

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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Form	ACO1 - Well Completion
Operator	AGV Corp.
Well Name	ERDWIEN 2-A
Doc ID	1573490

Tops

Name	Top	Datum
Heebner	1848	-474
Lansing	2194	-820
Kansas City	2401	-1027
Base / KC	2562	-1188
Mississippi	2852	-1478
Miss. Osage	2862	-1488
Kinderhook	3112	-1738
Hunton	3163	-1789
Viola	3196	-1822
Simpson Shale	3240	-1866
Arbuckle	3304	-1930
LTD	3371	-1997

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report

Ticket No. **5559**
 Foreman David Gardner
 Camp Eureka

API # 15-173-21072

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
5-4-21	1358	Erdwien #2-A	11	26 S.	2 E.	Sedgwick	KS
Customer			Safety Meeting	Unit #	Driver	Unit #	Driver
AGV Corporation			DG	105	Jason		
Mailing Address			JH	112	Alan M.		
123 N. Main			AM				
City	State	Zip Code					
Attica	KS	67009					

Job Type Surface Hole Depth 224' K.B. Slurry Vol. 35 Bbl Total Tubing _____
 Casing Depth 208.28' Hole Size 12 1/4" Slurry Wt. 15" Drill Pipe _____
 Casing Size & Wt. 8 5/8" 23.60* Cement Left in Casing 15' +/- Water Gal/SK 6.5 Other _____
 Displacement 13 1/4 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting. Rig started losing fluid returns while drilling @ Approximately 90'. Got good circulation back. Put a cement Basket on top of Joint #3 = 85' below ground level. Rig broke circulation w/ mud pump + pumped 10 minutes. Rig up to 8 5/8" casing. Break circulation w/ 5 Bbl fresh water. Mixed 130 sks Class A' Cement w/ 3% Cacl2, 2% Gel, 1/4" Floseal/sk @ 15#/gal, yield 1.35 = 31 Bbl Slurry. Good circulation. Displace w/ 13 1/4 Bbl fresh water. Shut down. Close casing in. Poor circulation @ end of displacement. Good cement returns to surface = 1 Bbl slurry to pit. Cement in annulus fell back. Wait 1 HR. Cement in annulus @ approximately 15' below ground level. Mix + pump cement down annulus until cement returns to surface + stays full = 15 sks cement. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	890.00	890.00
C107	40	Mileage	4.20	168.00
C200	145 SKS	Class A' Cement	15.75	2283.75
C205	410 #	Cacl2 3%	.63	258.30
C206	270 #	Gel 2%	.21	56.70
C209	35 #	Floseal 1/4"/sk	2.35	82.25
C108B	6.81 Tons	Ton Mileage - Bulk Truck	1.40	381.36
C606	1	8 5/8" Cement Basket	323.00	323.00
<u>Thank You</u>				
			Sub Total	4,443.36
			Less 5%	233.43
			7.5% Sales Tax	225.30
Authorization by <u>Judd Gulick</u> Title <u>Tool Pusher</u>			Total	<u>4,435.23</u>

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report

Ticket No. **5562**
 Foreman David Gardner
 Camp Eureka

API# 15-173-21072

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
5-12-21	1358	Erdwien # 2-A	11	26 S.	2 E.	Sedgwick	KS
Customer			Unit #	Driver	Unit #	Driver	
AGV Corporation			105	Jason			
Mailing Address			113	Josh			
123 N. Main							
City	State	Zip Code					
Attica	KS	67009					

Job Type P.T.A. New Well Hole Depth 3373' K.B. Slurry Vol. 34 Bbl Total Tubing _____
 Casing Depth _____ Hole Size 7 7/8" Slurry Wt. 14" Drill Pipe 4 1/2" 16.60"
 Casing Size & Wt. _____ Cement Left in Casing _____ Water Gal/SK 7.0 Other _____
 Displacement _____ Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting. Rig up to 4 1/2" 16.60" Drill pipe. Plug well as follows:

35 SKS @ 3300' - Displace w/ mud + mud pump.
35 SKS @ 252'
20 SKS @ 60' to Surface
25 SKS Rat Hole
20 SKS Mouse Hole
135 SKS Total

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C103	1	Pump Charge	1100.00	1100.00
C107	40	Mileage	4.20	168.00
C203	135 sks	60/40 Pozmix Cement	14.75	1991.25
C206	465 [#]	Gel 4%	.30	139.50
C108A	5.80 Tons	Ton Mileage - Bulk Truck	m/c	365.00
<u>Thank You</u>				
			<u>Sub Total</u>	<u>3163.15</u>
			<u>Less 5%</u>	<u>158.16</u>
			<u>7.5% Sales Tax</u>	<u>159.81</u>

Authorization by Judd Gulick Title Tool Pusher Total 3121.38

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

PLOTTED GEOLOGICAL LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial

Well Name: Erdwien #2-A
Location: Section 11-T26S-R2E
Licence Number: API # 15-173-21072
Spud Date: 5/4/2021
Surface Coordinates: 607' FSL & 1094' FWL

Region: Sedgwick County
Drilling Completed: 5/12/2021

Bottom Hole
Coordinates:
Ground Elevation (ft): 1365' K.B. Elevation (ft): 1374'
Logged Interval (ft): 2200' To: 3373 Total Depth (ft): 3373
Formation: Arbuckle
Type of Drilling Fluid: Chemical Mud by Fud Mud

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: AGV Corp
Address: P.O. Box 377
Attica, KS 67009

GEOLOGIST

Name: Kent Roberts
Company: Roberts Resources, Inc.
Address: P.O. Box 75187
Wichita, KS 67275
Phone 316-215-1683

INFORMATION

DRILLING CONTRACTOR: C&G Drilling Rig #2
MUD TYPE: Chemical by Fud Mud
DRILLING TIME KEPT FROM: 350' to RTD
SAMPLES SAVED FROM: 2200' to RTD
SAMPLES EXAMINED FROM: 2200' to RTD
GEOLOGICAL SUPERVISION FROM: 2400' to RTD
ELECTRICAL SURVEYS: Neutron - Density, Dual Induction & Micro by ELI

CASING DATA

CONDUCTOR CASING: None
SURFACE CASING: 8-5/8" x 24# Set @ 220' w/ 145 Sacks
PRODUCTION : None

<i>Tops</i>	<i>Sample</i>		<i>E- Log</i>			<i>Erdwien #1-A</i>	<i>Stollei #1</i>
<i>Heebner</i>	1850	-476	1848	-474		No Data	No Data
<i>Lansing</i>	2211	-837	2194	-820		No Data	No Data
<i>Kansas City</i>	2405	-1031	2401	-1027		-1025	No Data
<i>Base / KC</i>	2565	-1191	2562	-1188		-1188	No Data
<i>Mississippi Top</i>	2856	-1482	2852	-1478		-1481	-1479
<i>Mississippi Chert</i>	2865	-1491	2862	-1488		-1486	-1483
<i>Kinderhook Shale</i>	3114	-1740	3112	-1738		-1738	-1738
<i>Hunton</i>	3166	-1792	3163	-1789		-1788	-1788
<i>Viola</i>	3196	-1822	3196	-1822		-1820	-1818
<i>Simpson Shale</i>	3243	-1869	3240	-1866		-1866	-1873
<i>Arbuckle</i>	3308	-1934	3304	-1930		-1932	-1923
<i>Total Depth</i>	3373	-1999	3371	-1997		-1990	-2004

COMMENTS

After review of all drilling data, dst and electric log measurements it was recommended to plug and abandon the Erdwien #2-A as a dry hole.



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67226 DST#: 1
Test Start: 2021.05.08 @ 17:40:45

GENERAL INFORMATION:

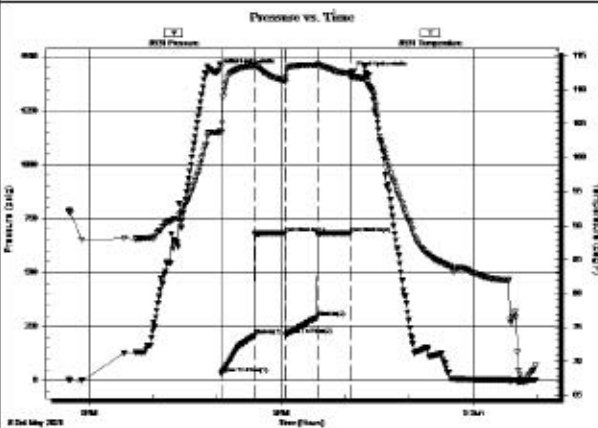
Formation: **Miss Chert**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:04:00
Time Test Ended: 00:58:45
Interval: **2860.00 ft (KB) To 2869.00 ft (KB) (TVD)**
Total Depth: **2869.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** -hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 68
Reference Elevations: 1374.00 ft (KB)
1365.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8931

Inside

Press@RunDepth: 291.56 psig @ 2861.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.05.08 End Date: 2021.05.09 Last Calib.: 2021.05.09
Start Time: 17:40:50 End Time: 00:58:44 Time On Btm: 2021.05.08 @ 20:01:45
Time Off Btm: 2021.05.08 @ 22:05:45

TEST COMMENT: F: Strong Blow . B.O.B. in 11 mins. Built to 25.67". (30)
ISt Weak Blow . Built to 1/8". (30)
FF: Strong Blow . B.O.B. in 13 mins. Built to 16.47". (30)
FSt Weak Blow . Built to 1/4".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1437.04	103.63	Initial Hydro-static
3	29.14	103.63	Open To Flow (1)
34	205.57	113.52	Shut-In(1)
62	681.88	111.28	End Shut-In(1)
63	210.28	111.11	Open To Flow (2)
92	291.56	113.69	Shut-In(2)
124	681.85	112.26	End Shut-In(2)
124	1425.27	112.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GMCW 2%g 5% m 93%w	0.30
545.00	OSW 100%w	5.42
1.00	GMCO 5%g 5% m 90%o	0.01
0.00	57' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

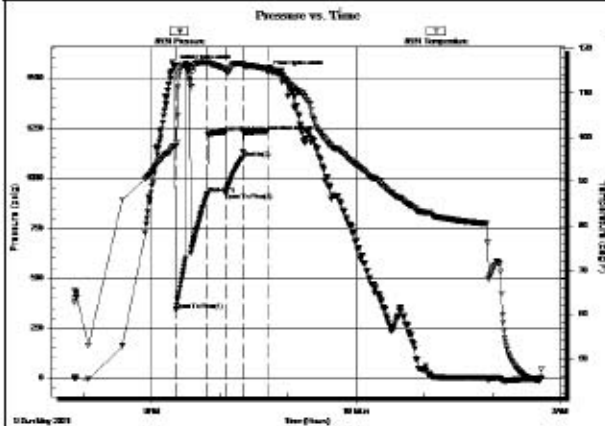
11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67227 **DST#: 2**
Test Start: 2021.05.09 @ 19:51:25

GENERAL INFORMATION:

Formation: **Hunton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:21:10
Time Test Ended: 02:43:40
Interval: **3109.00 ft (KB) To 3169.00 ft (KB) (TVD)**
Total Depth: **3169.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** -Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: **Matt Smith**
Unit No: **68**
Reference Elevations: **1374.00 ft (KB)**
1365.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 8931 Inside
Press@RunDepth: **1100.85 psig @ 3110.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2021.05.09** End Date: **2021.05.10** Last Calib.: **2021.05.10**
Start Time: **19:51:30** End Time: **02:43:39** Time On Btm: **2021.05.09 @ 21:20:25**
Time Off Btm: **2021.05.09 @ 22:42:10**

TEST COMMENT: F: Strong Blow . B.O.B. in 15 secs. Built to 262.79".
IS: No Blow.
FF: Strong Blow . B.O.B. in 45 secs. Built to 131.52".
FSt: No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.45	98.14	Initial Hydro-static
1	342.68	98.02	Open To Flow (1)
29	922.40	116.83	Shut-In(1)
44	1229.81	115.39	End Shut-In(1)
44	928.00	115.24	Open To Flow (2)
60	1100.85	116.64	Shut-In(2)
81	1232.07	115.50	End Shut-In(2)
82	1530.90	115.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
683.00	GSOMCW 1%g 5%o 2%m 92%w	7.63
693.00	GV SOMCW3%g 2%o35%m 60%w	9.72
818.00	GV SOMCW 1%g 2%o 30%m 67%w	11.49
283.00	OSWCM 10%w 90%m	3.97

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67228 DST#: 3
Test Start: 2021.05.10 @ 10:00:43

GENERAL INFORMATION:

Formation: **Viola**
Deviated: **No Whipstock:** ft (KB) Test Type: **Conventional Bottom Hole (Reset)**
Time Tool Opened: 12:50:43 Tester: **Matt Smith**
Time Test Ended: 18:27:43 Unit No: **68**

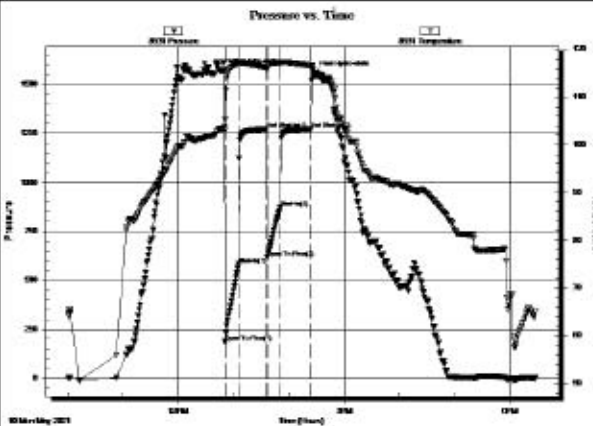
Interval: **3206.00 ft (KB) To 3220.00 ft (KB) (TVD)** Reference Elevations: **1374.00 ft (KB)**
Total Depth: **2869.00 ft (KB) (TVD)** **1365.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **9.00 ft**

Serial #: 8931

Inside

Press@RunDepth: **871.35 psig @ 3207.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2021.05.10** End Date: **2021.05.10** Last Calib.: **2021.05.10**
Start Time: **10:00:48** End Time: **18:27:42** Time On Btm: **2021.05.10 @ 12:48:13**
Time Off Btm: **2021.05.10 @ 14:27:13**

TEST COMMENT: **IF: Strong Blow . B.O.B. in 45 secs. Built to 146.93". (15)**
IS: No Blow . (30)
FF: Strong Blow . B.O.B. in 1 min. Built 151.80". (15)
FSt: No Blow . (30)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1570.18	103.41	Initial Hydro-static
3	184.98	105.38	Open To Flow (1)
17	583.31	117.05	Shut-In(1)
48	1272.32	116.17	End Shut-In(1)
48	614.08	115.72	Open To Flow (2)
63	871.35	117.18	Shut-In(2)
96	1272.77	116.60	End Shut-In(2)
99	1557.58	114.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	MCW 10% m 90% w	0.46
1814.00	MCW 5% m 95% w	23.88
5.00	OSWCM 35% w 65% m	0.07

* Recovery from multiple tests

Gas Rates

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



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica KS 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67229 DST#: 4
Test Start: 2021.05.11 @ 04:33:02

GENERAL INFORMATION:

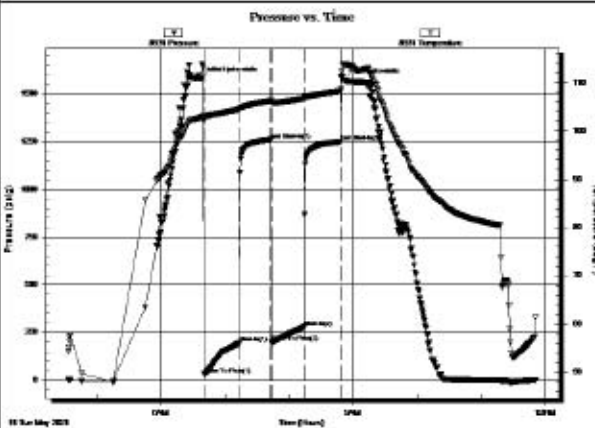
Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 06:40:02 Tester: Matt Smith
Time Test Ended: 11:51:32 Unit No: 68
Interval: **3240.00 ft (KB) To 3288.00 ft (KB) (TVD)** Reference Elevations: 1374.00 ft (KB)
Total Depth: **3288.00 ft (KB) (TVD)** 1365.00 ft (CF)
Hole Diameter: **7.88 inches** -hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8931

Inside

Press@RunDepth: 278.83 psig @ 3241.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.05.11 End Date: 2021.05.11 Last Calib.: 2021.05.11
Start Time: 04:33:07 End Time: 11:51:31 Time On Btm: 2021.05.11 @ 06:37:47
Time Off Btm: 2021.05.11 @ 08:51:02

TEST COMMENT: F: Strong Blow . B.O.B. in 13 mins. Built to 22.75".
IS: No Blow .
FF: Strong Blow . B.O.B. in 14 mins. Built to 20.68".
FS: No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.46	102.86	Initial Hydro-static
3	33.03	102.66	Open To Flow (1)
36	194.64	104.48	Shut-In(1)
65	1260.36	106.33	End Shut-In(1)
66	199.95	105.96	Open To Flow (2)
97	278.83	106.74	Shut-In(2)
131	1248.82	108.24	End Shut-In(2)
134	1568.52	113.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	WCM 35%w 65%m	0.46
501.00	MCW 3%m 97%w	5.46

* Recovery from multiple tests

Gas Rates

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



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67230 DST#: 5
Test Start: 2021.05.11 @ 19:28:11

GENERAL INFORMATION:

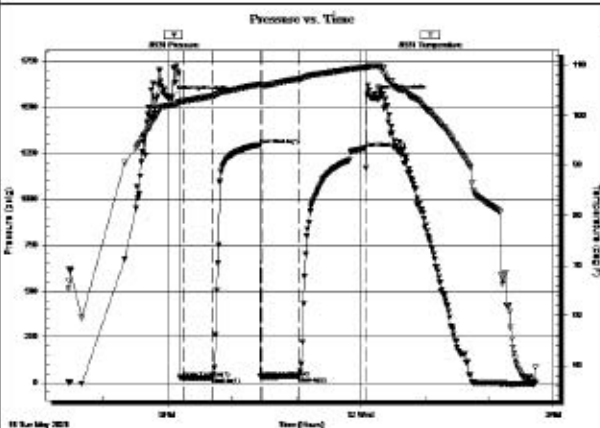
Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 21:14:41 Tester: Matt Smith
Time Test Ended: 02:42:56 Unit No: 68
Interval: 3291.00 ft (KB) To 3299.00 ft (KB) (TVD) Reference Elevations: 1374.00 ft (KB)
Total Depth: 3299.00 ft (KB) (TVD) 1365.00 ft (CF)
Hole Diameter: 7.88 inches -hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8931

Inside

Press@RunDepth: 38.92 psig @ 3292.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.05.11 End Date: 2021.05.12 Last Calib.: 2021.05.12
Start Time: 19:28:16 End Time: 02:42:55 Time On Btm: 2021.05.11 @ 21:03:56
Time Off Btm: 2021.05.12 @ 00:08:56

TEST COMMENT: F: Weak Blow . Built to 1.41".
IS: No Blow .
FF: Weak Blow . Built to .31".
FS: No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.95	102.04	Initial Hydro-static
11	28.49	102.83	Open To Flow (1)
38	29.52	103.87	Shut-In(1)
83	1295.07	106.17	End Shut-In(1)
85	33.22	105.92	Open To Flow (2)
119	36.92	107.26	Shut-In(2)
181	1277.32	109.60	End Shut-In(2)
185	1556.84	109.79	Final Hydro-static

Recovery



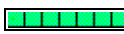








Length (ft)	Description	Volume (bbl)
31.00	GVSOWCM 1%g 3%o 2%w 94%m	0.24

* Recovery from multiple tests

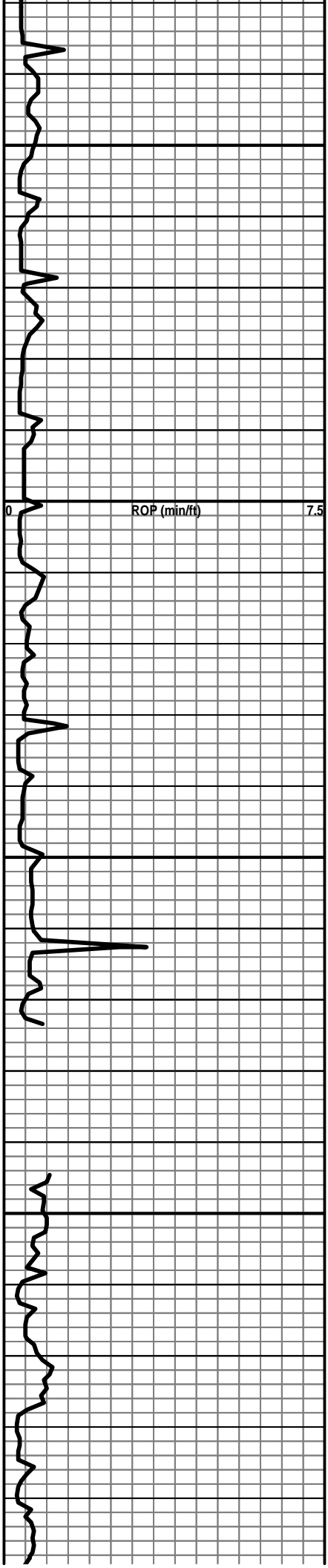
Gas Rates

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

ROCK TYPES

 Anhy	 Congl	 Salt	 Siltstone
 Cht	 Dolomite	 Shale	 Sandstone
 Black shale	 Limestone	 Cherty dol.	



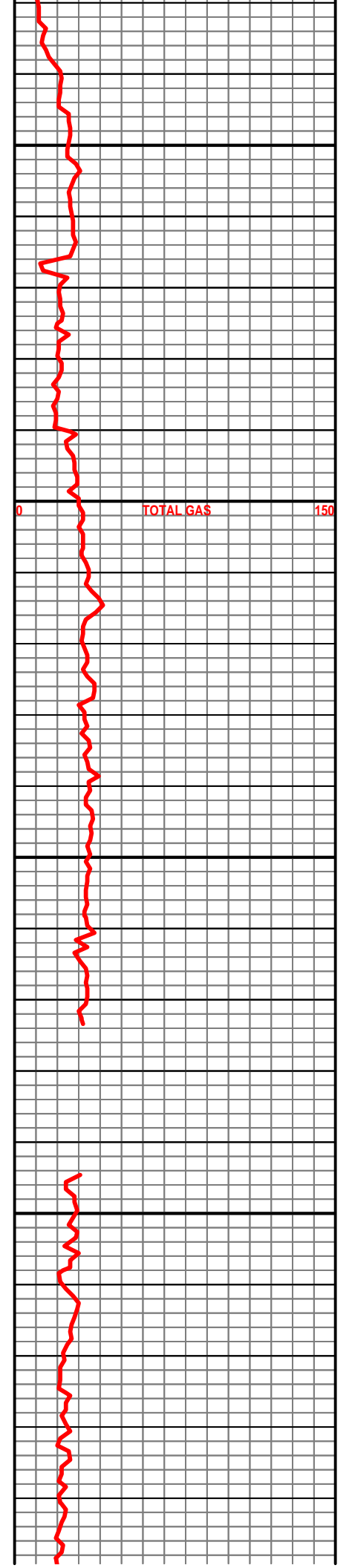


550

600

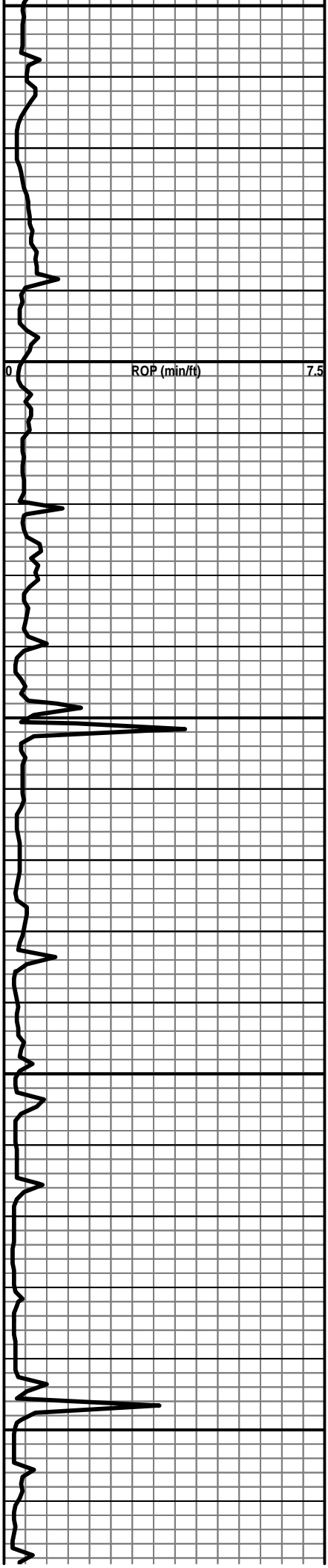
650

700



TOTAL GAS

150



750

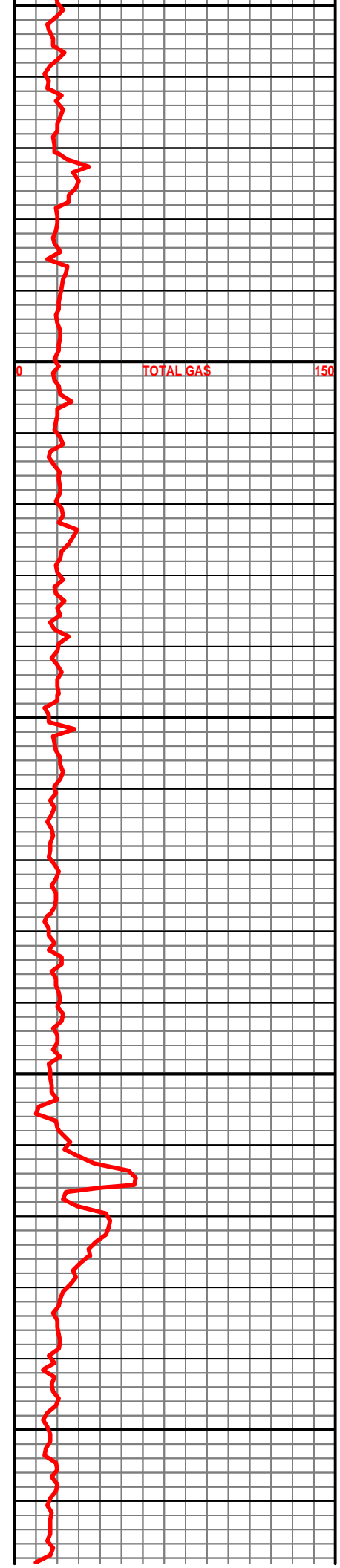
800

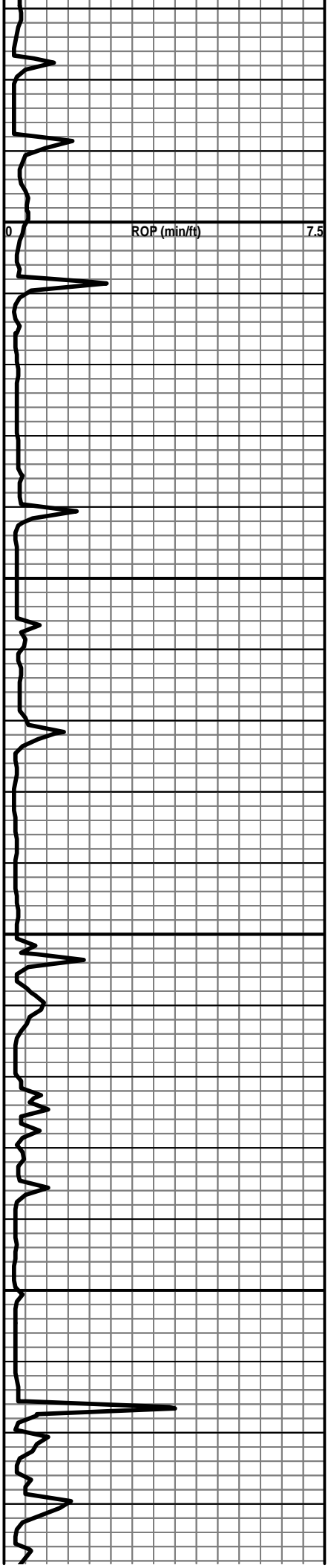
850

900

950

Check Log



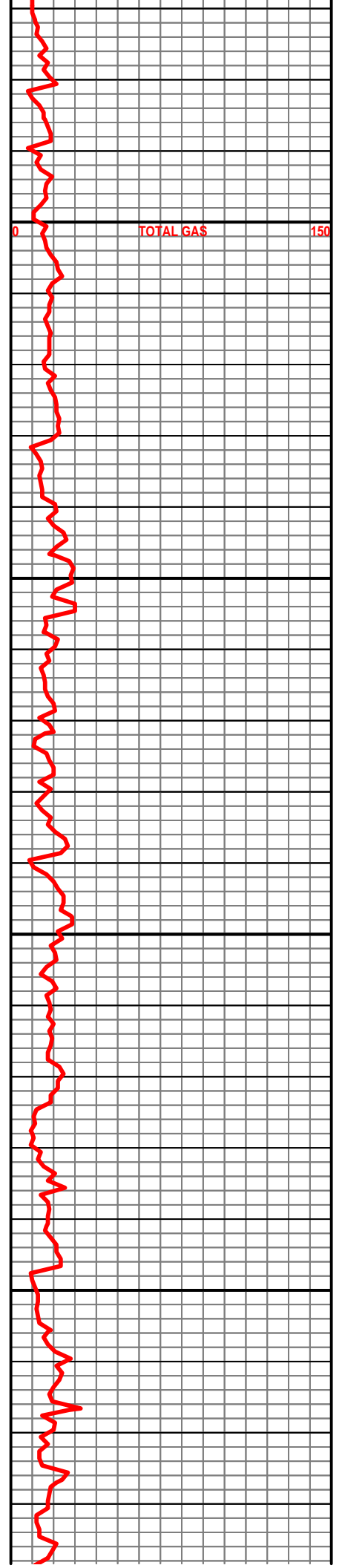


1000

1050

1100

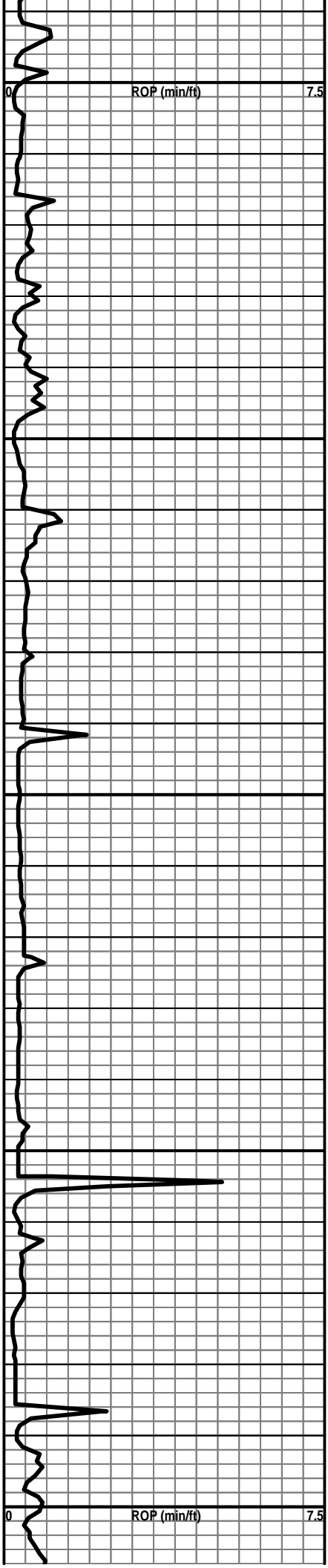
1150



0

TOTAL GAS

150



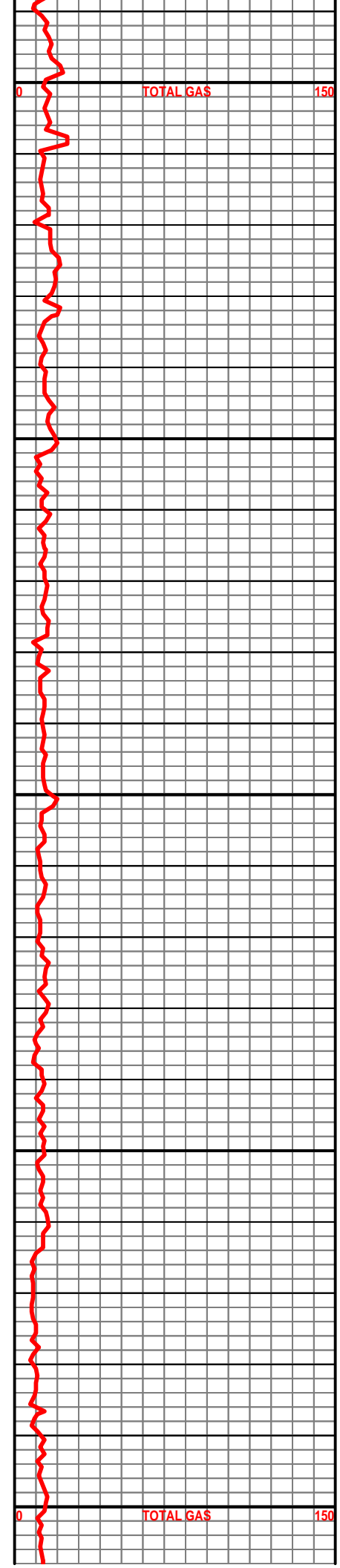
1200

1250

1300

1350

1400

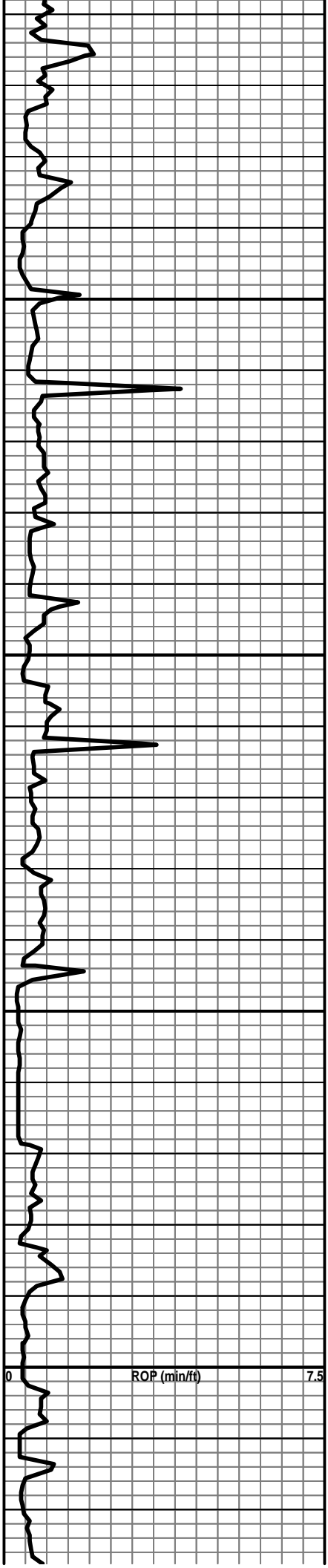


0

150

0

150



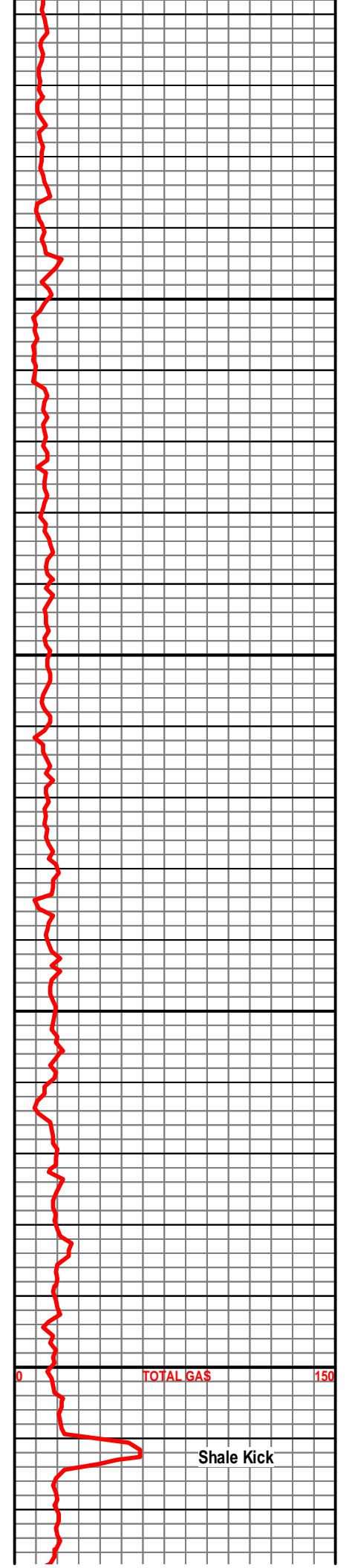
1450

1500

1550

1600

Drill Time min / ft above 1550' Not corrected for connections

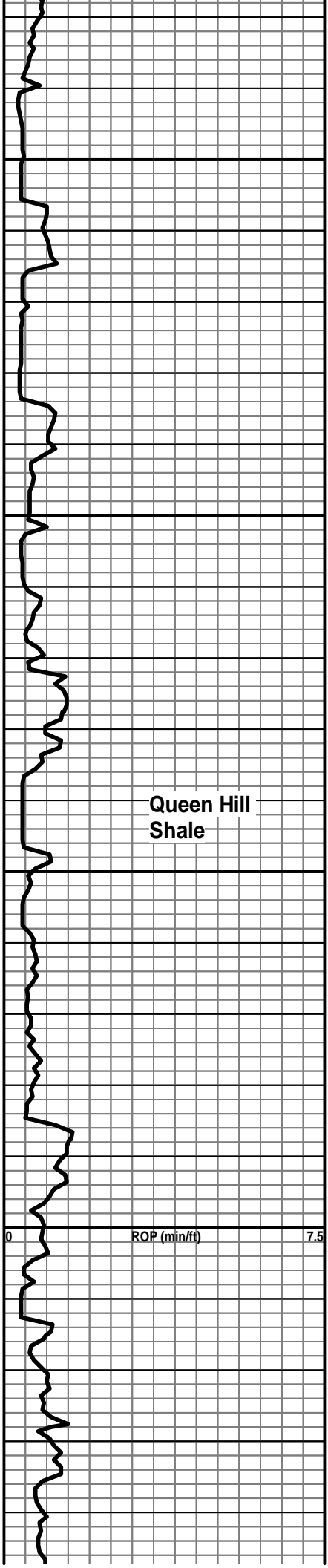


0

TOTAL GAS

150

Shale Kick



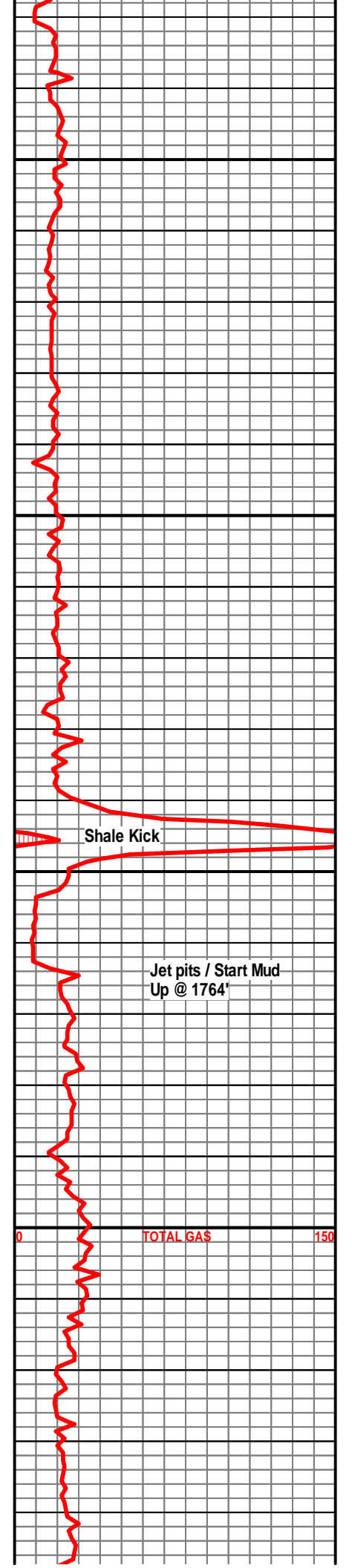
1650

1700

Queen Hill Shale

1750

1800



1650

1700

Shale Kick

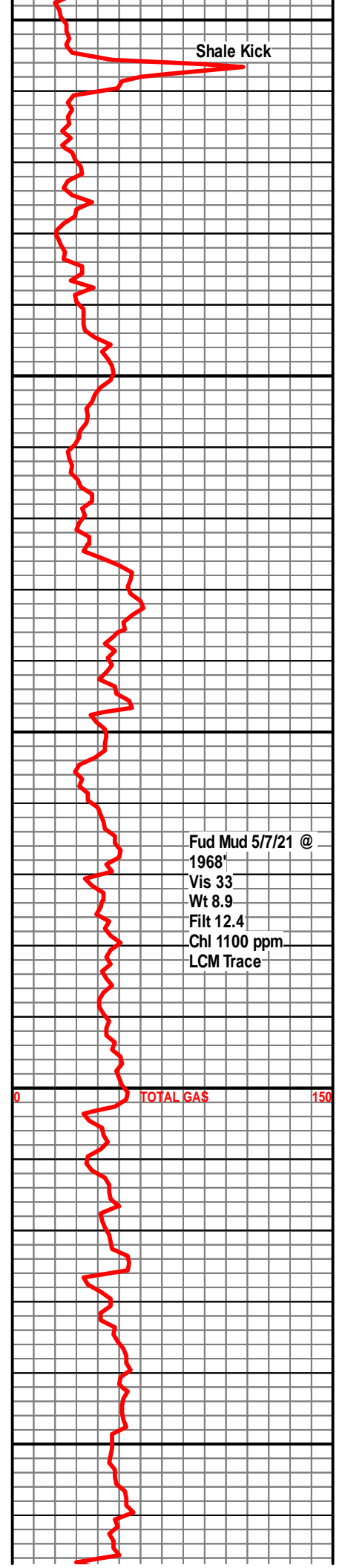
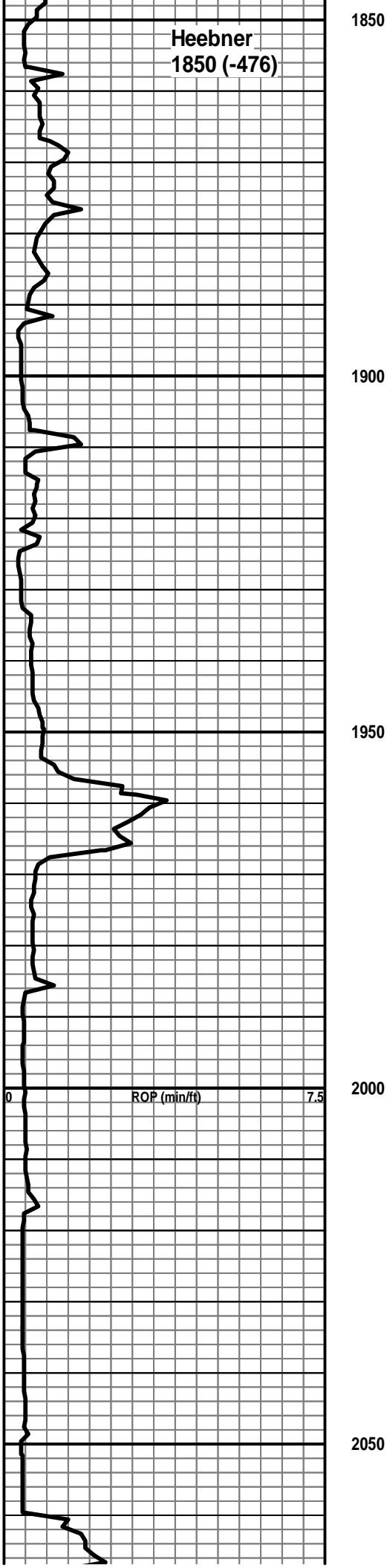
Jet pits / Start Mud Up @ 1764'

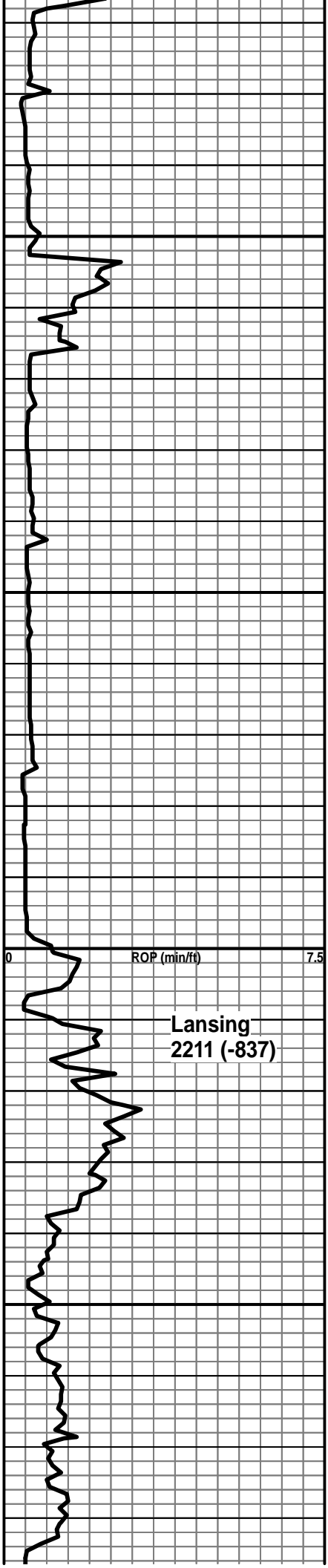
1750

1800

TOTAL GAS

150



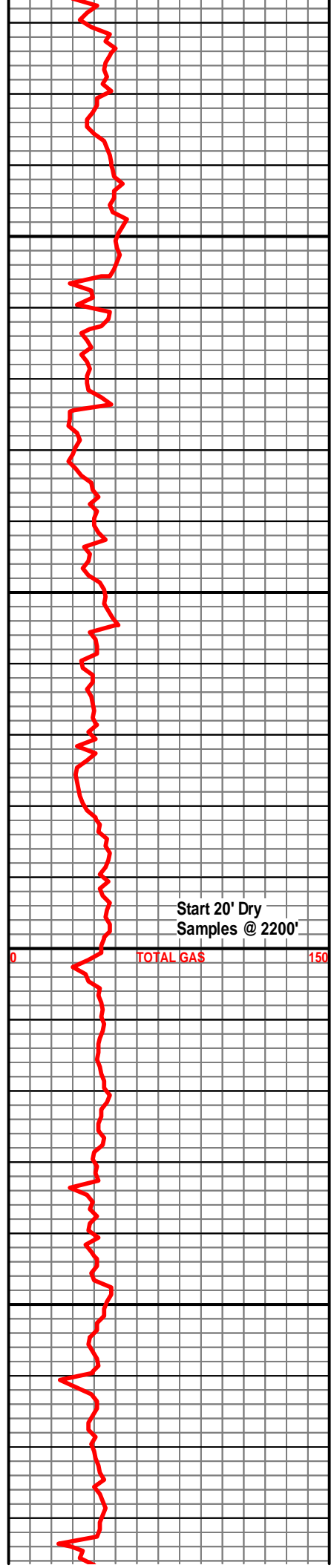
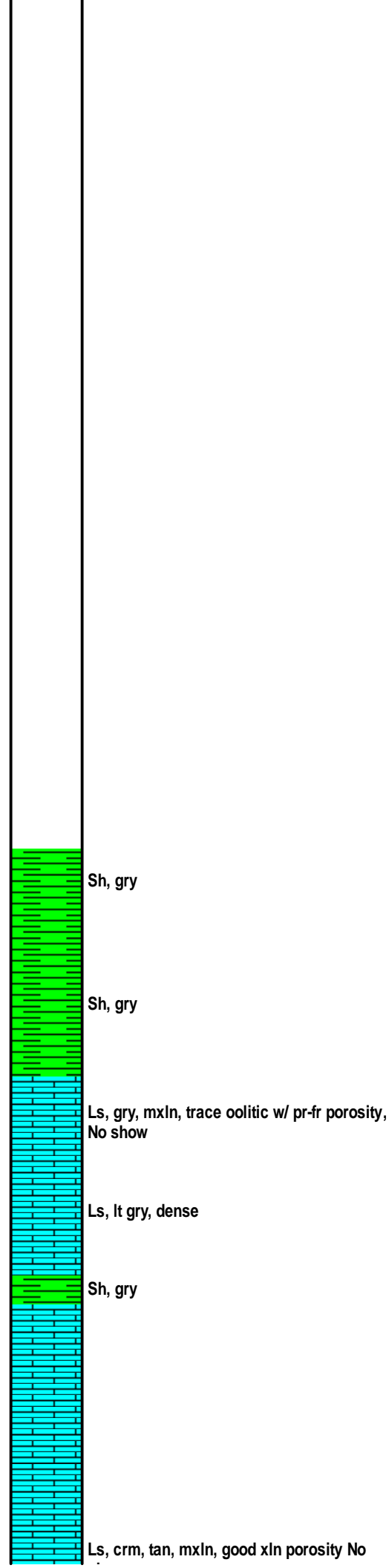


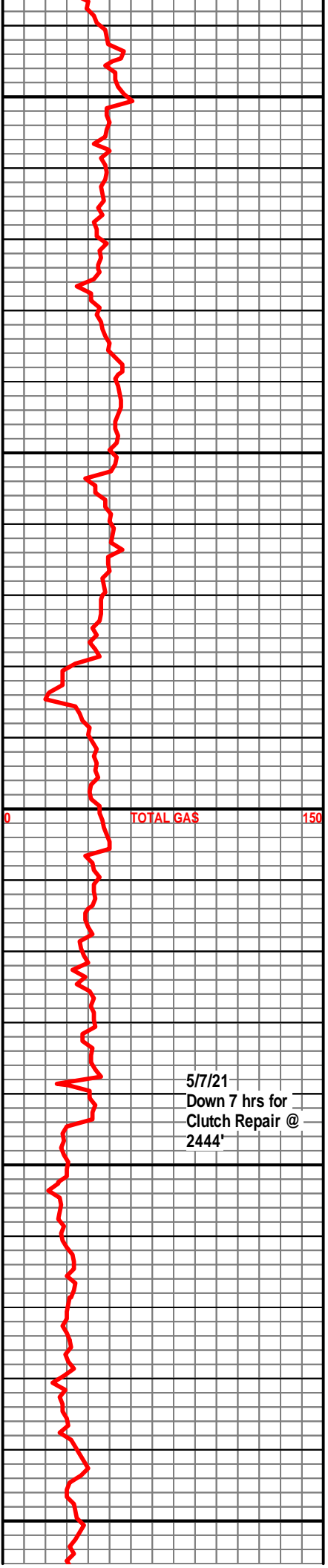
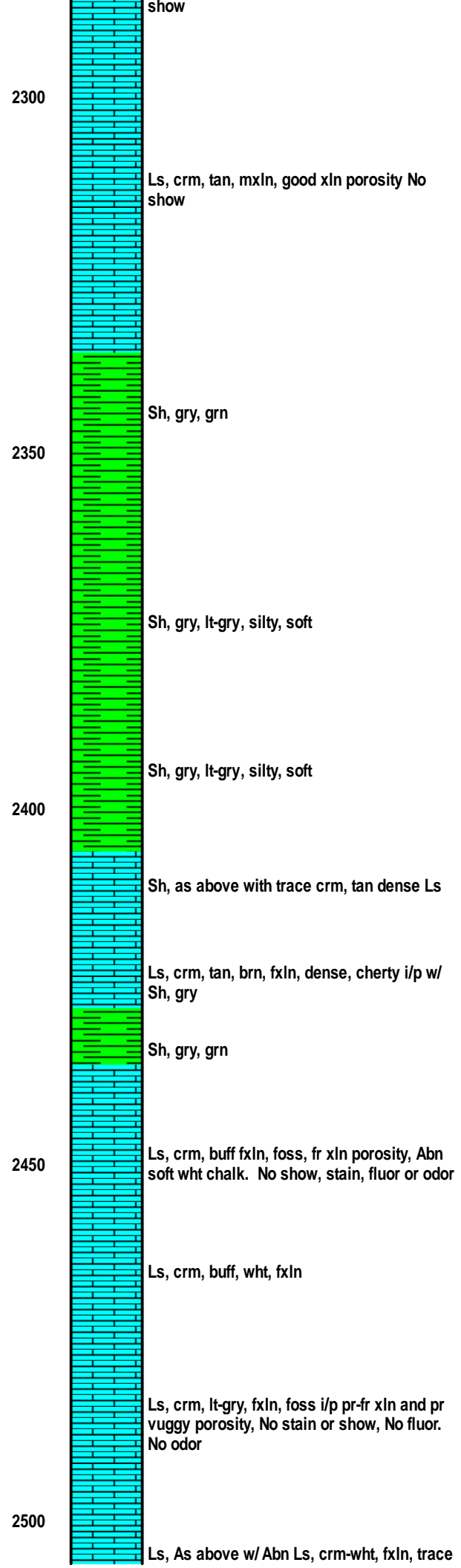
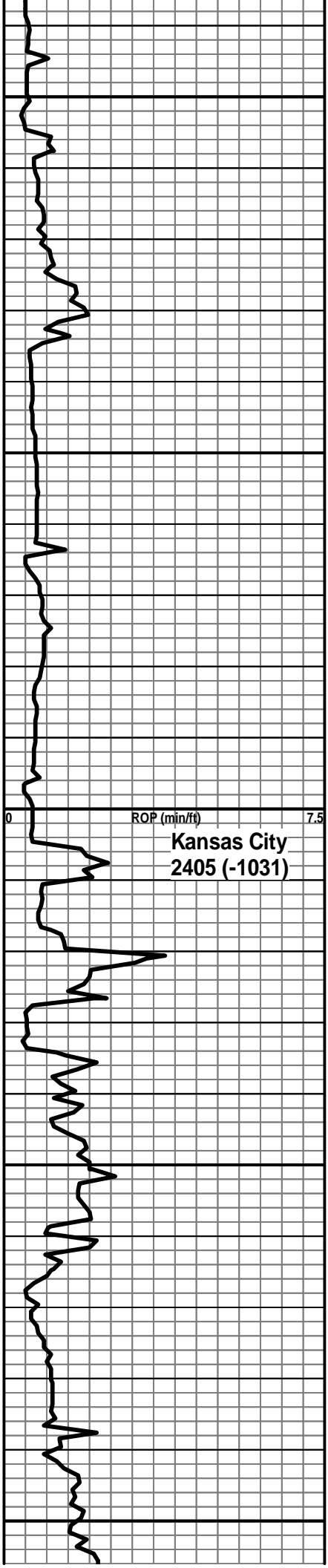
2100

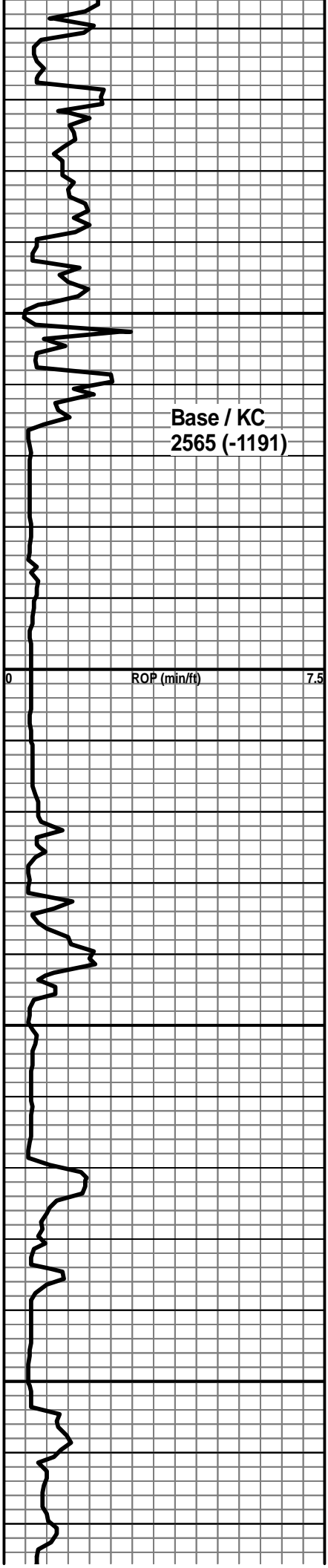
2150

2200

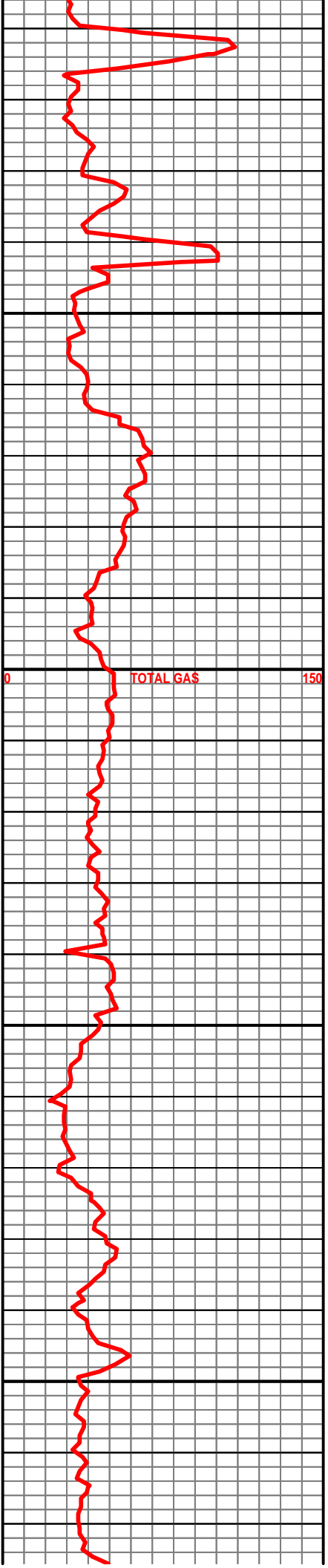
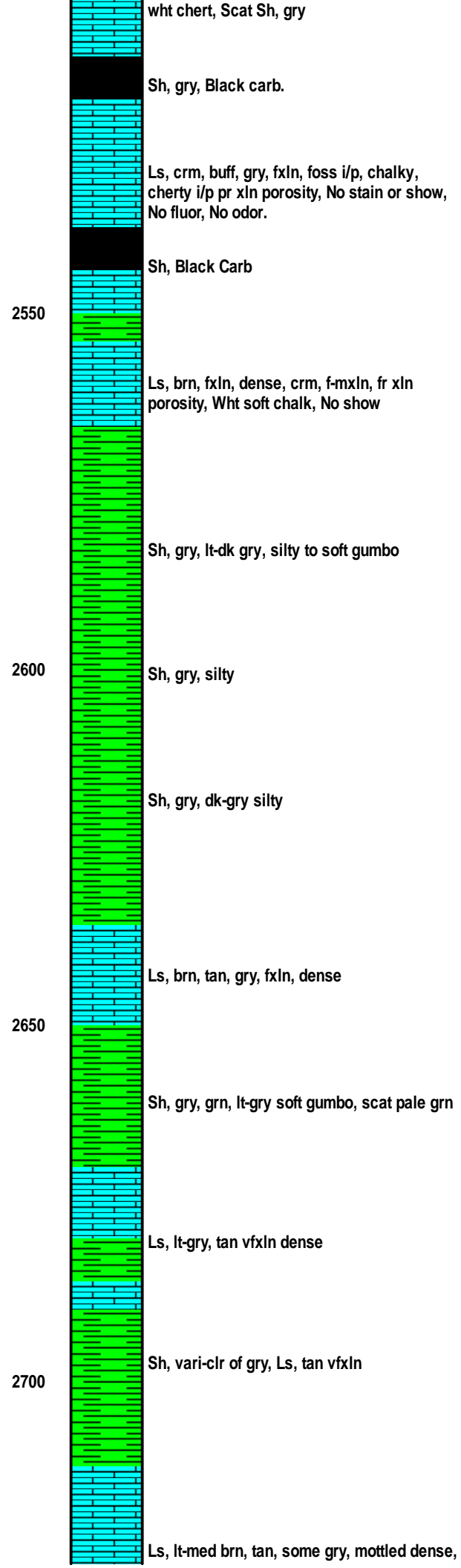
2250

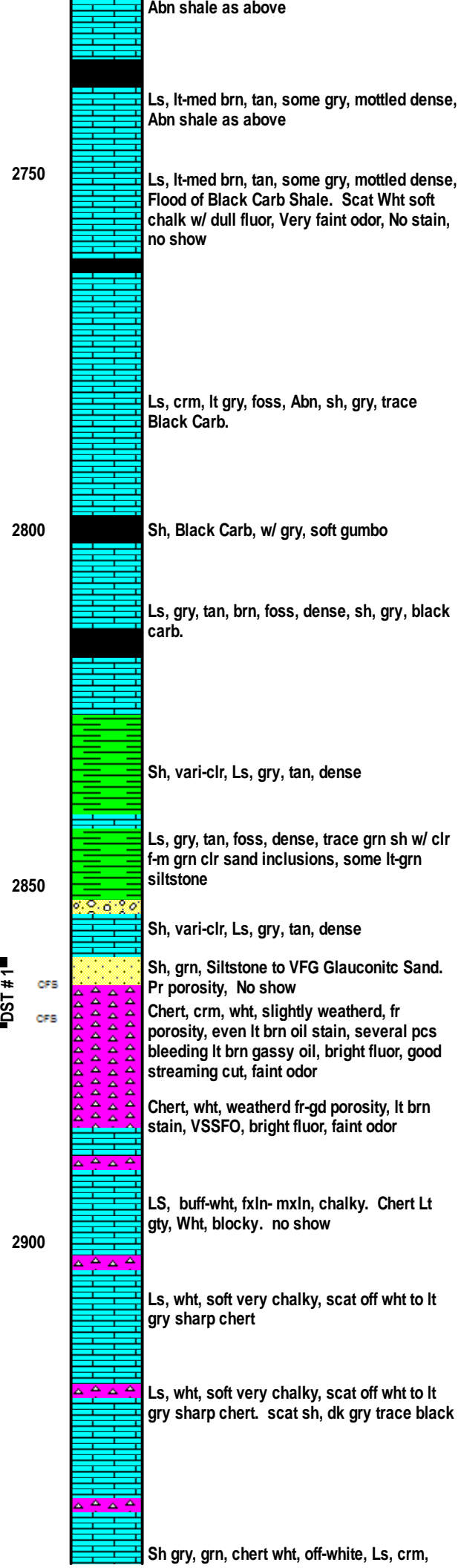
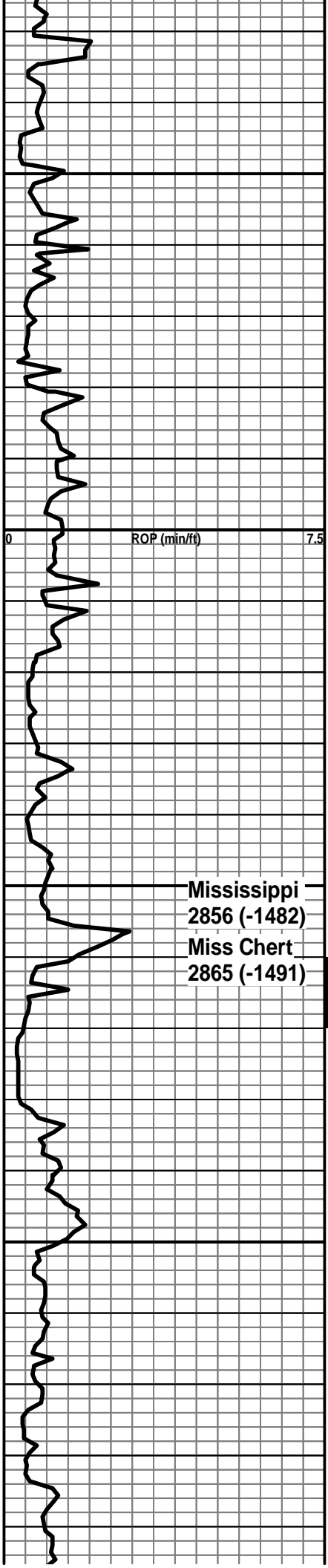






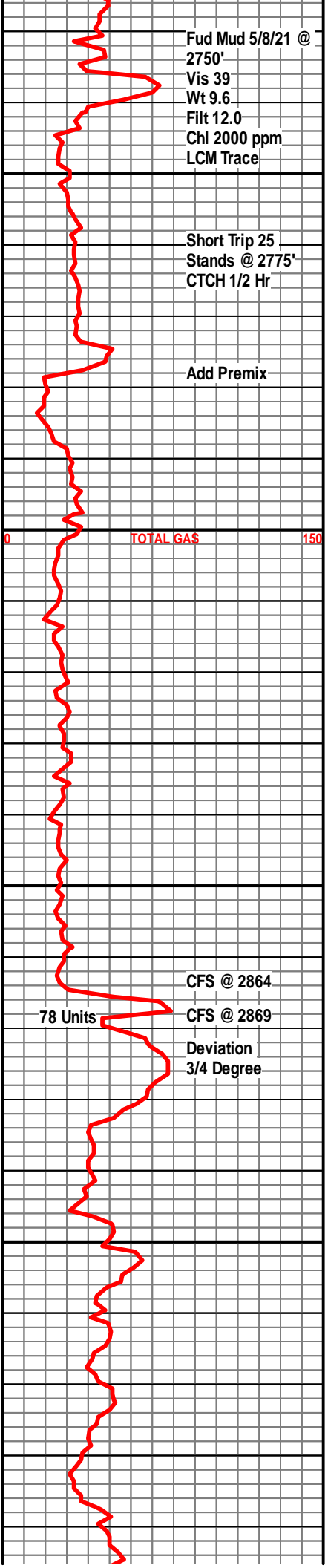
Base / KC
2565 (-1191)

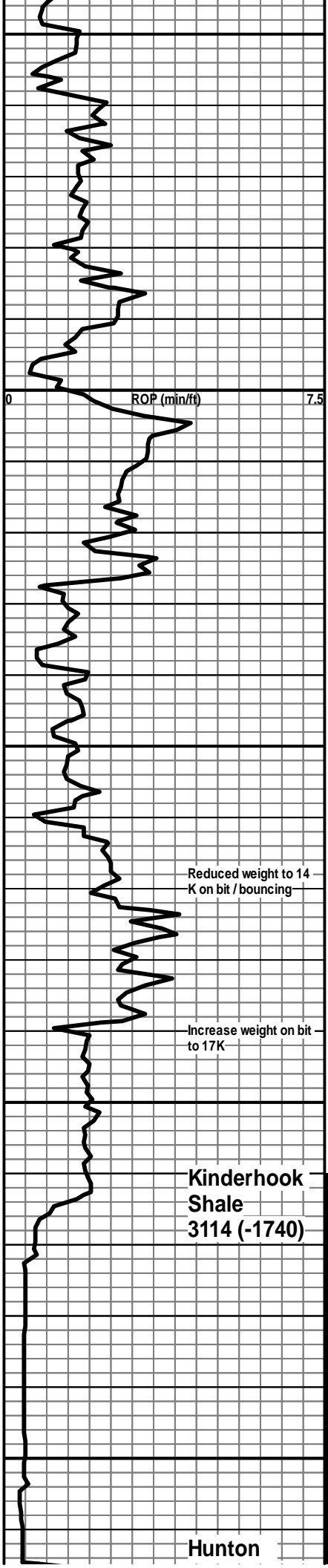




Mississippi
2856 (-1482)
Miss Chert
2865 (-1491)

DST #1





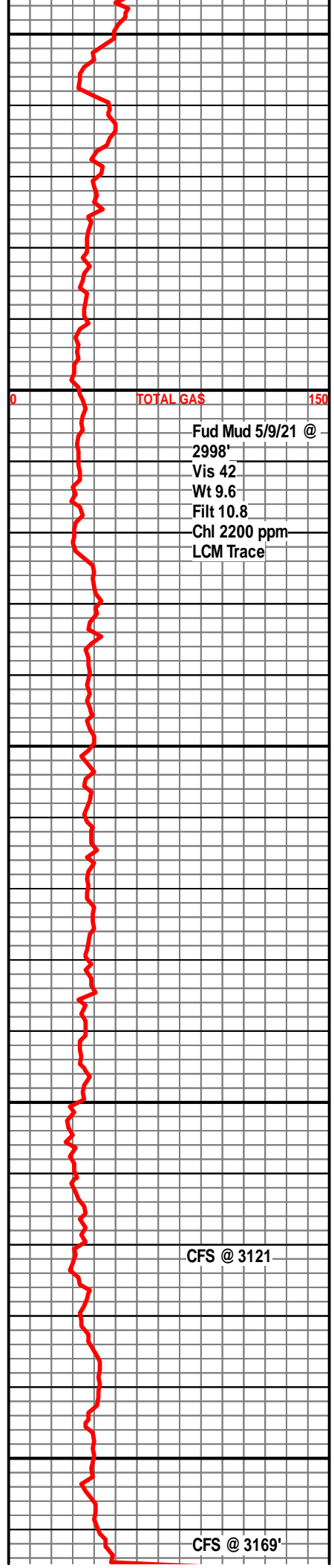
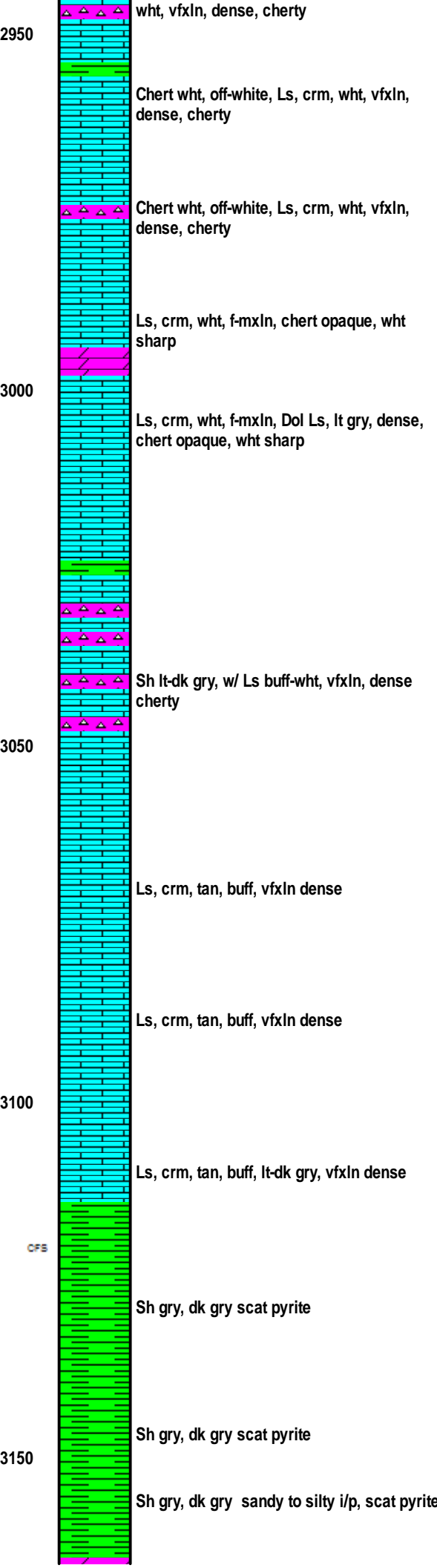
Reduced weight to 14 K on bit / bouncing

Increase weight on bit to 17K

Kinderhook Shale
3114 (-1740)

Hunton

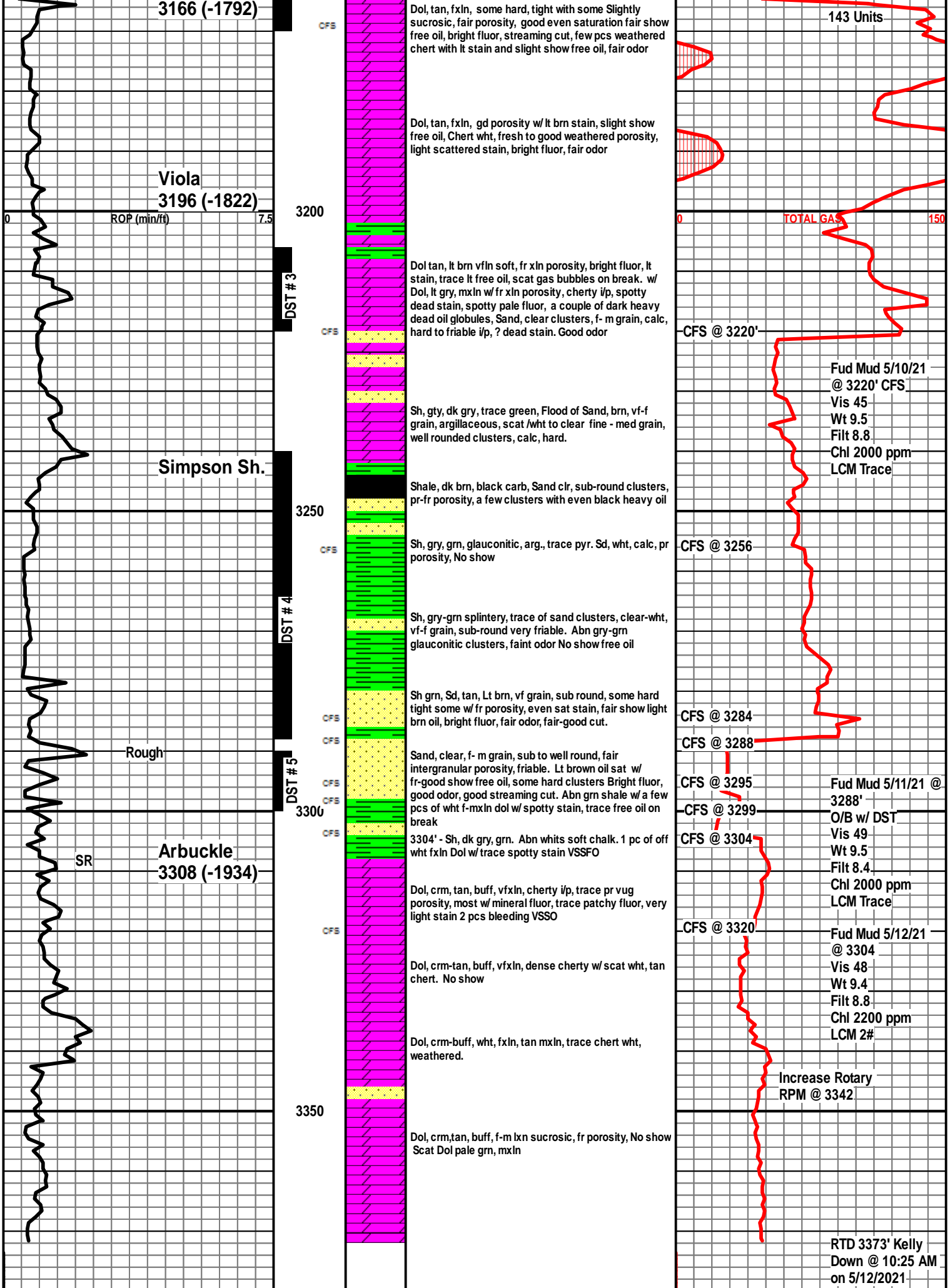
DST # 2



Fud Mud 5/9/21 @
2998'
Vis 42
Wt 9.6
Filt 10.8
Chl 2200 ppm
LCM Trace

CFS @ 3121'

CFS @ 3169'



ROP (min/ft) 0 7.5

DST #3

DST #4

DST #5

3200

3250

3300

3350

Rough

SR

CFS

CFS

CFS

CFS

CFS

CFS

CFS

CFS

CFS

CFS

CFS

CFS

CFS

CFS

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CFS

CFS

CFS

Dol, tan, fxln, some hard, tight with some Slightly sucrosic, fair porosity, good even saturation fair show free oil, bright fluor, streaming cut, few pcs weathered chert with lt stain and slight show free oil, fair odor

Dol, tan, fxln, gd porosity w/ lt brn stain, slight show free oil, Chert wht, fresh to good weathered porosity, light scattered stain, bright fluor, fair odor

Dol tan, lt brn vfln soft, fr xln porosity, bright fluor, lt stain, trace lt free oil, scat gas bubbles on break. w/ Dol, lt gry, mxln w/ fr xln porosity, cherty ip, spotty dead stain, spotty pale fluor, a couple of dark heavy dead oil globules, Sand, clear clusters, f- m grain, calc, hard to friable ip, ? dead stain. Good odor

Sh, gty, dk gry, trace green, Flood of Sand, brn, vf-f grain, argillaceous, scat /wht to clear fine - med grain, well rounded clusters, calc, hard.

Shale, dk brn, black carb, Sand clr, sub-round clusters, pr-fr porosity, a few clusters with even black heavy oil

Sh, gry, gm, glauconitic, arg., trace pyr. Sd, wht, calc, pr porosity, No show

Sh, gry-grn splintery, trace of sand clusters, clear-wht, vf-f grain, sub-round very friable. Abn gry-grn glauconitic clusters, faint odor No show free oil

Sh grn, Sd, tan, Lt brn, vf grain, sub round, some hard tight some w/ fr porosity, even sat stain, fair show light brn oil, bright fluor, fair odor, fair-good cut.

Sand, clear, f- m grain, sub to well round, fair intergranular porosity, friable. Lt brown oil sat w/ fr-good show free oil, some hard clusters Bright fluor, good odor, good streaming cut. Abn grn shale w/ a few pcs of wht f-mxln dol w/ spotty stain, trace free oil on break

3304' - Sh, dk gry, grn. Abn whits soft chalk. 1 pc of off wht fxln Dol w/ trace spotty stain VSSFO

Dol, crm, tan, buff, vfxln, cherty ip, trace pr vug porosity, most w/ mineral fluor, trace patchy fluor, very light stain 2 pcs bleeding VSSO

Dol, crm-tan, buff, vfxln, dense cherty w/ scat wht, tan chert. No show

Dol, crm-buff, wht, fxln, tan mxln, trace chert wht, weathered.

Dol, crm,tan, buff, f-m lxn sucrosic, fr porosity, No show Scat Dol pale grn, mxln

0 150

CFS @ 3220'

CFS @ 3256

CFS @ 3284

CFS @ 3288

CFS @ 3295

CFS @ 3299

CFS @ 3304

CFS @ 3320



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67226 **DST#: 1**
Test Start: 2021.05.08 @ 17:40:45

GENERAL INFORMATION:

Formation: **Miss Chert**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:04:00
Time Test Ended: 00:58:45
Interval: **2860.00 ft (KB) To 2869.00 ft (KB) (TVD)**
Total Depth: 2869.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1374.00 ft (KB)
1365.00 ft (CF)
KB to GR/CF: 9.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 68

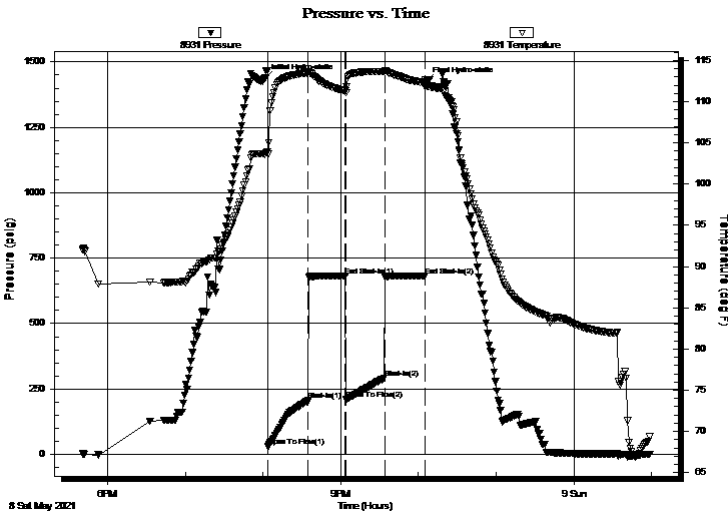
Serial #: 8931

Inside

Press@RunDepth: 291.56 psig @ 2861.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.05.08 End Date: 2021.05.09 Last Calib.: 2021.05.09
Start Time: 17:40:50 End Time: 00:58:44 Time On Btm: 2021.05.08 @ 20:01:45
Time Off Btm: 2021.05.08 @ 22:05:45

TEST COMMENT: IF: Strong Blow . B.O.B. in 11 mins. Built to 25.67". (30)
IS: Weak Blow . Built to 1/8". (30)
FF: Strong Blow . B.O.B. in 13 mins. Built to 16.47". (30)
FS: Weak Blow . Built to 1/4".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1437.04	103.63	Initial Hydro-static
3	29.14	103.63	Open To Flow (1)
34	205.57	113.52	Shut-In(1)
62	681.88	111.28	End Shut-In(1)
63	210.28	111.11	Open To Flow (2)
92	291.56	113.69	Shut-In(2)
124	681.85	112.26	End Shut-In(2)
124	1425.27	112.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GMCW 2%g 5%m 93%w	0.30
545.00	OSW 100%w	5.42
1.00	GMCO 5%g 5%m 90%o	0.01
0.00	57' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67226 **DST#: 1**
Test Start: 2021.05.08 @ 17:40:45

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	4900 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.99 in ³	Gas Cushion Type:		
Resistivity: 2000.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	GMCW 2%g 5%m 93%w	0.300
545.00	OSW 100%w	5.422
1.00	GMCO 5%g 5%m 90%o	0.014
0.00	57' G.I.P.	0.000

Total Length: 607.00 ft Total Volume: 5.736 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: RW is 1.3 @ 70 Degrees = 4900 Chlorides.

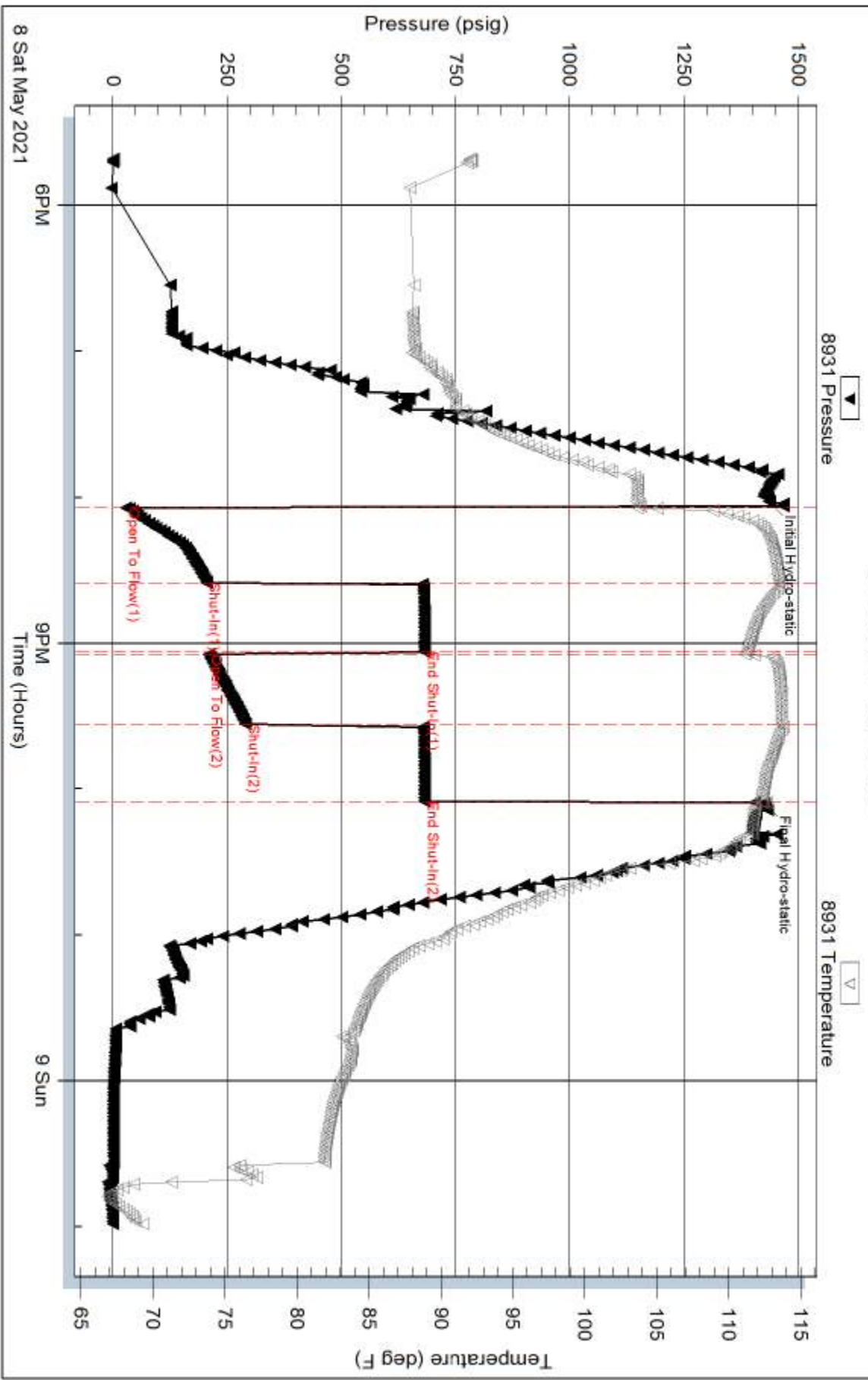
Serial #: 8931

Inside AGV Corp

Edw Jen #2-A

DST Test Number: 1

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 67226

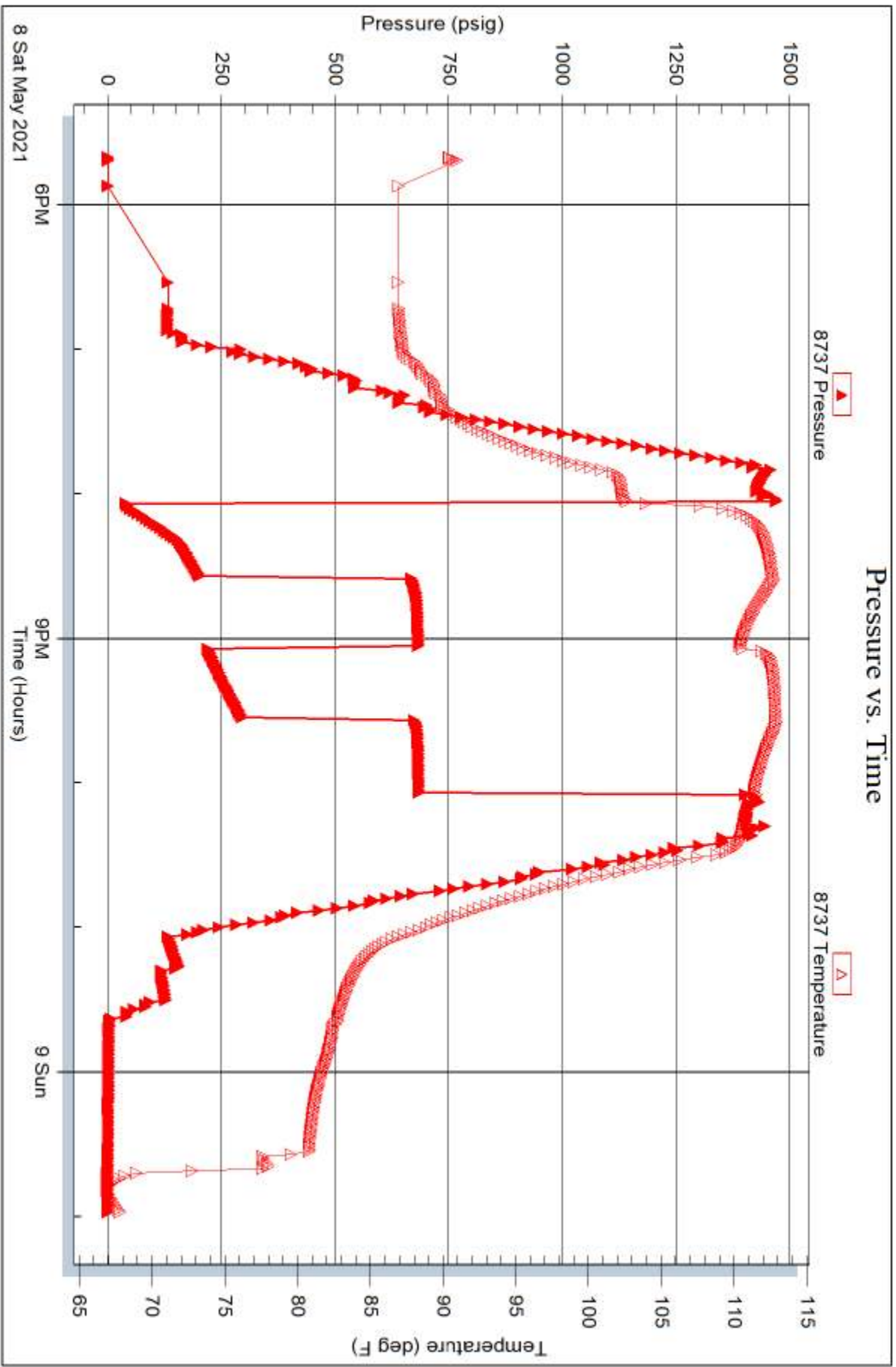
Printed: 2021.05.09 @ 07:11:22

Serial #: 8737

Outside AGV Corp

Edwien #2-A

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67226

Printed: 2021.05.09 @ 07:11:22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp
 123 N Main
 P.O. Box 377
 Attica Ks. 67009
 ATTN: Kent Roberts

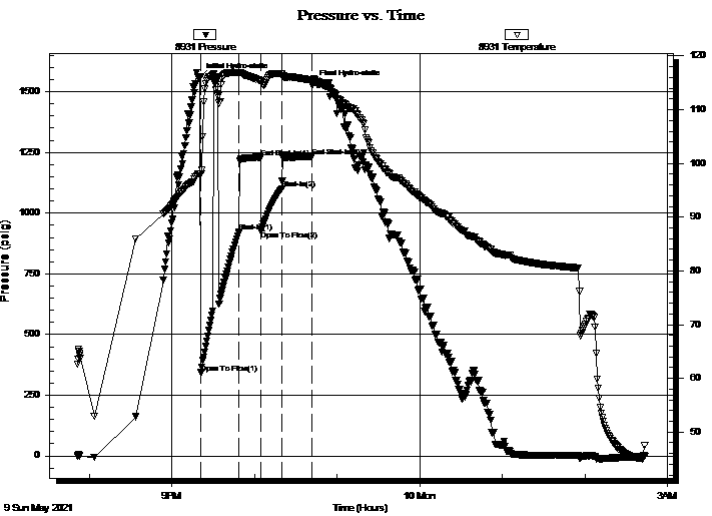
11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
 Job Ticket: 67227 **DST#: 2**
 Test Start: 2021.05.09 @ 19:51:25

GENERAL INFORMATION:

Formation: **Hunton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:21:10
 Time Test Ended: 02:43:40
 Interval: **3109.00 ft (KB) To 3169.00 ft (KB) (TVD)**
 Total Depth: 3169.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 1374.00 ft (KB)
 1365.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8931 Inside
 Press@RunDepth: 1100.85 psig @ 3110.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.05.09 End Date: 2021.05.10 Last Calib.: 2021.05.10
 Start Time: 19:51:30 End Time: 02:43:39 Time On Btm: 2021.05.09 @ 21:20:25
 Time Off Btm: 2021.05.09 @ 22:42:10

TEST COMMENT: IF: Strong Blow . B.O.B. in 15 secs. Built to 262.79".
 IS: No Blow .
 FF: Strong Blow . B.O.B. in 45 secs. Built to 131.52".
 FS: No Blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.45	98.14	Initial Hydro-static
1	342.68	98.02	Open To Flow (1)
29	922.40	116.83	Shut-In(1)
44	1229.81	115.39	End Shut-In(1)
44	928.00	115.24	Open To Flow (2)
60	1100.85	116.64	Shut-In(2)
81	1232.07	115.50	End Shut-In(2)
82	1530.90	115.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
683.00	GSOMCW 1%g 5%o 2%m 92%w	7.63
693.00	GV SOMCW 3%g 2%o 35%m 60%w	9.72
819.00	GV SOMCW 1%g 2%o 30%m 67%w	11.49
283.00	OSWCM 10%w 90%m	3.97

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67227 **DST#: 2**
Test Start: 2021.05.09 @ 19:51:25

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	15000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in ³	Gas Cushion Type:		
Resistivity: 2000.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

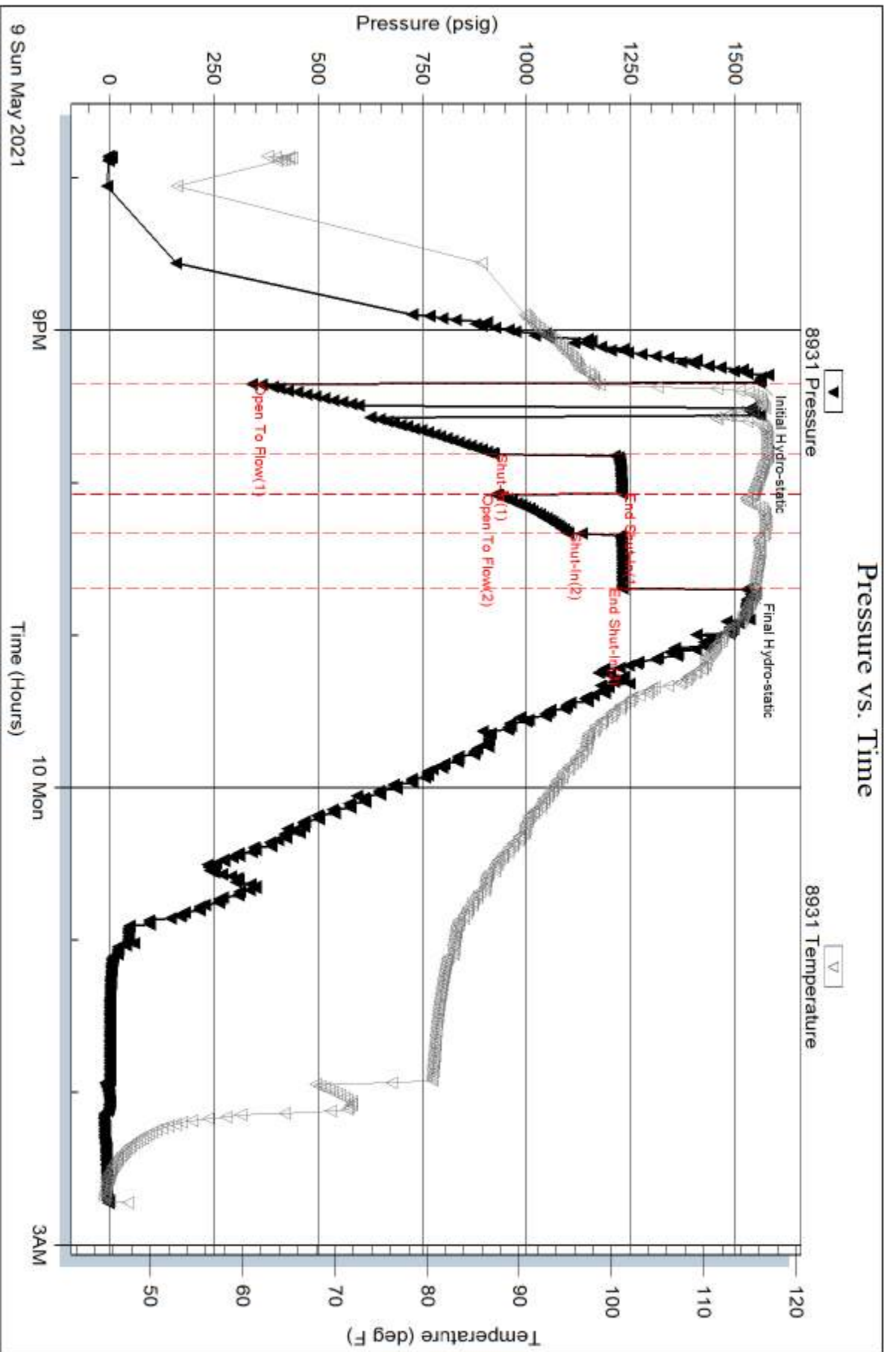
Length ft	Description	Volume bbl
683.00	GSOMCW 1%g 5%o 2%m 92%w	7.625
693.00	GV SOMCW 3%g 2%o 35%m 60%w	9.721
819.00	GV SOMCW 1%g 2%o 30%m 67%w	11.488
283.00	OSWCM 10%w 90%m	3.970

Total Length: 2478.00 ft Total Volume: 32.804 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .64 @ 46 Degrees = 15000 Chlorides.

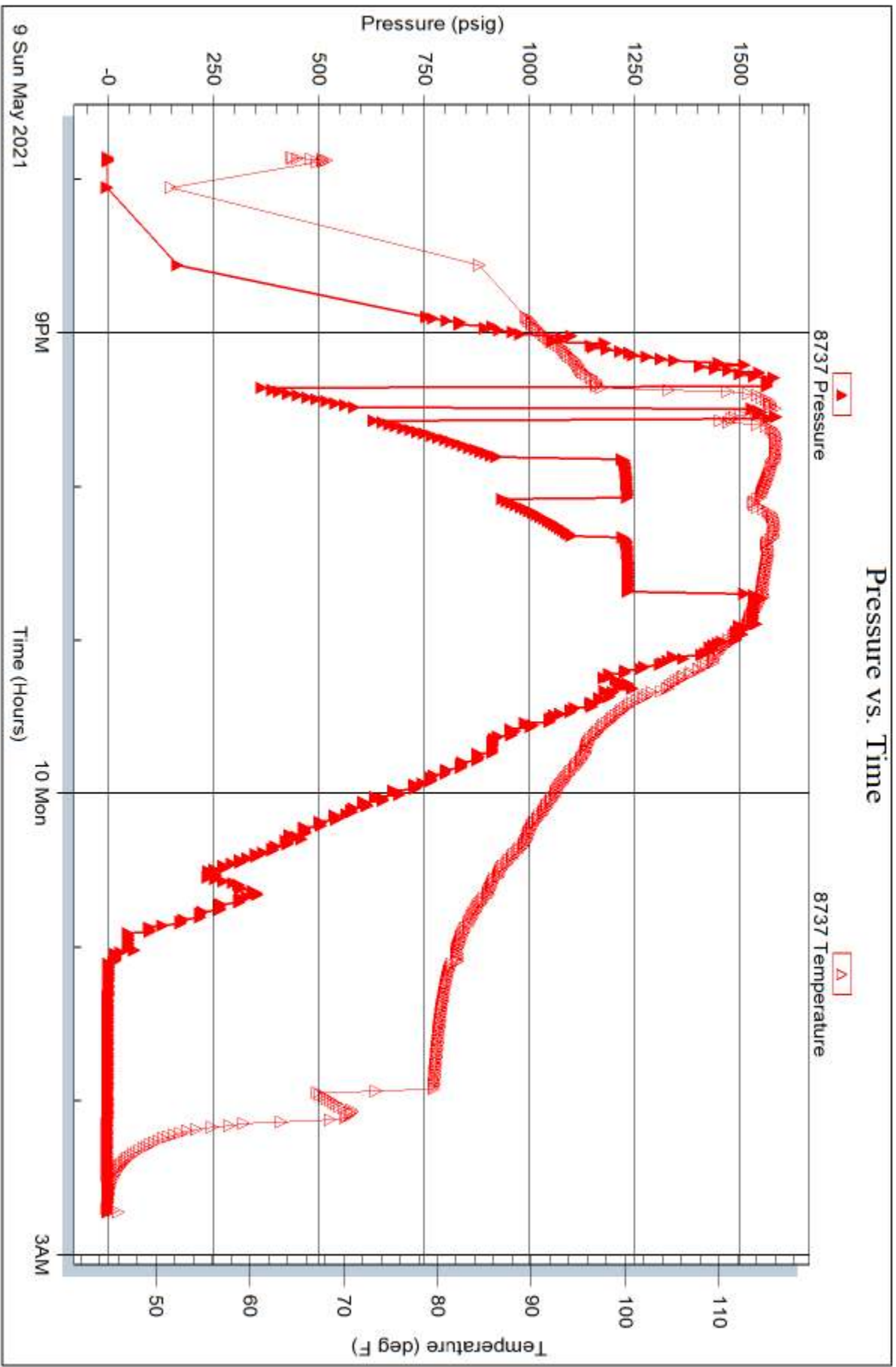


Serial #: 8737

Outside AGV Corp

Edwien #2-A

DST Test Number: 2





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67228 **DST#: 3**
Test Start: 2021.05.10 @ 10:00:43

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	11000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 2000.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

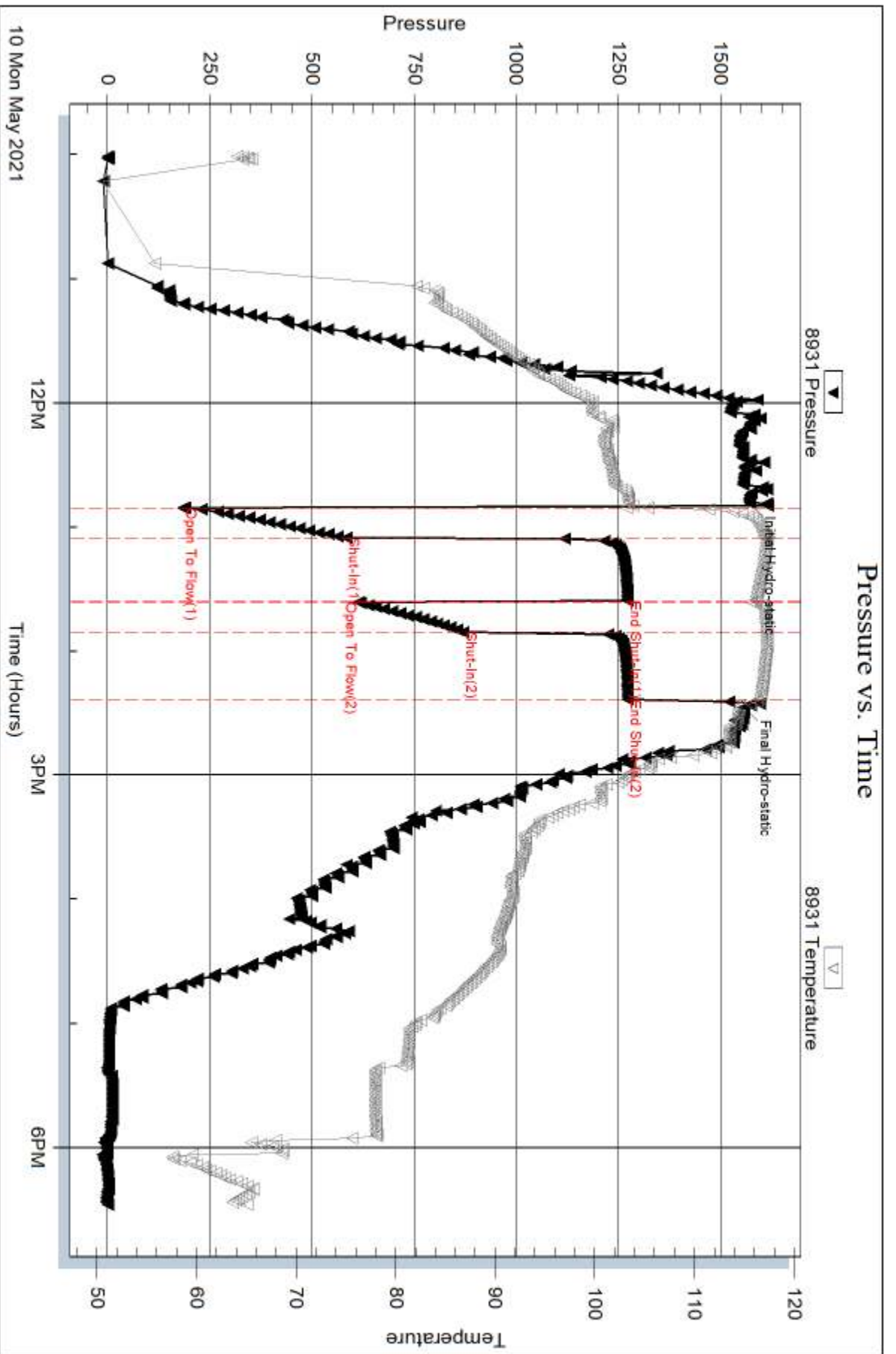
Length ft	Description	Volume bbl
61.00	MCW 10%m 90%w	0.465
1814.00	MCW 5%m 95%w	23.881
5.00	OSWCM 35%w 65%m	0.070

Total Length: 1880.00 ft Total Volume: 24.416 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .60 @ 64 Degrees = 11,000 Chlorides.





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica KS 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67229 **DST#: 4**
Test Start: 2021.05.11 @ 04:33:02

GENERAL INFORMATION:

Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:40:02
Time Test Ended: 11:51:32
Interval: **3240.00 ft (KB) To 3288.00 ft (KB) (TVD)**
Total Depth: 3288.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1374.00 ft (KB)
1365.00 ft (CF)
KB to GR/CF: 9.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

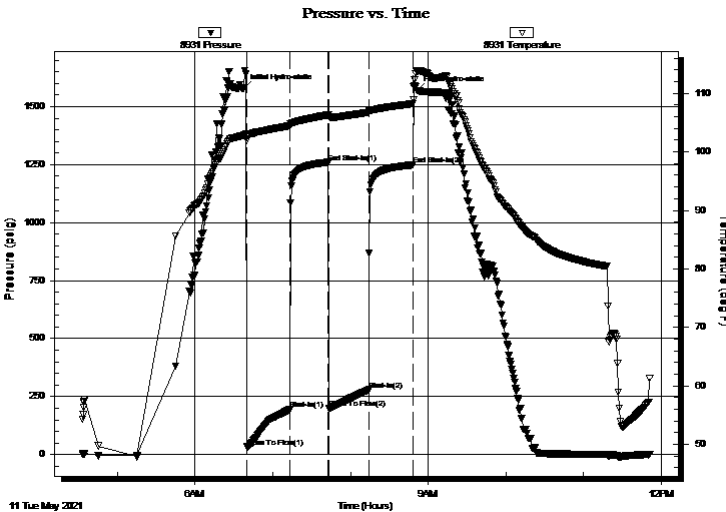
Serial #: 8931

Inside

Press@RunDepth: 278.83 psig @ 3241.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.05.11 End Date: 2021.05.11 Last Calib.: 2021.05.11
Start Time: 04:33:07 End Time: 11:51:31 Time On Btm: 2021.05.11 @ 06:37:47
Time Off Btm: 2021.05.11 @ 08:51:02

TEST COMMENT: IF: Strong Blow . B.O.B. in 13 mins. Built to 22.75".
IS: No Blow .
FF: Strong Blow . B.O.B. in 14 mins. Built to 20.69".
FS: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.46	102.86	Initial Hydro-static
3	33.03	102.66	Open To Flow (1)
36	194.64	104.48	Shut-In(1)
65	1260.36	106.33	End Shut-In(1)
66	199.95	105.96	Open To Flow (2)
97	278.83	106.74	Shut-In(2)
131	1248.82	108.24	End Shut-In(2)
134	1568.52	113.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	WCM 35%w 65%m	0.46
501.00	MCW 3%m 97%w	5.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica KS 67009
ATTN: Kent Roberts

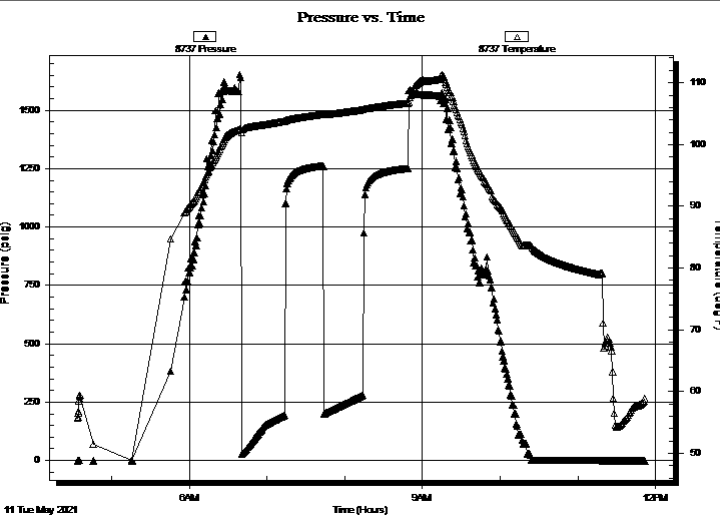
11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67229 **DST#: 4**
Test Start: 2021.05.11 @ 04:33:02

GENERAL INFORMATION:

Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:40:02
Time Test Ended: 11:51:32
Interval: **3240.00 ft (KB) To 3288.00 ft (KB) (TVD)**
Total Depth: 3288.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1374.00 ft (KB)
1365.00 ft (CF)
KB to GR/CF: 9.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

Serial #: 8737 Outside
Press@RunDepth: psig @ 3241.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.05.11 End Date: 2021.05.11 Last Calib.: 2021.05.11
Start Time: 04:33:44 End Time: 11:52:08 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 13 mins. Built to 22.75".
IS: No Blow .
FF: Strong Blow . B.O.B. in 14 mins. Built to 20.69".
FS: No Blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
61.00	WCM 35%w 65%m	0.46
501.00	MCW 3%m 97%w	5.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp
123 N Main
P.O. Box 377
Attica KS 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67229 **DST#: 4**
Test Start: 2021.05.11 @ 04:33:02

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	15000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 2000.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	WCM 35%w 65%m	0.465
501.00	MCW 3%m 97%w	5.463

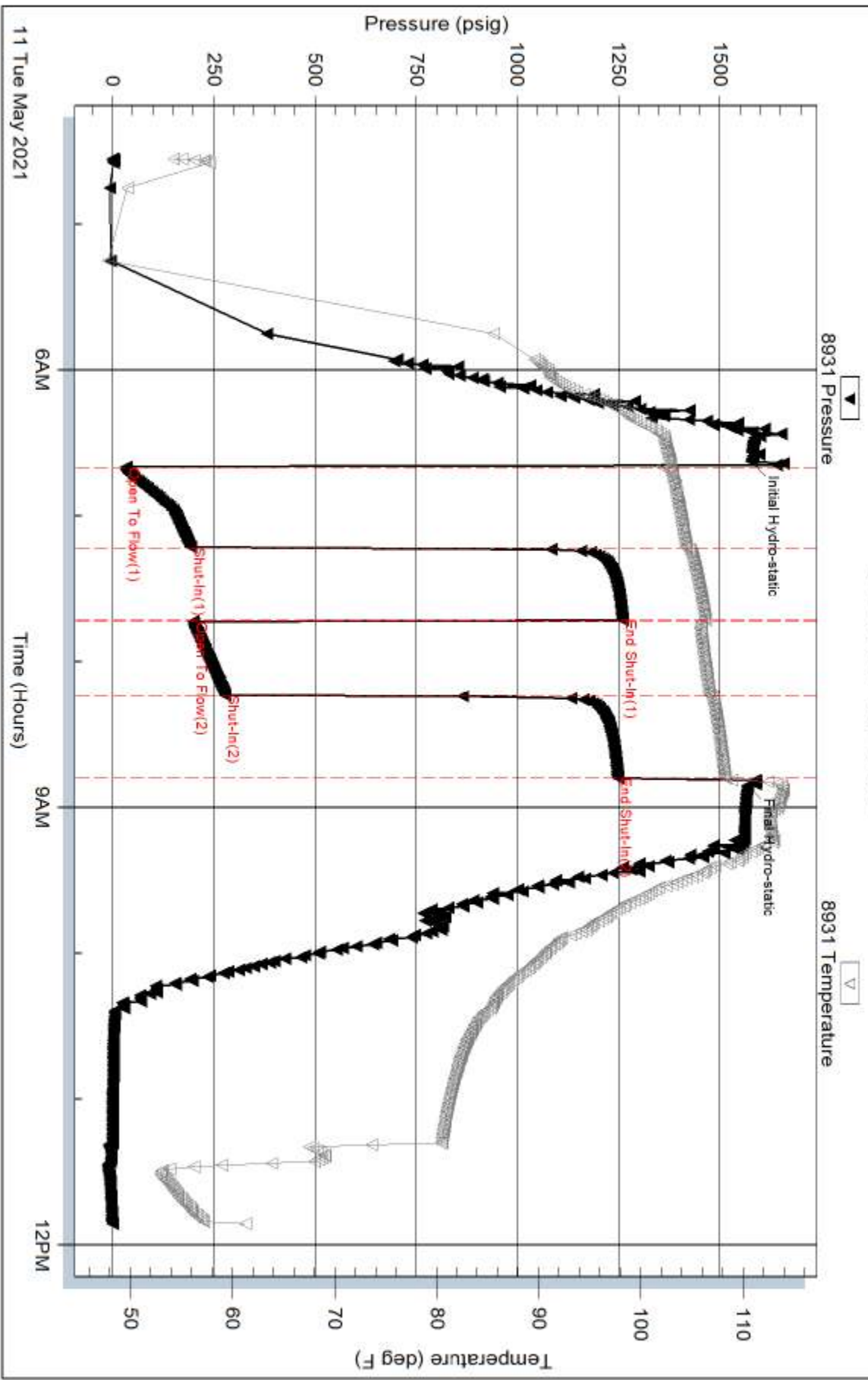
Total Length: 562.00 ft Total Volume: 5.928 bbl

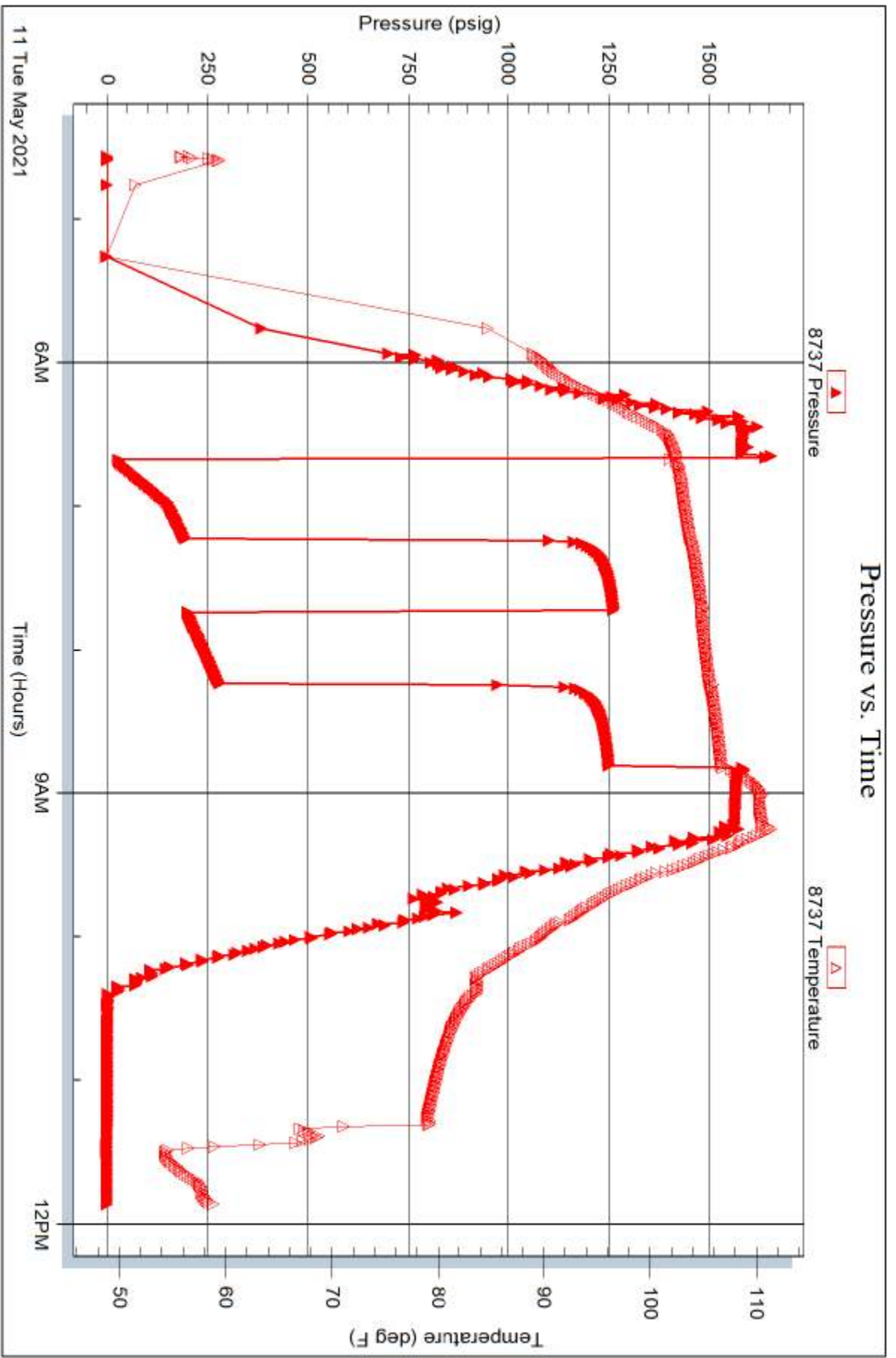
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: NONE

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .59 @ 55 Degrees = 15,000

Pressure vs. Time







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67230 **DST#: 5**
Test Start: 2021.05.11 @ 19:28:11

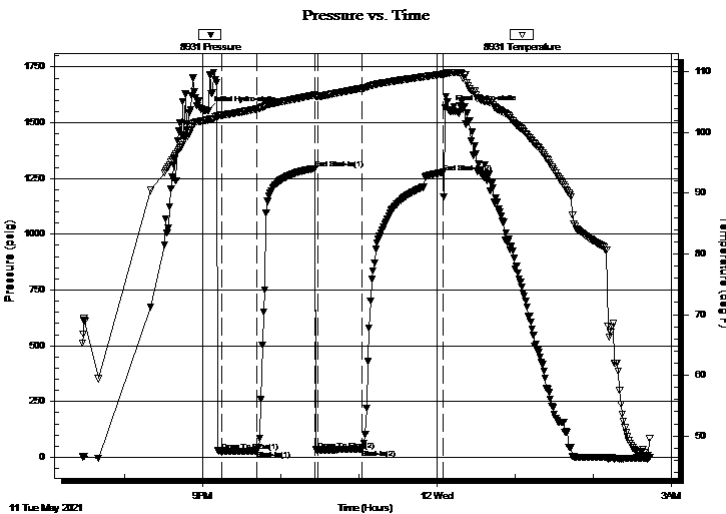
GENERAL INFORMATION:

Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 21:14:41 Tester: Matt Smith
Time Test Ended: 02:42:56 Unit No: 68
Interval: 3291.00 ft (KB) To 3299.00 ft (KB) (TVD) Reference Elevations: 1374.00 ft (KB)
Total Depth: 3299.00 ft (KB) (TVD) 1365.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8931 Inside
Press@RunDepth: 36.92 psig @ 3292.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.05.11 End Date: 2021.05.12 Last Calib.: 2021.05.12
Start Time: 19:28:16 End Time: 02:42:55 Time On Btm: 2021.05.11 @ 21:03:56
Time Off Btm: 2021.05.12 @ 00:08:56

TEST COMMENT: IF: Weak Blow . Built to 1.41".
IS: No Blow .
FF: Weak Blow . Built to .31".
FS: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.95	102.04	Initial Hydro-static
11	28.49	102.83	Open To Flow (1)
38	29.52	103.87	Shut-In(1)
83	1295.07	106.17	End Shut-In(1)
85	33.22	105.92	Open To Flow (2)
119	36.92	107.26	Shut-In(2)
181	1277.32	109.60	End Shut-In(2)
185	1556.84	109.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	GV/SOWCM 1%g 3%o 2%w 94%m	0.24

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp
123 N Main
P.O. Box 377
Attica Ks. 67009
ATTN: Kent Roberts

11-26s-2e Sedgwick Co., Ks
Erdwien #2-A
Job Ticket: 67230 **DST#: 5**
Test Start: 2021.05.11 @ 19:28:11

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	2000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: 2000.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	GVSOWCM 1%g 3%o 2%w 94%m	0.236

Total Length: 31.00 ft Total Volume: 0.236 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: NONE
 Laboratory Name: Laboratory Location:
 Recovery Comments:

