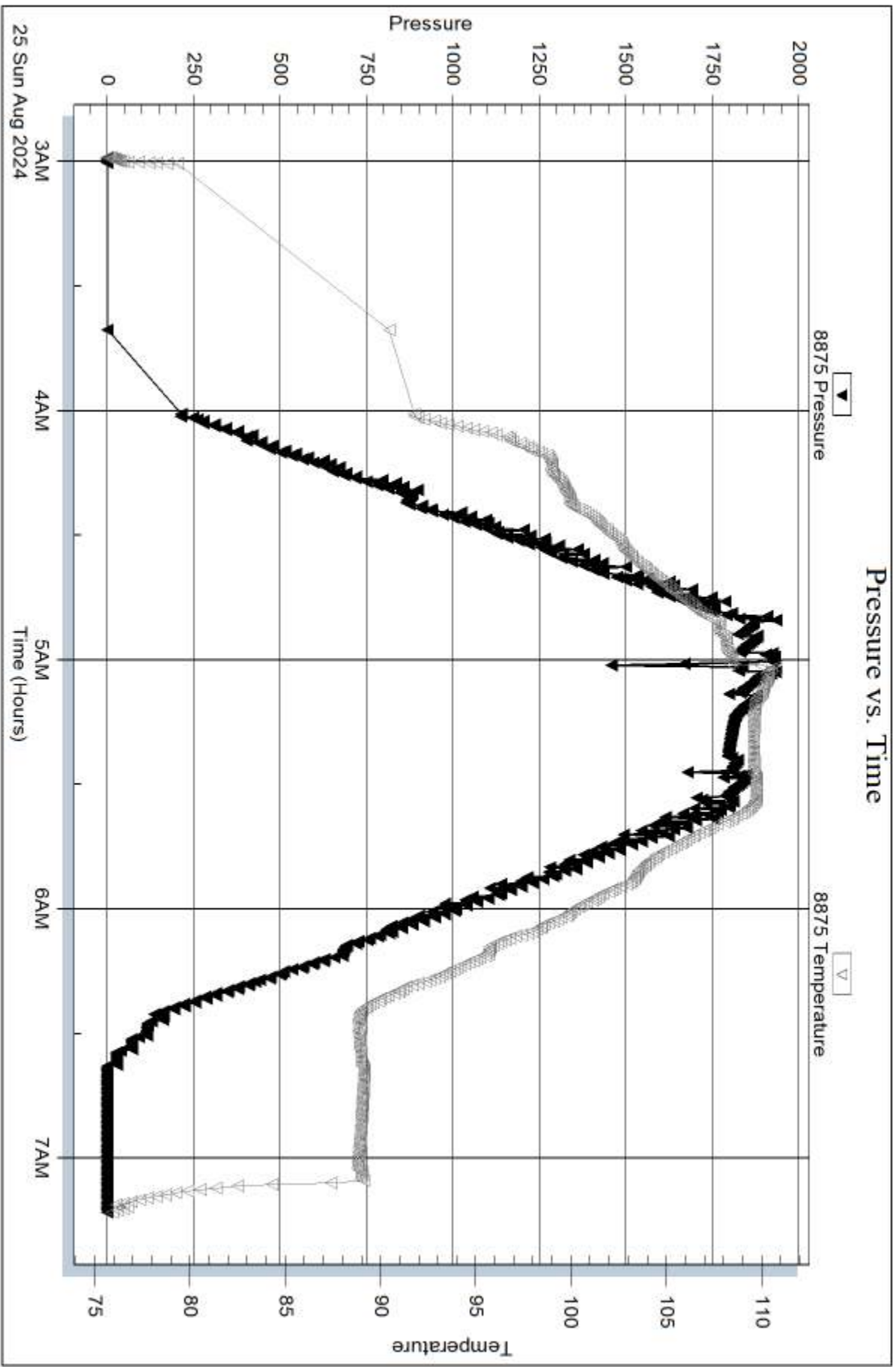
Recovery Comments: 2#LCM

Serial #: 8875

Outside Anchor Bay Petroleum LLC

Brassfield #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 71250

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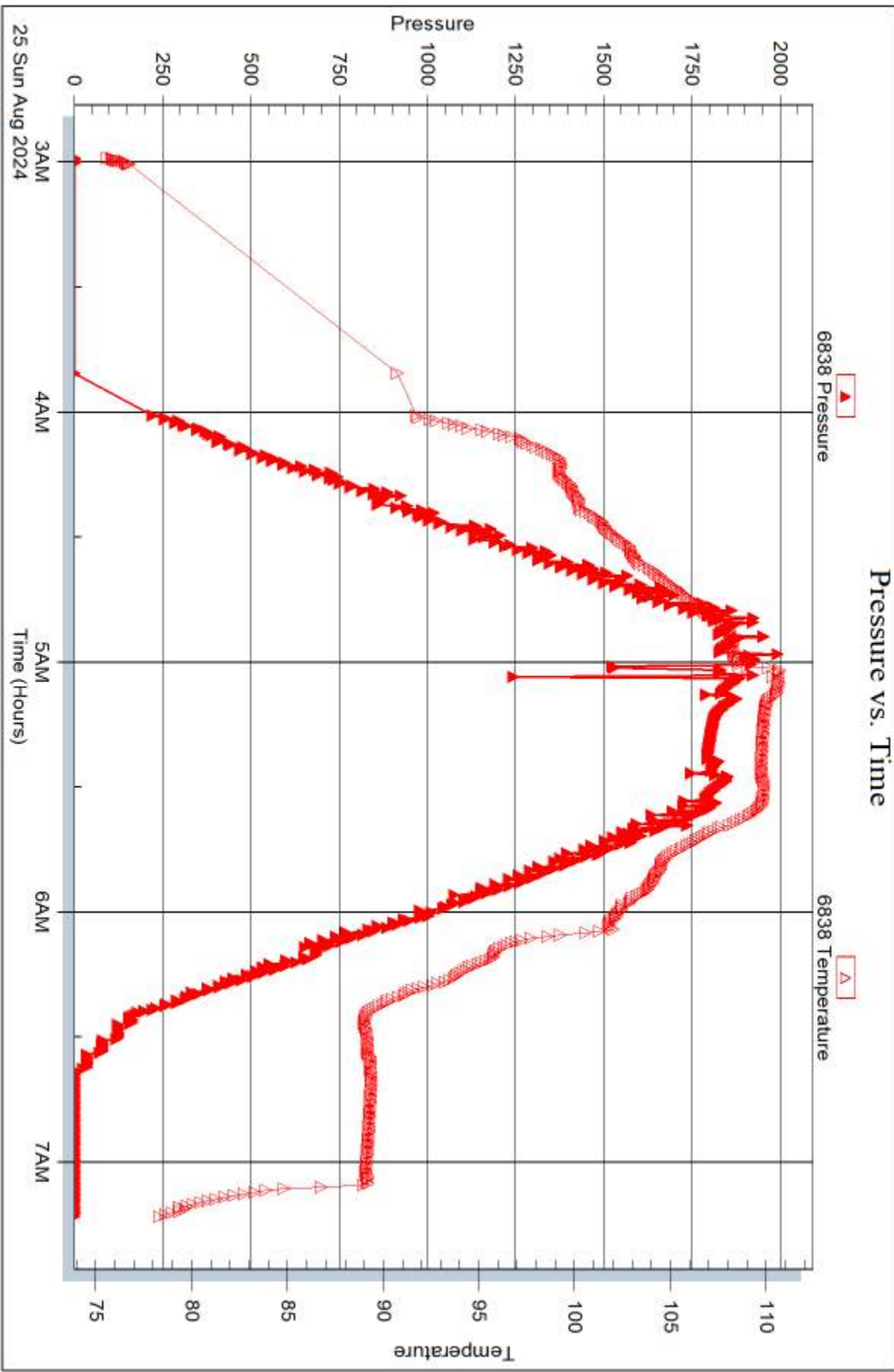
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Inside

Anchor Bay Petroleum LLC

Brassfield #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 71250

Printed: 2024.08.26 @ 15:14:23



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

1952 Victoria Rd
Hays KS 67601+9347

ATTN: Ed Glassman

Brassfield #1

8-10s-21w Graham KS

Start Date: 2024.08.25 @ 07:31:00

End Date: 2024.08.25 @ 13:41:32

Job Ticket #: DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: **DST#: 4**

ATTN: Ed Glassman

Test Start: 2024.08.25 @ 07:31:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:52:02

Time Test Ended: 13:41:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 75

Interval: 3743.00 ft (KB) To 3823.00 ft (KB) (TVD)

Reference Elevations: 2224.00 ft (KB)

Total Depth: 3823.00 ft (KB) (TVD)

2216.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 107.60 psig @ 3746.00 ft (KB)

Capacity: psig

Start Date: 2024.08.25

End Date:

2024.08.25

Last Calib.:

2024.08.25

Start Time: 07:31:01

End Time:

13:41:32

Time On Btm:

2024.08.25 @ 08:51:57

Time Off Btm:

2024.08.25 @ 12:12:57

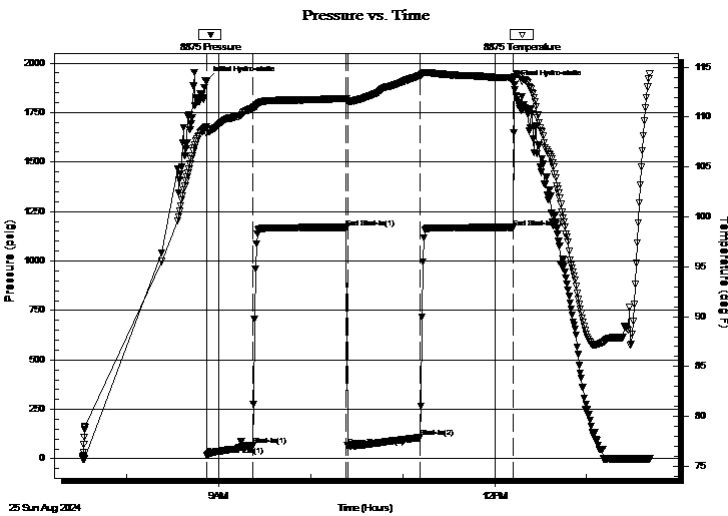
TEST COMMENT: 30-IF-Surface to 8"

60-ISI-Very Weak Surface Blow Died @ 10 mins

45-FF-Surface to 10"

60-FSI-Very Weak Surface Blow Died @ 7 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.20	109.04	Initial Hydro-static
1	18.78	108.36	Open To Flow (1)
31	66.36	110.88	Shut-In(1)
92	1169.37	111.81	End Shut-In(1)
92	65.77	111.61	Open To Flow (2)
140	107.60	114.17	Shut-In(2)
200	1169.62	113.92	End Shut-In(2)
202	1892.07	113.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 40%M 60%W	0.57
140.00	WCM 10%@ 90%M	1.98

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket:

DST#: 4

ATTN: Ed Glassman

Test Start: 2024.08.25 @ 07:31:00

Tool Information

Drill Pipe:	Length: 3698.00 ft	Diameter: 3.82 inches	Volume: 52.42 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3743.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	107.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3717.00	
Shut In Tool	5.00			3722.00	
Hydraulic tool	5.00			3727.00	
Gap Sub	4.00			3731.00	
Safety Joint	3.00			3734.00	
Packer	5.00			3739.00	27.00 Bottom Of Top Packer
Packer	4.00			3743.00	
Stubb	1.00			3744.00	
Perforations	1.00			3745.00	
Change Over Sub	1.00			3746.00	
Recorder	0.00	6838	Inside	3746.00	
Recorder	0.00	8875	Inside	3746.00	
Drill Pipe	64.00			3810.00	
Change Over Sub	1.00			3811.00	
Perforations	9.00			3820.00	
Bullnose	3.00			3823.00	80.00 Bottom Packers & Anchor
Total Tool Length:	107.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

8-10s-21w Graham KS

1952 Victoria Rd
Hays KS 67601+9347

Brassfield #1

Job Ticket: **DST#: 4**

ATTN: Ed Glassman

Test Start: 2024.08.25 @ 07:31:00

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:

11000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MW 40%M 60%W	0.573
140.00	WCM 10%@ 90%M	1.985

Total Length: 200.00 ft Total Volume: 2.558 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.425@102F

Serial #: 8875

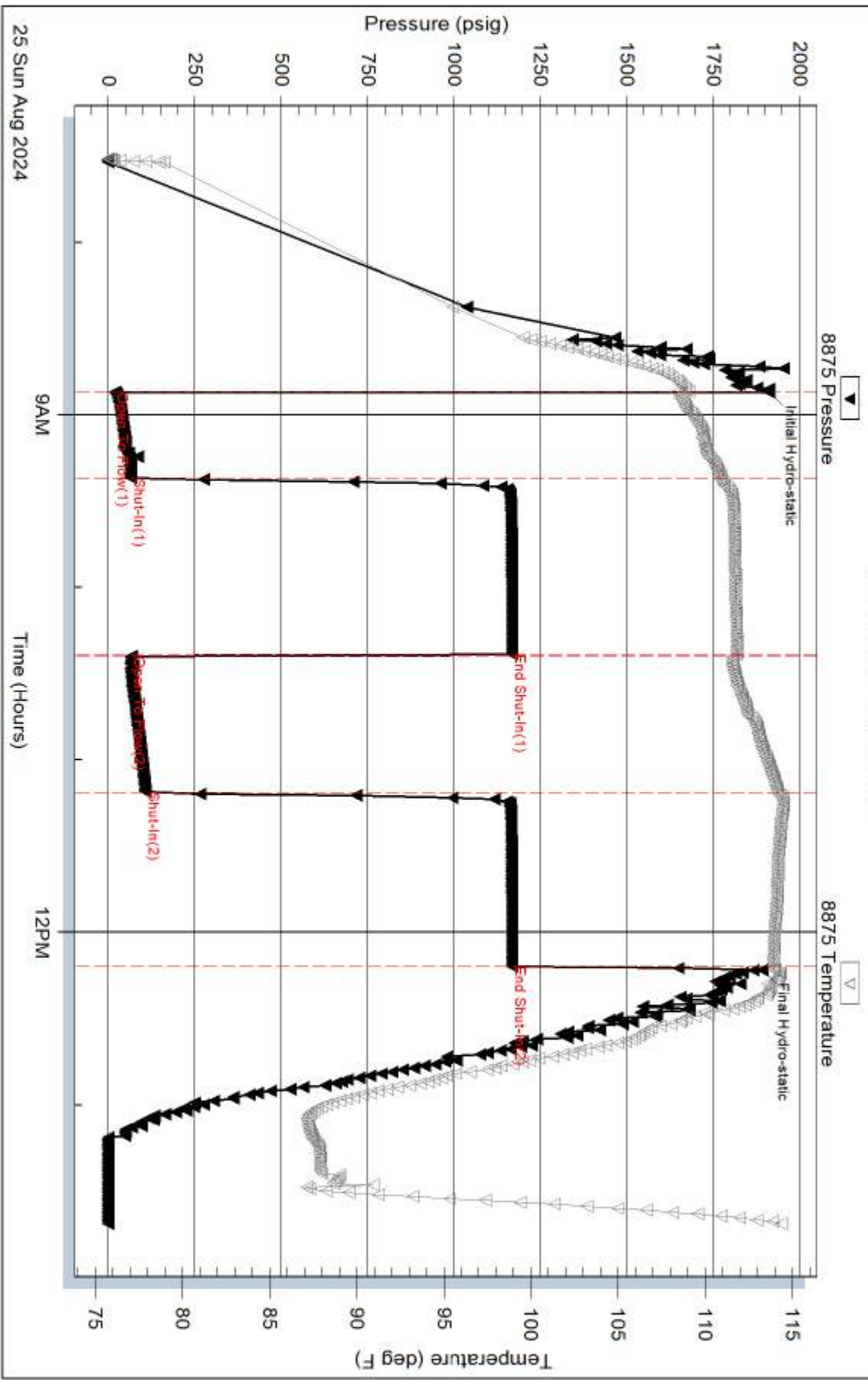
Inside

Anchor Bay Petroleum LLC

Brassfield #1

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No:

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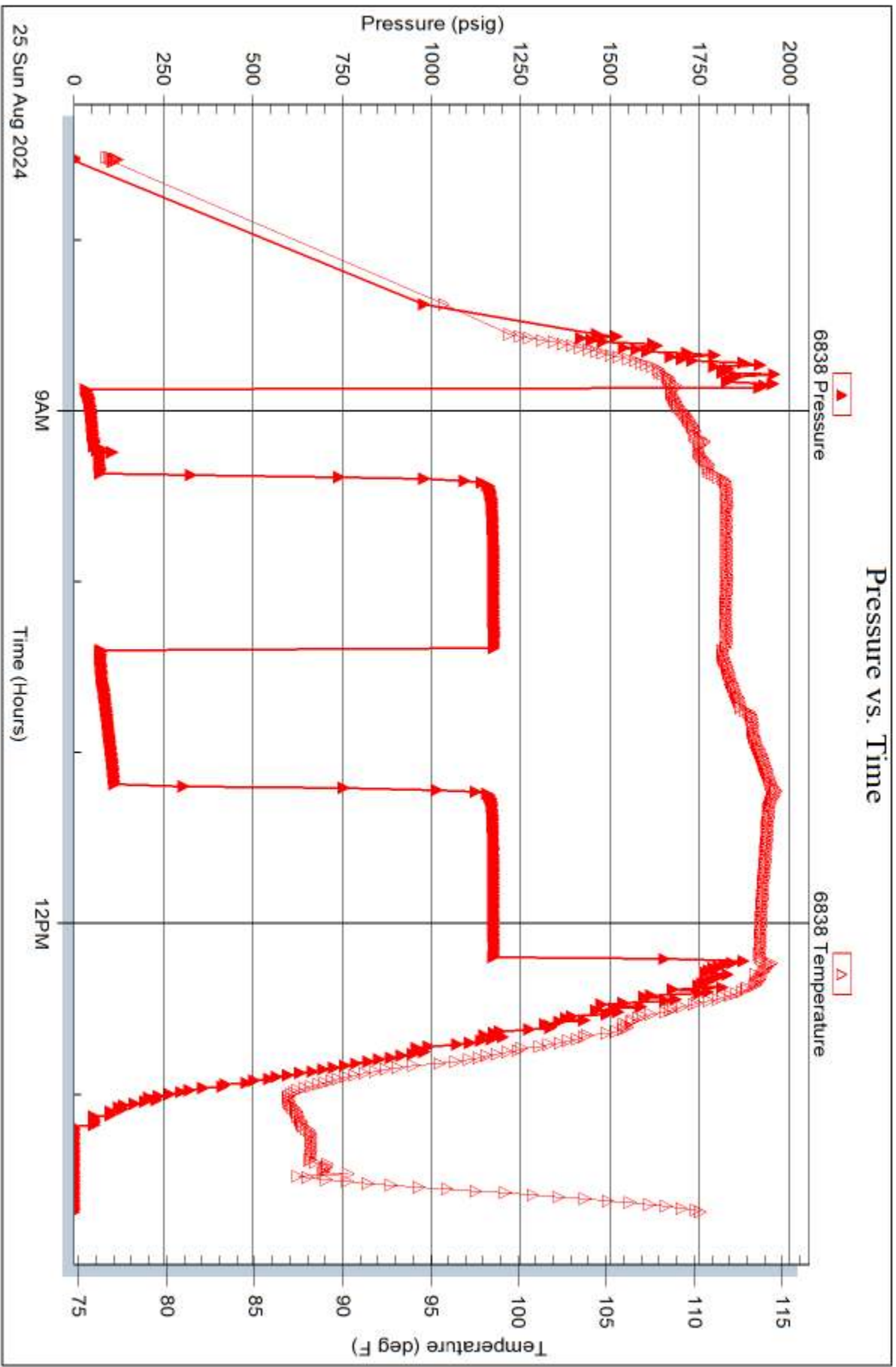
Serial #: 6838

Inside

Anchor Bay Petroleum LLC

Brassfield #1

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71248**

Well Name & No. Brassfield #1 Test No. 1 Date 08/23/2024
 Company Anchor Bay Petroleum LLC Elevation 2224 KB 2216 GL
 Address 1952 Victoria Rd Hays KS 67601 + 9347
 Co. Rep / Geo Ed Glassman Rig Discovery #4
 Location: Sec. 8 Twp 10S Rge. 21W Co. Graham State KS

Interval Tested 3508' - 3576' Zone Tested LKC C-7
 Anchor Length 68' Drill Pipe Run 3476' Mud Wt. 8.0
 Top Packer Depth 3503' Drill Collars Run 30' Vis 6.3
 Bottom Packer Depth 3508' Wt. Pipe Run — WL 5.4
 Total Depth 3576' Chlorides 1,100 ppm System LCM 2#

Blow Description 77- Slid 7' ; Bled off 2" Blow; Surface to 1/2"
75D - No Return
77 - No Blow
75B - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60' BHT 1070 Gravity — API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 1705 Test 1800 Ruined Shale Packer
 Initial Flow 35 to 36 Jars Ruined Packer
 Initial Shut-In 355 Circ Sub Hotel
 Final Flow 36 to 39 Hourly Standby EM Tool Successful
 Final Shut-In 334 Mileage 78.7 136.50 Accessibility
 Final Hydrostatic 1675 Sampler Gas Sample

T- On Location 04:00 Straddle Oversized Hole
 Initial Flow 15 T-Started 07:07 Shale Packer Sub Total 0
 Initial Shut-In 60 T-Open 08:54 Extra Packer Total 1936.50
 Final Flow 45 T-Pulled 11:54 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 13:17 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71249**

Well Name & No. Brassfield #1 Test No. 2 Date 08/24/2024
 Company Anchor Bay Petroleum LLC Elevation 8224' KB 2216' GL
 Address 1952 Victoria Rd Hays KS 67601-19347
 Co. Rep / Geo Ed Glassman Rig Discovery #4
 Location: Sec. 8 Twp 10s Rge. 21w Co. Graham State KS

Interval Tested 3590' - 3690' Zone Tested LKC A-R
 Anchor Length 100' Drill Pipe Run 3542 Mud Wt. 9.0
 Top Packer Depth 3585' Drill Collars Run 30' Vis 63
 Bottom Packer Depth 3590' Wt. Pipe Run - WL 5.4
 Total Depth 3690 Chlorides 1100 ppm System LCM 2#

Blow Description 07- Surface to 1"
SSJ- No Return
77- No Blow
75J- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>Mud</u>			<u>100</u>	

Rec Total 15' BHT 108° Gravity - API RW - @ - *F Chlorides - ppm
 Initial Hydrostatic 1773 Test 1800 Ruined Shale Packer
 Initial Flow 6 to 23 Jars Ruined Packer
 Initial Shut-In 856 Circ Sub Hotel
 Final Flow 26 to 29 Hourly Standby EM Tool Successful
 Final Shut-In 836 Mileage 78R7 136.50 Accessibility
 Final Hydrostatic 1745 Sampler Gas Sample
 T- On Location 00:25 Straddle Oversized Hole
 Initial Flow 30 T-Started 01:20 Shale Packer Sub Total 0
 Initial Shut-In 45 T-Open 03:28 Extra Packer Total 1936.50
 Final Flow 30 T-Pulled 05:58 Extra Recorder Tool Loaded @
 Final Shut-In 45 T-Out 07:42 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71250

Well Name & No. Brassfield #1 Test No. 3 Date 08/25/2024
 Company Anchor Bay Petroleum LLC Elevation 2224 KB 2216' GL
 Address 1952 Victoria Rd Hays KS 67601 +9347
 Co. Rep / Geo Ed Thassman Rig Discovery #4
 Location: Sec. 8 Twp 10s Rge. 21w Co. Graham State KS

Interval Tested 3802' - 3823' Zone Tested Arbuckle
 Anchor Length 21' Drill Pipe Run 3764' Mud Wt. 9.1
 Top Packer Depth 3797' Drill Collars Run 30' Vis 58
 Bottom Packer Depth 3802' Wt. Pipe Run - WL 6.0
 Total Depth 3823' Chlorides 1900 ppm System LCM 2#
 Blow Description Packer Failure

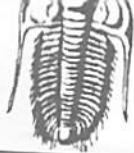
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic _____ Test 1350 Ruined Shale Packer _____
 Initial Flow _____ to _____ Jars _____ Ruined Packer _____
 Initial Shut-In _____ Circ Sub _____ Hotel _____
 Final Flow _____ to _____ Hourly Standby _____ EM Tool Successful _____
 Final Shut-In _____ Mileage 7827 136.50 Accessibility _____
 Final Hydrostatic _____ Sampler _____ Gas Sample _____
 T- On Location 02:00 Straddle _____ Oversized Hole _____
 Initial Flow - T-Started 02:59 Shale Packer _____ Sub Total -350
 Initial Shut-In - T-Open 05:00 Extra Packer _____ Total 1136.50
 Final Flow - T-Pulled 05:03 Extra Recorder _____ Tool Loaded _____ @ _____
 Final Shut-In - T-Out 07:14 Day Standby _____ MP/DST Disc't _____

Comments _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **72226**

Well Name & No. Brassfield #1 Test No. 4 Date 08/25/2024
 Company Anchor Bay Petroleum LLC Elevation 2224 KB 2216 GL
 Address 1957 Victoria Rd Hays KS 67601+9347
 Co. Rep / Geo Ed Glassman Rig Discovery #4
 Location: Sec. 8 Twp 10S Rge. 21W Co. Graham State KS

Interval Tested 3743-3823 Zone Tested Arbuckle
 Anchor Length 80' Drill Pipe Run _____ Mud Wt. 9.0
 Top Packer Depth 3738' Drill Collars Run 30 Vis 58
 Bottom Packer Depth 3743' Wt. Pipe Run - WL 5.8
 Total Depth 3823 Chlorides 2700 ppm System LCM 2#

Blow Description 07 - Surface to 8"
130 - Very Weak Surface; died @ 10 mins
07 - Surface to 10"
130 - Very Weak Surface; died @ 7 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>MAW</u>			<u>60</u>	<u>40</u>
<u>140</u>	<u>WCM</u>			<u>10</u>	<u>90</u>
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 200' BHT 113° Gravity 1.025 API RW 425 @ 102 °F Chlorides 4000 ppm
 Initial Hydrostatic 1913 Test 1800 Ruined Shale Packer _____
 Initial Flow 18 to 66 Jars _____ Ruined Packer _____
 Initial Shut-In 1169 Circ Sub _____ Hotel _____
 Final Flow 65 to 107 Hourly Standby _____ EM Tool Successful _____
 Final Shut-In 1169 Mileage _____ Accessibility _____
 Final Hydrostatic 1892 Sampler _____ Gas Sample _____
 T- On Location 07:15 Straddle _____ Oversized Hole _____
 Initial Flow 30 T-Started 07:31 Shale Packer 250 Sub Total -350
 Initial Shut-In 60 T-Open 08:52 Extra Packer _____ Total 1700
 Final Flow 45 T-Pulled 12:07 Extra Recorder _____ Tool Loaded 08/25 @ 14:30
 Final Shut-In 60 T-Out 13:41 Day Standby _____ MP/DST Disc't _____

Comments _____
 Approved By _____ Our Representative [Signature]

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