

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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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. **3512**

Date	3-29-23	Sec.	Twp.	Range	County	State	On Location	Finish
					Ellis	Ks		
					Location Ellis 35 1/2 E			
Lease	RANKIN A			Well No. 1	Owner			
Contractor	HG			To Quality Oilwell Cementing, Inc.				
Type Job	port collar			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Hole Size	7 7/8	T.D.	Charge To Anchor Bay					
Csg.	5 1/2	Depth	Street					
Tbg. Size	2 7/8	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		380 of 275# 20 DMLC			
Meas Line	Displace		14 Flowseal		used 220			
EQUIPMENT					Common			
Pumptrk 17	No.	Cementer	Bill		Poz. Mix			
		Helper						
Bulktrk	No.	Driver	Nick		Gel. 4			
		Driver						
Bulktrk 13	No.	Driver	Bryant		Calcium			
		Driver						
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			
P.C.C 1630					Handling 275			
mix 800# Gel					Mileage			
Cemt w/ 220# close tool test seat					FLOAT EQUIPMENT			
Cemt Did Circ					Guide Shoe			
Run 10 JTs					Centralizer			
wash clean					Baskets			
					AFU Inserts			
					Float Shoe			
					Latch Down			
Used 220					Pumptrk Charge port collar job			
					Mileage 21			
					Tax			
					Discount			
					Total Charge			
Signature <i>[Signature]</i>					Thanks <i>[Signature]</i>			

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. **3474**

Date	3-4-23	Sec.	33	Twp.	13	Range	20	County	Ellis	State	Ks	On Location		Finish	7:45 PM
Lease	Rankin A							Location	Ellis - S to Air base Rd, 1/2 E, 5 into						
Contractor	Discovery #2							Well No.	1						
Type Job	Long string							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.						
Hole Size	7 7/8"							T.D.	3940'						
Csg.	5 1/2" 14#							Depth	3940.60'						
Tbg. Size								Depth							
Tool	Port Collar #59							Depth	1592.43'						
Cement Left in Csg.	41.87'							Shoe Joint	41.87'						
Meas Line								Displace	95 BBLs						
EQUIPMENT								Charge To Anchor Bay							
Pumptrk	16 No. Cementer Helper Tim							Common 180							
Bulktrk	9 No. Driver Doug							Poz. Mix							
Bulktrk	P.U. No. Driver Rick							Gel.							
JOB SERVICES & REMARKS								Calcium							
Remarks:								Hulls							
Rat Hole	305X							Salt 14							
Mouse Hole	155X							Flowseal							
Centralizers	3, 6, 10, 16, 60							Kol-Seal 750#							
Baskets	3, 58							Mud CLR 48 500 gal							
D/V or Port Collar	#59							CFL-117 or CD110 CAF 38							
pipe on bottom break Circulation pump 500 gal mud Clear plug Rat + mousehole's Hook to 5 1/2" + Cement w/ 1355X. Shut down wash pump + lines Displaced plug w/ 95 BLS H2O Released + held.								Sand							
Lift pressure 600 #.								Handling 20'							
Land plug to 1500 #								Mileage							
								FLOAT EQUIPMENT							
								Guide Shoe Port Collar							
								Centralizer 5							
								Baskets 2							
								AFU Inserts							
								Float Shoe 1							
								Latch Down 1							
								Pumptrk Charge prod string							
								Mileage 21							
Signature <i>[Signature]</i>								Tax							
								Discount							
								Total Charge							

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. **3341**

Cell 785-324-1041

Date	2-26-23	Sec.	33	Twp.	13	Range	20	County	Ellis	State	KS	On Location		Finish	4:00 PM
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Location **Ellis 35 4 E 5 in**

Lease **RANKIN A** Well No. **1** Owner

Contractor **Discovery** To Quality Oilwell Cementing, Inc.
 Type Job **SURFACE** You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size **12 1/4** T.D. **221** Charge To **ANCHOR BAY Pet**

Csg. **8 5/8** Depth Street

Tbg. Size Depth City State

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

Cement Left in Csg. **15** Shoe Joint Cement Amount Ordered **1504 80/20 3-2**

Meas Line Displace **13.12**

EQUIPMENT

Pumptrk	16	No.	Cementer		Common	120
			Helper	Bill	Poz. Mix	30
Bulktrk		No.	Driver	JORDAN	Gel.	3
Bulktrk	9	No.	Driver	CORY	Calcium	6
			Driver			

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Set e 221
Cement w/ 150M
Pump plug w/ 13.12
Cement Did CIRC

Handling **159**

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge **Surface**

Mileage **21**

Signature **[Signature]**

Thanks **[Signature]**

Tax

Discount

Total Charge



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum

33-13S-20W Ellis, KS

1952 Victoria Rd.
Hays, KS 67601

Rankin A #1

Job Ticket: 70146

DST#: 1

ATTN: Ed Glassman

Test Start: 2023.03.01 @ 21:15:00

GENERAL INFORMATION:

Formation: **LKC A-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:16:45

Time Test Ended: 05:45:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3533.00 ft (KB) To 3624.00 ft (KB) (TVD)

Reference Elevations: 2262.00 ft (KB)

Total Depth: 3624.00 ft (KB) (TVD)

2254.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: 98.67 psig @ 3534.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.03.01

End Date:

2023.03.02

Last Calib.: 1899.12.30

Start Time: 21:12:05

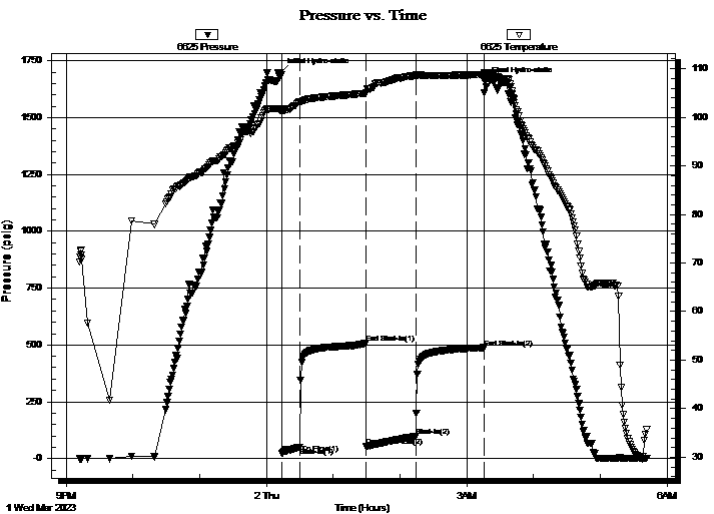
End Time:

05:41:59

Time On Btm: 2023.03.02 @ 00:12:30

Time Off Btm: 2023.03.02 @ 03:16:00

TEST COMMENT: IF-15- Built to 6 1/4"
SI1-60- No return
FF-45- Built to 8 3/4"
SI2-60- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.75	101.45	Initial Hydro-static
2	22.90	101.13	Open To Flow (1)
17	50.03	103.10	Shut-In(1)
77	508.18	104.93	End Shut-In(1)
77	52.70	105.05	Open To Flow (2)
122	98.67	108.64	Shut-In(2)
183	487.70	108.83	End Shut-In(2)
184	1657.81	109.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
94.00	mud w/oil spots 100% mud	1.05
90.00	MCW 65% w ater 35% mud	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum

33-13S-20W Ellis, KS

1952 Victoria Rd.
Hays, KS 67601

Rankin A #1

Job Ticket: 70146

DST#: 1

ATTN: Ed Glassman

Test Start: 2023.03.01 @ 21:15:00

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:

38000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
94.00	mud w /oil spots 100% mud	1.045
90.00	MCW 65% w ater 35% mud	1.262

Total Length: 184.00 ft

Total Volume: 2.307 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

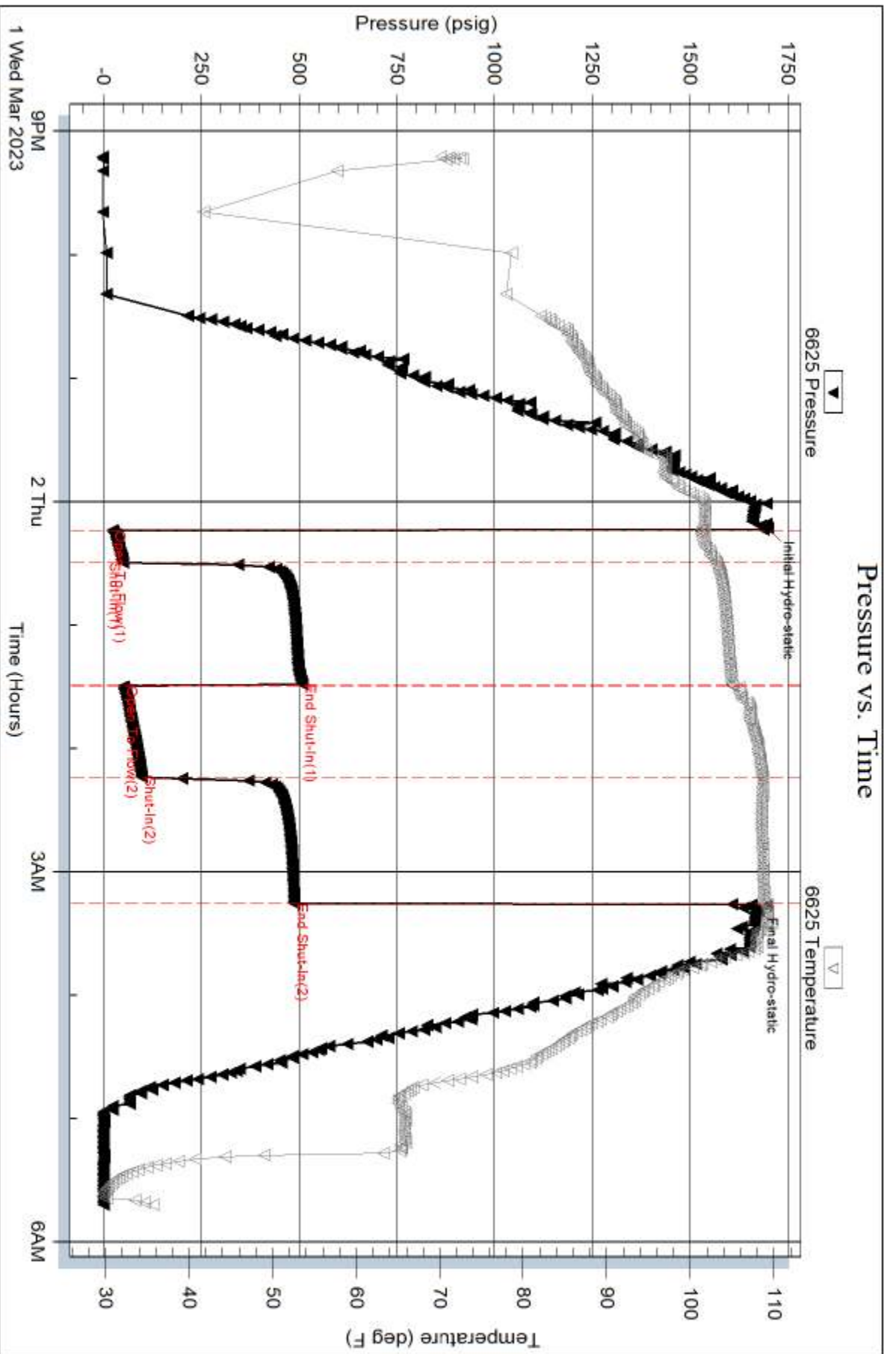
Serial #: 6625

Inside

Anchor Bay Petroleum

Rankin A #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70146

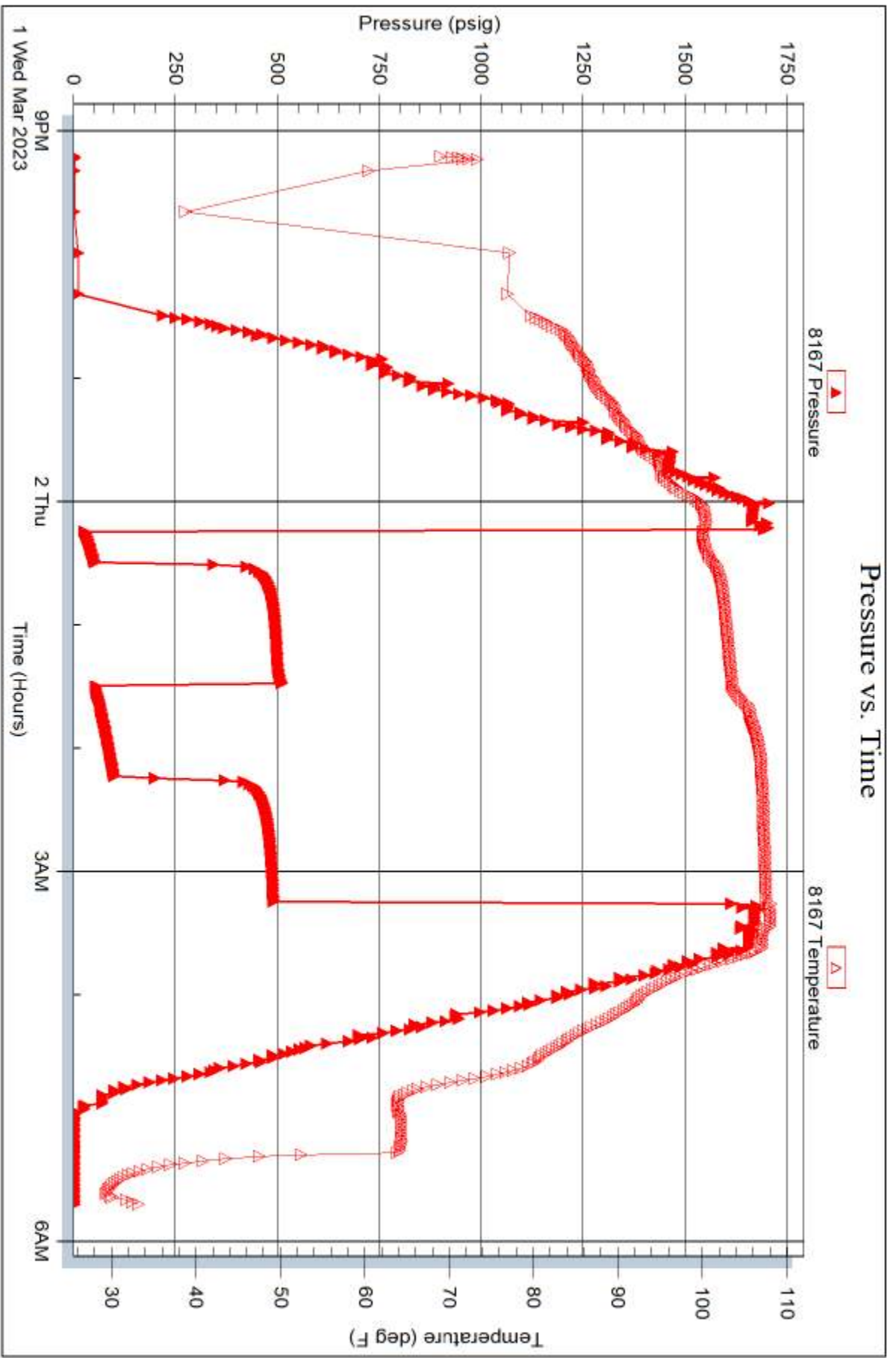
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Serial #: 8167

Outside Anchor Bay Petroleum

Rankin A #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70146

Printed: 2023.03.02 @ 07:33:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum
1952 Victoria Rd.
Hays, KS 67601
ATTN: Ed Glassman

33-13S-20W Ellis, KS

Rankin A #1

Job Ticket: 70147

DST#: 2

Test Start: 2023.03.02 @ 19:36:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:18:00

Time Test Ended: 03:14:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3695.00 ft (KB) To 3765.00 ft (KB) (TVD)

Reference Elevations: 2262.00 ft (KB)

Total Depth: 3765.00 ft (KB) (TVD)

2254.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: 33.68 psig @ 3696.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.03.02

End Date:

2023.03.03

Last Calib.:

2023.03.03

Start Time: 19:36:05

End Time:

03:14:13

Time On Btm:

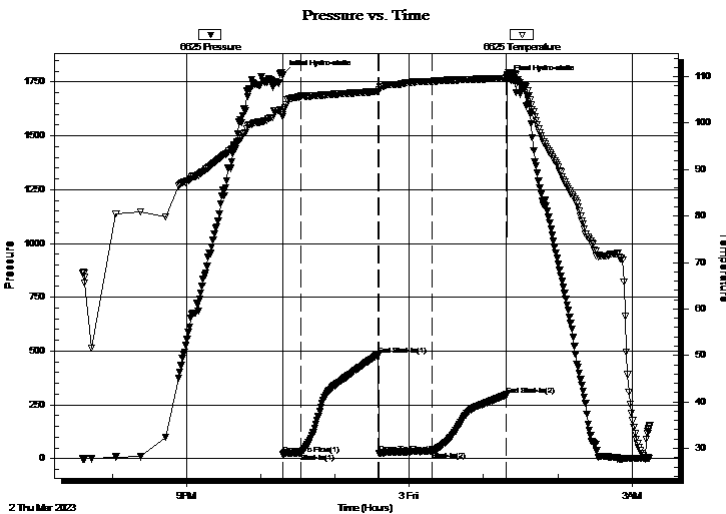
2023.03.02 @ 22:17:45

Time Off Btm:

2023.03.03 @ 01:19:00

TEST COMMENT: IF-15- Built to 8"
SI1-60- No return
FF-45- Built to 7"
SI2-60- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.49	101.93	Initial Hydro-static
1	20.77	101.33	Open To Flow (1)
15	27.08	105.81	Shut-In(1)
78	483.52	106.80	End Shut-In(1)
78	25.52	107.15	Open To Flow (2)
121	33.68	109.00	Shut-In(2)
181	297.33	109.67	End Shut-In(2)
182	1759.51	110.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	GOCM 5% gas 25% oil 70% mud	0.50
0.00	134' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum

33-13S-20W Ellis, KS

1952 Victoria Rd.
Hays, KS 67601

Rankin A #1

Job Ticket: 70147

DST#: 2

ATTN: Ed Glassman

Test Start: 2023.03.02 @ 19:36:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	GOCM 5% gas 25% oil 70% mud	0.498
0.00	134' GIP	0.000

Total Length: 55.00 ft Total Volume: 0.498 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

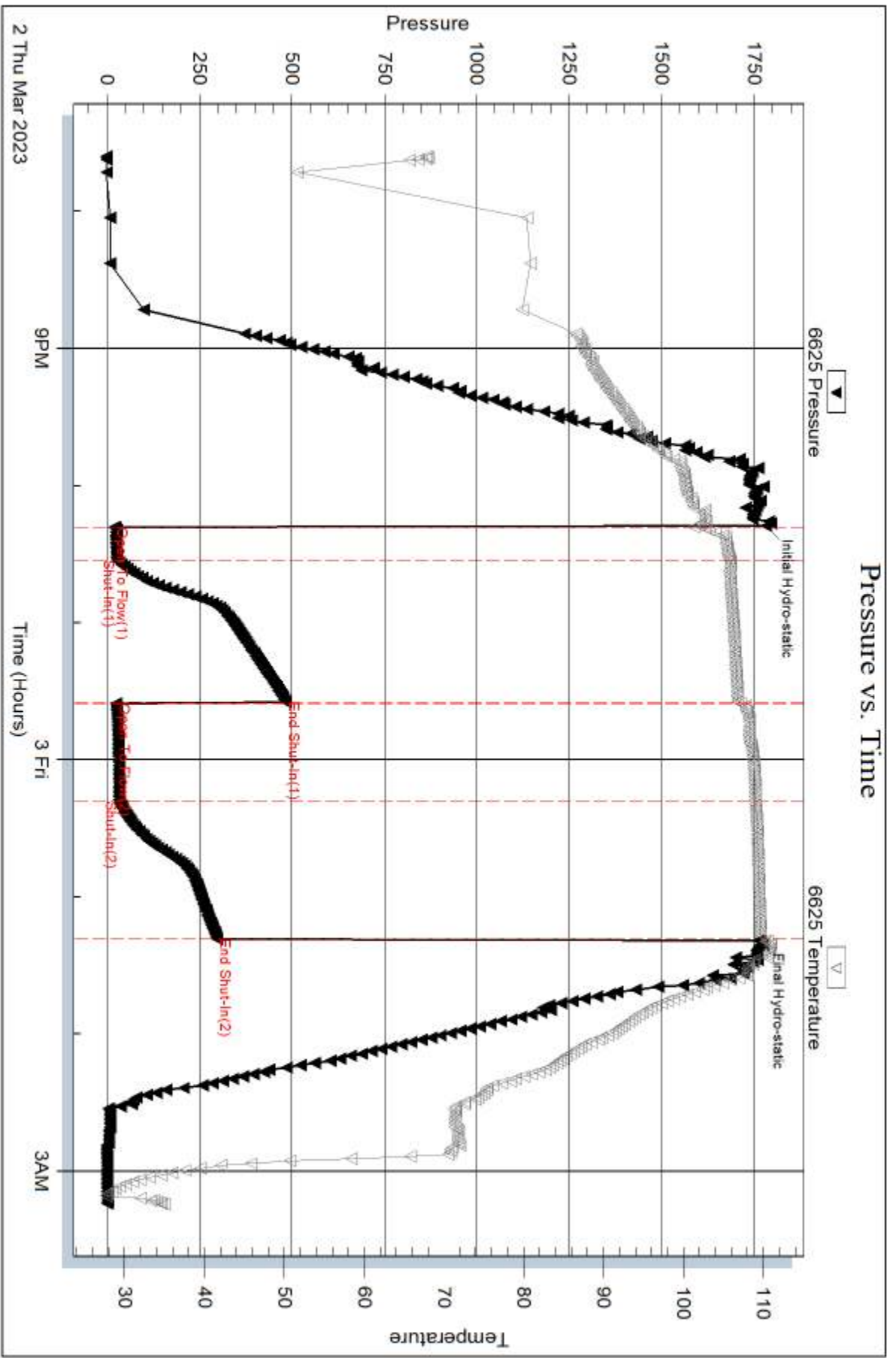
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Inside

Anchor Bay Petroleum

Rankin A #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 70147

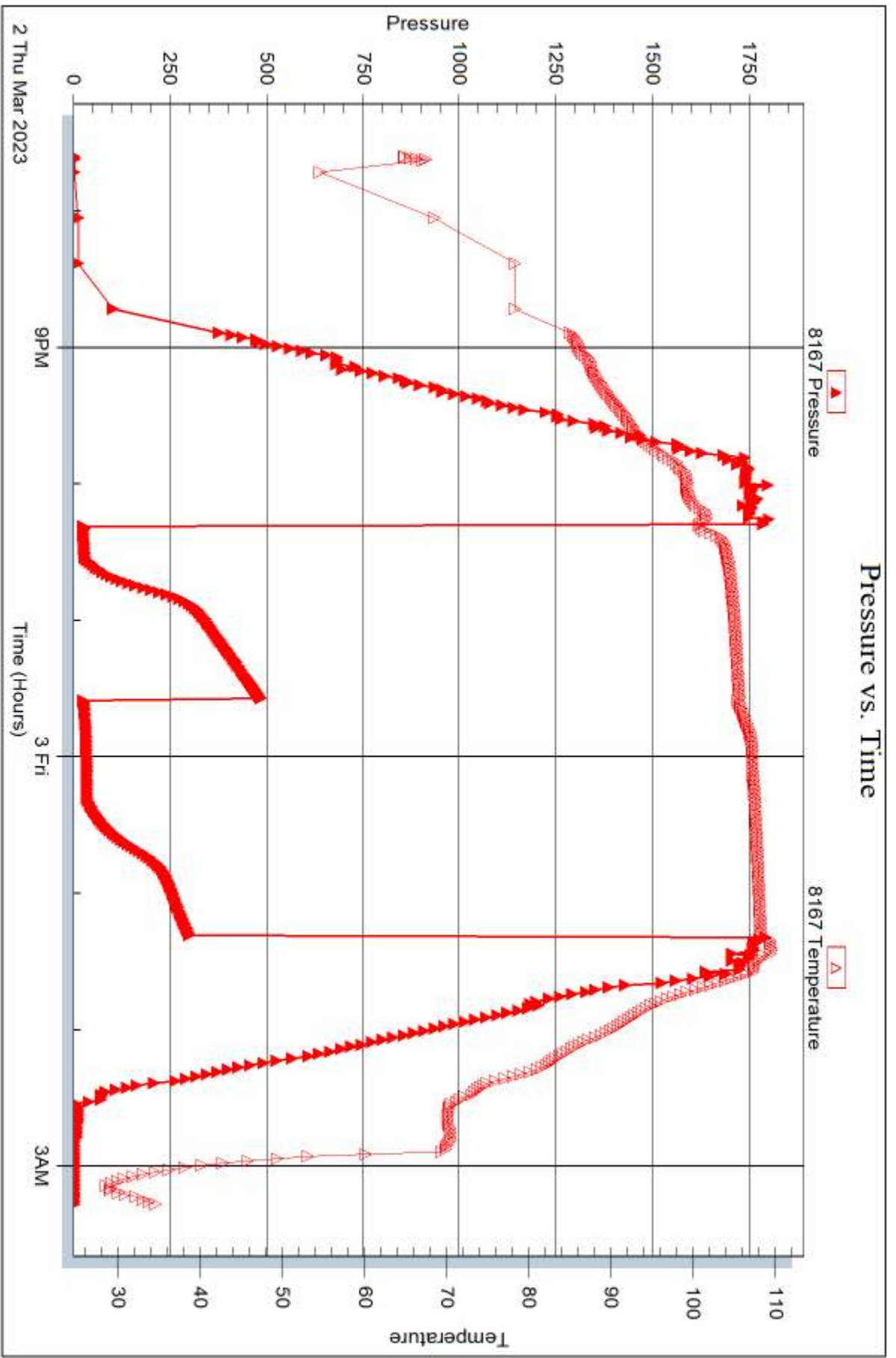
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Serial #: 8167

Outside Anchor Bay Petroleum

Rankin A #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 70147

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum

33-13S-20W Ellis, KS

1952 Victoria Rd.
Hays, KS 67601

Rankin A #1

Job Ticket: 70148

DST#: 3

ATTN: Ed Glassman

Test Start: 2023.03.03 @ 21:04:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:25:45

Time Test Ended: 02:53:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3292.00 ft (KB) To 3325.00 ft (KB) (TVD)

Reference Elevations: 2262.00 ft (KB)

Total Depth: 3939.00 ft (KB) (TVD)

2254.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: 18.19 psig @ 3293.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.03.03

End Date:

2023.03.04

Last Calib.: 2023.03.04

Start Time: 21:04:05

End Time:

02:53:44

Time On Btm: 2023.03.03 @ 23:25:30

Time Off Btm: 2023.03.04 @ 01:09:45

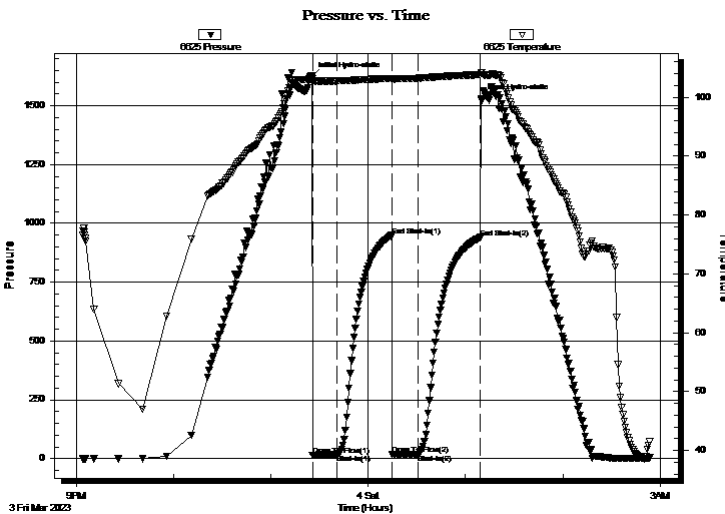
TEST COMMENT: IF-15- Built to 1/2"

SI1-35- no return

FF-15- no blow

SI2-35- no return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.48	103.06	Initial Hydro-static
1	14.86	102.56	Open To Flow (1)
15	16.19	102.79	Shut-In(1)
49	948.42	103.17	End Shut-In(1)
50	17.04	103.09	Open To Flow (2)
65	18.19	103.22	Shut-In(2)
104	940.16	103.83	End Shut-In(2)
105	1529.07	104.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% (oil spots in tool)	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

Anchor Bay Petroleum

33-13S-20W Ellis, KS

1952 Victoria Rd.
Hays, KS 67601

Rankin A #1

Job Ticket: 70148

DST#: 3

ATTN: Ed Glassman

Test Start: 2023.03.03 @ 21:04:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100% (oil spots in tool)	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: 1# LCM

Serial #: 6625

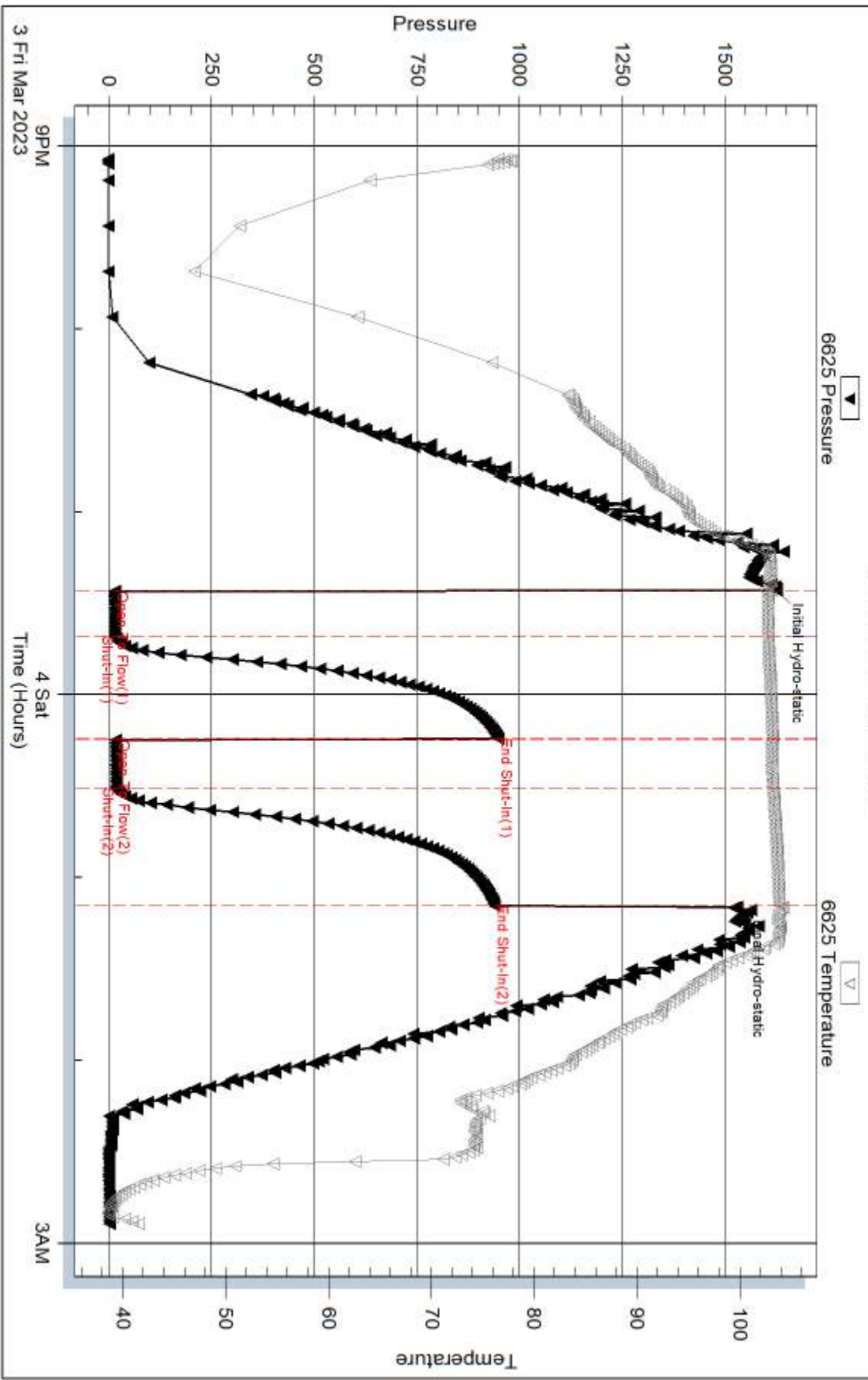
Inside

Anchor Bay Petroleum

Rankin A #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 70148

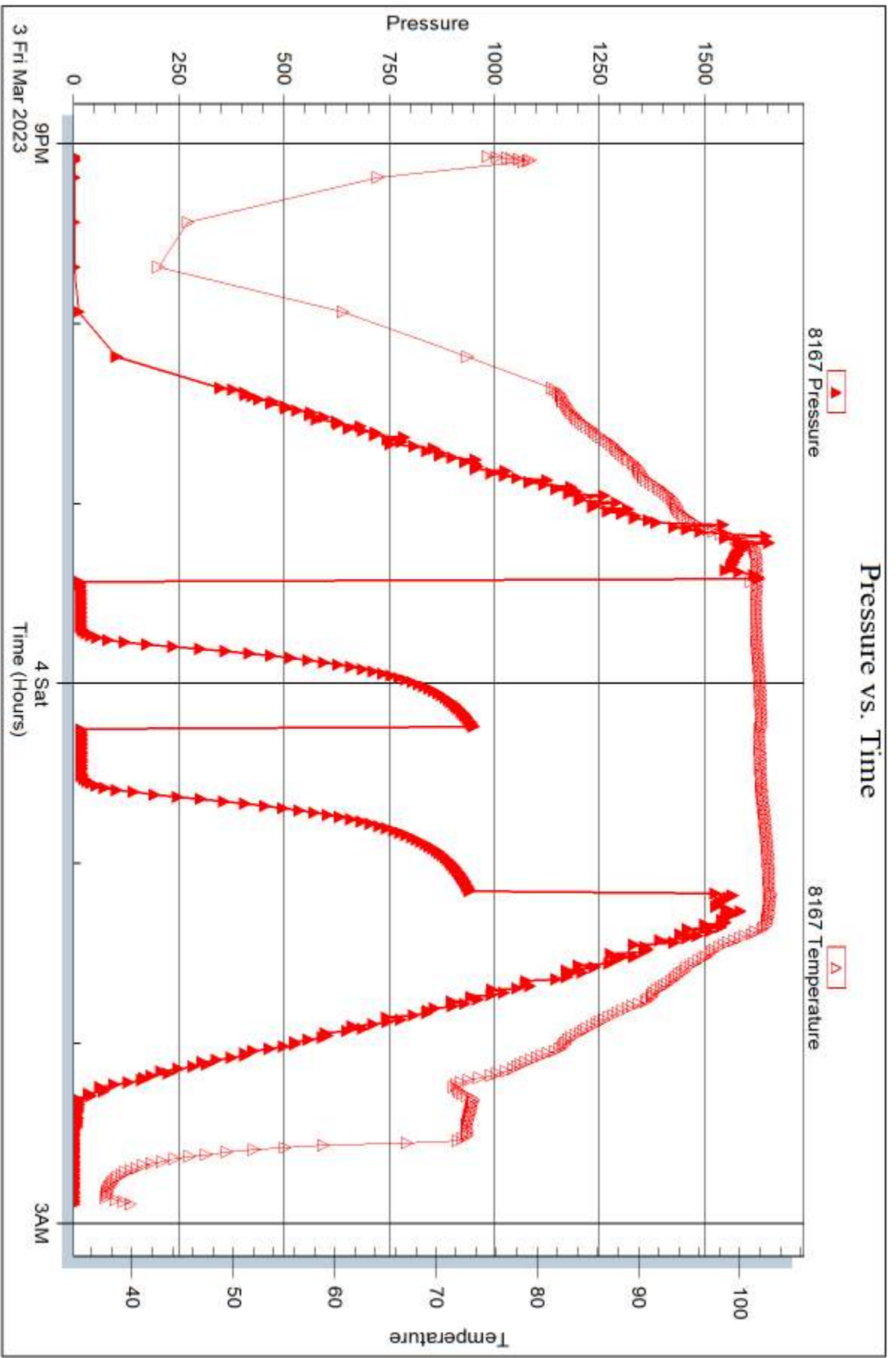
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Serial #: 8167

Outside Anchor Bay Petroleum

Rankin A #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 70148

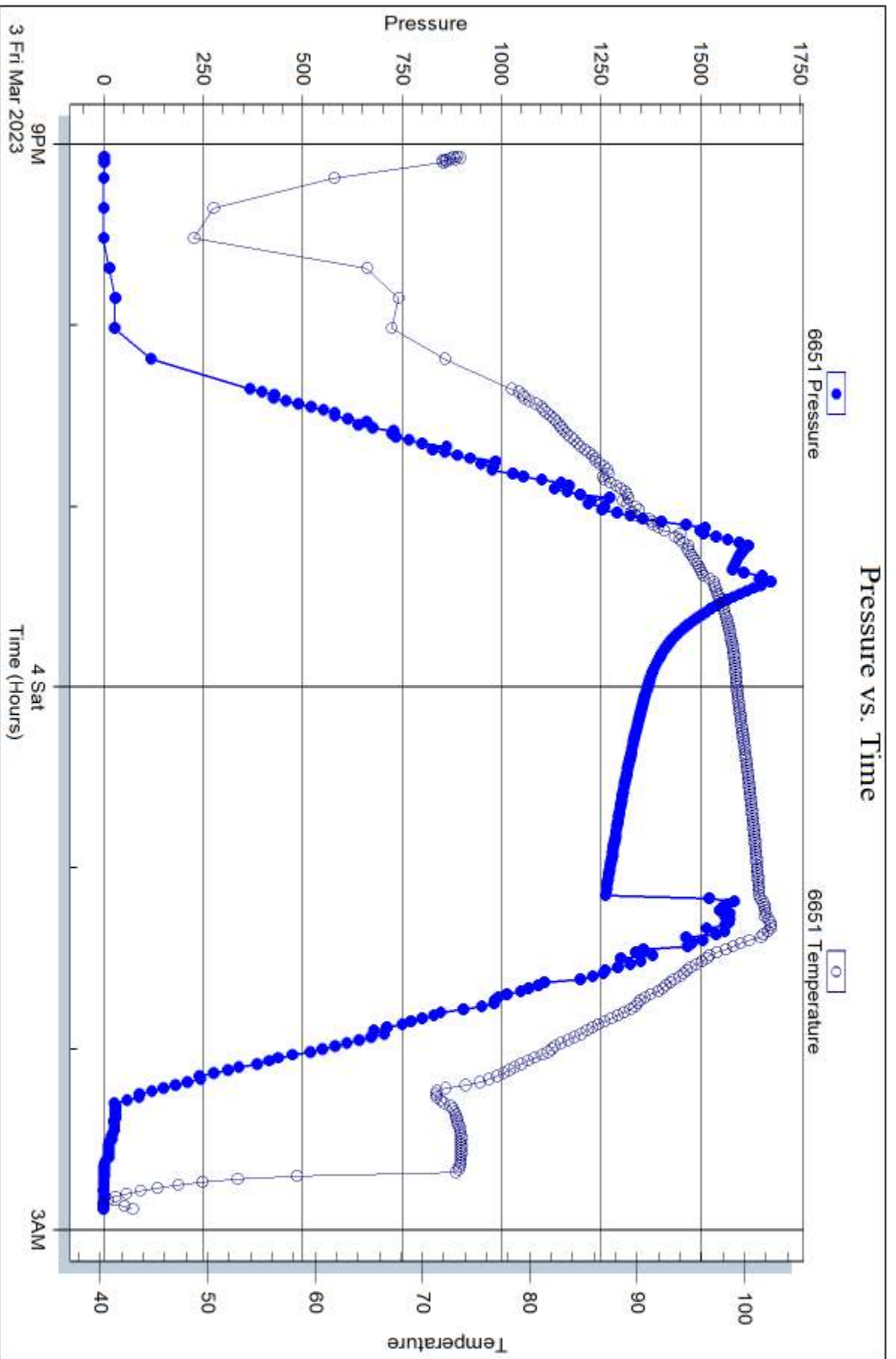
Printed: 2023.03.04 @ 06:48:11

Serial #: 6651

Below (Stratton) Bay Petroleum

Rankin A #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 70148

Printed: 2023.03.04 @ 06:48:11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Anchor Bay Petroleum
 1952 Victoria Rd.
 Hays, KS 67601
 ATTN: Ed Glassman

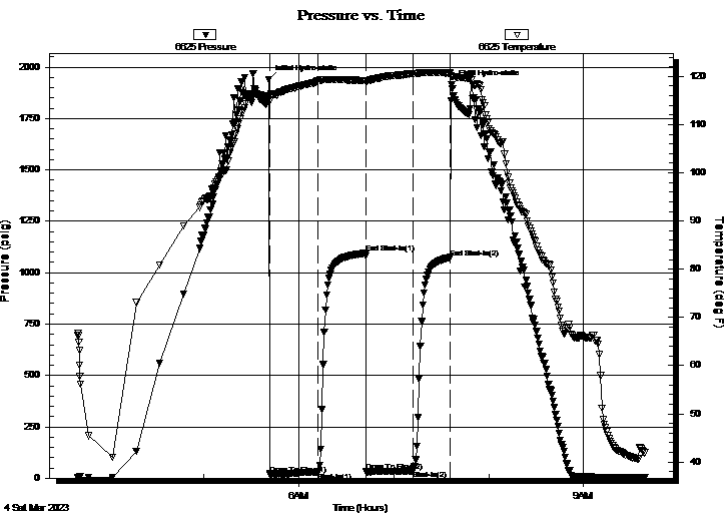
33-13S-20W Ellis, KS
Rankin A #1
 Job Ticket: 70149 **DST#: 4**
 Test Start: 2023.03.04 @ 03:40:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:41:45
 Time Test Ended: 09:38:30
 Interval: **3787.00 ft (KB) To 3897.00 ft (KB) (TVD)**
 Total Depth: 3939.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Straddle (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2262.00 ft (KB)
 2254.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 36.26 psig @ 3788.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.04 End Date: 2023.03.04 Last Calib.: 2023.03.04
 Start Time: 03:40:05 End Time: 09:38:29 Time On Btm: 2023.03.04 @ 05:40:45
 Time Off Btm: 2023.03.04 @ 07:36:30

TEST COMMENT: IF-30- Built to 1 1/2"
 SI1-30- No return
 FF-30- Built to 3/4"
 SI2-30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.44	116.06	Initial Hydro-static
1	17.31	115.81	Open To Flow (1)
32	28.75	119.15	Shut-In(1)
62	1094.22	119.13	End Shut-In(1)
62	31.22	118.96	Open To Flow (2)
92	36.26	120.58	Shut-In(2)
115	1073.98	120.68	End Shut-In(2)
116	1916.49	120.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	SOCMW 2% oil 53% water 45% Mud	0.43

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum

33-13S-20W Ellis, KS

1952 Victoria Rd.
Hays, KS 67601

Rankin A #1

Job Ticket: 70149

DST#: 4

ATTN: Ed Glassman

Test Start: 2023.03.04 @ 03:40:00

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:

21500 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	SOCMW 2% oil 53% water 45% Mud	0.428

Total Length: 50.00 ft

Total Volume: 0.428 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM

Serial #: 6625

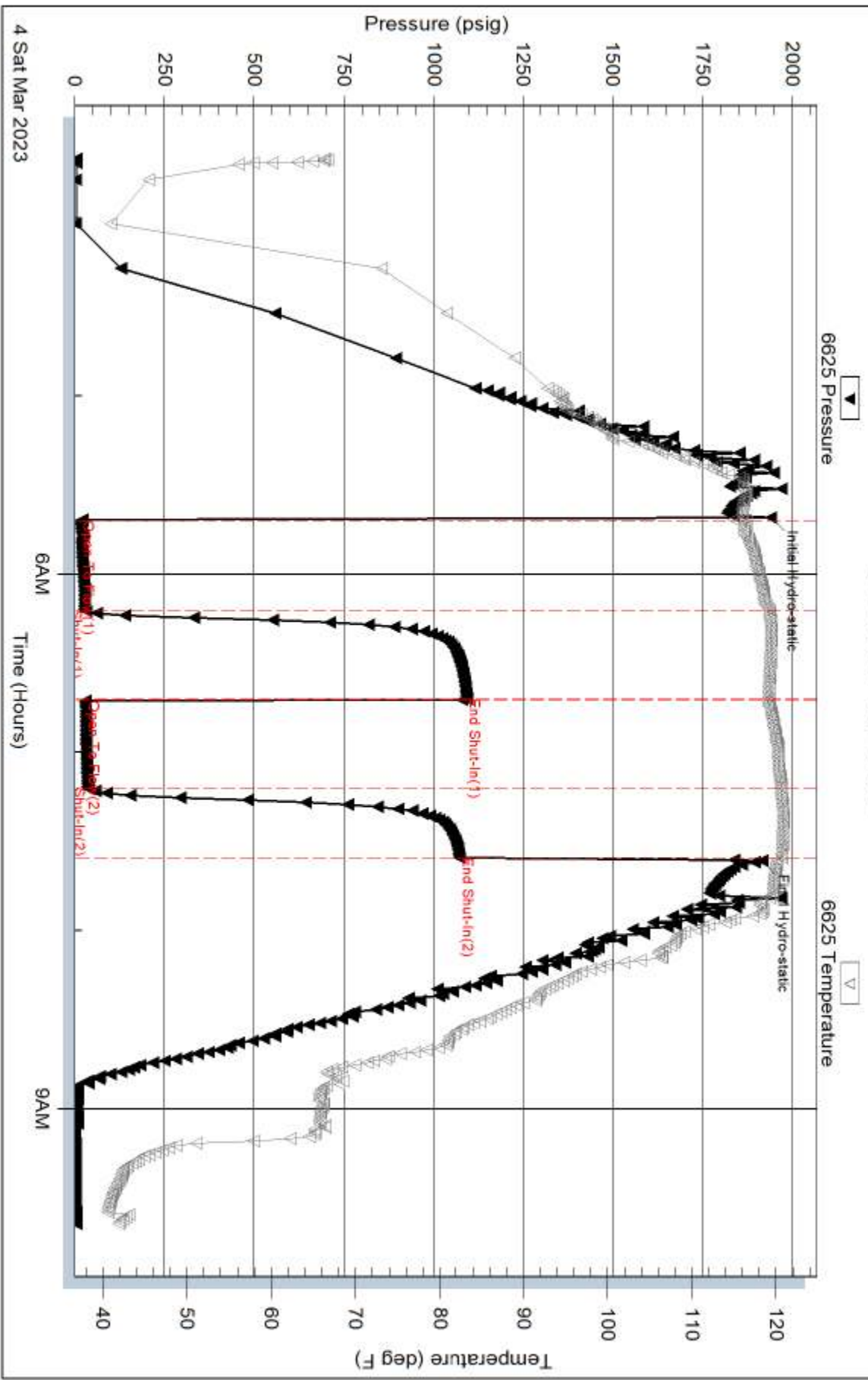
Inside

Anchor Bay Petroleum

Rankin A #1

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 70149

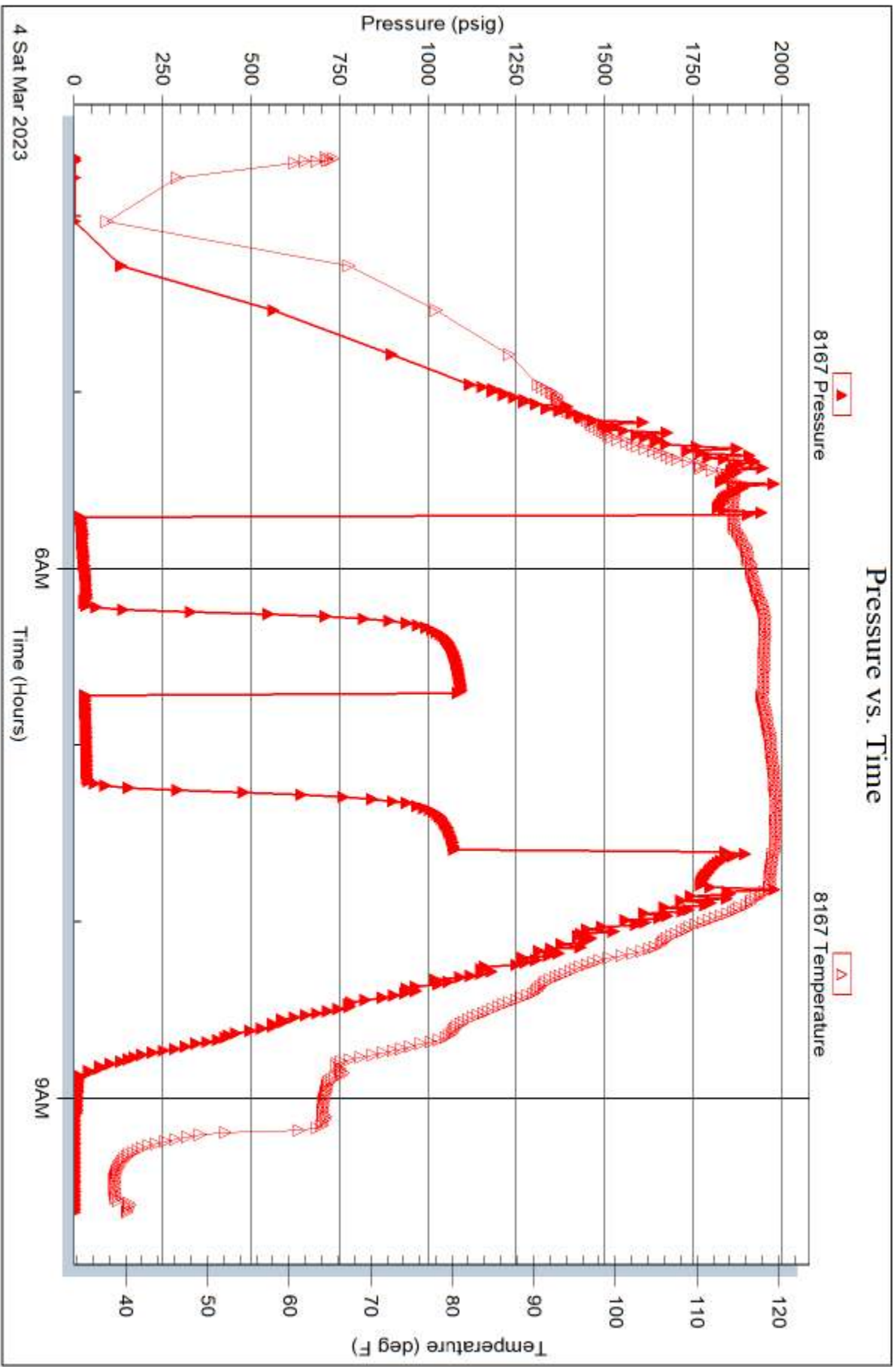
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Serial #: 8167

Outside Anchor Bay Petroleum

Rankin A #1

DST Test Number: 4



Serial #: 6651

Below (Stratton) Bay Petroleum

Rankin A #1

DST Test Number: 4

