

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 Recompletion Date _____ 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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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	PERKINS 5-3
Doc ID	1663351

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	PERKINS 5-3
Doc ID	1663351

Tops

Name	Top	Datum
Heebner Shale	4381	(-1824)
Brown Limestone	4522	(-1965)
Lansing / Kansas City	4532	(-1975)
Stark Shale	4861	(-2304)
Base Kansas City	4983	(-2426)
Pawnee	5076	(-2519)
Cherokee Shale	5126	(-2569)
Base Penn Limestone	5224	(-2667)
Mississippian	5252	(-2703)
RTD	5350	(-2793)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	PERKINS 5-3
Doc ID	1663351

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
3	5251	5258			Ran Tubing with packer & plug to isolate top set of perfs, swab tested
3	5272	5280			Moved packer & plug to isolate lower set of perfs, swab tested. Zones communicated.
					Moved packer & plug to isolate top set of perfs. Acidized with 1000 gal 15% MCA
					Moved packer & plug to isolate lower set of perfs. Acidized with 1000 gal 15% MCA

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	PERKINS 5-3
Doc ID	1663351

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
					Released packer & plug and swabbed both zones with final rate of 13.34 bbl /hr (21% Oil)
					Pulled plug and packer and ran tubing and rods. Set surface equipment and turned well to production.

QUALITY WELL SERVICE, INC.

7958

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-11-22	3	29S	23W	Foro	Ks		
Lease	PERKINS	Well No.	5-3	Location	Kingsclawn Ks N to Wilhousen Rd		
Contractor	DUKE DRUG RIG #1			Owner	W to tank bottom Sinto		
Type Job	Surface			To Quality Well Service, 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	12 1/4	T.D.	700'	Charge To	URGENT OIL CORP		
Csg.	8 5/8 23'	Depth	697'	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.		Shoe Joint	42.24	Cement Amount Ordered	1524 MGR 2 1/2 CC 1/2" PS		
Meas Line		Displace	41.90	1524 Common 2 1/2 GSI 2 1/2 CC 1/2" PS			
EQUIPMENT							
Pumptrk	3	No.		Common	150 SC		
Bulktrk	10	No.		Poz. Mix	150 SC		
Bulktrk	12	No.		Gel.	564 #		
Pickup		No.		Calcium	846 #		
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal 150 #			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
Run 16 str 8 5/8 23' Csg set @ 697'				Sand			
START Csg Csg on bottom				Handling 332			
Hook up to Csg - Break circ w/ RIG				Mileage 65/12000			
START Pumping H2O				FLOAT EQUIPMENT			
START mix: Pump 1524 mix @ 12" CAL				Guide-Shoe N. 17 1 EA			
START mix: Pump 1524 Common @ 14.3" CAL				Centralizer 8 5/8 RAFFLE Plate 1 EA			
START mix on Release 8 5/8 Wooden Plug				Baskets 3 5/8 Wooden Plug 1 EA			
START also				AFU Inserts			
Flk Draw 41.90 Bbls 500'				Float Shoe			
Close Valve on Csg				Latch Down			
Good circ thru JOB				SERVICE SPI 1 EA			
Circ out to PIT				LMV 65'			
				Pumptrk Charge Surface			
THANK YOU				Mileage 195			
PLEASE CALL AGAIN				Tax			
BOB MIKE BILINGS				Discount			
Mike Steffen				Total Charge			
X Signature							

QUALITY WELL SERVICE, INC.

7975

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

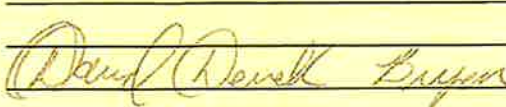
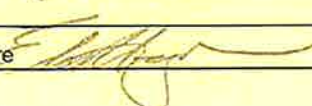
Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	5-22-22	Sec.	3	Twp.	29	Range	23	County	Ford	State	KS	On Location		Finish	1:15						
Lease	Pekins		Well No.	5-3		Location															
Contractor	Duke 1					Owner															
Type Job	Long string					To Quality Well Service, Inc.															
Hole Size	7 7/8"					T.D.	5350					You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Csg.	4 1/2"					Depth	5349					Charge To	Vincent								
Tbg. Size						Depth						Street									
Tool						Depth						City									
Cement Left in Csg.						Shoe Joint	21'					State									
Meas Line						Displace	82.5					The above was done to satisfaction and supervision of owner agent or contractor.									
EQUIPMENT										Cement Amount Ordered						22.55 P10 C 22.61					
										102 salt 5" Kol Seal 162 C16A 75:41P. 25# P.S.											
Pumptrk	8	No.									Common		225								
Bulktrk	10	No.									Poz. Mix										
Bulktrk		No.									Gel.		423"								
Pickup		No.									Calcium										
JOB SERVICES & REMARKS										Hulls											
Rat Hole												Salt		1735"							
Mouse Hole												Flowseal		56.25							
Centralizers												Kol-Seal		1125"							
Baskets												Mud CLR 48		500 Gal							
D/V or Port Collar												CFL-117 or CD110 CAF 38		6/6A 177							
Run 126jts H.O csg set @ 5349																Sand		11-1 76gal 141P53			
Hooked up to csg break ric with																Handling		277			
ric Rotate hion ball ric																Mileage		651 10.500			
Pumped 10bbts H ² O 12bbts mud Flush																4 1/2		FLOAT EQUIPMENT			
10bbts H ² O. Plug Rat and Mouse																Guide Shoe		1 Ea			
hole 50% Mix and pump 175sv																Centralizer		6 Ea			
shut down wash up release plug																Baskets		Top Rubber Plug 1 Ea			
Displace with 2% KCL water.																AFU Inserts		1 Ea			
Lift pressure 70bbts 400psi																Float Shoe		H:M 1 Ea			
Plug down 82.5 bbts. Released																Latch Down		Rotate Head 1 Ea			
hold.																Service Expansive		1 Ea			
																LMV 605					
																Pumptrk Charge		25			
																Mileage		130			
																		Tax			
																		Discount			
<input checked="" type="checkbox"/> Signature 																		Total Charge			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68943

DST#: 1

ATTN: Tom Dudgeon

Test Start: 2022.05.18 @ 00:00:00

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Interval: 5208.00 ft (KB) To 5258.00 ft (KB) (TVD)

Total Depth: 5258.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Reference Elevations: 2556.00 ft (KB)

2544.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8846

Inside

Press@RunDepth: psig @ 5213.00 ft (KB)

Start Date: 2022.05.18

End Date:

2022.05.19

Start Time: 19:38:52

End Time:

00:58:01

Capacity: 8000.00 psig

Last Calib.:

2022.05.19

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Packer Failure

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68943

DST#: 1

ATTN: Tom Dudgeon

Test Start: 2022.05.18 @ 00:00:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length:

ft

Total Volume:

bbbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

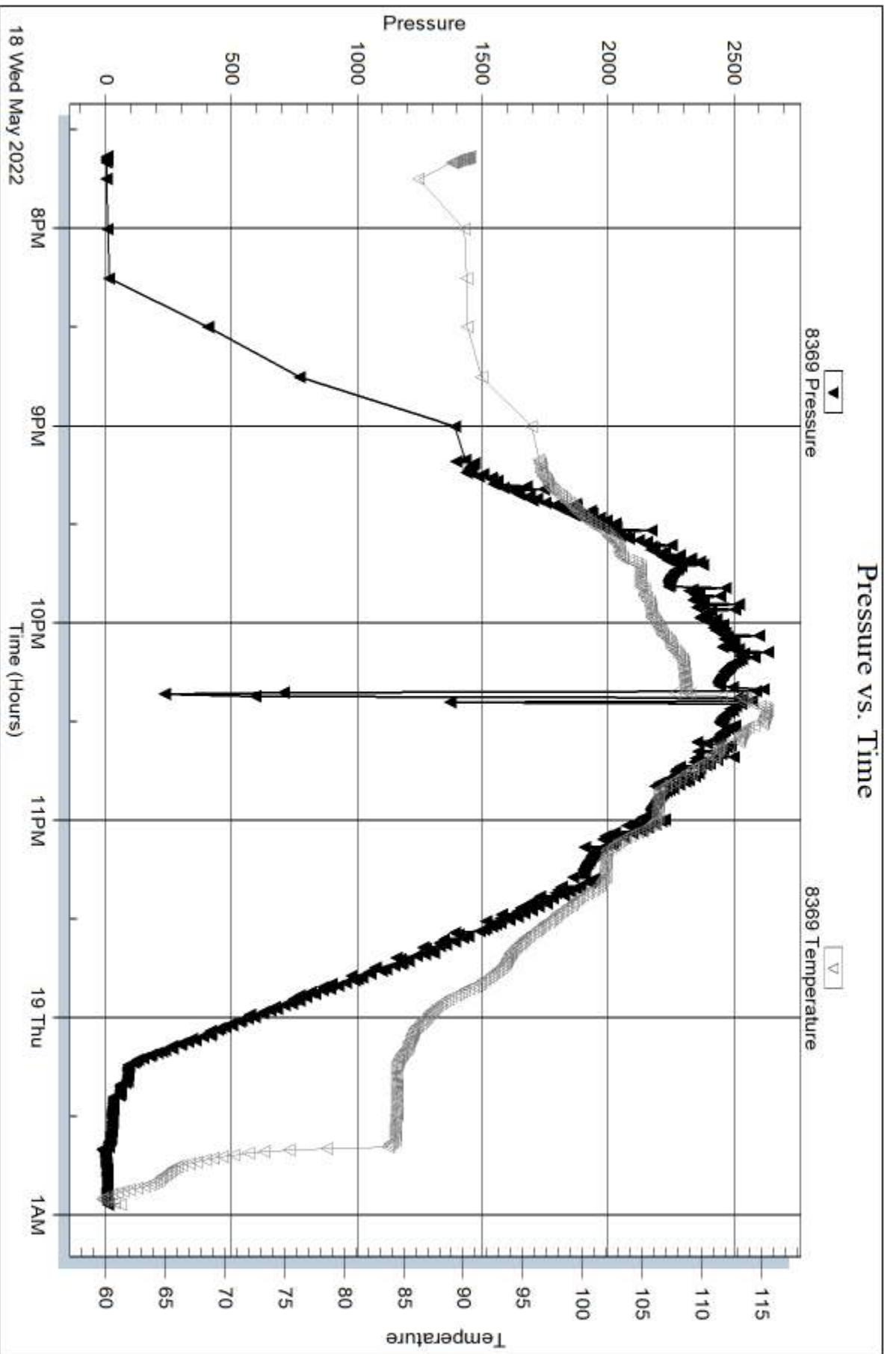
Recovery Comments:

Serial #: 8369

Outside Vincent Oil Corp.

Perkins 5-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68943

Printed: 2022.05.19 @ 14:28:36

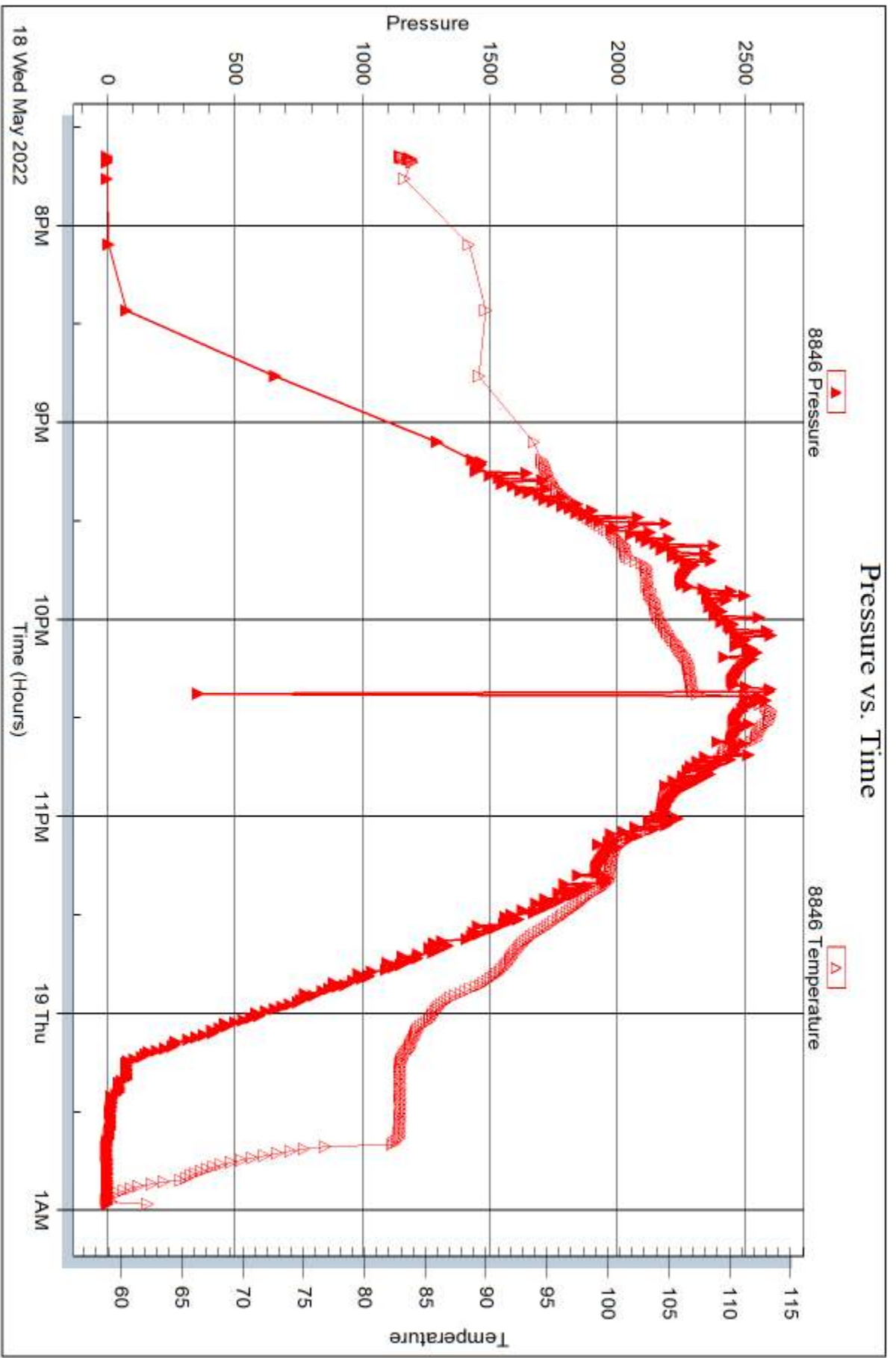
Serial #: 8846

Inside

Vincent Oil Corp.

Perkins 5-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68943

Printed: 2022.05.19 @ 14:28:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68945

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2022.05.19 @ 01:53:01

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:11:41

Time Test Ended: 11:11:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5157.00 ft (KB) To 5258.00 ft (KB) (TVD)

Reference Elevations: 2556.00 ft (KB)

Total Depth: 5258.00 ft (KB) (TVD)

2544.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8369 Outside

Press@RunDepth: 83.43 psig @ 5167.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.19 End Date: 2022.05.19

Last Calib.: 2022.05.19

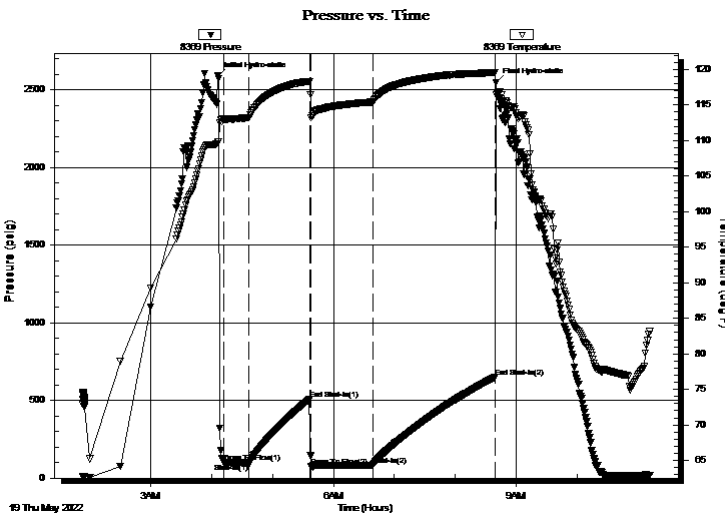
Start Time: 01:53:02 End Time: 11:11:50

Time On Btm: 2022.05.19 @ 04:06:11

Time Off Btm: 2022.05.19 @ 08:40:10

TEST COMMENT: IF:Strong Building Blow built 565.40" (30)
IS:No Blow Back (60)
FF:Strong Building Blow built 475.31"(60)
FS: .25" Blow Back (120)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2588.03	109.75	Initial Hydro-static
6	101.69	112.98	Open To Flow (1)
31	94.65	113.22	Shut-In(1)
91	506.12	118.33	End Shut-In(1)
92	76.04	113.25	Open To Flow (2)
153	83.43	115.42	Shut-In(2)
273	650.86	119.58	End Shut-In(2)
274	2545.65	116.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
113.00	GCM 95%M 5%G	1.65

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.71	9.77
Last Gas Rate	0.13	16.13	11.43
Max. Gas Rate	0.13	16.13	11.43



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68945

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2022.05.19 @ 01:53:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
113.00	GCM 95%M 5%G	1.653

Total Length: 113.00 ft Total Volume: 1.653 bbl

Num Fluid Samples: 0

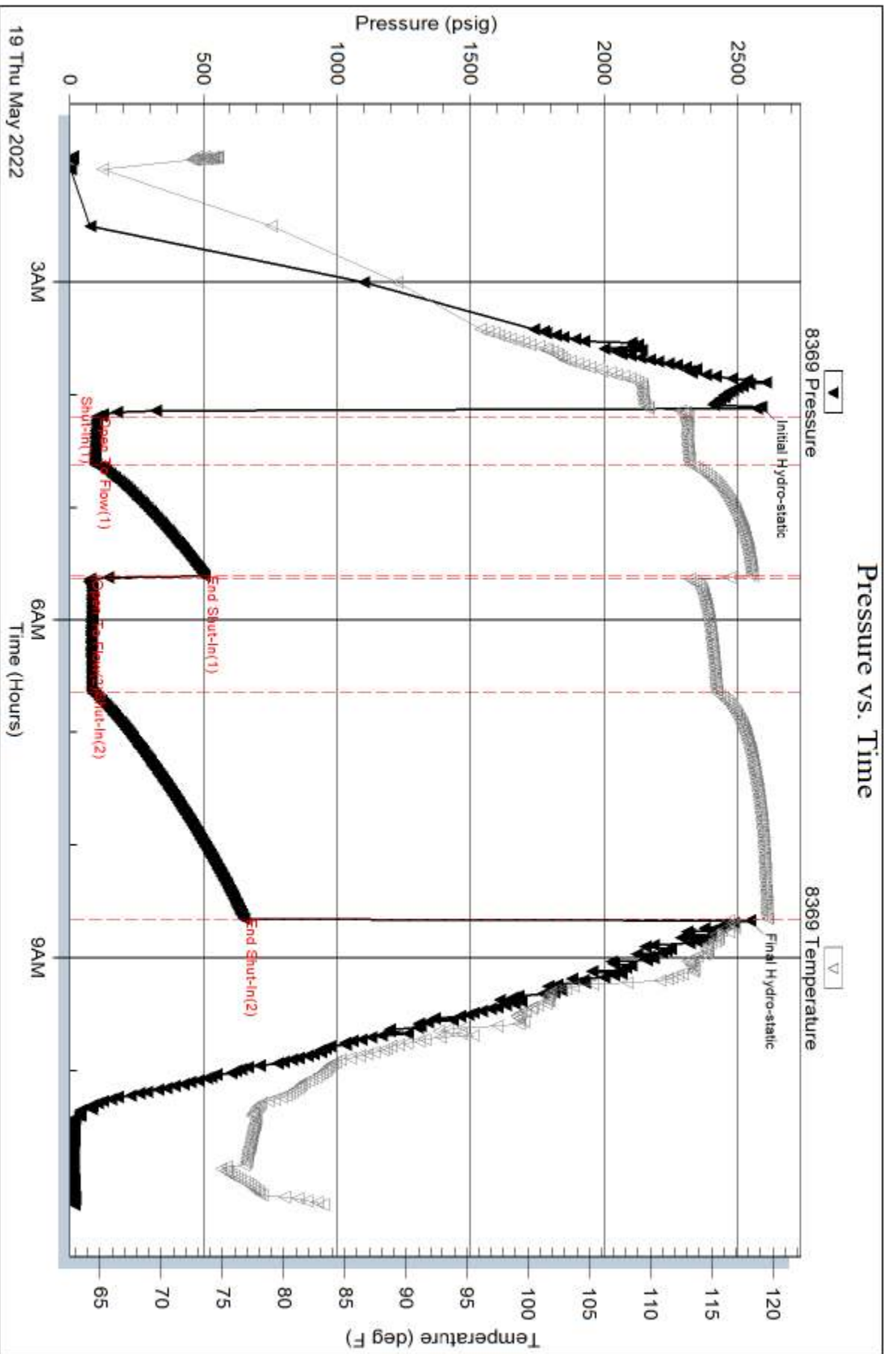
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



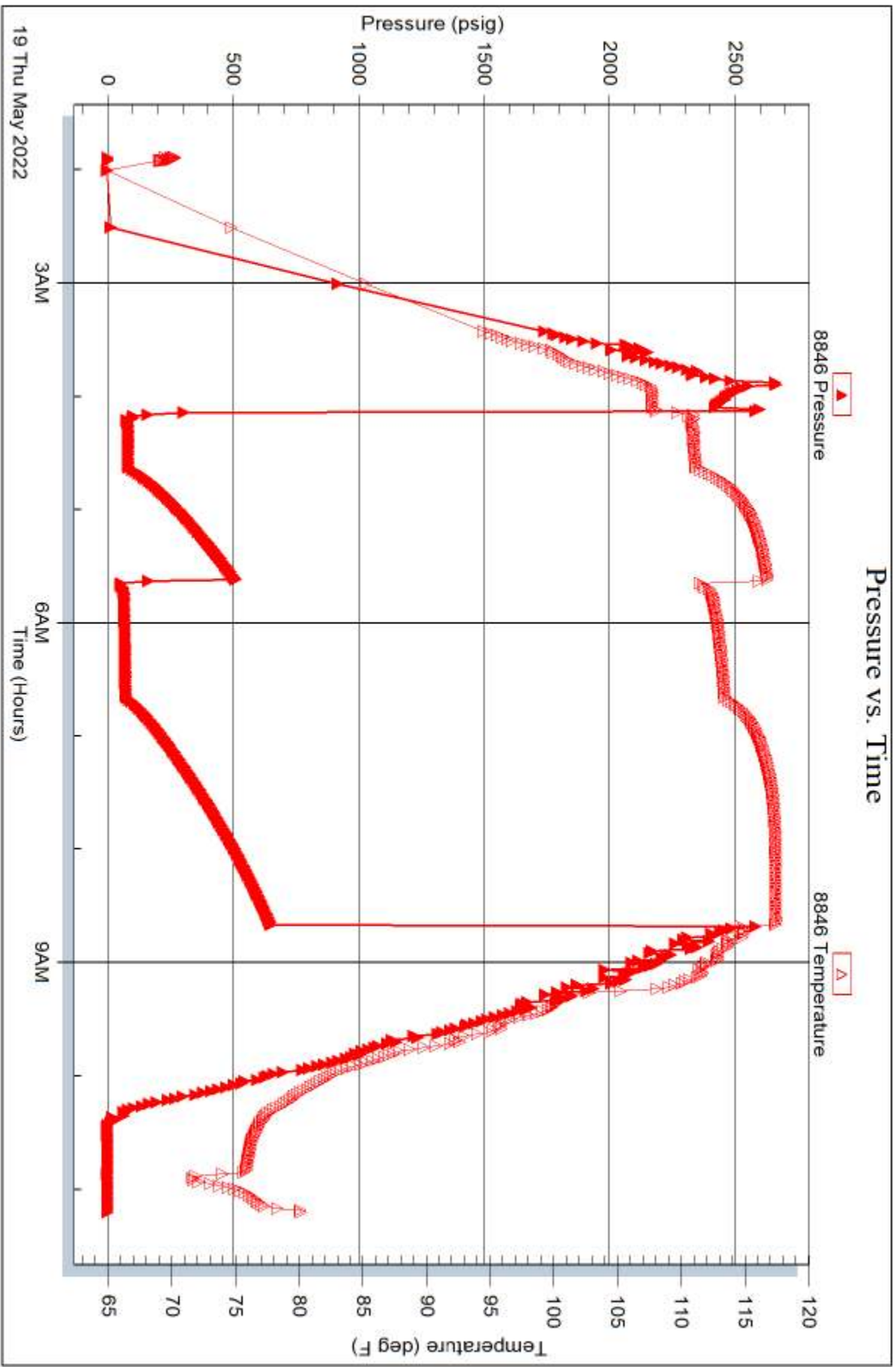
Serial #: 8846

Inside

Vincent Oil Corp.

Perkins 5-3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68945

Printed: 2022.05.19 @ 14:20:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68945

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2022.05.19 @ 20:46:48

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:47:18

Time Test Ended: 06:25:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5272.00 ft (KB) To 5286.00 ft (KB) (TVD)

Reference Elevations: 2556.00 ft (KB)

Total Depth: 5286.00 ft (KB) (TVD)

2544.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8369 Outside

Press@RunDepth: 40.45 psig @ 5273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.19

End Date:

2022.05.20

Last Calib.: 1899.12.30

Start Time: 20:46:49

End Time:

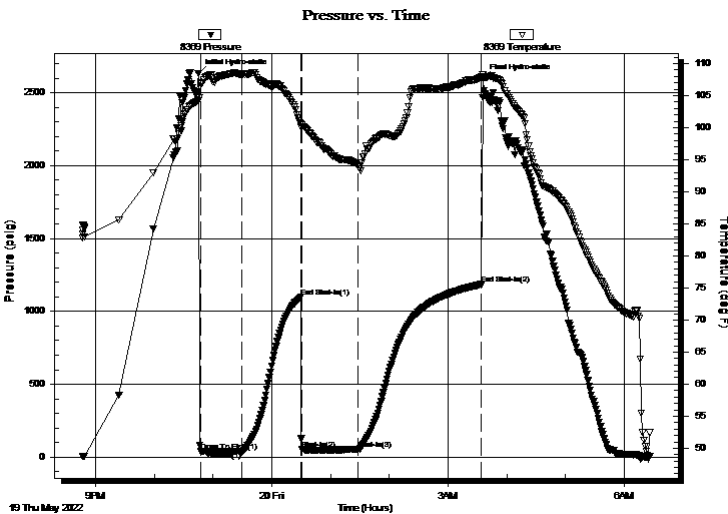
06:25:58

Time On Btm: 2022.05.19 @ 22:44:58

Time Off Btm: 2022.05.20 @ 03:35:38

TEST COMMENT: IF:Strong Building Blow built to 27.03" (45)
IS:No Blow Back (60)
FF:Strong Building Blow built to 46.26" (60)
FS:No Blow Back (120)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2628.80	104.20	Initial Hydro-static
3	42.11	106.80	Open To Flow (1)
45	40.45	108.32	Shut-In(1)
105	1096.90	100.60	End Shut-In(1)
106	56.45	100.41	Shut-In(2)
164	54.04	94.04	Shut-In(3)
290	1185.90	107.88	End Shut-In(2)
291	2598.32	108.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOWCM	0.92
0.00	1321' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68945

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2022.05.19 @ 20:46:48

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:47:18

Time Test Ended: 06:25:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5272.00 ft (KB) To 5286.00 ft (KB) (TVD)

Reference Elevations: 2556.00 ft (KB)

Total Depth: 5286.00 ft (KB) (TVD)

2544.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: psig @ 5273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.19 End Date: 2022.05.20

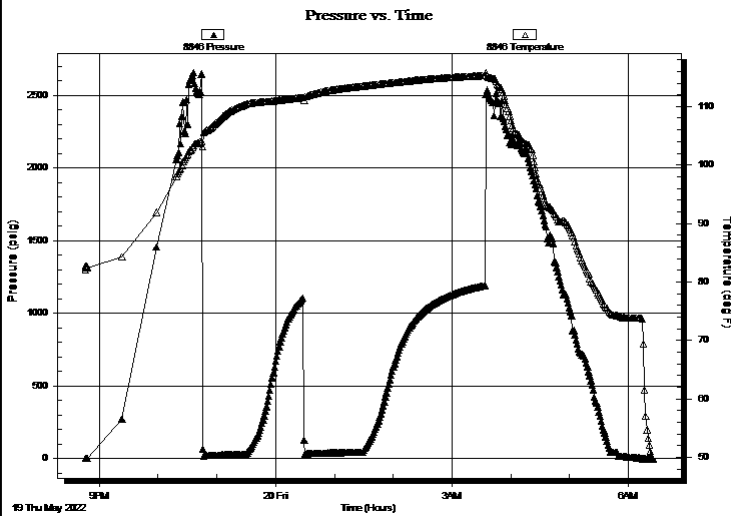
Last Calib.: 2022.05.20

Start Time: 20:46:03 End Time: 06:25:42

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Strong Building Blow built to 27.03" (45)
IS:No Blow Back (60)
FF:Strong Building Blow built to 46.26" (60)
FS:No Blow Back (120)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOWCM	0.92
0.00	1321' 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

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68945

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2022.05.19 @ 20:46:48

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:

27000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6350.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
63.00	GOWCM	0.921
0.00	1321' GIP	0.000

Total Length: 63.00 ft

Total Volume: 0.921 bbl

Num Fluid Samples: 0

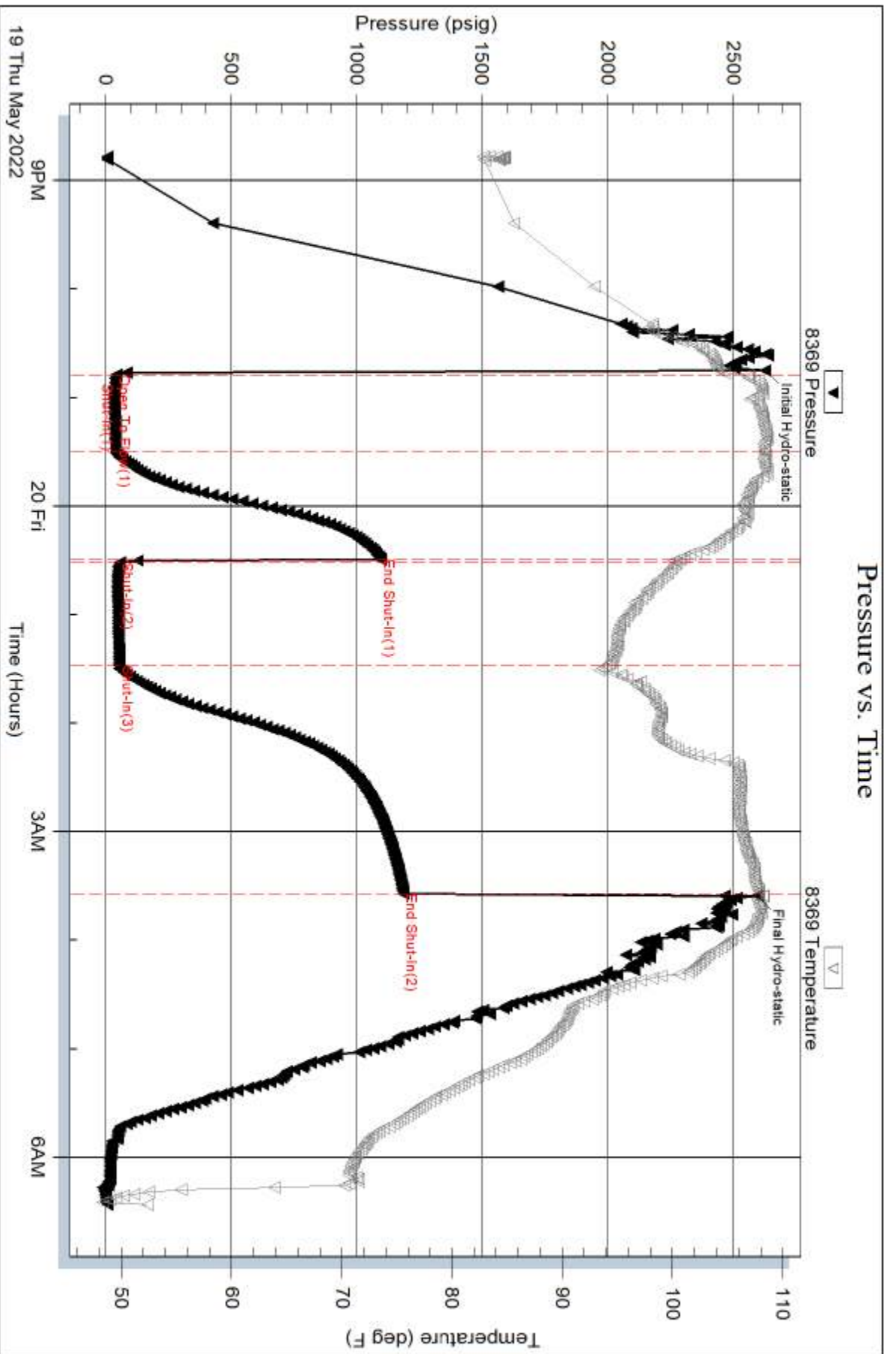
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



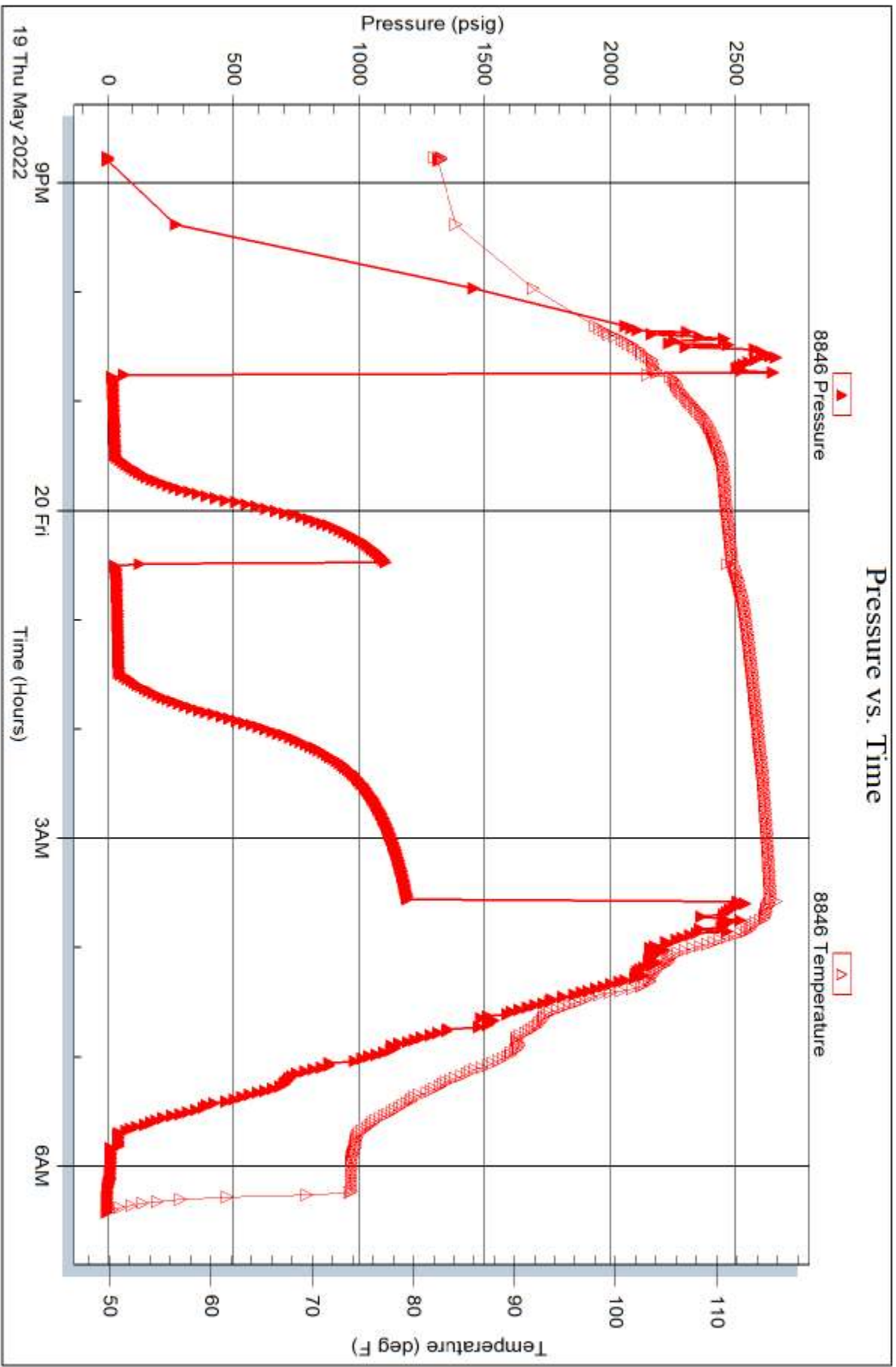
Serial #: 8846

Inside

Vincent Oil Corp.

Perkins 5-3

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68945

Printed: 2022.05.20 @ 07:55:10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68946

DST#: 4

ATTN: Tom Dudgeon

Test Start: 2022.05.20 @ 15:57:20

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:57:30

Time Test Ended: 01:05:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5296.00 ft (KB) To 5312.00 ft (KB) (TVD)

Reference Elevations: 2556.00 ft (KB)

Total Depth: 5312.00 ft (KB) (TVD)

2544.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8369 Outside

Press@RunDepth: 225.75 psig @ 5299.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.20 End Date: 2022.05.21

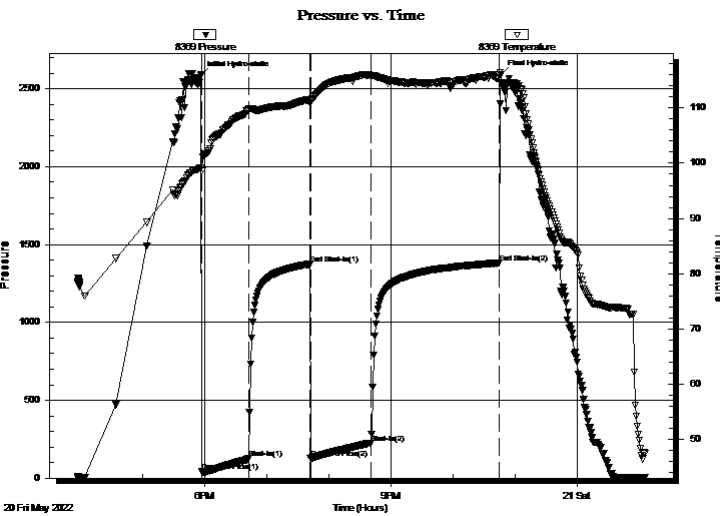
Last Calib.: 1899.12.30

Start Time: 15:57:21 End Time: 01:05:30

Time On Btm: 2022.05.20 @ 17:56:30

Time Off Btm: 2022.05.20 @ 22:46:29

TEST COMMENT: IF:Strong Building Blow built 19.24" (45)
IS:No Blow Back (60)
FF:Strong Building Blow built 16.07" (60)
FS:No Blow Back (120)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2587.46	99.14	Initial Hydro-static
1	44.64	98.63	Open To Flow (1)
46	128.23	109.69	Shut-In(1)
105	1373.48	111.01	End Shut-In(1)
106	127.41	111.23	Open To Flow (2)
164	225.75	115.83	Shut-In(2)
288	1381.51	116.01	End Shut-In(2)
290	2592.84	114.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	W 100%W	4.61
63.00	GMCW 5%G 55%W 40%M	0.92
47.00	V/SOWCM 5%O 40%W 55%M	0.69
0.00	787.5 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vincent Oil Corp.

200 W Douglas Ave.
Wichita, Ks. 67202

ATTN: Tom Dudgeon

3-29S-23W Ford Co

Perkins 5-3

Job Ticket: 68946

DST#: 4

Test Start: 2022.05.20 @ 15:57:20

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:57:30

Time Test Ended: 01:05:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 5296.00 ft (KB) To 5312.00 ft (KB) (TVD)

Reference Elevations: 2556.00 ft (KB)

Total Depth: 5312.00 ft (KB) (TVD)

2544.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8846 Inside

Press@RunDepth: psig @ 5299.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.05.20 End Date: 2022.05.21

Last Calib.: 2022.05.21

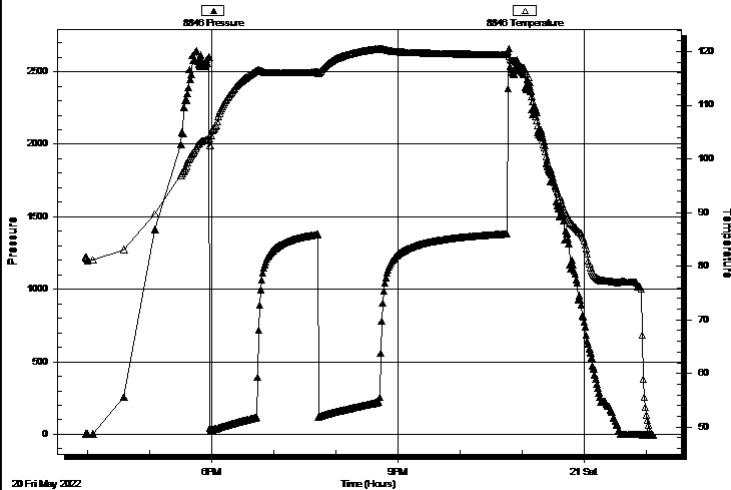
Start Time: 15:57:54 End Time: 01:06:23

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Strong Building Blow built 19.24" (45)
IS:No Blow Back (60)
FF:Strong Building Blow built 16.07" (60)
FS:No Blow Back (120)

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
315.00	W 100%W	4.61
63.00	GMCW 5%G 55%W 40%M	0.92
47.00	V SOWCM 5%O 40%W 55%M	0.69
0.00	787.5 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

Vincent Oil Corp.

3-29S-23W Ford Co

200 W Douglas Ave.
Wichita, Ks. 67202

Perkins 5-3

Job Ticket: 68946

DST#: 4

ATTN: Tom Dudgeon

Test Start: 2022.05.20 @ 15:57:20

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:

20000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9100.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
315.00	W 100%W	4.607
63.00	GMCW 5%G 55%W 40%M	0.921
47.00	VSOWCM 5%O 40%W 55%M	0.687
0.00	787.5 GIP	0.000

Total Length: 425.00 ft

Total Volume: 6.215 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

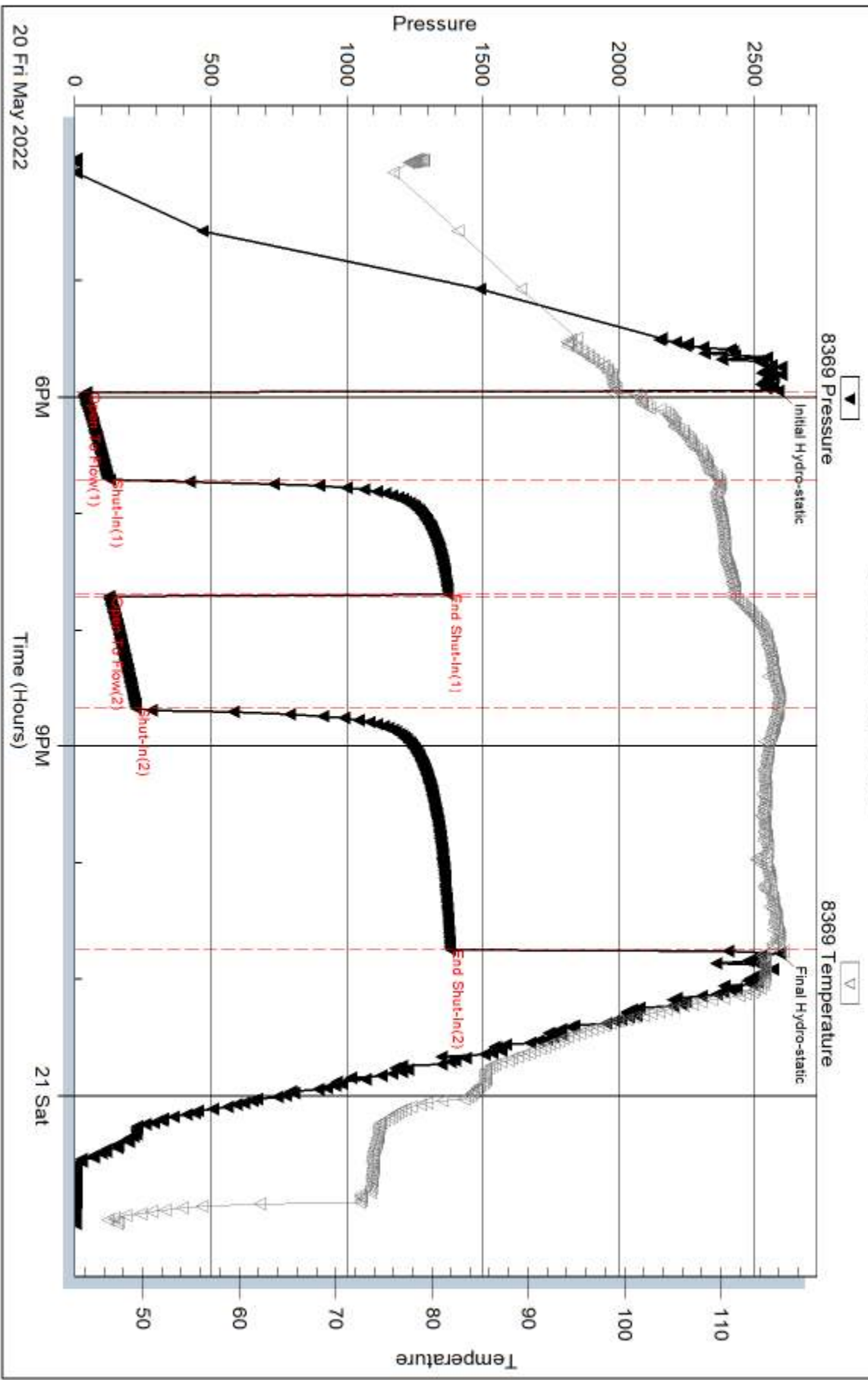
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



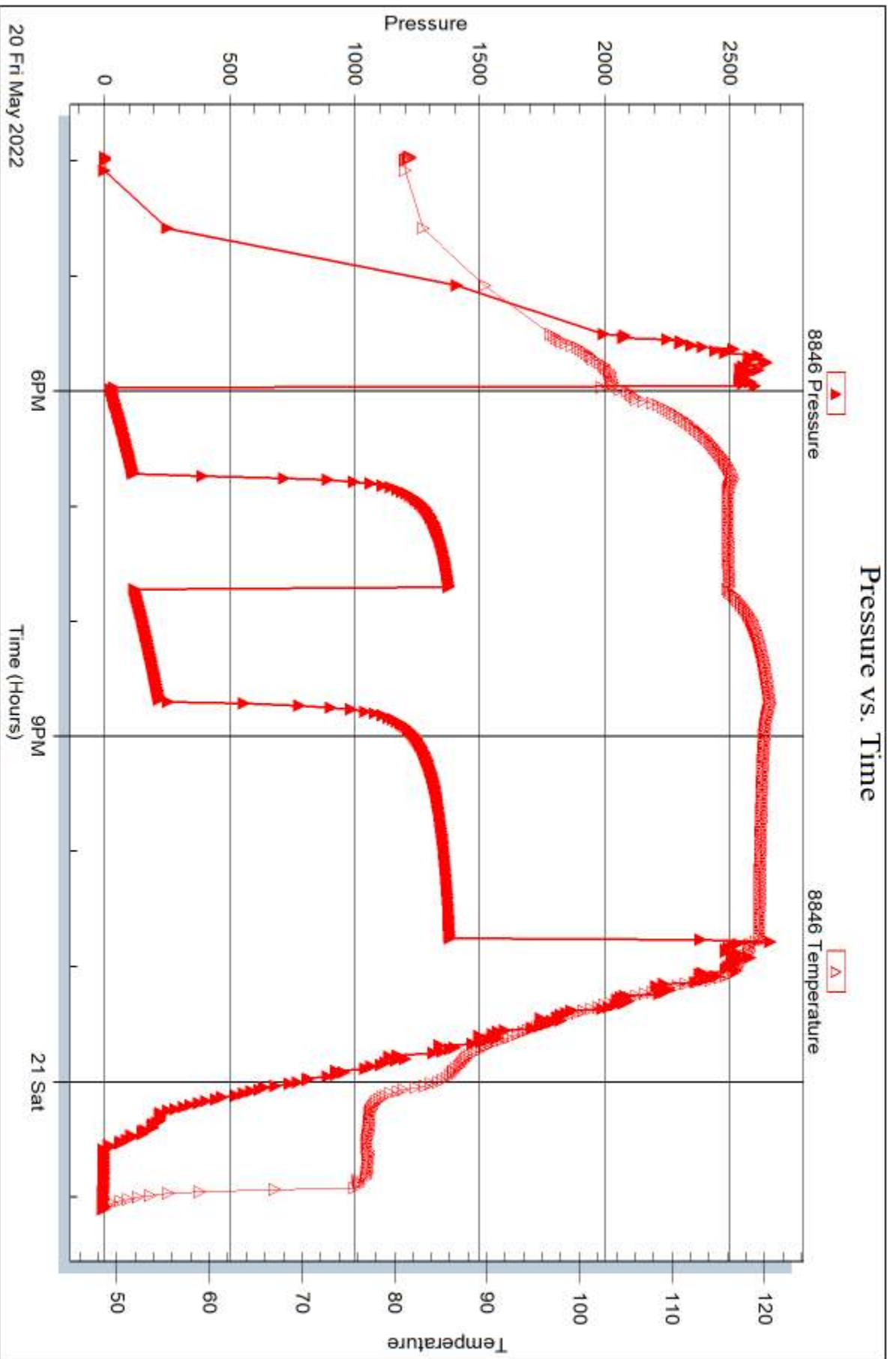
Serial #: 8846

Inside

Vincent Oil Corp.

Perkins 5-3

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 68946

Printed: 2022.05.21 @ 07:56:58



Scale 1:240 Imperial

Well Name: PERKINS 5-3
Surface Location: 1214' FNL 1074' FWL 3-29S-23W
Bottom Location:
API: 15-057-12068-0000
License Number: 5004
Spud Date: 5/10/2022 Time: 11:30 PM
Region: MIDCON
Drilling Completed: 5/21/2022 Time: 12:51 PM
Surface Coordinates:
Bottom Hole Coordinates:
Ground Elevation: 2545.00ft
K.B. Elevation: 2557.00ft
Logged Interval: 4250.00ft To: 5350.00ft
Total Depth: 5350.00ft
Formation: MISSISSIPPIAN
Drilling Fluid Type: CHEMICAL MUD

OPERATOR

Company: VINCENT OIL CORP
Address: 200 W DOUGLAS AVE
STE 725
WICHITA, KS 67202
Contact Geologist:
Contact Phone Nbr: 316.262.3573
Well Name: PERKINS 5-3
Location: 1214' FNL 1074' FWL 3-29S-23W
API: 15-057-12068-0000
Pool: DEVELOPMENT
State: KS
Field: MULBERRY CREEK
Country: USA

CONTRACTOR

Contractor: DUKE DRILLING CO, INC.
Rig #: 1
Rig Type: MUD ROTARY
Spud Date: 5/10/2022 Time: 11:30 PM
TD Date: 5/21/2022 Time: 12:51 PM
Rig Release: 5/22/2022 Time: 3:15 PM

LOGGED BY

Company: VINCENT OIL CORP
Address:
Phone Nbr: 316.262.3573
Logged By: Geologist
Name: TOM DUDGEON

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -99.828017
 Latitude: 37.554068
 N/S Co-ord:
 E/W Co-ord:

ELEVATIONS

K.B. Elevation: 2557.00ft Ground Elevation: 2545.00ft
 K.B. to Ground: 12.00ft

TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	5350.00	5350.00
LTD	5350.00	5350.00

DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
CHEMICAL MUD	5/16/2022	3797.00ft	5350.00ft

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing					
Int Casing					
Prod Casing					

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

OPEN HOLE LOGS

Logging Company: ELI WIRELINE
 Logging Engineer: JEFF LUEBBERS
 Truck #: 8916
 Logging Date: 5/21/2022 Time Spent: 5
 # Logs Run: 4 # Logs Run Successful: 4

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DI	0.00ft	5350.00ft	2.00		1
NDE/NEU/PE	4300.00ft	5350.00ft	2.00		1
MICRO	4300.00ft	5350.00ft	3.00		2
SONIC	0.00ft	5350.00ft	3.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
5/21/2022	0.00ft	5350.00ft	LOGS RUN SUCCESSFULLY

NOTES

1214' FNL & 1074' FWL
 Sec. 3-29S-23W
 Ford County, KS

ELEVATION: 2545 G.L.- 2557 K.B.

	STRAIGHT HOLE SURVEY	
Degree	Depth	
	1°	700
	3/4°	1713
	1°	2818
	1°	5343

REFERENCE WELLS:

1/4° 5350

REFERENCE WELLS:
A
 Vincent Oil Corporation
 Perkins #4-3
 496' FNL & 364' FEL
 3-29-23W

B
 Vincent Oil Corporation
 Perkins #3-3
 358' FNL & 1373' FWL
 3-29S-23W

	SAMPLE TOPS	REF. WELL		ELECTRIC LOG	REF. WELL	
		A	B		A	B
Heebner Shale	4381 (-1824)	-4	-2	4381 (-1824)	-4	-2
Brown Limestone	4524 (-1967)	-9	-6	4522 (-1965)	-7	-4
Lansing / Kansas City	4536 (-1979)	-11	-7	4532 (-1975)	-7	-3
Stark Shale	4864 (-2307)	-9	-4	4861 (-2304)	-6	-1
Hushpuckney Shale	4901 (-2344)	-8	-2	4900 (-2343)	-7	-1
Base Kansas City	4985 (-2428)	-8	-8	4983 (-2426)	-6	-6
Pawnee 5078 (-2521)	-9	-7		5076 (-2519) -7	-5	
Cherokee Shale	5129 (-2572)	-11	-8	5126 (-2569)	-8	-5
Base Penn Limestone	5227 (-2670)	-10	-9	5224 (-2667)	-7	-6
Mississippian	5259 (-2702)	-15	-14	5252 (-2793)	-5	-4
RTD / LTD	5350 (-2793)			5350 (-2793)		

5/10/2022 Moved in Rotary Tools and rigged up. Well spud in at 11:30:00 PM 5/10/2022. Drilled 12.25" surface hole to 675'.

5/11/2022 At 675' making repairs to trash pump, drilled ahead to 700'. CTCH. Ran wiper trip, CTCH, TOOH. Ran 16 joints new 8 5/8", 23## surface casing. Set at 697' and cemented with 150 sx MDC (3% CC & 1/2# Flo-seal/sx) and 150 sx Common (4% Gel, 3% CC & 1/2# Flo-seal/sx). Plug was down at 12:00 AM 5/11/2022. Cement did circulate. WOC Drilled out from under plug at 11:00 PM 5/11/2022.

5/12/2022 At 1241', Drilling ahead

5/13/2022 At 2520' , Drilling ahead, TOOH at 3010' for hole in drill pipe

5/14/2022 At 3166', Drilling ahead, displaced mud system at 3797'

5/15/2022 At 3850', Drilling ahead

5/16/2022 At 4565' Drilling ahead

5/17/2022 At 5025' Drilling ahead

5/18/2022 At 5234', Drilling ahead. At 5242' pump pressure dropping, probable hole in drill pipe, TOOH for repairs. Found 4" split in drill collar. Pipe Strap 3.4' short to the Board. Replaced drill collar and TIH, CTCH. Drilled ahead to 5258', CFS, TOOH, Preparing for DST#1 5208' to 5258' (Basal Penn Limestone & Conglomerate Chert).

DST #1 5208' to 5258' had packer failure. TOOH and reset packers and test interval, TIH with DST #2 5157' to 5258'(Basal Penn Limestone & Conglomerate Chert).

5/19/2022 At 5258' DST #2 5157' to 5258' (Basal Penn Limestone & Conglomerate Chert) in progress..
 DST #2 5157' to 5258' (Basal Penn Limestone & Conglomerate Chert)
 30"-60"-60"-120"
 1st Open Strong Blow
 2nd Open Strong Blow, GTS in 5" Gauged as follows:

Rate	Time	Choke
9.15 MCF	10"	1/8" Choke
9.52 MCF	20"	1/8" Choke
9.92 MCF	30"	1/8" Choke
10.34 MCF	40"	1/8" Choke
10.68 MCF	50"	1/8" Choke
10.96 MCF	60"	1/8" Choke

Recovered: 113' Gas Cut Mud
 IFP: 102 = 95# FFP: 70 - 83#
 ISIP: 506# FSIP: 651#
 BHT 116° F
 Drilled ahead to 5286', preparing for DST#3 5272' to 5286' (Mississippian Dolomite)
 DST #3 5272' to 5286' (Mississippian Dolomite)
 45"-60"-60"-120"
 1st Open Strong Blow
 2nd Open Strong Blow
 Recovered:
 1321' Gas in Pipe
 63' Gassy Oily Watery Cut Mud (5% Gas, 20% Oil, 20% Water & 55% Mud)
 IFP: 42 = 40# FFP: 56 - 54#
 ISIP: 1096# FSIP: 1135#
 BHT 108° F

5/20/2022 At 5286' Preparing to Trip back in hole and drill ahead following DST#3.
 Drilled ahead to 5312' and circulated for samples, Preparing for DST #4 5296' to 5312' (Mississippian Dolomite),
 Test in Progress
 DST #4 5296' to 5312' (Mississippian Dolomite)
 45"-60"-60"-120"
 1st Open Strong Blow in 19"

2nd Open Strong Blow in 16"

Recovered:
 787' Gas in Pipe
 47' Very Slightly Oily Watery Cut Mud (5% Oil, 40% Water & 55% Mud)
 63' Gassy Mud Cut Water (5% Gas, 55% Water & 40% Mud)
 315' Water
 IFP: 44 = 128# FFP: 127 - 225#
 ISIP: 1373# FSIP: 1381#
 BHT 114° F

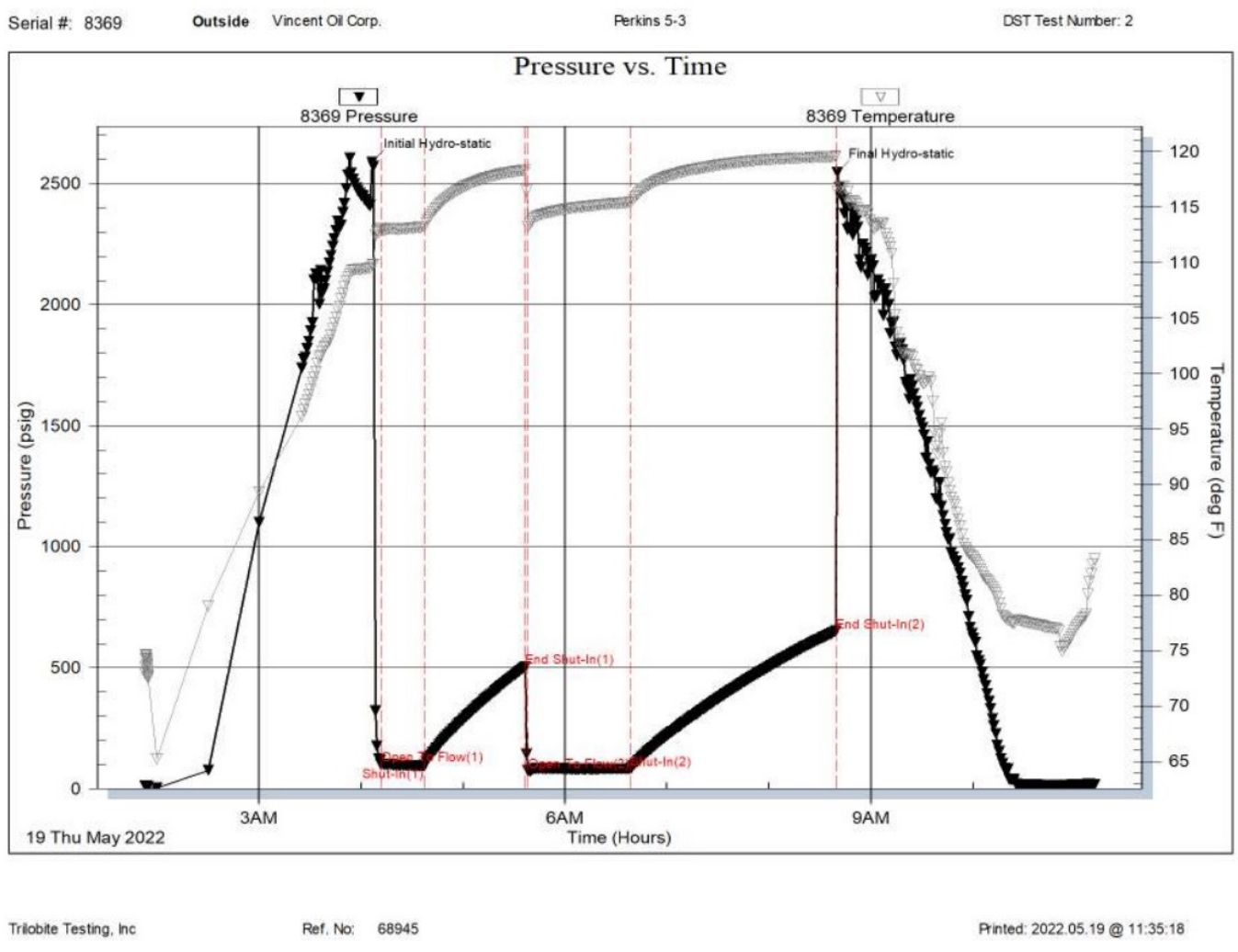
5/21/2022

Recovered Water 20000 PPM Cl_d; Mud System 9,100 PPM
 At 5312'. Following recovery of DST#4 TIH with bit, Shut down for repairs to mud pump, CTCH, Working on Mud pump, CTCH, Drilled ahead to 5350' at RTD. WO Mud Pump, CFS at 5350', CTCH, TOOH for logs at 3:30 PM 5/21/2022. Ran e-logs (DIL, Density-Neutron, Micro-log & Sonic), Found LTD at 5350'. Logging completed at 11:00 PM 5/21/2022, Orders given to run production casing, TIH with bit,

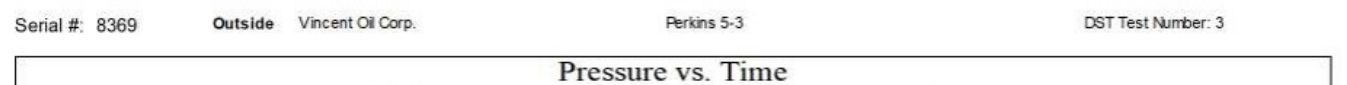
5/22/2022

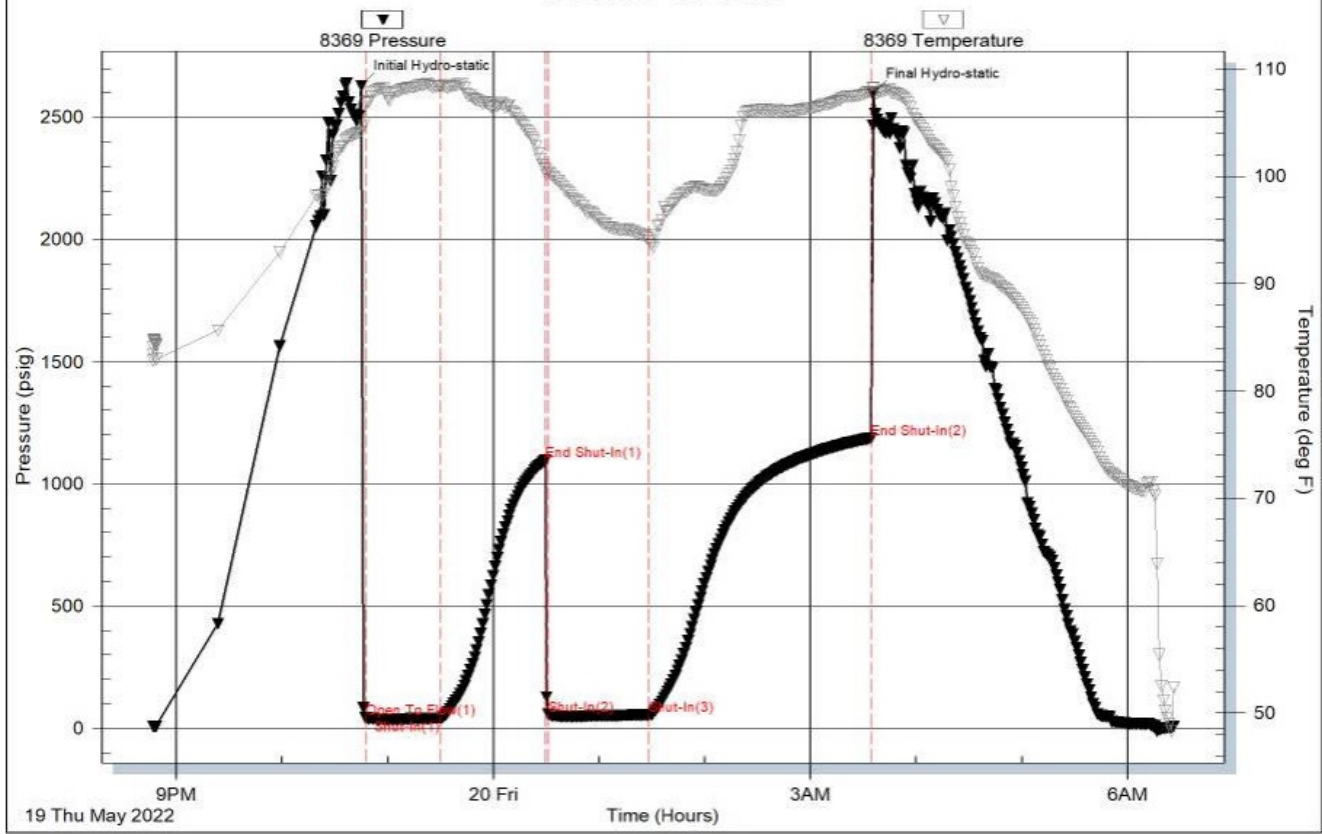
At 5350' CTCH, TOOH. LDDP, broke down Kelly and swivel, nipped down BOP, TOOH with DC, Rigged up cementers, Ran 127 joints of new 4.5", 11.6# production casing with a 21' Shoe joint. Set casing at 5349' and cemented with 175 sx Pro-C cement. The rathole was plugged with 30 sx and the mouse hole was plugged with 20 sx. The plug was down at 1:15 PM 5/22/2022. The casing slips were set and the pits were cleared. The rig was released at 3:15 PM 5/22/2022.

DST #2



DST #3





Trilobite Testing, Inc

Ref. No: 68945

Printed: 2022.05.20 @ 06:56:29

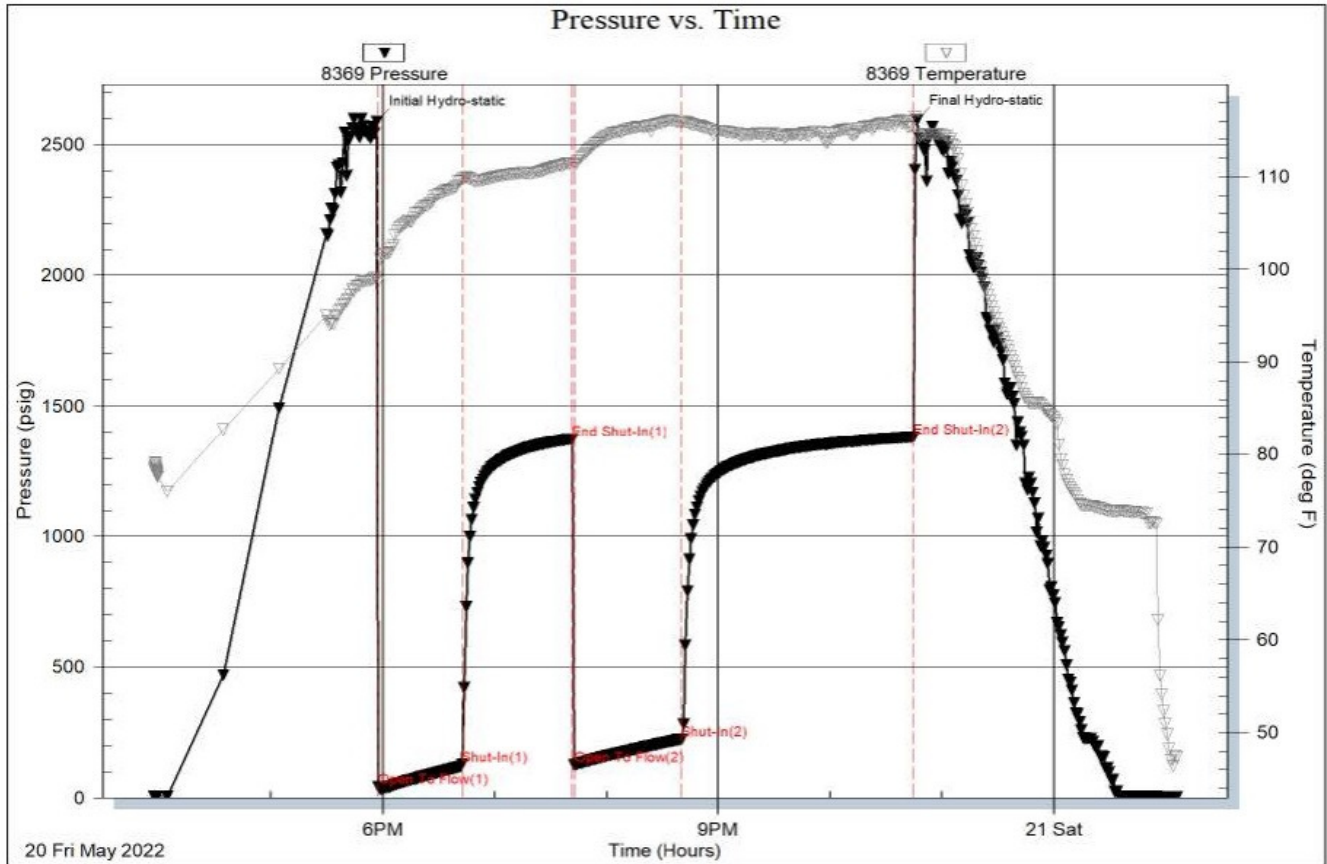
DST #4

Serial #: 8369

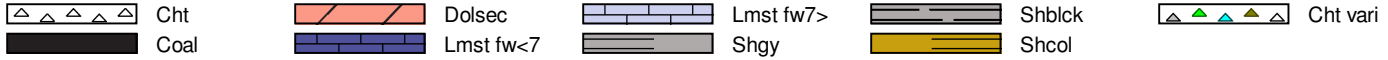
Outside Vincent Oil Corp.

Perkins 5-3

DST Test Number: 4



ROCK TYPES



ACCESSORIES

MINERAL

- Argillaceous
- ⊥ Calcareous
- Carbonaceous Flakes
- ▲ Chert, dark
- ⊗ Chert Pebble, white
- ∠ Dolomitic
- ∩ Glauconite
- Heavy, dark minerals
- P Pyrite
- Sandy
- Silty
- ∕ Euhed rhombs of dol or c
- △ Chert White

FOSSIL

- ∩ Bioclastic or Fragmental
- Crinoids
- ⌘ Foraminifera
- F Fossils < 20%
- ϕ Oolite

TEXTURE

- C Chalky
- e Earthy
- FX Finexln
- MX Microxln

OTHER SYMBOLS

POROSITY TYPE

- x Intercrystalline
- ϕ Interoolitic
- V Vuggy
- P Pinpoint
- ∕ Moldic
- O Organic
- F Fracture
- e Earthy
- Fenestral

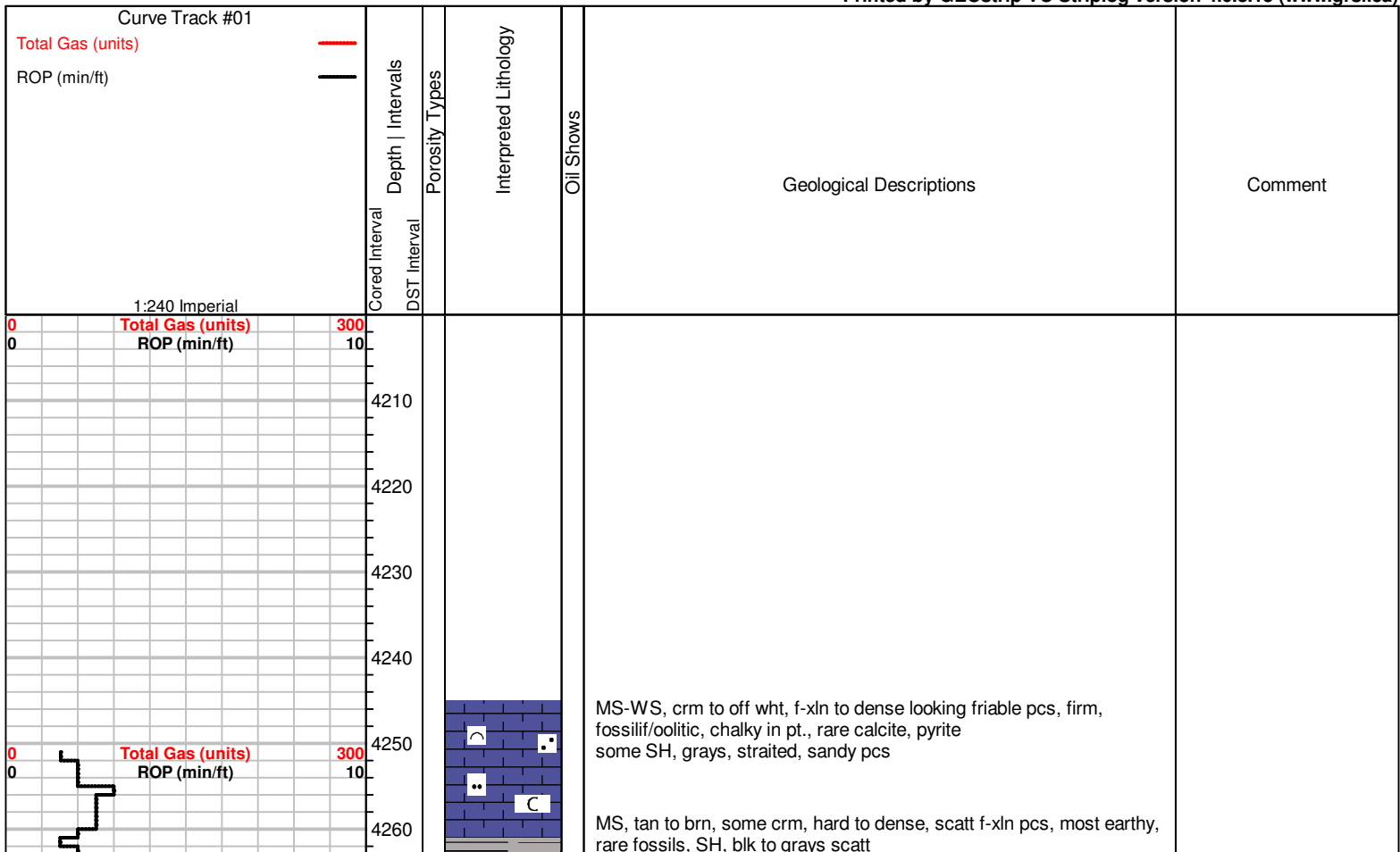
OIL SHOWS

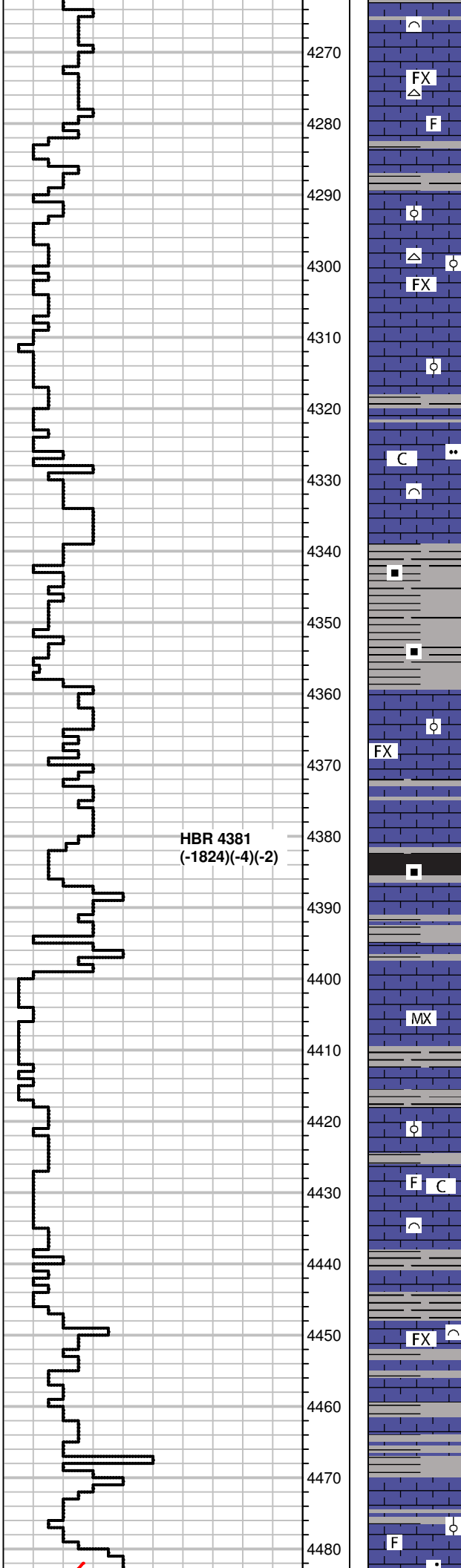
- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

INTERVALS

- Core
- DST

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





some SH, gray, greenish grays
MS, crm to tan, f-xln to chalky, some fossils, Chert, wht, weathered pcs, fossilif

SH, brn to grays, limey pcs
MS-WS, tan to crm, chalky to earthy, dense, fossils scatt, Chert, wht

MS-WS, crm to tan, f-xln, hard to firm, scatt fossils, NS

MS-WS, crm to off wht, m-xln, firm, fossils, some w/ chalky mtrx, SH, grays

MS-WS, A.A., crm, inc in tan pcs, lt. tan, chalky tp f-xln, some gray/brn gritty pcs, fossilif., dense, NS

influx SH, gray to blk, carb, gassy,

MS, brn to gray, f-xln, SH, blk to grays, gassy pcs(carrying some)

SH, blk, gassy, carb, some grays,
MS, crm to tan, f-xln, hard, some fossils, NS

SH, blk, grays, gassy
WS-MS, crm to lt. tan, f-xln, hard, cherty pcs, dense, fossilif., NS

MS-WS, crm to tan, hard, dense

SH, gray to blk, silty to sandy
MS-WS, crm to tan, gray, fossilif, gritty, dense, some mic-xln, hard

MS-WS, off white to crm, some pcs gray, f-xln to chalky, friable/soft, fossils scatt, Chert, wht, some fossilif.

WS-PS, crm to gray, f-xln, hard, fn to m-gr oolitic, ringed ooids in tite calc mtrx, chalky pcs, some Chert, wht, SH, grays, chalky

SH, grays

MS, crm to tan, f-xln to chalky, scatt fossils, NS
SH, grays, gritty to silty, some pcs oolitic

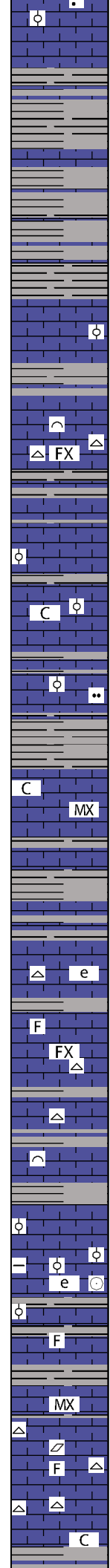
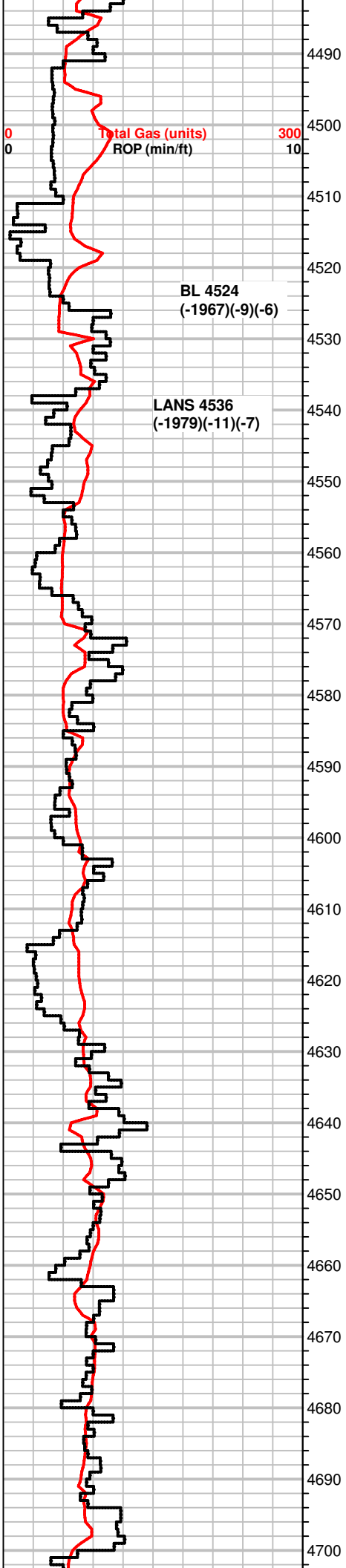
Gas unit issues, not data import until 4382
BG Gas 120 units 4250-4340

280 units

220 units

120 units

BG 120 Units



MS, crm to off wht, tan, m-xln, gritty/sandy, firm to friable, NS

SH, grays, brn

influx, SH, dk. gray to lt. grays, striated pcs, rare blk
MS, crm, f-xln to earthy, dense, calc.

MS, brn to crm, f-xln, dense, gritty, some pcs chalky, scatt fossils,
SH, greenish grays

MS, crm to tan, f-xln, off wht, f-xln, earthy pcs, hard, gritty to fossilif.,
Chert, wht
Scatt SH, gray to blk

MS, cro to off wht, f-xln, chalky, some firm, NS

MS-WS, gray to cm, f-xln, hard, gritty pcs, dense, some silty, massive
brn pcs, hard, NS
rare SH, blk to grays

MS, crm to tan, grays, f-xln, massive to earthy txt, hard/dense pcs,
some chalky, friable, fossils, NS
SH, blk to green

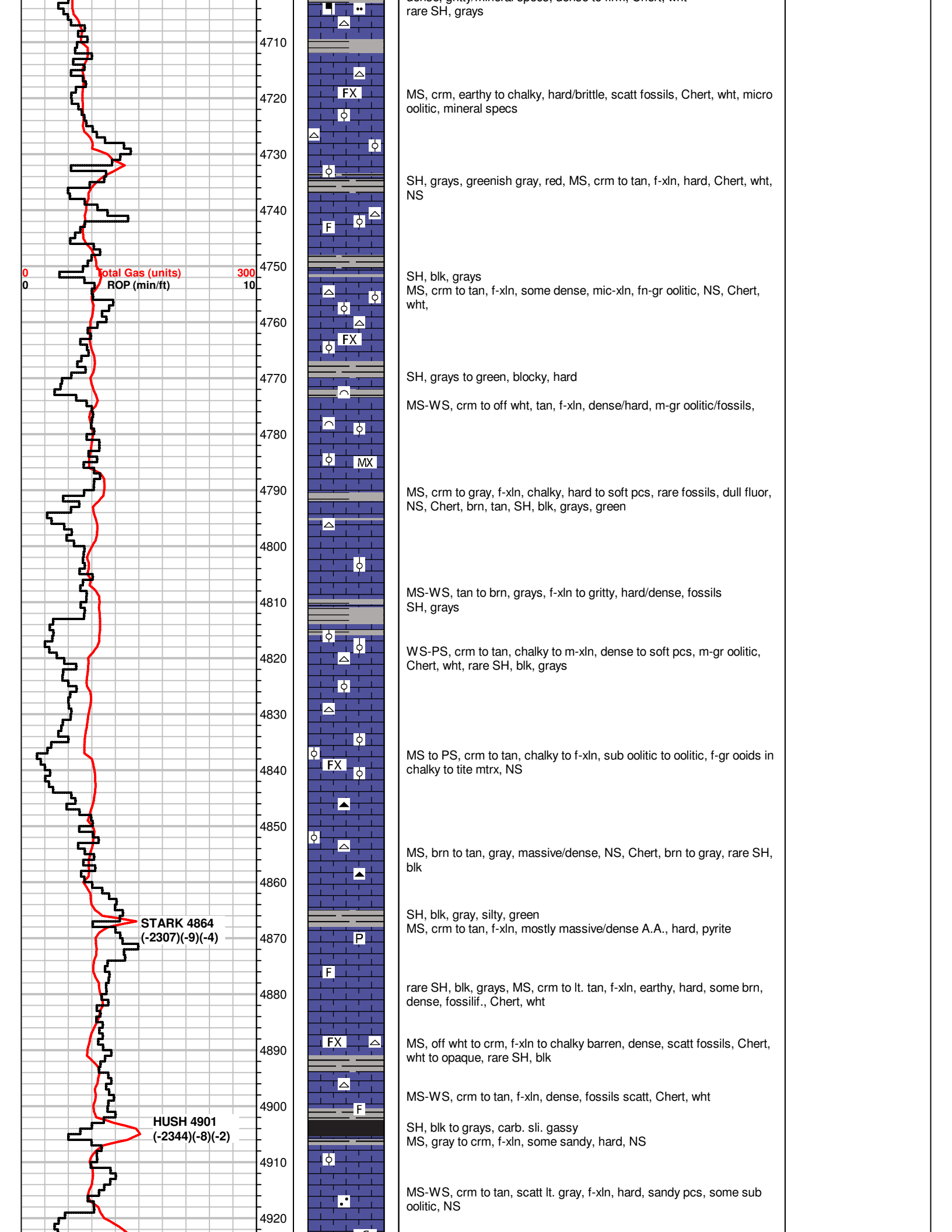
SH, gray to greenish gray, silty in pt., hard
MS, crm to lt. tan, some gray, f-xln, gritty pcs, earthy in pt., some
chalky, hard, rare fossils, Chert, wht, scatt tan pcs

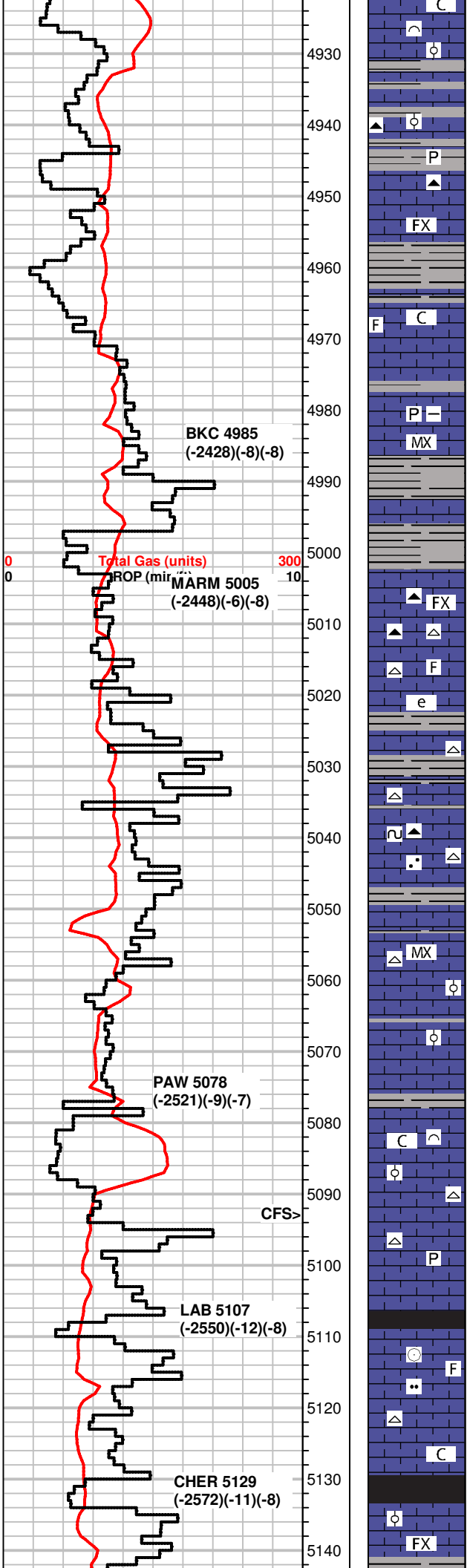
MS, gray to tan, brn, f-xln to m-xln, shaly to waxy looking, firm, silty
pcs, scatt fossils, Chert, wht
SH, lt gray to grays, silty to limey

MS-WS, brn to crm/grays, scatt shaly in pt., earthy, dense, to friable,
fossilif., crinoid stems, some pcs oolitic, scatt SH, blk to gray

WS-MS, crm to brn, f-xl, fossilif/gritty pcs, some tan, massive/dense,
fossils, Chert, wht, wthrd pcs, rare calcite rhombs, scatt SH, grays,

WS-MS, crm to gray, some tan, m-xln, chalky, oolitic/fossilif., some
dense, gritty/mineral specs, dense to firm, Chert, wht





C
MS, crm to off wht, tan, chalky to earthy, firm, some pcs soft, chalky, NS, scatt SH, blk to grays, some silty

4930
SH, influx gray to blk, green, sandy to silty
WS-PS, gray to crm, m-xlnk, hard, fossilif., NS

4940
P
SH, blk to grays, striated pyrite, WS-PS, gray to brn, m-xln, fossilif/oolitic, shaly in pt, Chert, wht, tan, blk, fossils

4950
FX
SH, red, to green, grays, WS-PS, gray to crm, brn, m-xln to chalky, hard, fossilif, rare barren/earthy pcs, NS

4960
MS-WS, crm to tan, gray, chalky to f-xln, fossilif, firm to hard, some SH, grays, red

4970
F C
MS-WS, brn to grays, hard, fossils scatt, shaly, SH, green to gray, pyrite

4980
P
SH, blk, grays, silty
MS-WS, gray to crm, hard, shaly, some pcs chalky,

4990
MX
SH, blk to gray, brn, silty
MS-rare WS, crm to gray, brn, some m-xln, fossils rare, most hard, some friable chalky pcs, NS

5000
FX
SH, grays, silty, MS, crm to gray, f-xln, friable, some chalky, scatt fossils, rare Chert, wht, blk, NS

5010
F
MS-WS, off wht to crm, tan, massive to earthy txt, dense to firm, Chert, wht, some SH, grays, brn

5020
e
SH, blk, grays, pyrite, MS-WS, crm to tan, f-xln to mic-xln/massive txt, hard, fossilif pcs, Chert, wht, micro oolitic, dull fluor, NS

5030
MS, tan to brn, massive to f-xln, dense, scatt fossils, glauc, SH, grays, silty to sandy, Chert, brn, wht

5040
MS-WS, crm to tan, f-xln, brittle, rare fossils, chalky in pt., Chert, tan, wht, some SH, gray, to green, red

5050
MX
MS, tan to crm, mic-xln/massive, brittle, sub oolitic pcs rare, barren, fresh SH, grays, striated pcs, Chert, tan

5060
O
WS-MS, crm to off wht, f-xln to massive, some chalky pcs, fossils, dense to brittle, rare bright fluor, 1 pc w/ resid ring cut, faint to fair odor

5070
SH, blk, gray, green

5080
C
MS-WS, crm to tan, f-xln to chalky pcs, hard to firm, fossils/bioclastic pcs scatt, Chert, wht, dull fluor, fair to good odor, dull fluor, no cut, no str

5090
P
MS, crm to tan, massive to f-xln, dense, hard, rare fossils, Chert, wht, pyrite, NS

5100
SH, blk to grays, silty, carb, sli. gassy

5110
F
MS, crm to off wht, lt. gray, chalky to f-xln, dense to brittle, fossil scatt, crinoid stems, calcite, NS

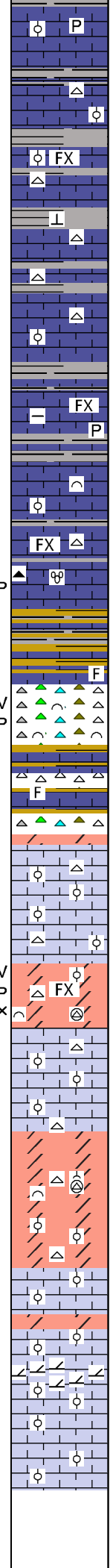
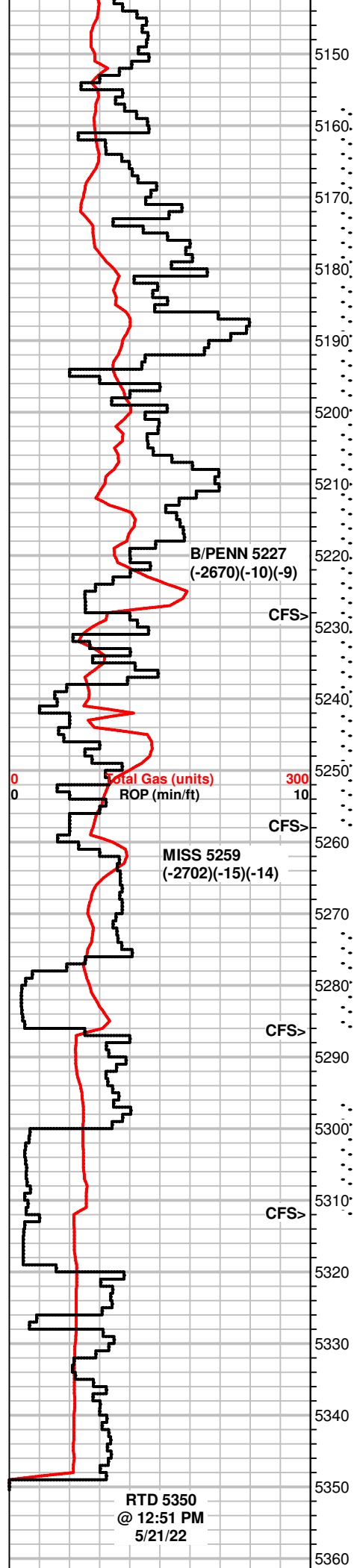
5120
C
MS, crm to tan, f-xln, hard, rare chalky pcs, some gritty, rare fossils, Chert, wht

5130
SH, blk, carb, some pcs gassy

5140
FX
MS, crm to off wht, chalky in pt., f-xln to dense, brittle, fossils scatt (crinoid stems), clacite, NS

scatt SH, blk, gassy, MS-WS, crm to lt. tan, massive to sub oolitic.

+60 UGK, +40 UGK
recycle



hard, dense, some fossils, pyrite, NS

MS, crm to brn, f-xln to massive, hard, suboolitic to fossilif, Chert, wht

MS-WS, crm to tan, f-xln, chalky in pt., oolitic/fossilif, hard, SH, gray to green, scatt blk gassy pcs

MS-WS, A.A., lesser SH, limey pcs, inc in chalky MS, off wht, rare Chert, wht

SH, gray to blk, silty to striated, MS, brn to tan, f-xln to earthy, hard, rare fossils, shaly, Chert, wht

SH, blk, green, gray, carb, silty pcs, MS-WS, crm to brn, chalky to earthy, some waxy, hard, fossilif, oolitic, calcite

WS-MS, crm to brn, f-xln to dense/hard, fossilif pcs, some shaly, calcite, SH, blk to gray, pyrite

MS, crm to brn, f-xln, dense/hard, sub oolitic, some pcs chalky/soft, dull fluor, NS, SH, blk, gray, silty

SH, blk, gray, green, silty to striated pcs, MS, crm to lt. gray, brn, f-xln, rare chalky pcs, hard, fossils, Chert, brn, wht, dull fluor, NS

MS, crm to brn, f-xln, fossils, soft/brittle, scatt bri fluor, rare stn wet, 2 pcs slow milky cut, fair to good odor, spty stn dry, no vis por., Chert, brn, SH, grays to sea green

SH, vari-colored, blk to green, yellow, grays, maroon, sandy pcs, hard, some MS-WS, brn to crm, f-xln, dense, fossils scatt Chert, wht to vari-colored, fossils, partial stn wet, ins. strmg cut few pcs, no odor

Chert, vari-colored, good odor in bag, bleeding oil and gas, good to partial stn wet, inst. cut, PP to vuggy Por., some SS clusters, gray, f-gr well stred, hard, NS

Chert, vari-colored, bleeding oil and gas, inst cut, good odor, MS-WS, tan to brn, f-xln, hard, fossils scatt, SS clusters scatt A.A, SH, blk to vari-colored

Dolo, lt. gray to crm, f-xln to f-gr sucrosic, hard, Cherty pcs scatt, no odor, bright fluor, rare stn wet, inst strmg cut

WS-PS, off wht to chalky to f-xln, hard to brittle, oolitic, Chert, wht, some frgmts within the PS matrix, dull fluor, NS

Dolo, brn to crm, fn to md-xln, gritty txt to f-gr oolitic/sub oolitic, chert frgmts, firm to brittle, fair odor in bag, bleeding gas and oil, live oil in tray, oil drops in pore spaces, partial to even stn dry, good vuggy to PP & int-xln por.

PS-WS, off wht to crm, massive/dense to chalky mtrx, soft to hard pcs, fn to md-gr oolitic, NS, Chert, wht

Dolo, crm to lt. gray, f to m-xln, sugary/sucrosic txt, firm to hard pcs, rare fossils/chert fn-gr Chert frgmts, good odor in bag, scatt partial stn wet, live oil drops when broken, ring cut to inst cut.

Dolo, brn to crm, m to co-xln, firm, very Cherty/fossilif, some partially oolitic, friable, good odor, rare bleeing oil and gas, inst. cut, scatt bright fluor

PS-WS, off wht to crm, fxln, hard, oolitic, chalky in pt., NS

scatt Dolo, crm to brn, f-xln to m-xln, sucrosic, mineral fluor, fair odor, dead stn

PS-WS, wht to crm, dolomitic pcs, chalky pcs scatt, oolitic, m-gr, hard to firm, dull fluor, NS

PS-WS, wht, some crm, rare chalky pcs, f-xln to mic-xln, hard to firm, m-gr oolitic, Chert, wht, dull fluor, NS

DST #2 5157-5208
30-60-60-120
SB BOB immed
No Blow Back
SB Immed GTS 5"
Ga 1/8 In choke
9.15 MCFG/10min
9.521 MCFG/20min
9.921 MCFG/30min
10.34 MCFG/40min
10.68 MCFG/50min
10.961 MCFG/60min
.3 inch Blow Back
Rec: 113' GCM
IH 2588#
IF 102-95#
ISIP 506#
FF 76-83#
FSIP 651#
FH 2546#
Temp 116°F

+58 UGK, w/ 38 UGK recycle

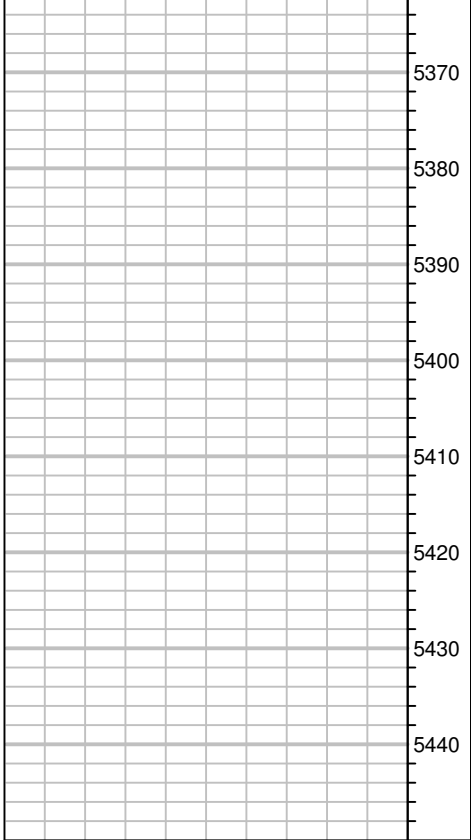
**Hole in Drill Collar, down 5 hrs
Pipe Strap 3.43' Short**

+60 UGK. +10 UGK recycle

+25 UGK, waiting on recycle

DST #3 5272-5286
45-60-60-120
SB, blt to 27"
NBB
SB blt to 46.25"
NBB
1321' GIP
Rec:
63' GOWCM
(5g,20o,20w,55m)
IH 2629#
IF 42-40#
ISIP 1096#
FF 46-54#
FSIP 1186#
FH 1598#
Temp 108°F
API Rw .46 @ 44°F
CI 27,000ppm

DST #4 5296-5312
45-60-60-120
SB blt to 19.24"
NBB
SB blt to 16.07"



NBB
787' GIP
Rec: 47' VSOWCM
(50,40w,55m)
63' GMCW
(5g,55w,40m)
315' W
IH 2587#
IF 45-1258#
ISIP 1373#
FF 127-226#
FSIP 1382#
FH 2593#
Temp N/A
API Rw .5 @ 46°F
Cl 20,000 ppm