

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) (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	BUSENITZ 2-28
Doc ID	1673549

All Electric Logs Run

CDL-CNL
DIL
MEL
CBL

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



Cement or Acid Field Report
 Ticket No. 6717
 Foreman Russell McCoy
 Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
10-12-22	1358	Busenitz 2-20	20	24	3	Butler	KS	
Customer AGU Corporation			Unit #		Driver		Unit #	
Mailing Address 123 N. Main			105		JASON			
City Attica					SHANNON			
State KS		Zip Code 67009		Safety Meeting Rm J. Haire Shannon				

Job Type Surface Hole Depth 224 KB Slurry Vol. 33 Tubing _____
 Casing Depth 210 G.L. Hole Size 12 1/4 Slurry Wt. 15[#] Drill Pipe _____
 Casing Size & Wt. 8 5/8 23[#] Cement Left in Casing 20 +/- Water Gal/SK 6.5 Other _____
 Displacement 13 Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety + Job Procedure, Rig To 8 5/8 Break circulation w/ 10 Bbl Fresh water. Mix 135 SK's class A cement w/ 3% CACL2 2% Gel 1/4" Floccul @ 15[#] gallon yield 1.35 = 33 Bbl Slurry. Displace w/ 13 Bbl water, shut down close casing in. 3 Bbl Slurry to Pit. Job complete, Tear Down.

Thank you
 Russell McCoy

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-101	1	Pump Charge	950.00	950.00
C-107	40	Mileage	5.00	200.00
C-200	135	SK's class A cement	18.55	2504.25
C-205	380 [#]	CACL2 = 3%	.75	285.00
C-206	250 [#]	Gel = 2%	.30	75.00
C-209	34 [#]	Floccul 1/4" Per/SK	2.80	95.20
C-108 B	6.34	Ton mileage 40 miles	1.50	427.95
			Sub Total	4537.40
			Less 5%	236.49
			Sales Tax	192.36
Authorization <u>By Judd Gulick</u> Title <u>C+G Tool Pusher</u>			Total	4493.27

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. 6770
 Foreman David Gardner
 Camp Eureka

API # 15-015-24177

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
10-18-22	1358	Busenitz # 2-28	28	24 S.	3E.	Butler	KS
Customer			Unit #	Driver	Unit #	Driver	
AGV Corporation			105	Jason			
Mailing Address			Safety Meeting				
123 N. Main			DG	JH			
			DK				
City	State	Zip Code					
Attica	KS	67009					

Job Type Longstring Hole Depth 2930' K.B. Slurry Vol. 43 Bbl Tubing _____
 Casing Depth 2917.62' = 1' Above G.L. Hole Size 7 7/8" Slurry Wt. 13.8# Drill Pipe _____
 Casing Size & Wt. 5 1/2" 14# Cement Left in Casing 42.91' S.S. Water Gal/SK _____ Other _____
 Displacement 72 Bbl Displacement PSI 1300 Bump Plug to 1700 PSI BPM _____

Remarks: Safety Meeting: 5 1/2" 14# used casing set @ 2917.62' = 1' Above G.L. Rig up to 5 1/2" casing w/ Rotating Head assembly. Break circulation w/ 15 Bbl fresh water. Mixed 130 SKS Thick Set Cement w/ 5# Kolseal/SK, 2# Phenoseal/SK, 1/8% CFL-115 @ 13.8#/gal, yield 1.85 = 43 Bbl slurry. Wash out pump & lines. Shut down. Release Latch Down plug. Start Rotating casing. Displace plug to seat w/ 72 Bbl fresh water. (KCL in 1st 40 Bbl) Stop Rotating. Final pumping pressure of 1300 PSI. Bump plug to 1700 PSI. Good circulation @ all times while cementing. Release pressure after 2 mins. Float & Plug held. Job complete. Rig down.

Plug R.H. w/ 20 SKS + M.H. w/ 15 SKS
Centralizers on #1, 2, 3, 4, 5, 6, 7, 8, 11, 13 Baskets on top of # 2 + 11

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1180.00	1180.00
C107	50	Mileage	5.00	250.00
C201	165 SKS	Thick Set Cement	24.25	4001.25
C207	825#	Kolseal 5#/SK	.56	462.00
C208	330#	Phenoseal 2#/SK	1.55	511.50
C211	30#	CFL-115 1/8%	12.95	388.50
C1088	9.07 Tons	Ton Mileage - 50 Miles	1.50	680.25
K691	1	5 1/2" Guide Shoe	207.00	207.00
C674	1	5 1/2" AFU Float Collar w/ Latch Down Insert	423.00	423.00
C421	1	5 1/2" Latch Down Plug	285.00	285.00
C604	2	5 1/2" Cement Baskets	278.00	556.00
C504	10	5 1/2" x 7 7/8" Centralizers	59.00	590.00
C781	1	5 1/2" Stop Collar	37.00	37.00
C112	1	Rotating Cement Swivel	115.00	115.00
C222	2 1/2 Gals.	KCL (in 1st 40 Bbl Displacement water)	32.00	80.00
<u>Thank You</u>			Sub Total	9,766.50
			Less 5%	513.21
			Sales Tax 6.5%	497.66
			Total	9,750.95

Authorization Kurt Rohlf Title _____

Total 9,750.95

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.



DRILL STEM TEST REPORT

Prepared For: **AGV Corporation**

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

Busenitz #2-28

28-24S-3E Butler,KS

Start Date: 2022.10.13 @ 17:10:00

End Date: 2022.10.13 @ 22:24:02

Job Ticket #: 69557 DST #: 1

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

Printed: 2022.10.17 @ 16:08:23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69557

DST#: 1

ATTN: Kent Roberts

Test Start: 2022.10.13 @ 17:10:00

GENERAL INFORMATION:

Formation: **Indian Cave**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:44:32

Time Test Ended: 22:24:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 72

Interval: 862.00 ft (KB) To 883.00 ft (KB) (TVD)

Reference Elevations: 1387.00 ft (KB)

Total Depth: 883.00 ft (KB) (TVD)

1378.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6752 Inside

Press@RunDepth: 262.77 psig @ 868.00 ft (KB)

Capacity: psig

Start Date: 2022.10.13

End Date: 2022.10.13

Last Calib.: 2022.10.13

Start Time: 17:10:01

End Time: 22:24:02

Time On Btm: 2022.10.13 @ 18:43:32

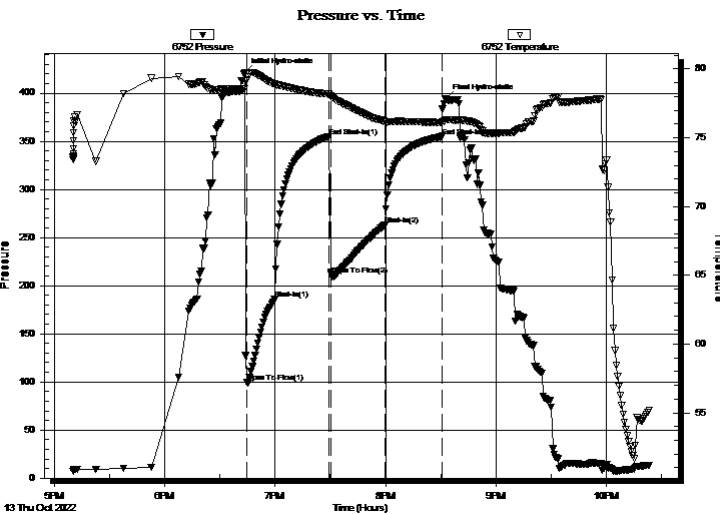
Time Off Btm: 2022.10.13 @ 20:32:47

TEST COMMENT: IF: Strong Blow , BOB in 10 seconds, Built to 88.72"

IS: Blow Back Built to 4.99"

FF: Strong Blow , BOB in 30 seconds, Built to 66.26", Gas Sensor Detected Gas @ 25 minutes, Caught Sample

FS: Surface Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	420.89	78.56	Initial Hydro-static
1	99.97	79.20	Open To Flow (1)
16	185.72	78.91	Shut-In(1)
46	354.80	78.17	End Shut-In(1)
47	211.42	78.01	Open To Flow (2)
76	262.77	76.17	Shut-In(2)
108	355.14	76.13	End Shut-In(2)
110	394.33	76.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
247.00	Water	1.21
207.00	GMCW 10%G 20%M 70%W	1.77

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

AGV Corporation
 PO Box 377
 Attica, KS 67009
 ATTN: Kent Roberts

28-24S-3E Butler, KS
Busenitz #2-28
 Job Ticket: 69557 **DST#: 1**
 Test Start: 2022.10.13 @ 17:10:00

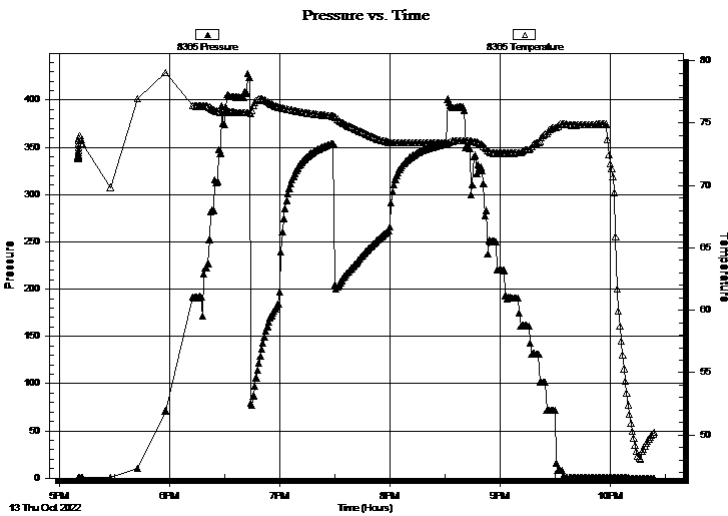
GENERAL INFORMATION:

Formation: **Indian Cave**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:44:32 Tester: Leal Cason
 Time Test Ended: 22:24:02 Unit No: 72
Interval: 862.00 ft (KB) To 883.00 ft (KB) (TVD) Reference Elevations: 1387.00 ft (KB)
 Total Depth: 883.00 ft (KB) (TVD) 1378.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8365 Outside

Press@RunDepth: psig @ 868.00 ft (KB) Capacity: psig
 Start Date: 2022.10.13 End Date: 2022.10.13 Last Calib.: 2022.10.13
 Start Time: 17:10:01 End Time: 22:24:02 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 10 seconds, Built to 88.72"
 IS: Blow Back Built to 4.99"
 FF: Strong Blow , BOB in 30 seconds, Built to 66.26", Gas Sensor Detected Gas @ 25 minutes, Caught Sample
 FS: Surface Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
247.00	Water	1.21
207.00	GMCW 10%G 20%M 70%W	1.77

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69557

DST#: 1

ATTN: Kent Roberts

Test Start: 2022.10.13 @ 17:10:00

Tool Information

Drill Pipe:	Length: 472.00 ft	Diameter: 3.80 inches	Volume: 6.62 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 371.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 8.44 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	862.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			838.00	
Hydraulic tool	5.00			843.00	
Jars	5.00			848.00	
EM Tool	3.00			851.00	
Safety Joint	2.00			853.00	
Packer	5.00			858.00	29.00 Bottom Of Top Packer
Packer	4.00			862.00	
Stubb	1.00			863.00	
Handling Sub	5.00			868.00	
Recorder	0.00	6752	Inside	868.00	
Recorder	0.00	8365	Outside	868.00	
Perforations	12.00			880.00	
Bullnose	3.00			883.00	21.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69557

DST#: 1

ATTN: Kent Roberts

Test Start: 2022.10.13 @ 17:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
247.00	Water	1.215
207.00	GMCW 10%G 20%M 70%W	1.774

Total Length: 454.00 ft Total Volume: 2.989 bbl

Num Fluid Samples: 1

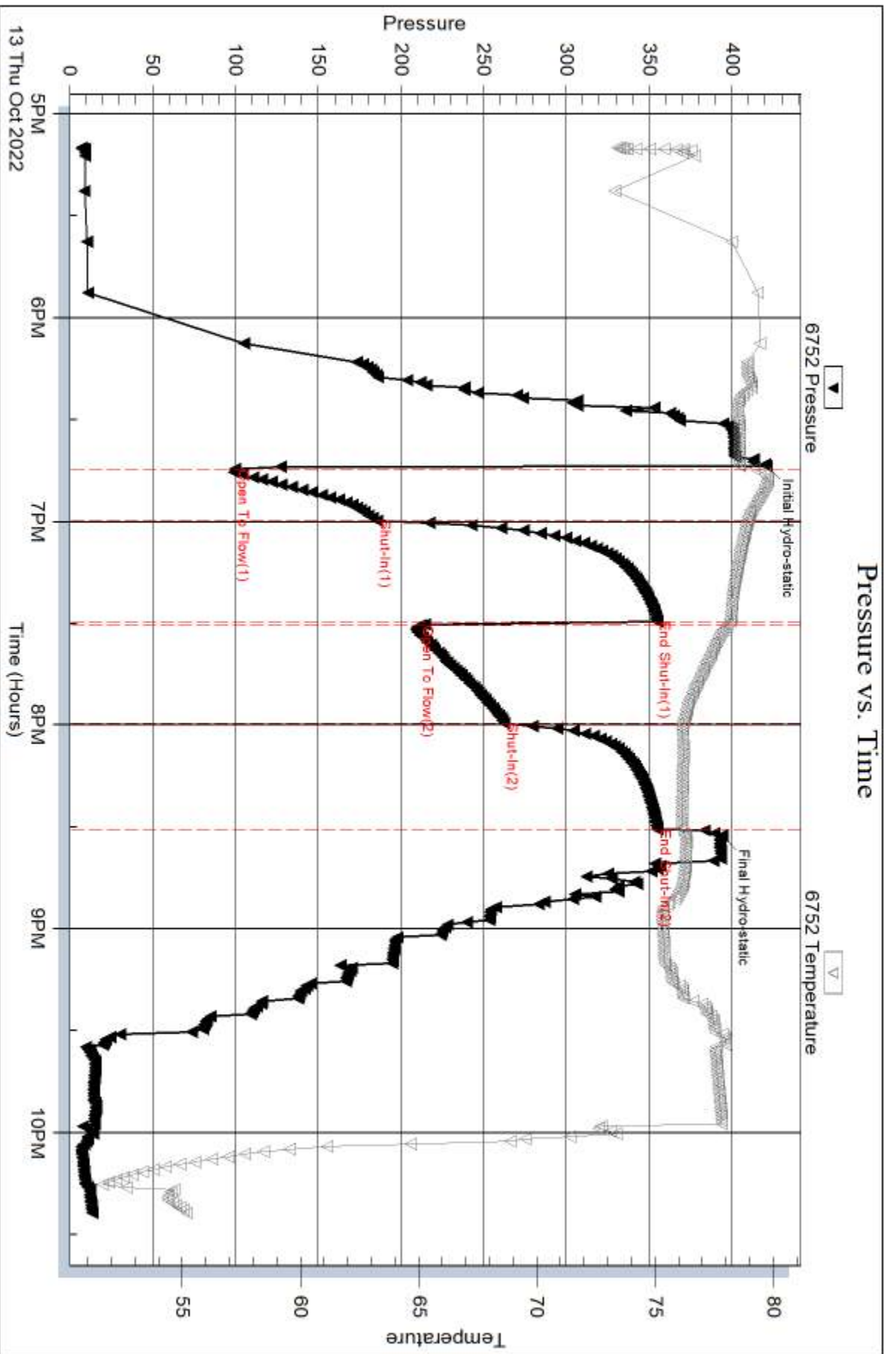
Num Gas Bombs: 1

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .15 @ 74 degrees

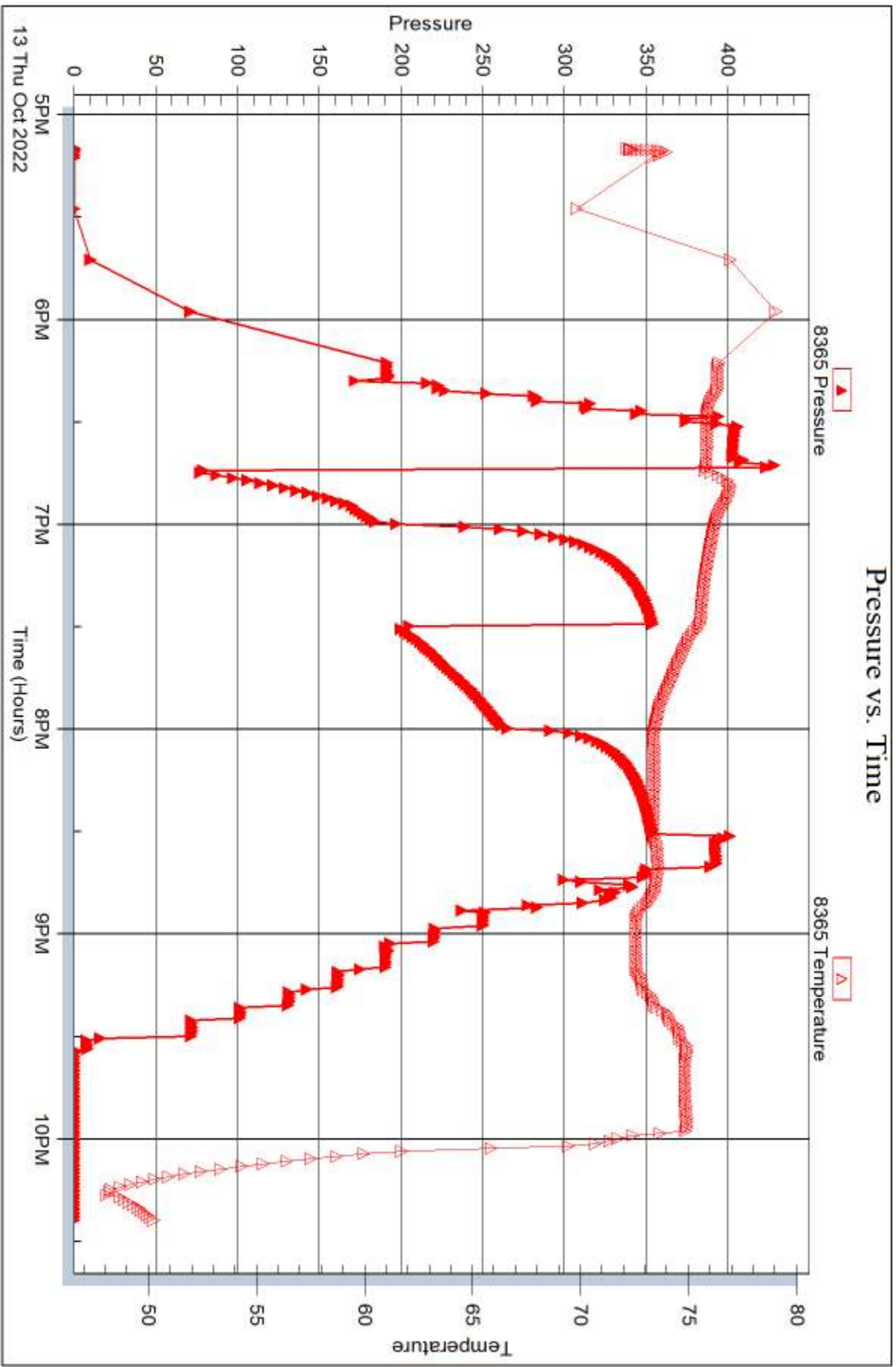


Serial #: 8365

Outside AGV Corporation

Busenitz #2-28

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **AGV Corporation**

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

Busenitz #2-28

28-24S-3E Butler,KS

Start Date: 2022.10.16 @ 01:56:00

End Date: 2022.10.16 @ 10:24:02

Job Ticket #: 69558 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.17 @ 16:07:46



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69558

DST#: 2

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 01:56:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:57:32
 Time Test Ended: 10:24:02
 Interval: **2774.00 ft (KB) To 2792.00 ft (KB) (TVD)**
 Total Depth: 2792.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 72
 Reference Elevations: 1387.00 ft (KB)
 1378.00 ft (CF)
 KB to GR/CF: 9.00 ft

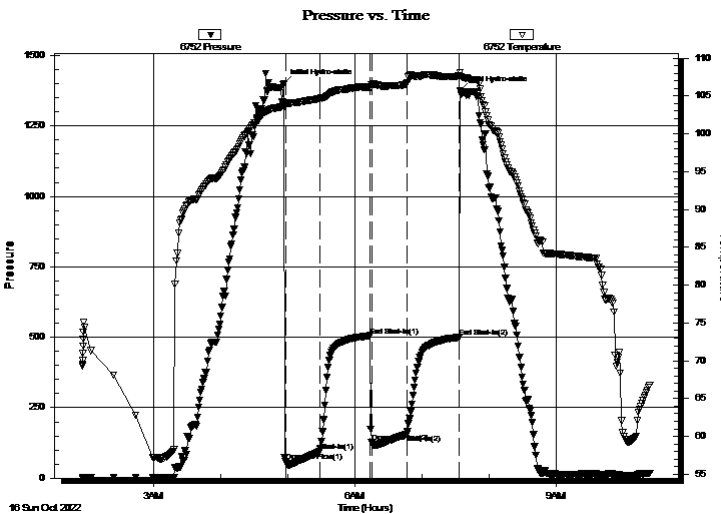
Serial #: 6752

Inside

Press@RunDepth: 156.14 psig @ 2780.00 ft (KB) Capacity: psig
 Start Date: 2022.10.16 End Date: 2022.10.16 Last Calib.: 2022.10.16
 Start Time: 01:56:01 End Time: 10:24:02 Time On Btm: 2022.10.16 @ 04:56:17
 Time Off Btm: 2022.10.16 @ 07:33:47

TEST COMMENT: IF: Strong Blow , BOB in 10 minutes, Built to 39.29"
 IS: Blow Back Built to 1.09"
 FF: Fair Blow , BOB in 14 minutes, Built to 27.96"
 FS: Blow Back Built to .69"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1401.50	103.81	Initial Hydro-static
2	58.52	103.79	Open To Flow (1)
32	94.19	104.65	Shut-In(1)
78	505.38	106.20	End Shut-In(1)
79	126.04	106.47	Open To Flow (2)
110	156.14	106.58	Shut-In(2)
157	499.59	107.62	End Shut-In(2)
158	1374.51	108.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	355 GIP	0.00
62.00	OCM 10%O 90%M	0.30
125.00	GOCM 10%G 20%O 70%M	0.61
124.00	GOCM 20%G 40%O 40%M	0.61
15.00	GMCO 10%G 12%M 78%O	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69558

DST#: 2

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 01:56:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:57:32

Time Test Ended: 10:24:02

Interval: **2774.00 ft (KB) To 2792.00 ft (KB) (TVD)**

Total Depth: 2792.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Reference Elevations: 1387.00 ft (KB)

1378.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8365

Outside

Press@RunDepth: psig @ 2780.00 ft (KB)

Start Date: 2022.10.16

End Date:

2022.10.16

Start Time: 01:56:01

End Time:

10:24:02

Capacity: psig

Last Calib.:

2022.10.16

Time On Btm:

Time Off Btm:

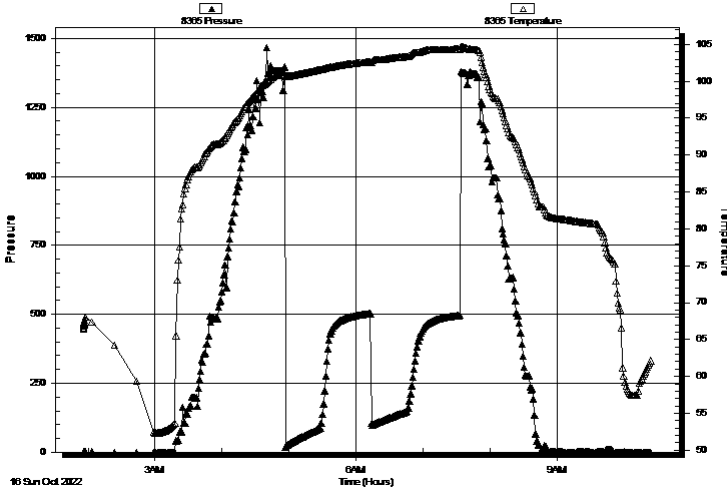
TEST COMMENT: IF: Strong Blow, BOB in 10 minutes, Built to 39.29"

IS: Blow Back Built to 1.09"

FF: Fair Blow, BOB in 14 minutes, Built to 27.96"

FS: Blow Back Built to .69"

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	355 GIP	0.00
62.00	OCM 10%O 90%M	0.30
125.00	GOCM 10%G 20%O 70%M	0.61
124.00	GOCM 20%G 40%O 40%M	0.61
15.00	GMCO 10%G 12%M 78%O	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69558

DST#: 2

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 01:56:00

Tool Information

Drill Pipe:	Length: 2393.00 ft	Diameter: 3.80 inches	Volume: 33.57 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 371.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 35.39 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	2774.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2750.00	
Hydraulic tool	5.00			2755.00	
Jars	5.00			2760.00	
EM Tool	3.00			2763.00	
Safety Joint	2.00			2765.00	
Packer	5.00			2770.00	29.00 Bottom Of Top Packer
Packer	4.00			2774.00	
Stubb	1.00			2775.00	
Handling Sub	5.00			2780.00	
Recorder	0.00	6752	Inside	2780.00	
Recorder	0.00	8365	Outside	2780.00	
Perforations	9.00			2789.00	
Bullnose	3.00			2792.00	18.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69558

DST#: 2

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 01:56:00

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:

ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	355 GIP	0.000
62.00	OCM 10%O 90%M	0.305
125.00	GOCM 10%G 20%O 70%M	0.615
124.00	GOCM 20%G 40%O 40%M	0.610
15.00	GMCO 10%G 12%M 78%O	0.074

Total Length: 326.00 ft

Total Volume: 1.604 bbl

Num Fluid Samples: 0

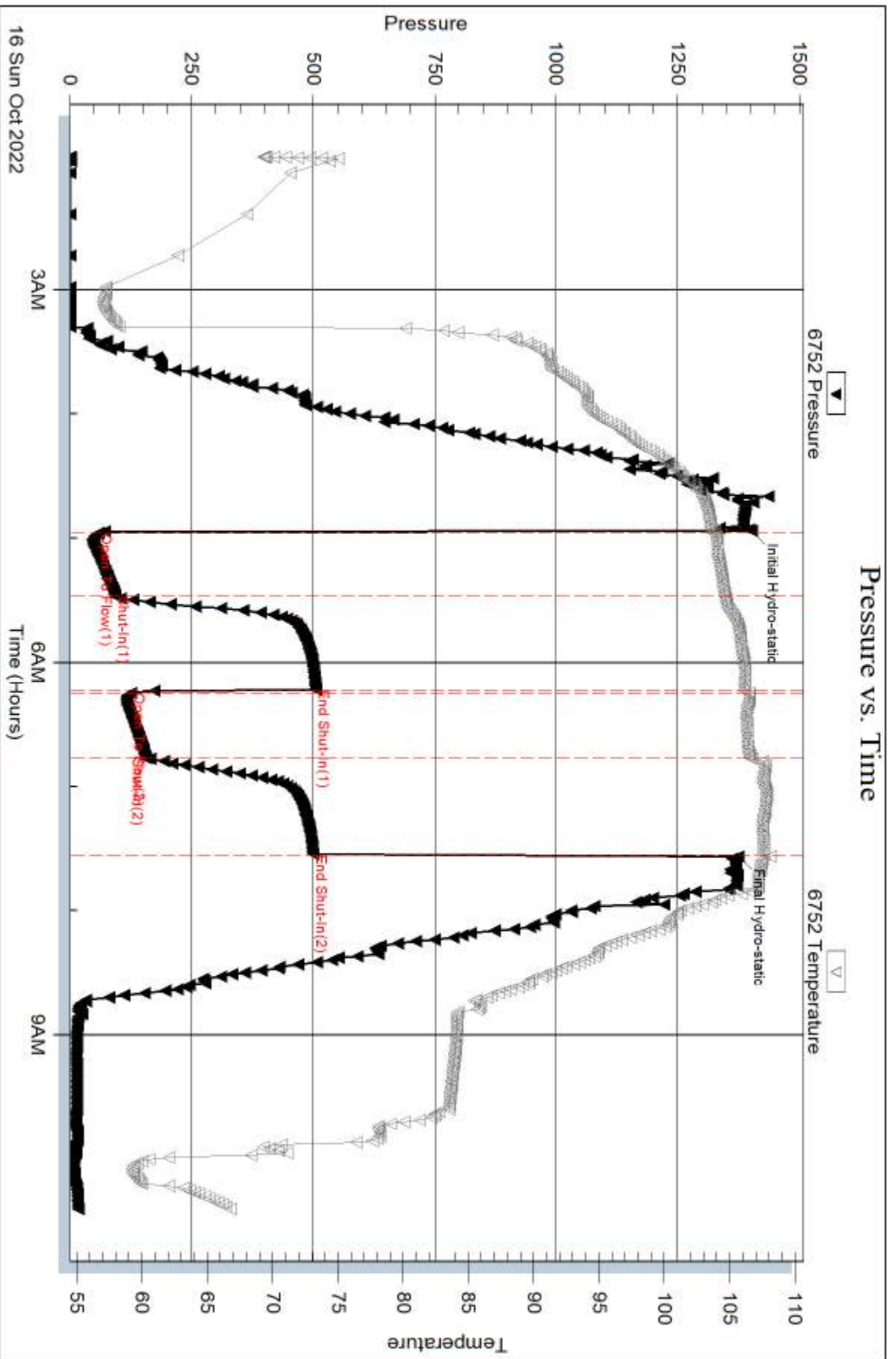
Num Gas Bombs: 0

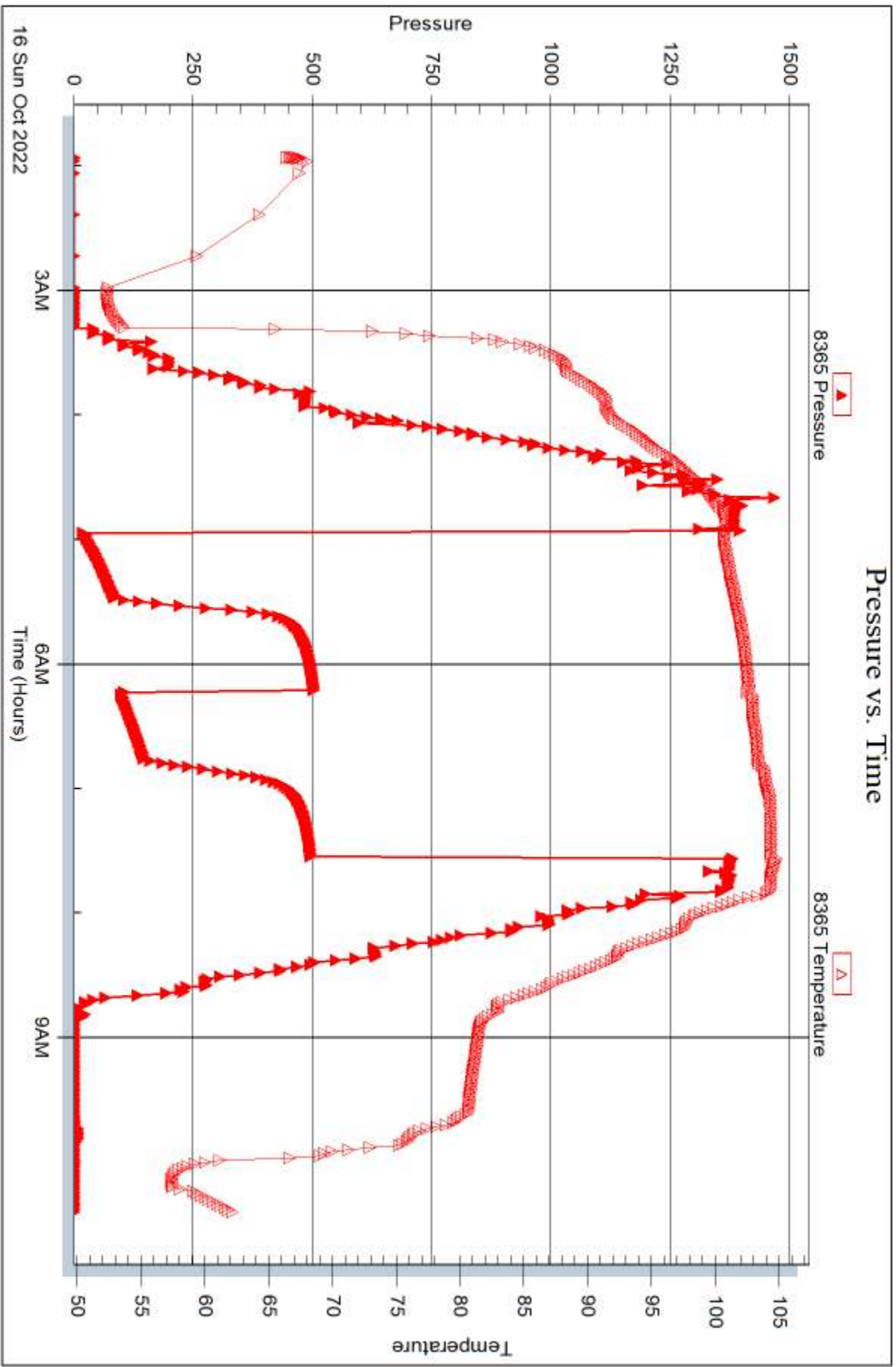
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **AGV Corporation**

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

Busenitz #2-28

28-24S-3E Butler,KS

Start Date: 2022.10.16 @ 18:20:00

End Date: 2022.10.17 @ 00:58:02

Job Ticket #: 69559 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.17 @ 16:11:22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69559

DST#: 3

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 18:20:00

GENERAL INFORMATION:

Formation: **Mississpi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:33:02

Time Test Ended: 00:58:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: 2804.00 ft (KB) To 2818.00 ft (KB) (TVD)

Reference Elevations: 1387.00 ft (KB)

Total Depth: 2818.00 ft (KB) (TVD)

1378.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6752 Inside

Press@RunDepth: 62.79 psig @ 2810.00 ft (KB)

Capacity: psig

Start Date: 2022.10.16

End Date:

2022.10.17

Last Calib.: 2022.10.17

Start Time: 18:20:01

End Time:

00:58:02

Time On Btm: 2022.10.16 @ 20:31:02

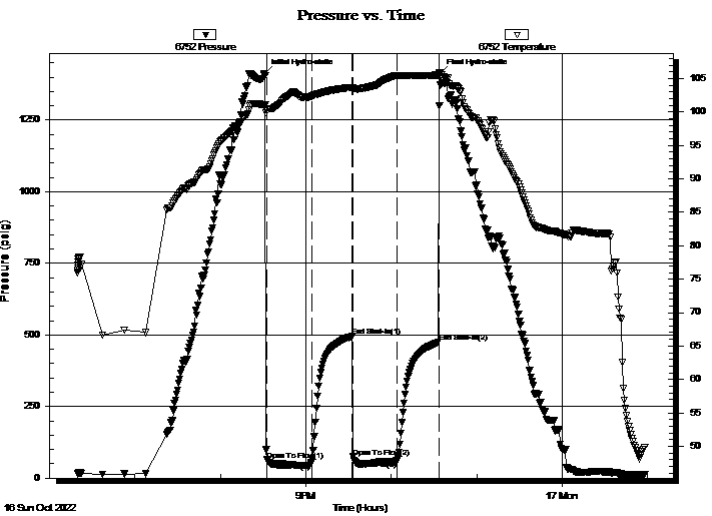
Time Off Btm: 2022.10.16 @ 22:34:02

TEST COMMENT: IF: Weak Blow , Built to 1.45"

IS: No Blow Back

FF: No Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1412.75	101.08	Initial Hydro-static
2	63.96	100.52	Open To Flow (1)
33	55.42	102.34	Shut-In(1)
62	494.69	103.64	End Shut-In(1)
62	73.99	103.60	Open To Flow (2)
93	62.79	105.46	Shut-In(2)
123	474.69	105.55	End Shut-In(2)
123	1413.76	105.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOSM 1%O 99%M	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69559

DST#: 3

ATTN: Kent Roberts

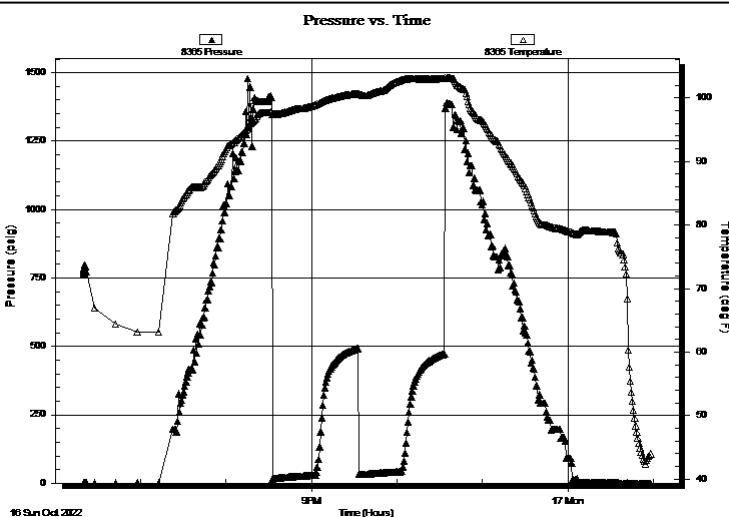
Test Start: 2022.10.16 @ 18:20:00

GENERAL INFORMATION:

Formation: **Mississpi**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 20:33:02 Tester: Leal Cason
Time Test Ended: 00:58:02 Unit No: 72
Interval: 2804.00 ft (KB) To 2818.00 ft (KB) (TVD) Reference Elevations: 1387.00 ft (KB)
Total Depth: 2818.00 ft (KB) (TVD) 1378.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8365 Outside
Press@RunDepth: psig @ 2810.00 ft (KB) Capacity: psig
Start Date: 2022.10.16 End Date: 2022.10.17 Last Calib.: 2022.10.17
Start Time: 18:20:01 End Time: 00:58:02 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 1.45"
IS: No Blow Back
FF: No Blow
FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOSM 1%O 99%M	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69559

DST#: 3

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 18:20:00

Tool Information

Drill Pipe:	Length: 2424.00 ft	Diameter: 3.80 inches	Volume: 34.00 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 371.00 ft	Diameter: 2.25 inches	Volume: 1.82 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 35.82 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	2804.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2780.00	
Hydraulic tool	5.00			2785.00	
Jars	5.00			2790.00	
EM Tool	3.00			2793.00	
Safety Joint	2.00			2795.00	
Packer	5.00			2800.00	29.00 Bottom Of Top Packer
Packer	4.00			2804.00	
Stubb	1.00			2805.00	
Handling Sub	5.00			2810.00	
Recorder	0.00	6752	Inside	2810.00	
Recorder	0.00	8365	Outside	2810.00	
Perforations	5.00			2815.00	
Bullnose	3.00			2818.00	14.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

28-24S-3E Butler, KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69559

DST#: 3

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 18:20:00

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:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	SOSM 1%O 99%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

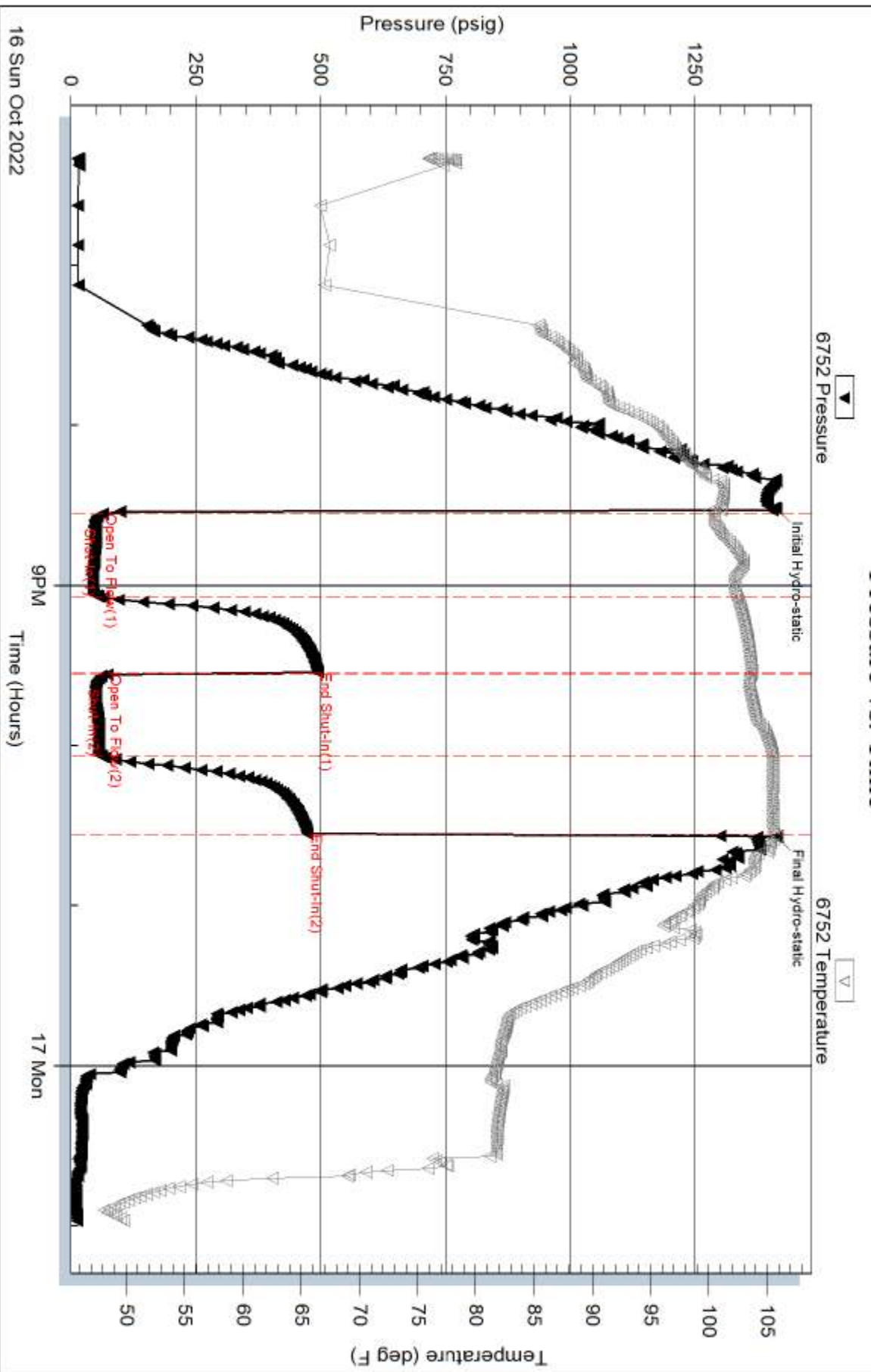
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

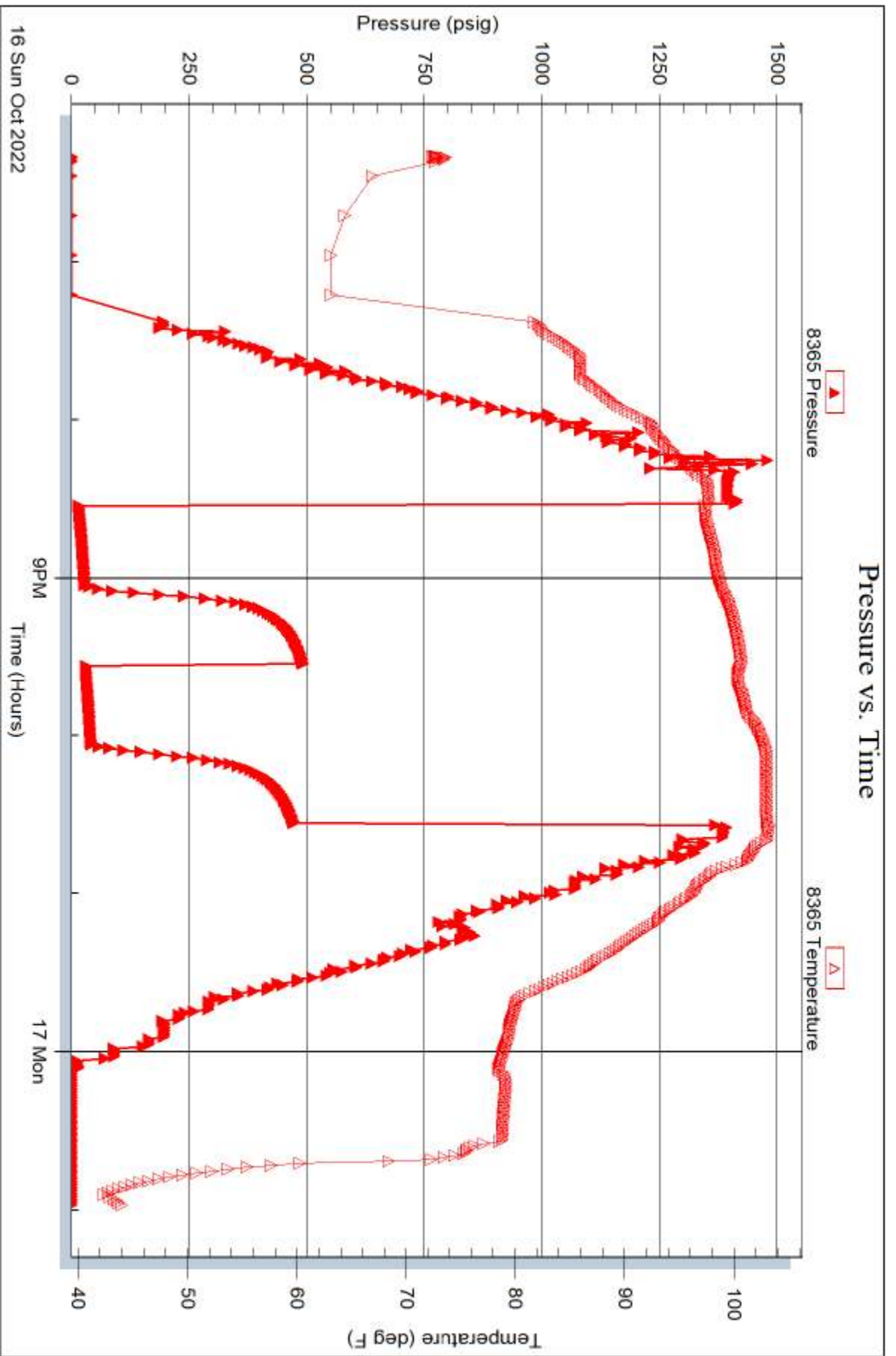


Serial #: 8365

Outside AGV Corporation

Busenitz #2-28

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 69559

Printed: 2022.10.17 @ 16:11:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69557

Well Name & No. Busenitz 2-28 Test No. 1 Date 10/13/22
 Company AGV Corporation Elevation 1387 KB 1378 GL
 Address PO Box 377 Attica, KS 67009
 Co. Rep / Geo. Kent Roberts Rig C+G 3
 Location: Sec. 28 Twp 24S Rge. 3E Co. Butler State KS

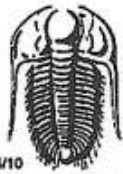
Interval Tested 862 - 883 Zone Tested Indian cave
 Anchor Length 21 Drill Pipe Run 472 Mud Wt. 9.1
 Top Packer Depth 877 Drill Collars Run 371 Vis 59
 Bottom Packer Depth 862 Wt. Pipe Run 0 WL NIC
 Total Depth 883 Chlorides NIC ppm System LCM 1

Blow Description IF: Strong Blow, BOB in 10 seconds, Built to 82.72"
ISI: Blow Back Built to 4.99"
FF: Strong Blow, BOB in 30 seconds, Built to 66.26", Gas sensor detected Gas @ 25 minutes, Same

Rec	Feet of	%gas	%oil	%water	%mud
<u>207</u>	<u>GMCW</u>	<u>10</u>		<u>70</u>	<u>20</u>
<u>247</u>	<u>Water</u>				
Rec Total	<u>454</u>	BHT <u>281</u>	Gravity <u>NIC</u>	API RW <u>.15</u> @ <u>74</u> ° F	Chlorides <u>48000</u> ppm

(A) Initial Hydrostatic 421 Test 1800 T-On Location 11:00
 (B) First Initial Flow 100 Jars 300 T-Started 17:10
 (C) First Final Flow 186 Safety Joint _____ T-Open 18:44
 (D) Initial Shut-In 355 Circ Sub _____ T-Pulled 20:30
 (E) Second Initial Flow 211 Hourly Standby _____ T-Out 22:24
 (F) Second Final Flow 263 Mileage 220 ³³⁰ Comments _____
 (G) Final Shut-In 355 Sampler _____
 (H) Final Hydrostatic 394 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 15 Day Standby _____ Sub Total 0
 Initial Shut-In 30 Accessibility _____ Total 2430
 Final Flow 30 Sub Total 2430 MP/DST Disc't _____
 Final Shut-In 30 Sub Total 2430

Approved By Kent Roberts Our Representative [Signature]
 TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69558

Well Name & No. Busenitz 2-28 Test No. 2 Date 10/16/22
 Company AGV corporation Elevation 1387 KB 1378 GL
 Address PO BOX 377 Attica, KS 67009
 Co. Rep / Geo. Kent Roberts Rig C+G 3
 Location: Sec. 28 Twp 24S Rge. 3E Co. Butler State KS

Interval Tested 2774 - 2792 Zone Tested Mississippi
 Anchor Length 18 Drill Pipe Run 2393 Mud Wt. 9.6
 Top Packer Depth 2769 Drill Collars Run 371 Vls 40
 Bottom Packer Depth 2774 Wt. Pipe Run 0 WL 10.0
 Total Depth 2792 Chlorides 3000 ppm System LCM 1/2

Blow Description IF: Strong Blow, BOB in 10 minutes, Built to 39.29"
ISI: Blow Back Built to 1.09"
FF: Fair Blow, BOB in 14 minutes, Built to 27.96"
FSI: Blow Back Built to .69"

Rec	Feet of	%gas	%oil	%water	%mud
<u>355</u>	<u>GIP</u>				
<u>15</u>	<u>GMCO</u>	<u>10</u>	<u>78</u>		<u>12</u>
<u>124</u>	<u>GOCM</u>	<u>20</u>	<u>40</u>		<u>40</u>
<u>125</u>	<u>GOCM</u>	<u>10</u>	<u>20</u>		<u>70</u>
<u>62</u>	<u>OCM</u>		<u>10</u>		<u>90</u>

Rec Total 326 BHT 108 Gravity N/C API RW N/C @ N/C F Chlorides N/C ppm

(A) Initial Hydrostatic 1401 Test 1800 T-On Location 00:45
 (B) First Initial Flow 58 Jars 300 T-Started 01:56
 (C) First Final Flow 94 Safety Joint _____ T-Open 04:57
 (D) Initial Shut-In 505 Circ Sub _____ T-Pulled 07:33
 (E) Second Initial Flow 126 Hourly Standby _____ T-Out 10:24
 (F) Second Final Flow 156 Mileage 220 330 Comments Motel
 (G) Final Shut-In 499 Sampler _____
 (H) Final Hydrostatic 1374 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby 2d 1.75h Sub Total 858.33
 Initial Shut-In 45 Accessibility _____ Total 3288.33
 Final Flow 30 Sub Total 2430 MP/DST Disc't _____
 Final Shut-In 45

Approved By Kent Roberts Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 69559

Well Name & No. Busenitz 2-28 Test No. 3 Date 10/16/22
 Company AGV Corporation Elevation 1387 KB 1378 GL
 Address PO Box 377 Attica, KS 67009
 Co. Rep / Geo. Kent Roberts Rig C+G 3
 Location: Sec. 28 Twp 24S Rge. 3E Co. Butler State KS

Interval Tested 2804 - 2818 Zone Tested Mississippi
 Anchor Length 14 Drill Pipe Run 2424 Mud Wt. 9.5
 Top Packer Depth 2799 Drill Collars Run 371 Vis 46
 Bottom Packer Depth 2804 Wt. Pipe Run 0 WL 9.2
 Total Depth 2818 Chlorides 2300 ppm System LCM

Blow Description IF: Weak Blow, Built to 145"
ISI: NO BLOW BACK
FF: NO BLOW
FSI: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>505M</u>		<u>1</u>		<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 105 Gravity NIC API RW NIC @ NIC F Chlorides NIC ppm

(A) Initial Hydrostatic 1413 Test 1800 T-On Location 17:45
 (B) First Initial Flow 64 Jars 300 T-Started 18:20
 (C) First Final Flow 55 Safety Joint _____ T-Open _____
 (D) Initial Shut-In 495 Circ Sub _____ T-Pulled 22:33
 (E) Second Initial Flow 79 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 63 Mileage 220 330 Comments Motel
 (G) Final Shut-In 475 Sampler _____
 (H) Final Hydrostatic 1414 Straddle _____ EM Tool _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Sub Total 2430 Total 2430 MP/DST Disc't _____

Approved By _____ Our Representative _____

TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

PLOTTED GEOLOGICAL LOG

WellSight Systems

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

Well Name: BUSENITZ # 2-28
Location: 1190' FSL & 1969' FEL of Sec.28-T24S-R3E
Licence Number: 15-015-24177-00-00
Spud Date: 10/12/2022
Surface Coordinates: NAD83
Lat: 37.930395 Long: -97.104227
Bottom Hole Vertical Well
Coordinates:
Ground Elevation (ft): 1378 K.B. Elevation (ft): 1387
Logged Interval (ft): 225' To: 2930' Total Depth (ft): 2930'
Formation: Mississippi
Type of Drilling Fluid: Chemical Mud by Mud-Co
Region: Butler Co., KS
Drilling Completed: 10/17/2022

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 #3

MUD TYPE: Chemical

DRILLING TIME KEPT FROM: 250' to RTD

SAMPLES SAVED FROM: 200 to 900 & 2300' to RTD

SAMPLES EXAMINED FROM: 200 to 900 & 2300' to RTD

GEOLOGICAL SUPERVISION FROM: 200 to 900 & 2300' to RTD

ELECTRICAL SURVEYS: ELI ran CDL/CNL, DIL, MEL

DAILY ACTIVITY @ 0700 HRS

10/12/2022

Spud well @ 12:00 AM. Cut 225' of 12-1/4" hole. Ran 5 jts new 8-5/8" x 23# casing tally 210.47' set at 223' KB. Elite cemented with 135 sacks Class A (2% gel, 3% CC, 1/4#/sack flo-seal @ 15 #/gal.) Plug down 12:30 PM. Cement did circulate.

****Some Fluid Loss while drilling surface hole****

10/13/2022

Depth 410'. Drilling ahead. Nipple up, Install BOP. Under Surface @ 3:45 AM

10/14/2022

Depth 1500', Drilling Ahead. Ran DST #1 @ 883'

10/15/2022

Depth 2360'. Drilling Ahead.

10/16/2022

Depth 2792'. On bottom with DST #2.

10/17/2022

Depth 2866'. Drilling Ahead,

10/18/2022

Depth 2925' RTD, Cementing 5-1/2 Production Casing.

CASING DATA

CONDUCTOR CASING: None

SURFACE CASING: 8-5/8" x 23# casing set at 223' KB

Cemented w/ 135 sacks, did circulate, plug down 12:30 PM 10/12/22

PRODUCTION : 71 jts 5-1/2 x 14# STC @ 2925' KB

Cemented w/ 130 sacks Thickset Plug down 9:00 AM 10/18/22

OPERATOR: AGV CORP.

WELL NAME: BUSENITZ #2-28

ELEV. G.L.= 1378

K.B.= 1387

FORMATION TOPS	Sample		E- Log	
INDIAN CAVE SAND	870	517	874	513
HEEBNER	1780	-393	1781	-394
LANSING	2063	-676	2061	-674
KANSAS CITY	2328	-941	2328	-941
BASE KANSAS CITY	2485	-1098	2485	-1098
MISSISSIPPI	2766	-1379	2756	-1369
MISSISSIPPI OSAGE	2867	-1480	2868	-1481
TOTAL DEPTH	2930	-1543	2930	-1543



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler,KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69557

DST#: 1

ATTN: Kent Roberts

Test Start: 2022.10.13 @ 17:10:00

GENERAL INFORMATION:

Formation: **Indian Cave**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 18:44:32

Time Test Ended: 22:24:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 72

Interval: **862.00 ft (KB) To 883.00 ft (KB) (TVD)**

Reference Elevations: 1387.00 ft (KB)

Total Depth: 883.00 ft (KB) (TVD)

1378.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6752

Inside

Press@RunDepth: 282.77 psig @ 888.00 ft (KB)

Capacity: psig

Start Date: 2022.10.13

End Date:

2022.10.13

Last Calib.: 2022.10.13

Start Time: 17:10:01

End Time:

22:24:02

Time On Btm: 2022.10.13 @ 18:43:32

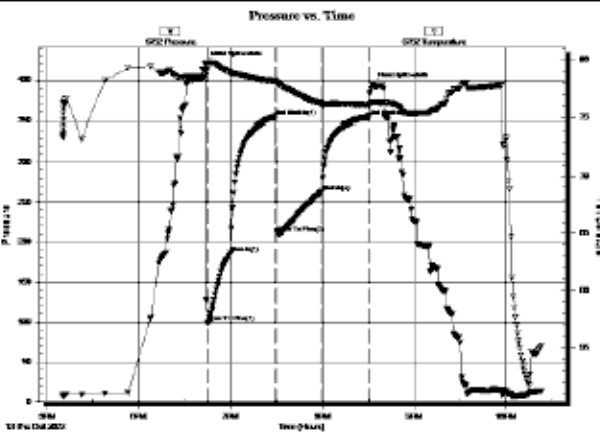
Time Off Btm: 2022.10.13 @ 20:32:47

TEST COMMENT: IF: Strong Blow, BOB in 10 seconds, Built to 88.72"

IS: Blow Back Built to 4.99"

FF: Strong Blow, BOB in 30 seconds, Built to 86.28", Gas Sensor Detected Gas @ 25 minutes, Caught Sample

FSt Surface Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	420.89	78.56	Initial Hydro-static
1	99.97	79.20	Open To Flow (1)
16	185.72	78.91	Shut-In(1)
46	354.80	78.17	End Shut-In(1)
47	211.42	78.01	Open To Flow (2)
76	282.77	78.17	Shut-In(2)
108	355.14	78.13	End Shut-In(2)
110	394.33	78.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
247.00	Water	1.21
207.00	GMCW 10%G 20%M 70%W	1.77

Gas Rates

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



DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler,KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 89558 DST#: 2

ATTN: Kent Roberts

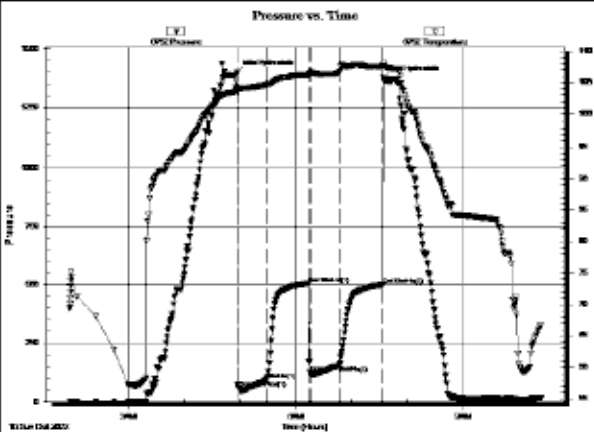
Test Start: 2022.10.16 @ 01:58:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 04:57:32 Tester: Leal Cason
 Time Test Ended: 10:24:02 Unit No: 72
 Interval: **2774.00 ft (KB) To 2792.00 ft (KB) (TVD)**
 Reference Elevations: 1387.00 ft (KB)
 Total Depth: 2792.00 ft (KB) (TVD) 1378.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GRVCF: 9.00 ft

Serial #: **6752** Inside
 Press@RunDepth: 158.14 psig @ 2780.00 ft (KB) Capacity: psig
 Start Date: 2022.10.16 End Date: 2022.10.16 Last Calib.: 2022.10.16
 Start Time: 01:58:01 End Time: 10:24:02 Time On Btrr: 2022.10.16 @ 04:58:17
 Time Off Btrr: 2022.10.16 @ 07:33:47

TEST COMMENT: IF: Strong Blow, BOB in 10 minutes, Built to 39.29"
 IS: Blow Back Built to 1.09"
 FF: Fair Blow, BOB in 14 minutes, Built to 27.99"
 FS: Blow Back Built to .89"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1401.50	103.81	Initial Hydro-static
2	58.52	103.79	Open To Flow (1)
32	94.19	104.85	Shut-in(1)
78	505.38	108.20	End Shut-in(1)
79	128.04	108.47	Open To Flow (2)
110	158.14	108.58	Shut-in(2)
157	499.59	107.62	End Shut-in(2)
158	1374.51	108.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	355 GIP	0.00
62.00	GOOM 10%O 80%M	0.30
125.00	GOOM 10%G 20%O 70%M	0.61
124.00	GOOM 20%G 40%O 40%M	0.61
15.00	GMCO 10%G 12%M 78%O	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corporation

28-24S-3E Butler,KS

PO Box 377
Attica, KS 67009

Busenitz #2-28

Job Ticket: 69559 **DST#: 3**

ATTN: Kent Roberts

Test Start: 2022.10.16 @ 18:20:00

GENERAL INFORMATION:

Formation: **Missisipi**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 20:33:02

Time Test Ended: 00:58:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 72

Interval: **2804.00 ft (KB) To 2818.00 ft (KB) (TVD)**

Reference Elevations: 1397.00 ft (KB)

Total Depth: 2818.00 ft (KB) (TVD)

1378.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6752

Inside

Press@RunDepth: 62.79 psig @ 2810.00 ft (KB)

Capacity: psig

Start Date: 2022.10.16

End Date:

2022.10.17

Last Calib.: 2022.10.17

Start Time: 18:20:01

End Time:

00:58:02

Time On Btrt: 2022.10.16 @ 20:31:02

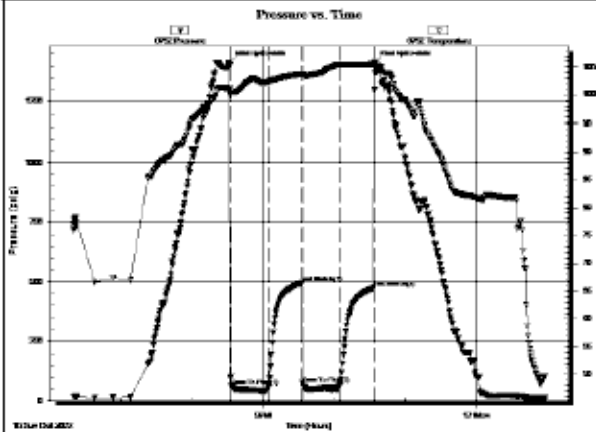
Time Off Btrt: 2022.10.16 @ 22:34:02

TEST COMMENT: IF: Weak Blow, Built to 1.45"

IS: No Blow Back

FF: No Blow

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1412.75	101.08	Initial Hydro-static
2	63.96	100.52	Open To Flow (1)
33	55.42	102.34	Shut-In(1)
62	494.69	103.64	End Shut-In(1)
62	73.99	103.60	Open To Flow (2)
93	62.79	105.46	Shut-In(2)
123	474.69	105.55	End Shut-In(2)
123	1413.76	105.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
5.00	SOSM 1%O 99%M	0.02

* Recovery from multiple tests

Gas Rates

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

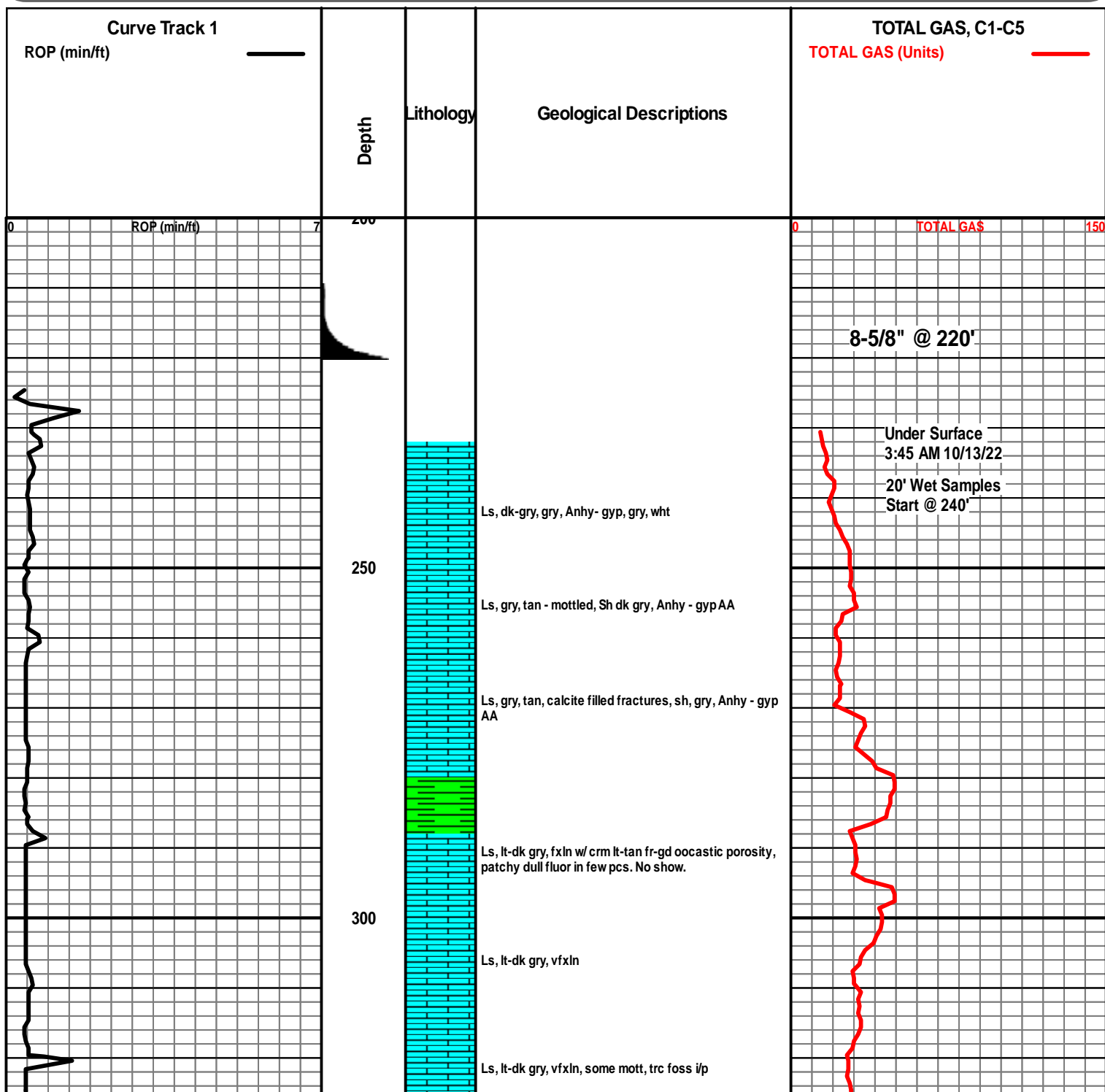
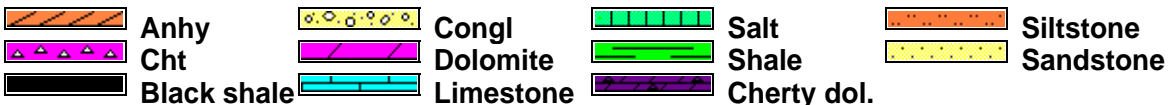
COMMENTS

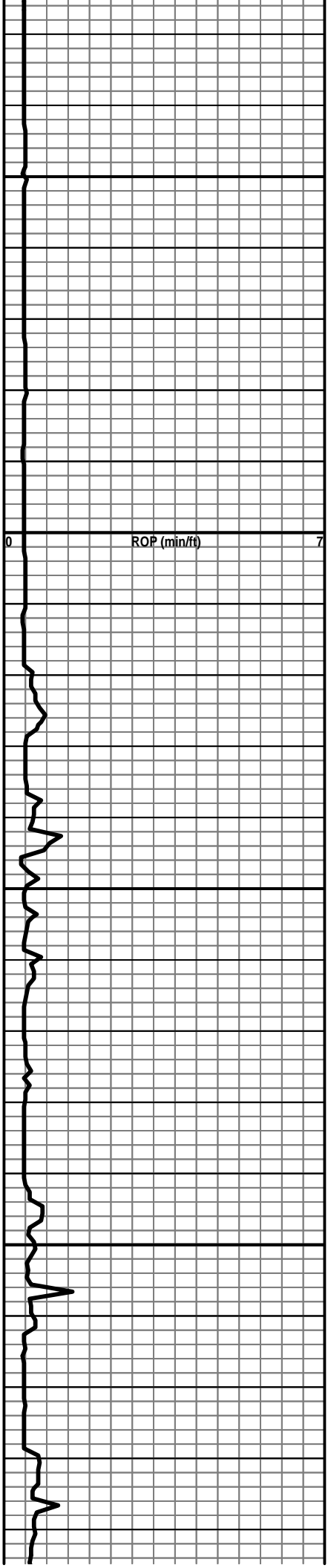
Based on sample analysis, positive DST results and electric log measurements it is recommended 5-1/2' casing be ran for completion in the Mississippi Dolomite.

Respectfully Submitted,

Kent Roberts
Geologist

ROCK TYPES



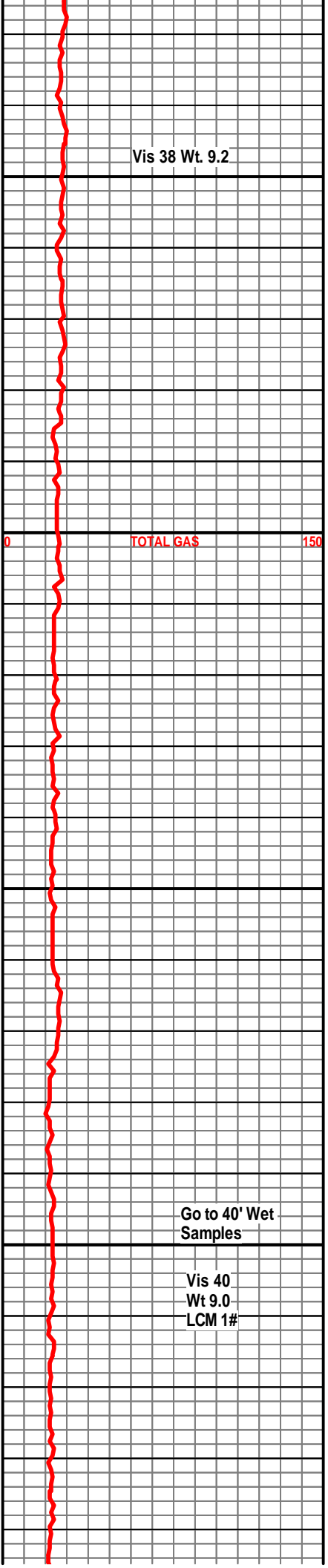
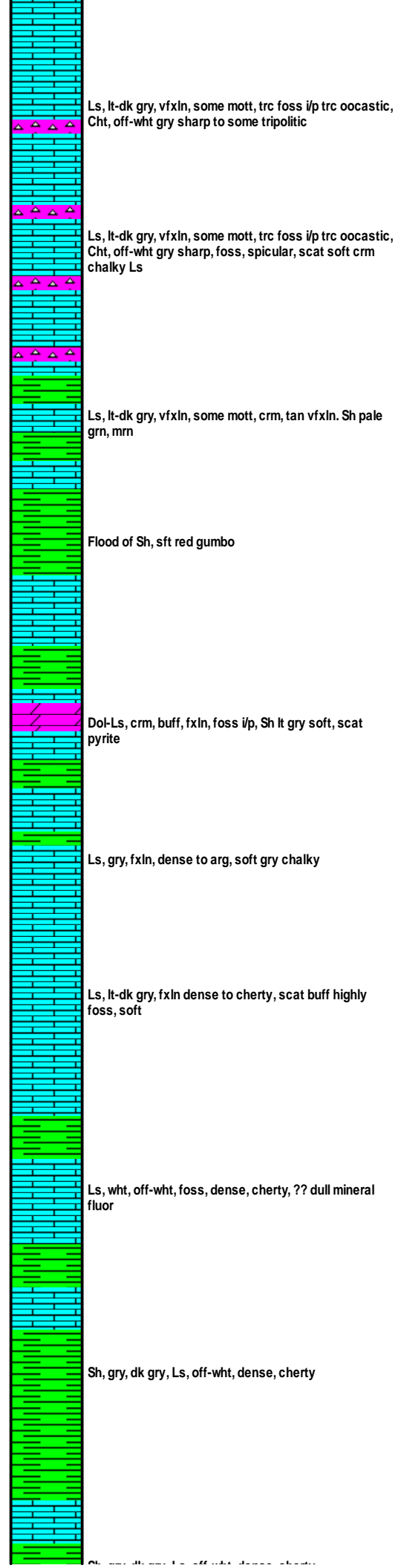


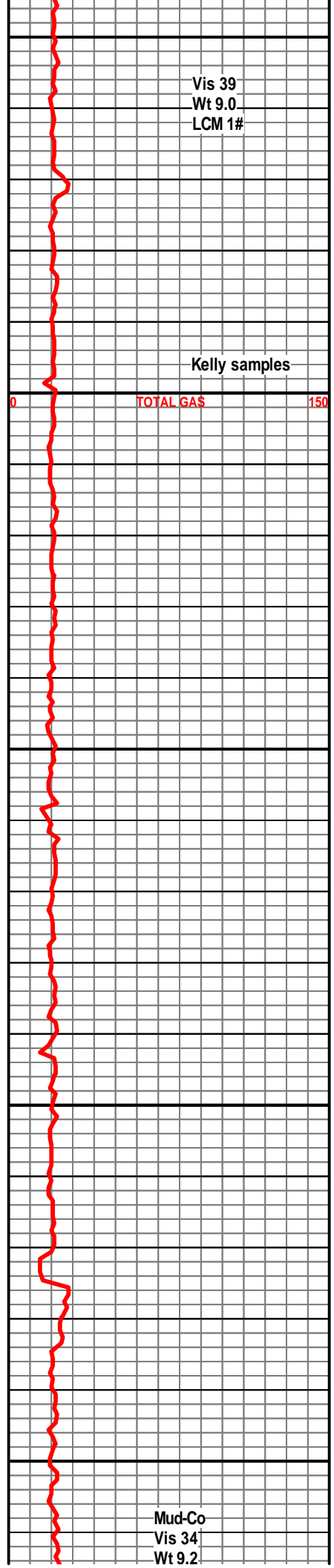
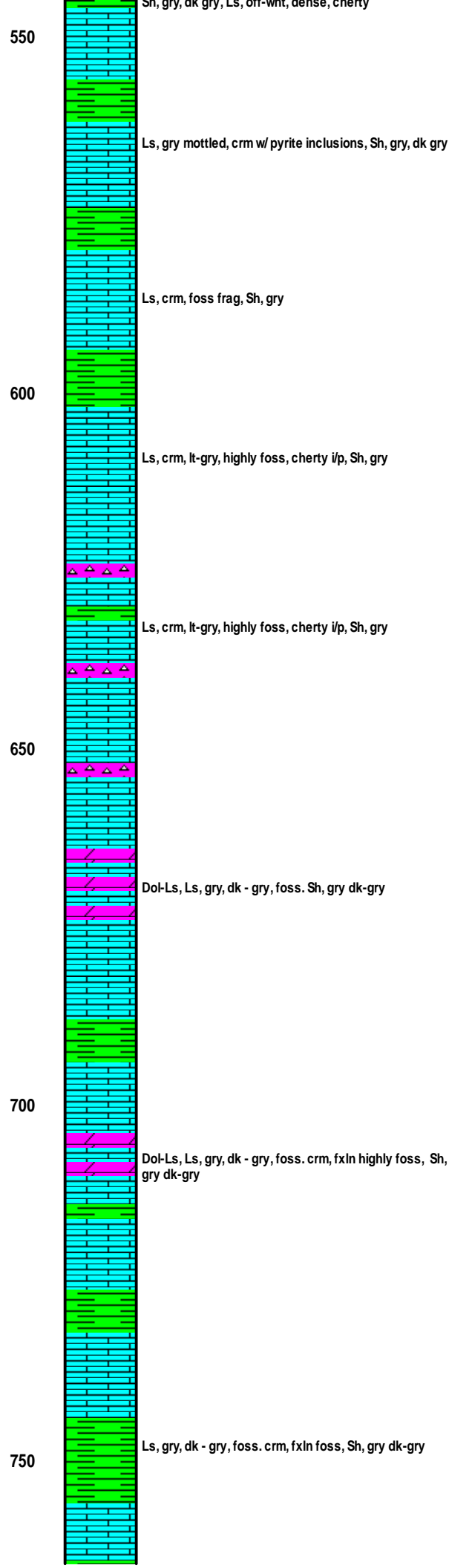
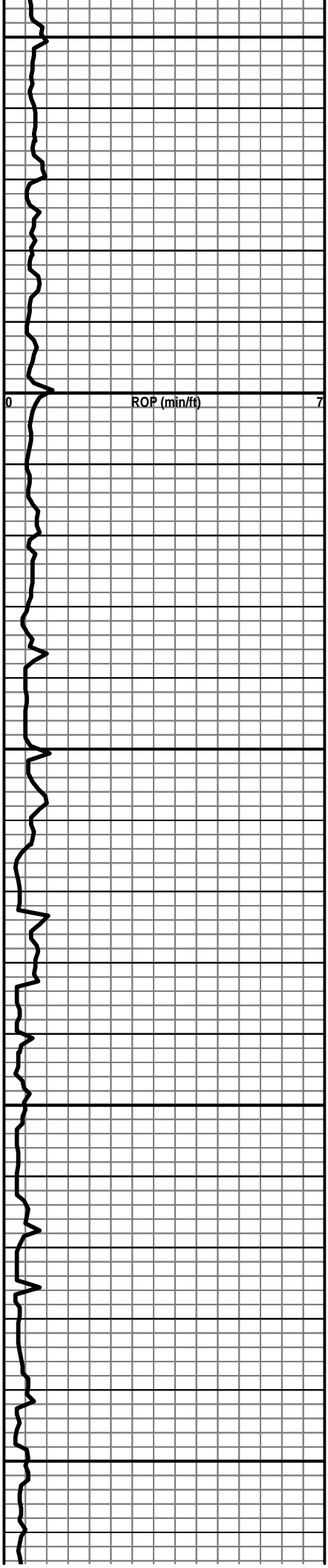
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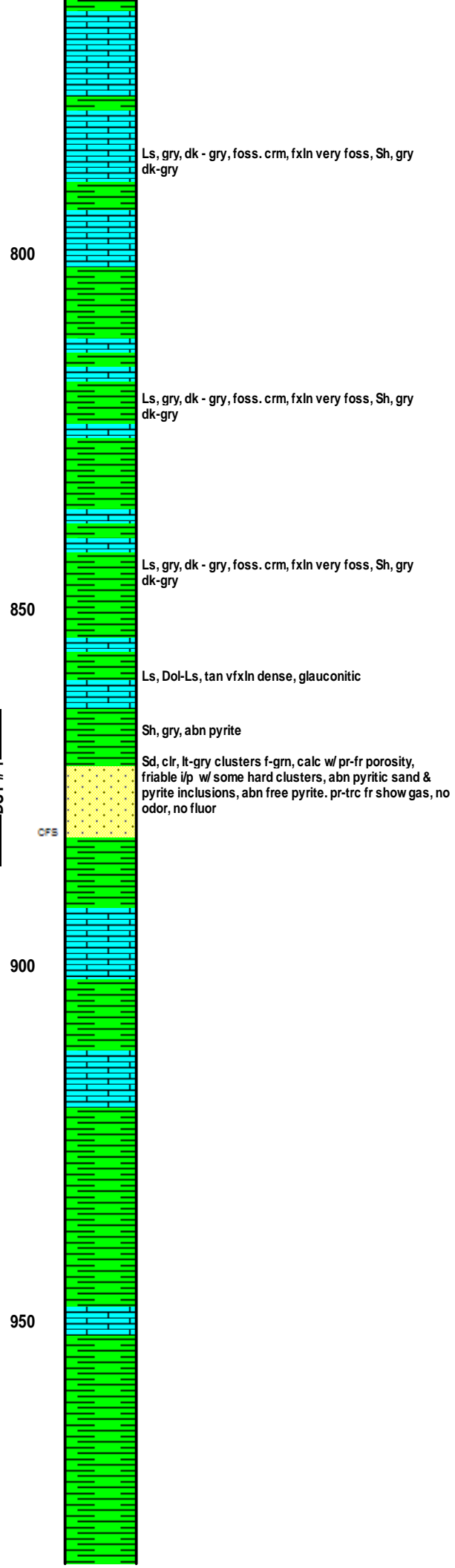
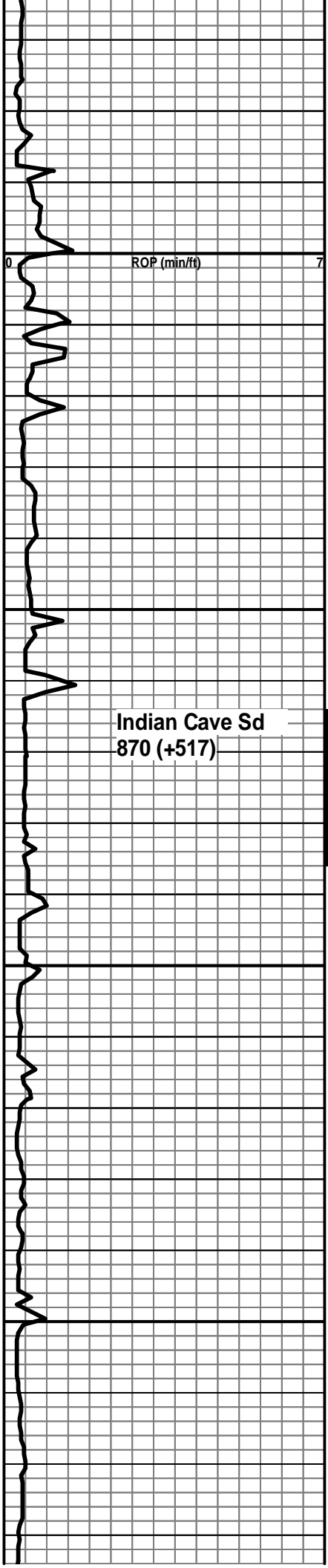
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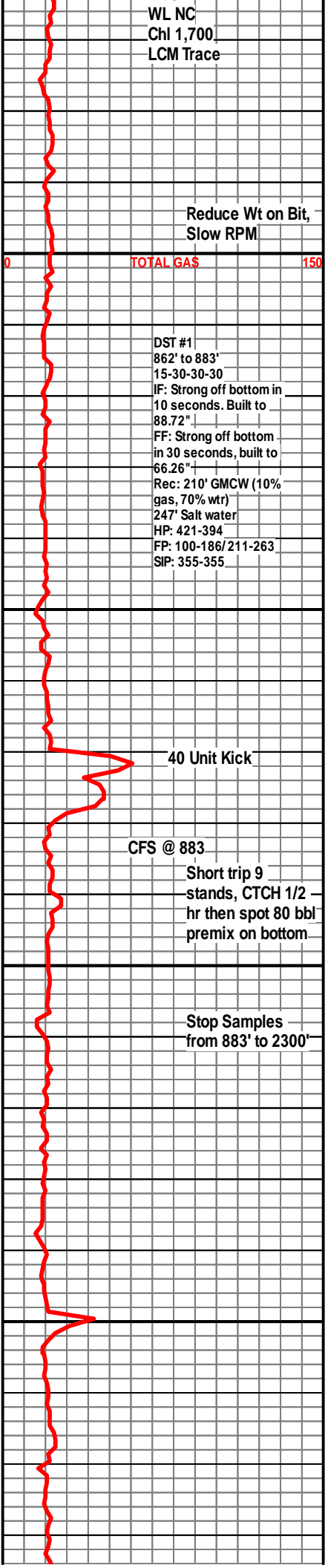
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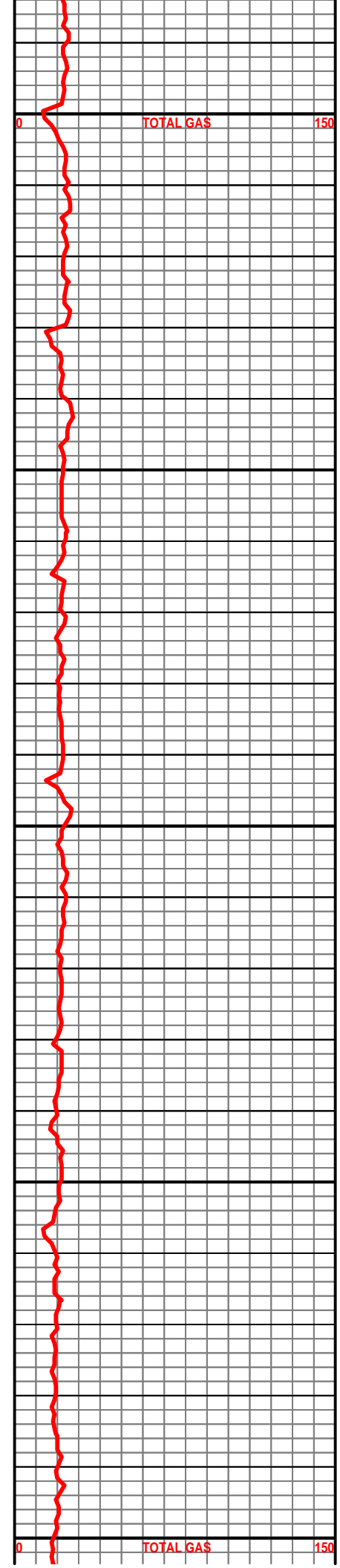
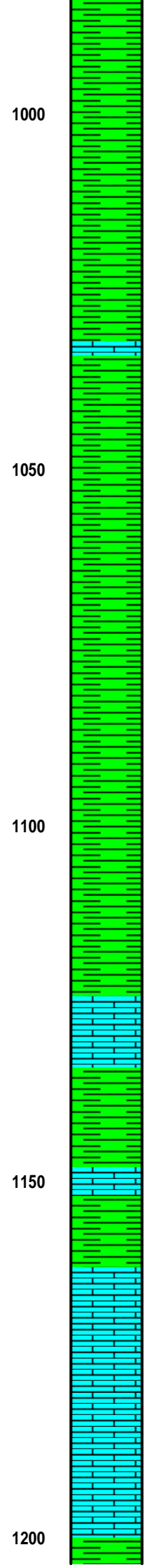
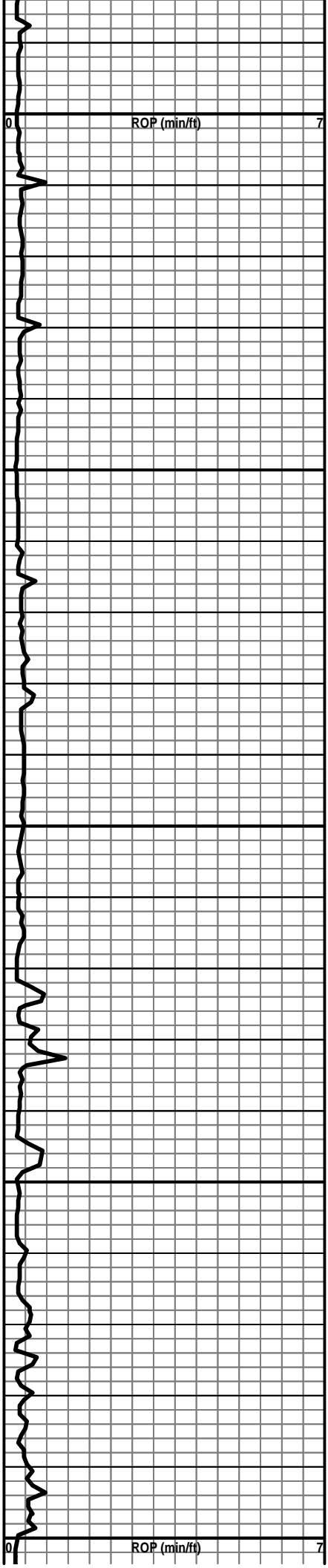


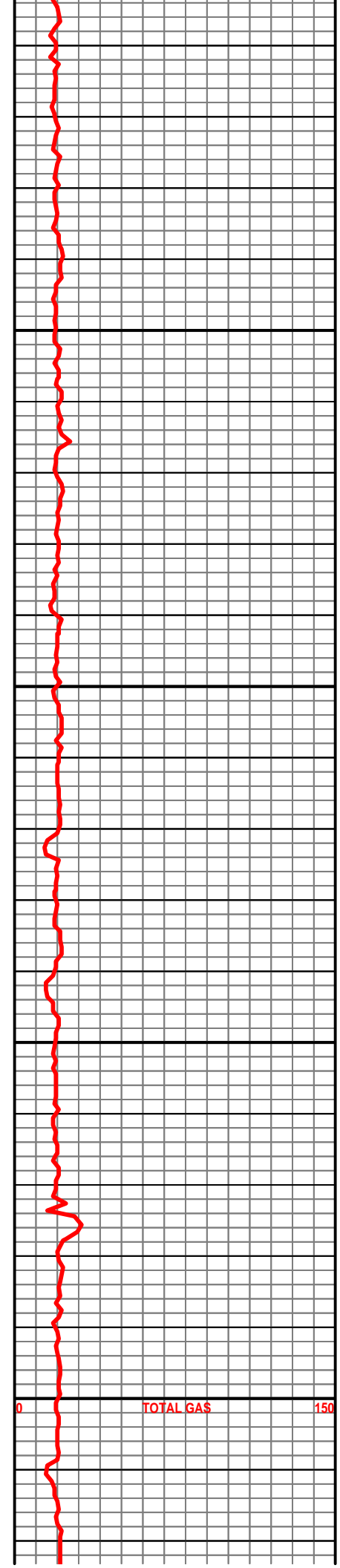
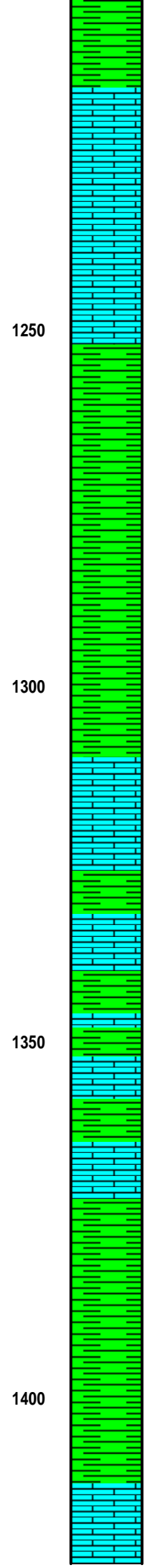
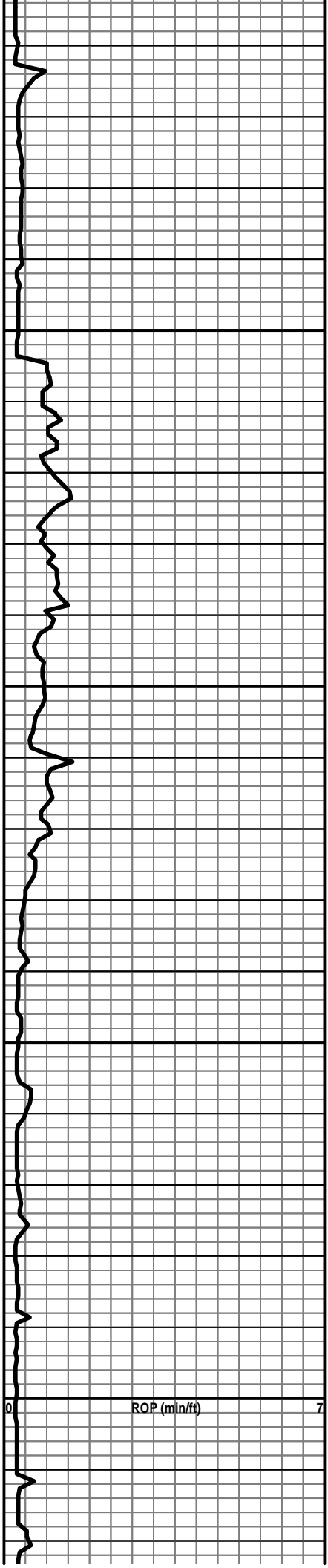


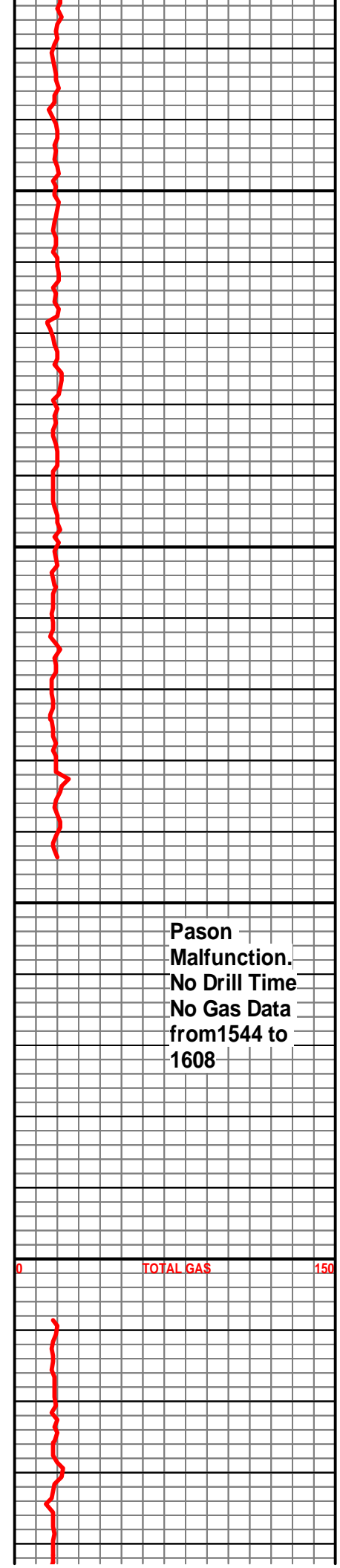
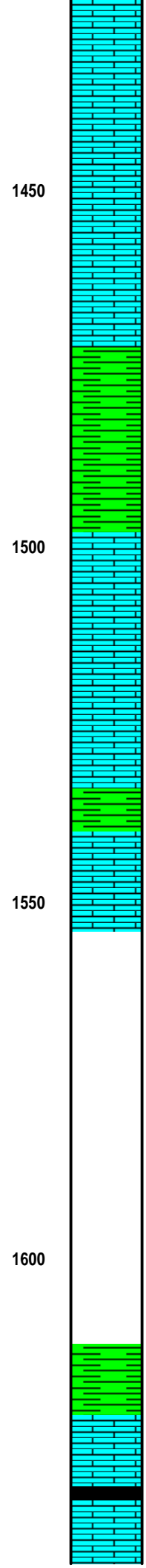
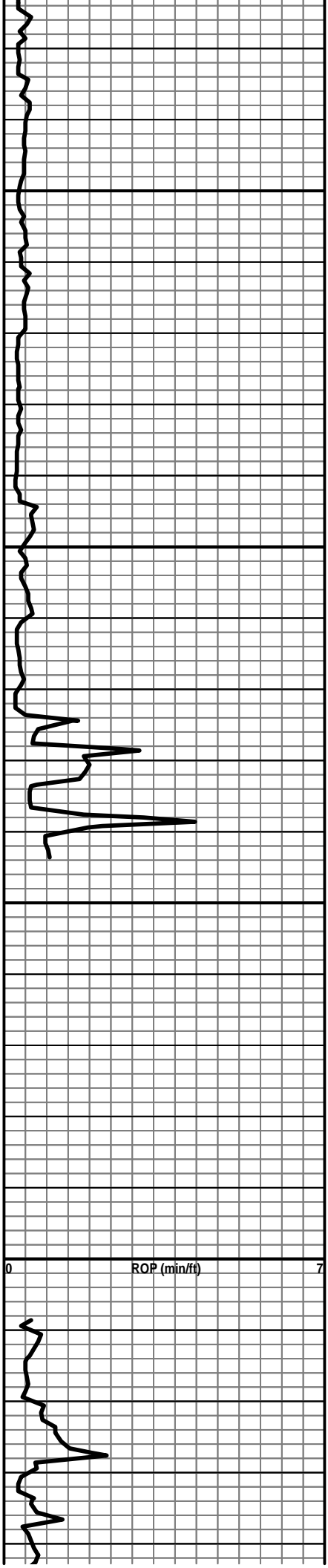


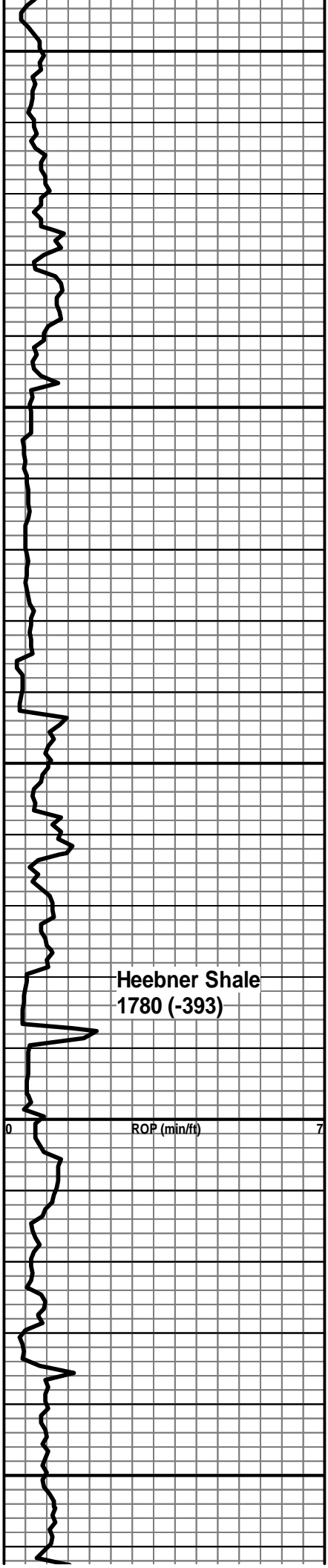
Indian Cave Sd
870 (+517)



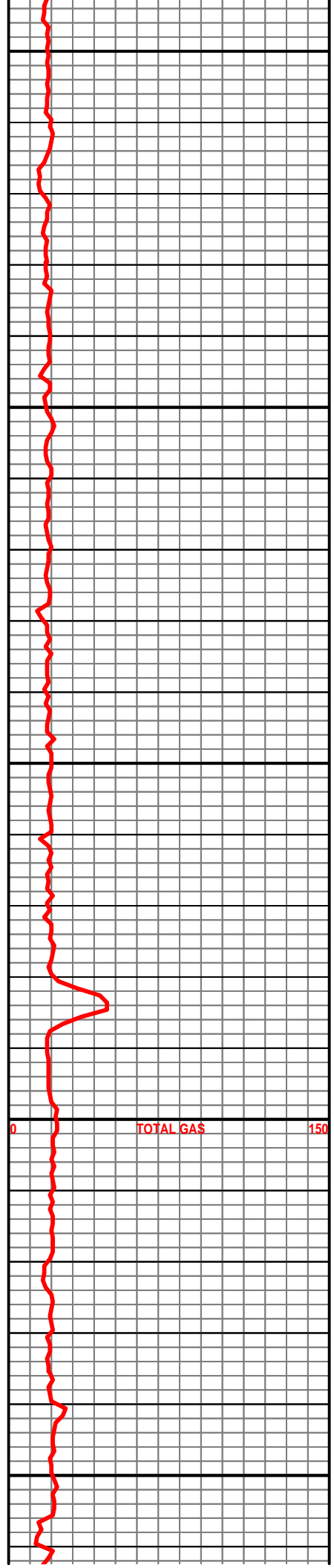
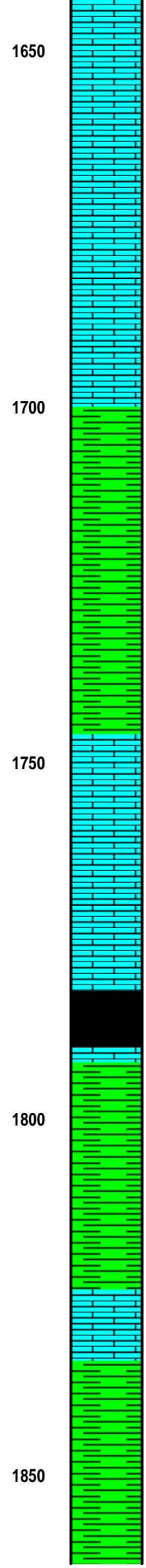


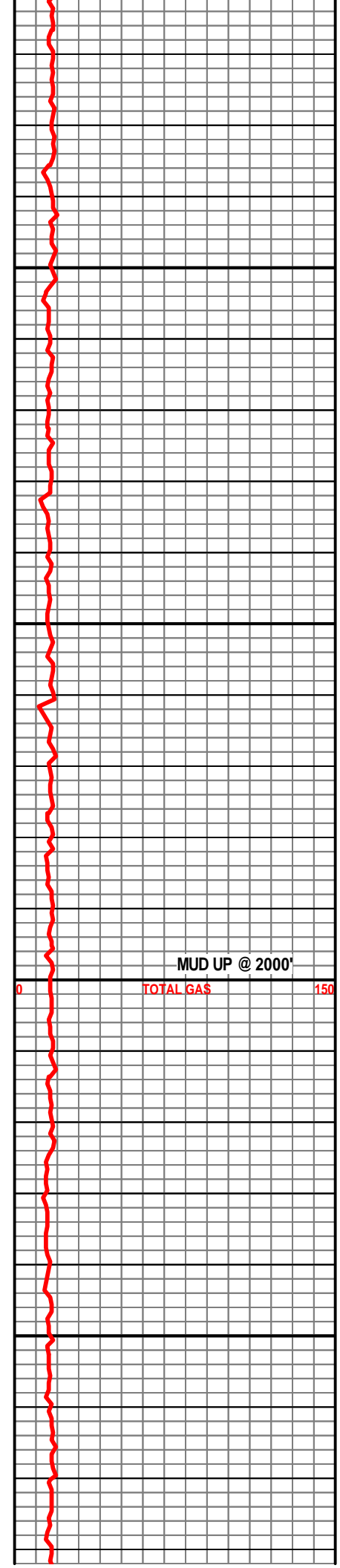
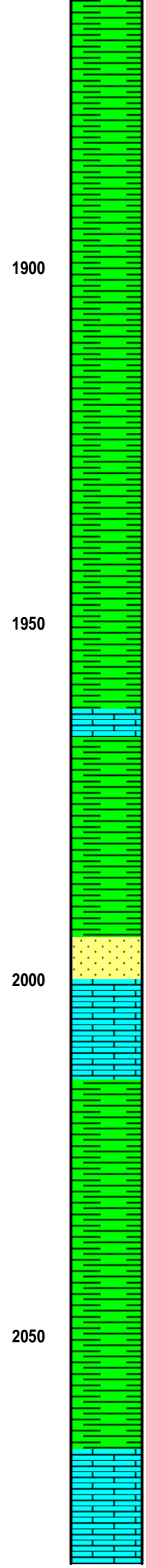
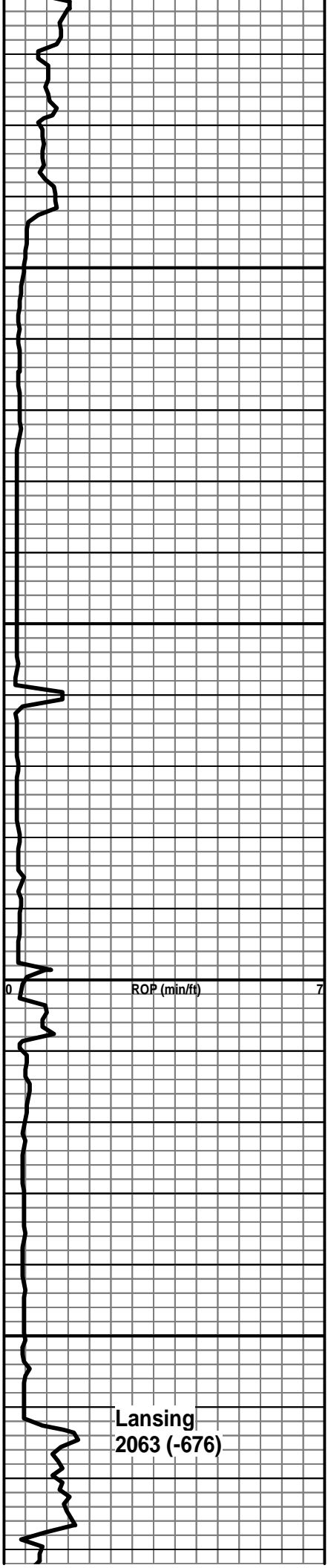


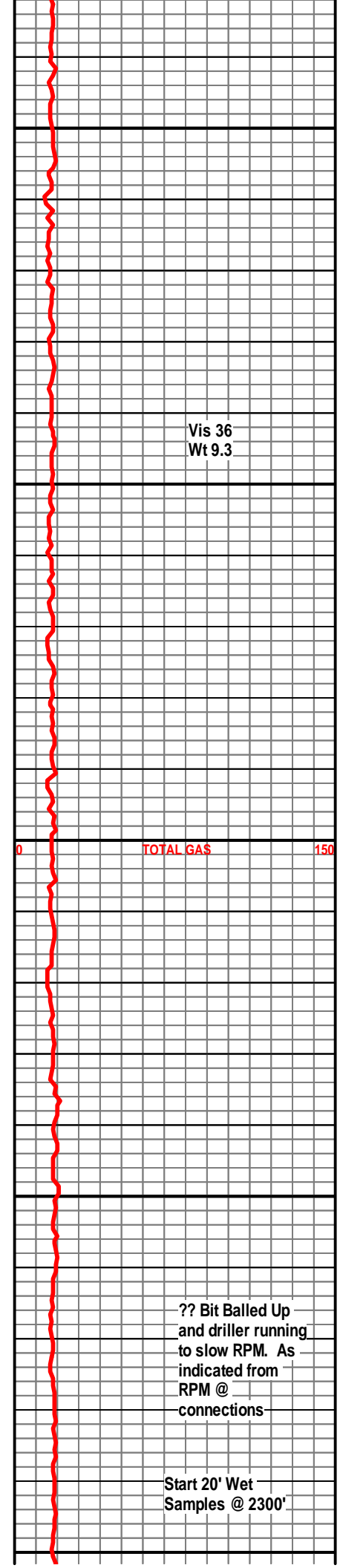
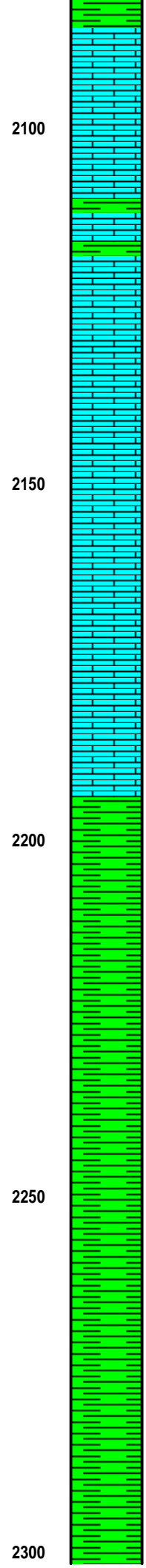
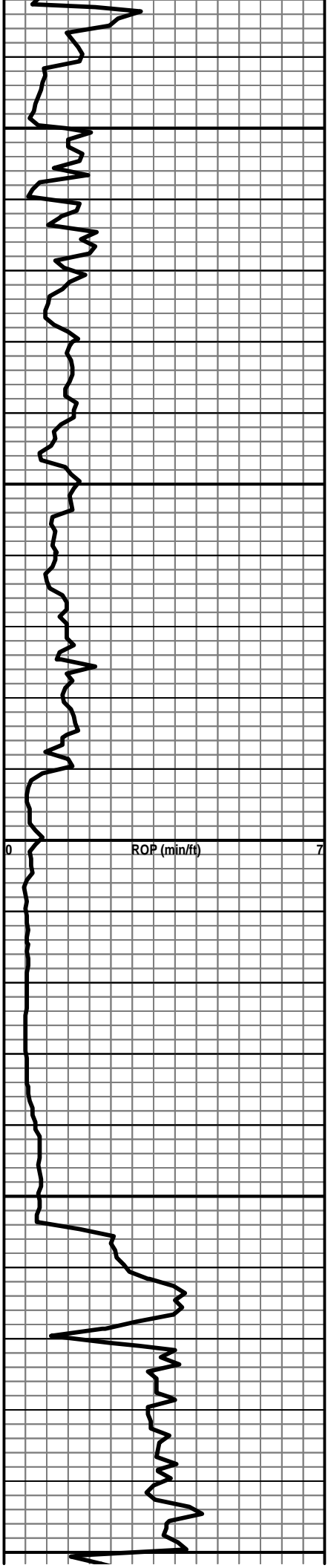


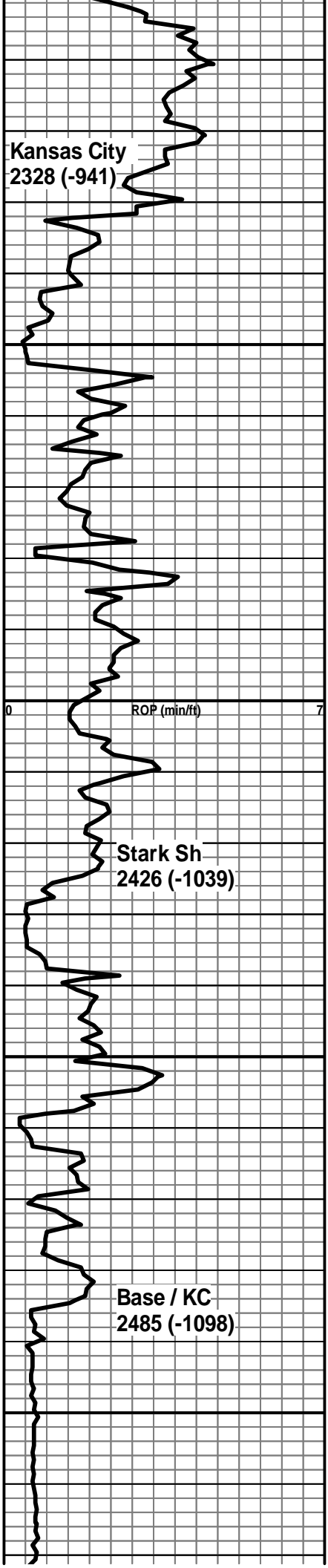


Heebner Shale
1780 (-393)









Kansas City
2328 (-941)

Stark Sh
2426 (-1039)

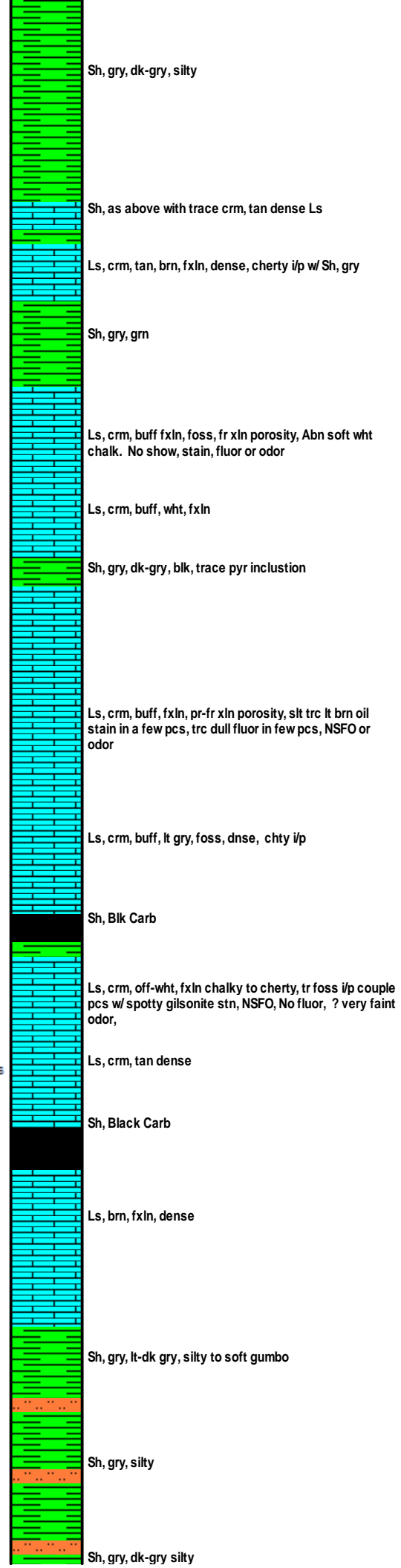
Base / KC
2485 (-1098)

2350

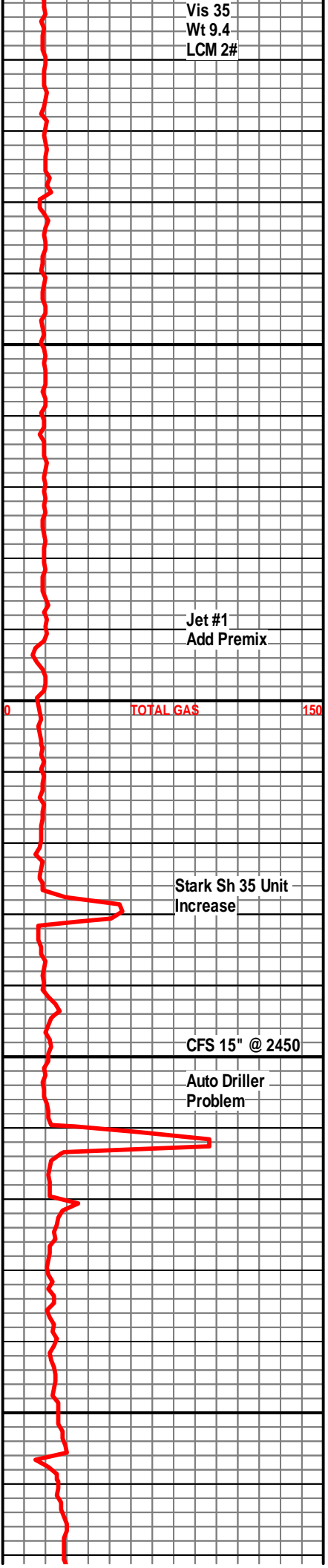
2400

2450

2500



CFS



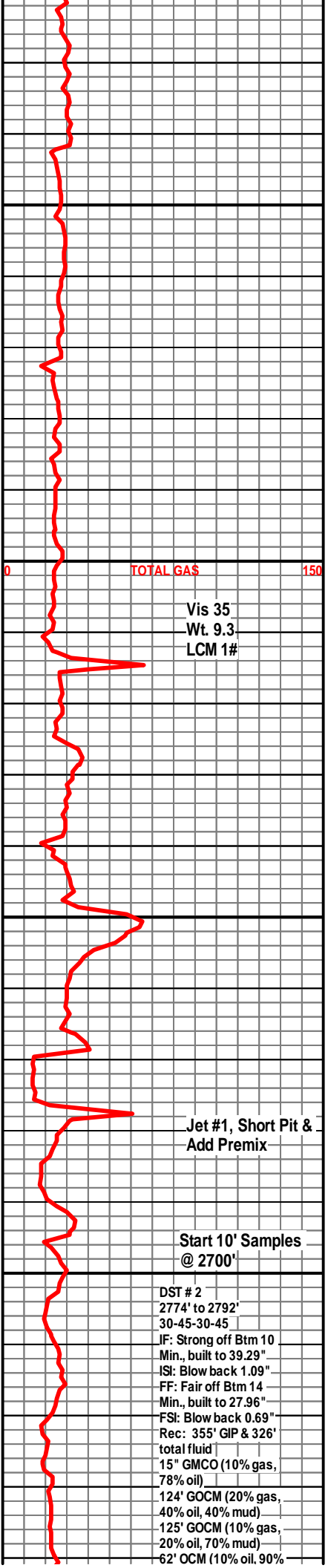
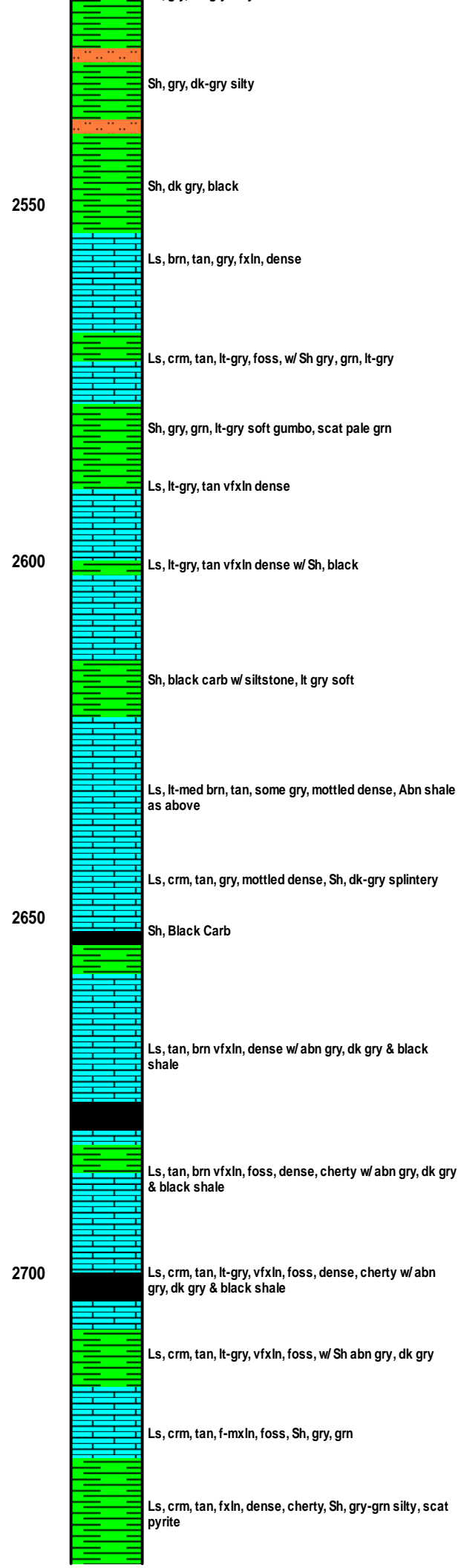
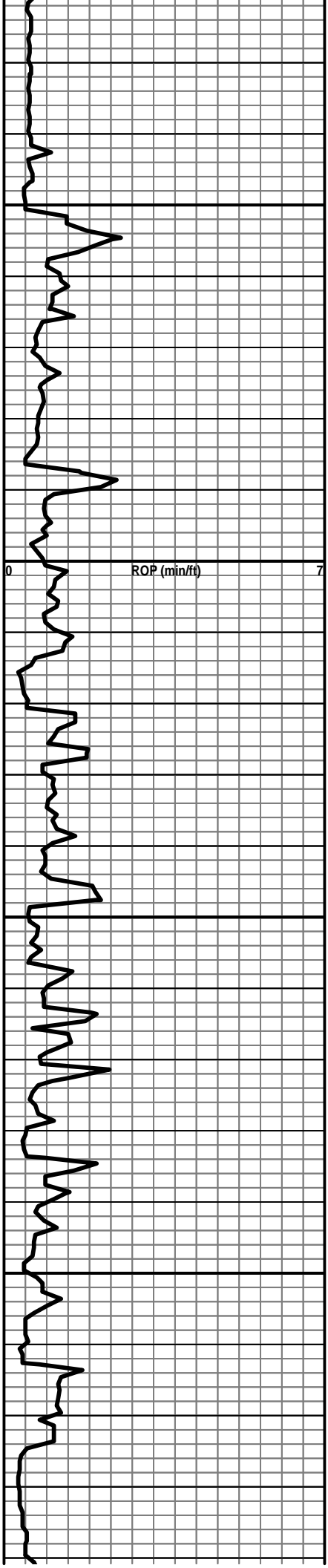
Jet #1
Add Premix

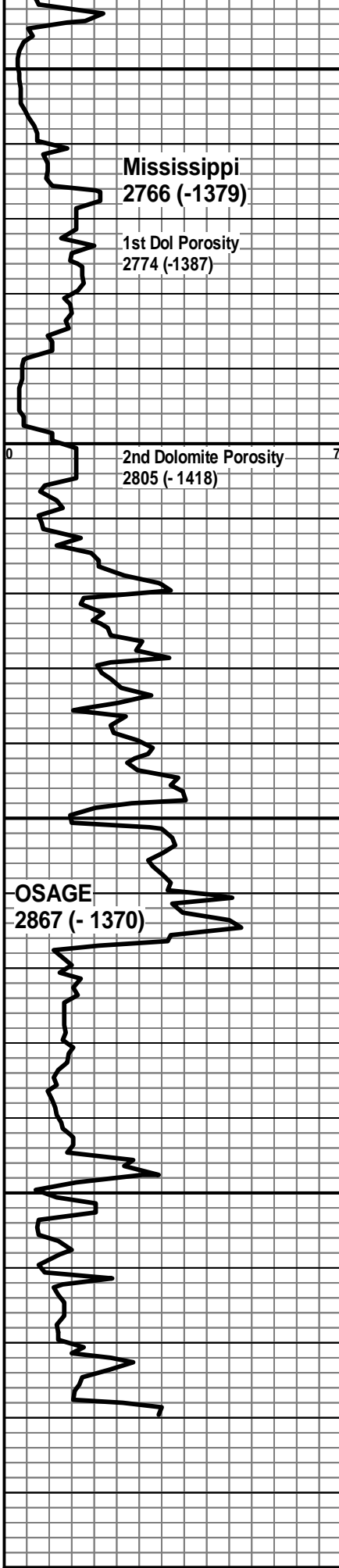
Stark Sh 35 Unit
Increase

CFS 15" @ 2450

Auto Driller
Problem

Vis 35
Wt 9.4
LCM 2#





2750 Sh, most lt-grn, gry, dk-gry, mrn, black, grn, lt-grn, a few sandy ip, silty. Ls, crm, buff vfxln

Vari-clr sh, trc Ls, crm, f-mxln, glauconic i/p

CFS Dol, crm, tan, buff vfxln, dense

2788-Dol, crm, buff, fine xln, saturated lt brn oil stain, fr- show light gassy free oil, fr show gas bubbles, bright fluor, very strong odor. Abn soft wht chalk

CFS 2792-Dol, crm, buff, fine xln, some sucrosic, saturated lt brn oil stain, fr-gd show light gassy free oil, floating in tray, very good show when crushed, bright fluor, very strong odor

2803-Dol As Above w/ scat Cht off-wht, Ls, wht, mxln trc glauconic. Scat Dol, tan dense, Cherty

CFS Dol, Crm-tan very fine xln, pr w/ trace fr xln porosity, even brn saturation, bleeding pr-fr SFO & gas bubbles, Fr show light oil when crushed, slight trace glauc. Dull fluor Very strong odor

CFS Dol, crm, buff, vfxln, Ls, crm, wht, dense, cherty, Chert, tan, off-wht, sharp, No show,

2850 Ls, wht, m-cxln, foss, Dol, gry, brn dense cherty, scat cht, tan

OSAGE 2867 (-1370)

Cht, wht, slightly weathered to blocky, Ls, wht, f-mxln

Cht, wht, blocky, Ls, wht, f-mxln w/ Abn soft wht chalk

2900 Cht, wht, sharp to weathered, few pcs weathered have light spotty stain, Ls, wht, f-mxln, still very chalky. No shows, fluor or odor

Cht, gry, tan, off-wht, wht, sharp,

Cht, smoke gry, gry, sharp, Dol - Ls, gry, dk gry, vfxln

