

Form	ACO1 - Well Completion
Operator	AGV Corp.
Well Name	DIAMOND T 1
Doc ID	1726079

All Electric Logs Run

Compensated Neutron-Density
Dual Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	AGV Corp.
Well Name	DIAMOND T 1
Doc ID	1726079

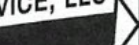
Tops

Name	Top	Datum
Heebner	2261	-1072
Iatan	2576	-1387
Layton Sand	3024	-1835
Kansas City	3192	-2003
Base /KC	3287	-2098
Miss Chert	3644	-2455
Kinderhook Sh	3916	-2727
Simpson Sand	3986	-2797
Arbuckle	4081	-2892

Form	ACO1 - Well Completion
Operator	AGV Corp.
Well Name	DIAMOND T 1
Doc ID	1726079

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	262	Class A	170	2% gel, 3% CC, 1/4# Flo-seal
Production	7.875	5.5	15.5	4089	Thickset	150	5# Kol-Seal, 2# phenosea l/sack



ELITE
CEMENTING & ACID SERVICE, LLC

C-6 Drlg.
Lig #3

Ticket No. **7367**

Foreman David Gardner

Camp *Eureka*

API # 15-191-22860

Date	Cust. ID #	Lease & Well Number		Section	Township	Range	County	State
7-28-23	1358	Diamond T #1		16	34S.	1E.	Sumner	KS
Customer			Safety Meeting DG JH JM	Unit #	Driver	Unit #	Driver	
AGV Corporation				140	Jason			
Mailing Address				110	Jake			
123 N. Main								
City		State	Zip Code					
Attica		KS	167009					

Job Type Surface Hole Depth 267' K.B. Slurry Vol. 41 Bbl Tubing _____
Casing Depth 252.60' G.L. Hole Size 12 1/4" Slurry Wt. 15# Drill Pipe _____
Casing Size & Wt. 8 5/8" 24" Cement Left in Casing 20' +/- Water Gal/SK _____ Other _____
Displacement 15 3/4 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting: Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water. Mixed 170 sks Class 'A' Cement w/ 3% CaCl₂, 2% Gcl, 1/4" Floreal/sk @ 15"/gal, yield 1.35 = 41 Bbl slurry. Displace w/ 15 3/4 Bbl fresh water. Shutdown. Close casing in. Good cement returns to surface = 15 Bbl slurry to pit. Job complete. Rig down.

[illegible]

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.

EUREKA, KS 67045

API # 15-191-22860



Cement or Acid Field Report

Ticket No. EP 9920

Foreman *Kevin McCoy*

Camp *EUREKA*

C & G
DL19
R193

Date	Cust. ID #	Lease & Well Number		Section	Township	Range	County	State
8-7-23		DIAMOND T #1		16	34S	1E	SUMNER	KS
Customer			Safety Meeting KM AM JM SM BW	Unit #	Driver	Unit #	Driver	
AGV CORPORATION				1201	ALAN M.			
Mailing Address				1210	JAKE M.			
123 N. MAIN				1212	STEVE M.			
				1213	BROKER W.			
				1004	KEVIN M.			
City	State	Zip Code						
ATHICA	KS	67009						

Job Type <u>Longstring</u>	Hole Depth <u>4194' K.B.</u>	Slurry Vol. <u>6400</u>	Tubing _____
Casing Depth <u>4089.45' K.B.</u>	Hole Size <u>7 7/8</u>	Slurry Wt. <u>12.7 - 13.8 #</u>	Drill Pipe _____
Casing Size & Wt. <u>5 1/2" 15.50 #</u>	Cement Left in Casing <u>41.97 SJ</u>	Water Gal/SK _____	Other _____
Displacement <u>77.5 bbl</u>	Displacement PSI _____	Bump Plug to _____	BPM _____

Remarks: SAFETY Meeting: used 5 1/2" 15.50 # 5 1/2 w/ Packer shoe set @ 4089.45' K.B. DV Tool Set @ 1540' Below K.B. Rig up to 5 1/2. Stage #1. Drop Brass Ball, Set Packer Shoe @ 1650 PSI. Pump 15 BBL Fresh water. Mixed 50 SKS 60/40 Pozmix Cement w/ 8% Gel 2" Phenoseal/sk @ 12.7 #/gal, yield 1.70 = 15 BBL slurry. Tail in w/ 150 SKS Thick Set Cement w/ 5" Kol-Seal/sk, 2" Phenoseal/sk @ 13.8 #/gal, yield 1.85 = 49 BBL slurry. Wash out Pump & Lines. Shut down. Release Latch down Flex Plug. Displace Plug to Seat w/ 99.5 BBL Fresh water. Final Pumping Pressure 1000 PSI. Bump Plug to 1500 PSI. Wait 2 mins. Release Pressure. Float & Plug Held. Drop Trip Bomb, wait 7 mins. Open DV Tool @ 1050 PSI. Circulate w/ mud Pump for 2 Hrs. Stage #2. Break Circulation w/ 10 BBL Fresh water. Mixed 320 SKS 60/40 Pozmix Cement w/ 8% Gel 2" Phenoseal/sk @ 12.7 #/gal, yield 1.70 = 97 BBL slurry. Wash out Pump & Lines, shut down. Release Closing Plug. Displace Plug to Seat w/ 37 BBL water. Close DV Tool @ 1050 PSI. Bump Plug to 1500 PSI. Release Pressure. Tool Closed. 20 BBL slurry to Rt. 30 SKS R.H. 20 SKS M.H.

[illegible]

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.

TERMS

In consideration of the prices to be charged by Elite Cementing & Acidizing of Kansas, LLC (ELITE) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay ELITE interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event ELITE retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by ELITE.

Any applicable federal, state or local sales, use, consumer or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All ELITE prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by ELITE. The Customer shall at all times have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises around the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service to be performed.

- (a) ELITE shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a "claim") for damage to property, injury to or death of employees and representatives of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of ELITE, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of ELITE, Customer shall be responsible for and indemnify and hold ELITE harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by ELITE; (3) injury to or death of persons, other than employees of ELITE, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; (4) well damage or reservoir damaged caused by (i) loss of circulation, cement invasion, cement misplacement, pumping

cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. ELITE may furnish down-hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage or loss resulting from the use of such tools. Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) ELITE makes no guarantee of the effectiveness of any ELITE products, supplies or materials, or the results of any ELITE treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ELITE is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ELITE. ELITE personnel will use their best efforts in gathering such information and their best judgment in interpreting it. Customer agrees that ELITE shall not be responsible for any damage arising from the use of such information except where due to ELITE's gross negligence or willful misconduct in the preparation or furnishing of it.
- (e) ELITE may buy and resell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that ELITE is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify ELITE against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES – LIMITATION OF LIABILITY

ELITE warrants its title to the products, supplies, and materials used or sold to the customer. **ELITE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** ELITE's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any ELITE products or services is expressly limited to the replacement of such or their return to ELITE or, at ELITE's option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against ELITE for any special, incidental, indirect, consequential or punitive damages.



DRILL STEM TEST REPORT

Prepared For: **AGV Corp.**

PO Box 377
Attica. KS 67009

ATTN: Kent Roberts

Diamond T #1

16-34s-1w Sumner,KS

Start Date: 2023.08.01 @ 13:25:00

End Date: 2023.08.01 @ 21:03:02

Job Ticket #: 71033 DST #: 1

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

Printed: 2023.08.09 @ 11:32:08



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71033

DST#: 1

Test Start: 2023.08.01 @ 13:25:00

GENERAL INFORMATION:

Formation: **Miss Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:46:17

Time Test Ended: 21:03:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3655.00 ft (KB) To 3676.00 ft (KB) (TVD)

Reference Elevations: 1188.00 ft (KB)

Total Depth: 3676.00 ft (KB) (TVD)

1180.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press@RunDepth: 55.71 psig @ 3666.00 ft (KB)

Capacity: psig

Start Date: 2023.08.01

End Date:

2023.08.01

Last Calib.:

1899.12.30

Start Time: 13:25:01

End Time:

21:03:02

Time On Btm:

2023.08.01 @ 15:40:17

Time Off Btm:

2023.08.01 @ 18:15:17

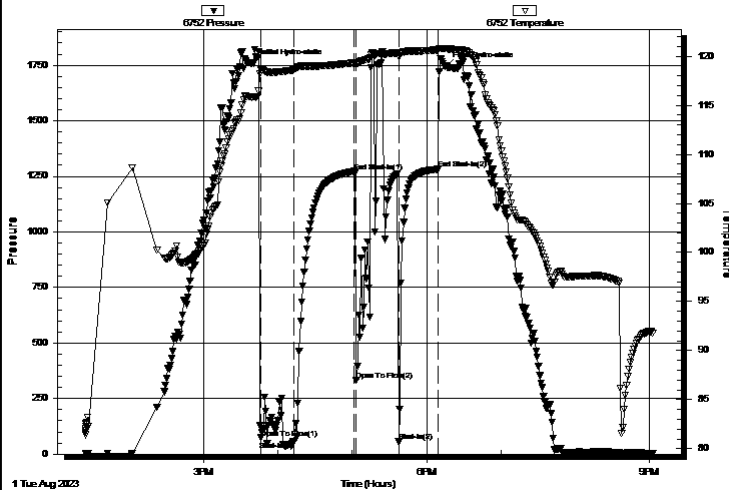
TEST COMMENT: IF: 30 min., weak building blow, 1.4 inches, slid tool 5-7'

IS: 45 min., no blow back

FF: 35 min., no blow, flushed tool, no change, shut in

FS: 30 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1758.73	115.85	Initial Hydro-static
7	73.54	118.66	Open To Flow (1)
34	58.06	118.67	Shut-In(1)
82	1271.87	119.32	End Shut-In(1)
84	332.76	119.17	Open To Flow (2)
118	55.71	119.95	Shut-In(2)
150	1282.22	120.66	End Shut-In(2)
155	1742.60	120.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w / oil spots	0.10

Gas Rates

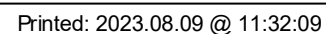
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



Test Start: 2023.08.01 @ 13:25:00

KB to GR/CF: 8.00 ft

FSI: 30 min., no blow back





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71033

DST#: 1

ATTN: Kent Roberts

Test Start: 2023.08.01 @ 13:25:00

Tool Information

Drill Pipe:	Length:	3411.00 ft	Diameter:	3.80 inches	Volume:	47.85 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	Weight to Pull Loose:	85000.00 lb
					Total Volume:	49.03 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		16.00 ft					String Weight: Initial	82000.00 lb
Depth to Top Packer:		3665.00 ft					Final	82000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		11.00 ft						
Tool Length:		41.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments: tool slid 5-7', perf was packed off with very thick mud and cuttings (clay)

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3640.00	
Hydraulic tool	5.00			3645.00	
Isolator Sub	3.00			3648.00	
Jars	5.00			3653.00	
Safety Joint	3.00			3656.00	
Packer	5.00			3661.00	30.00 Bottom Of Top Packer
Packer	4.00			3665.00	
Stubb	1.00			3666.00	
Recorder	0.00	6752	Inside	3666.00	
Recorder	0.00	6751	Outside	3666.00	
Pickup sub perf	5.00			3671.00	
Perforations	2.00			3673.00	
Bullnose	3.00			3676.00	11.00 Bottom Packers & Anchor

Total Tool Length: 41.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71033

DST#: 1

ATTN: Kent Roberts

Test Start: 2023.08.01 @ 13:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.57 in³

Resistivity: ohm.m

Salinity: 1700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w / oil spots	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

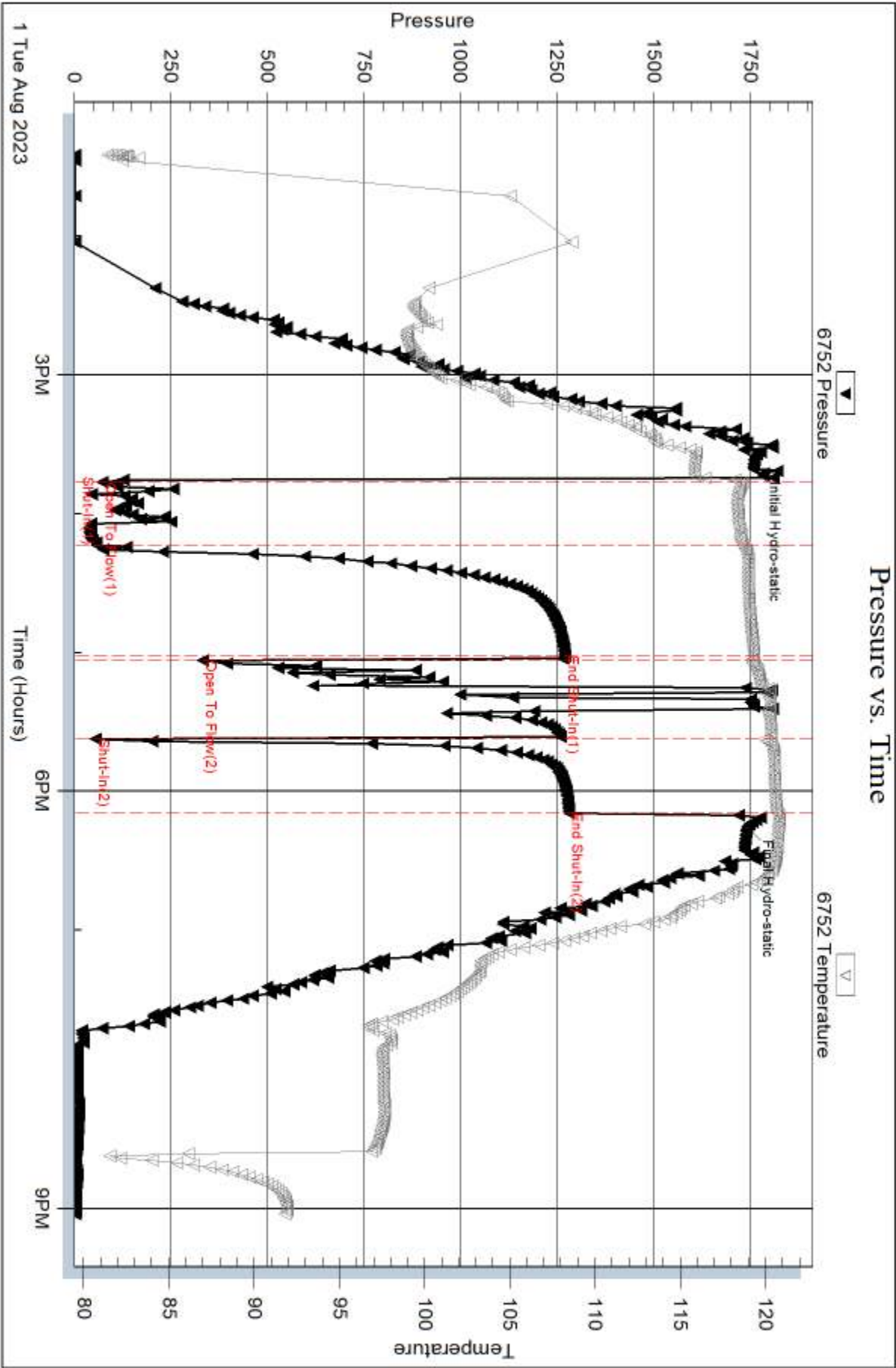
Serial #: 6752

Inside

AGV Corp.

Diamond T #1

DST Test Number: 1

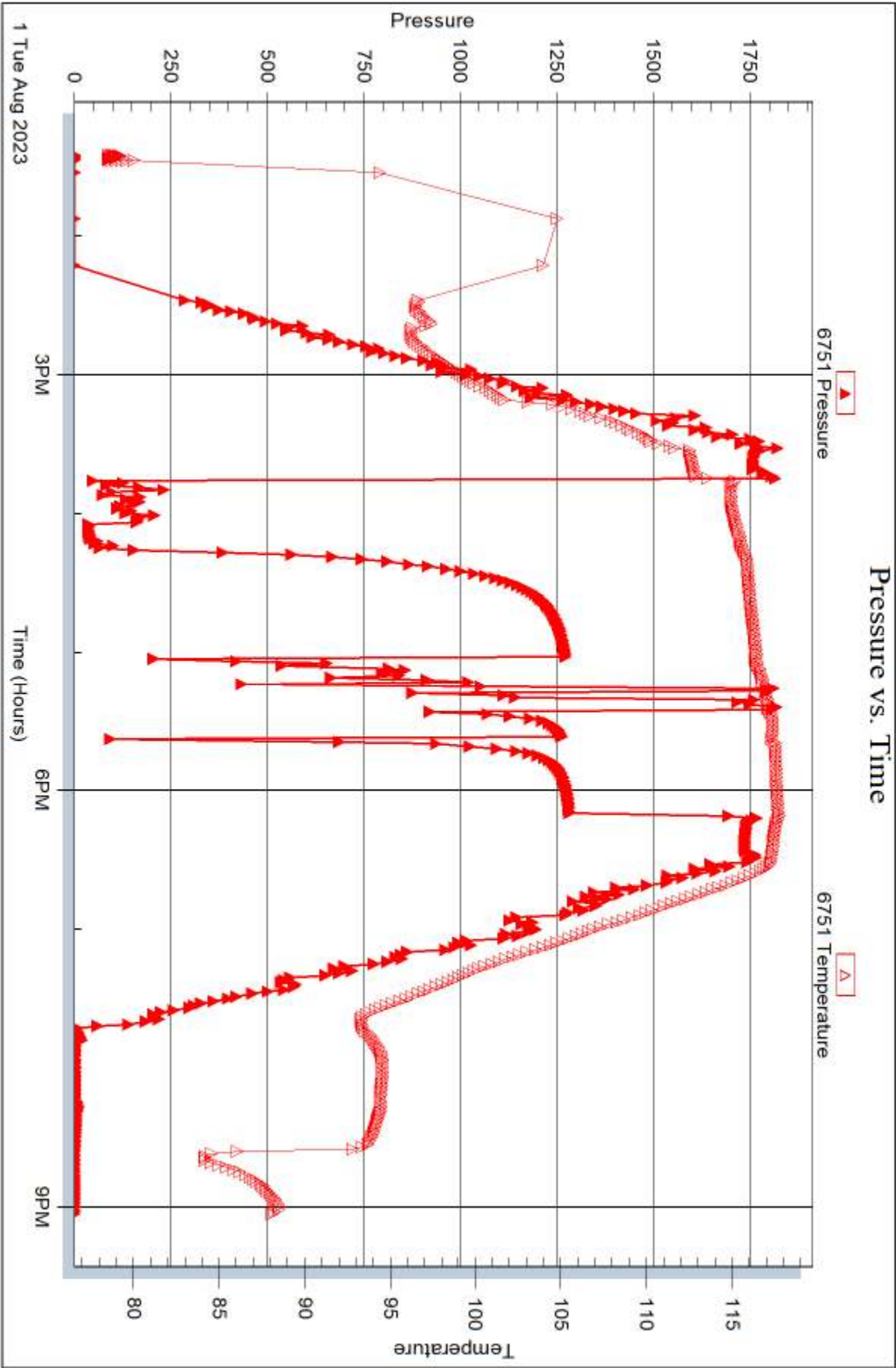


Serial #: 6751

Outside AGV Corp.

Diamond T #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **AGV Corp.**

PO Box 377
Attica. KS 67009

ATTN: Kent Roberts

Diamond T #1

16-34s-1w Sumner,KS

Start Date: 2023.08.02 @ 04:01:00

End Date: 2023.08.02 @ 12:35:02

Job Ticket #: 71034 DST #: 2

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

Printed: 2023.08.09 @ 11:30:41



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71034

DST#: 2

Test Start: 2023.08.02 @ 04:01:00

GENERAL INFORMATION:

Formation: **Miss Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:16:47

Time Test Ended: 12:35:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3664.00 ft (KB) To 3676.00 ft (KB) (TVD)

Reference Elevations: 1188.00 ft (KB)

Total Depth: 3676.00 ft (KB) (TVD)

1180.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6751 Outside

Press@RunDepth: 46.52 psig @ 3666.00 ft (KB)

Capacity: psig

Start Date: 2023.08.02

End Date:

2023.08.02

Last Calib.:

2023.08.02

Start Time: 04:01:01

End Time:

12:35:02

Time On Btm:

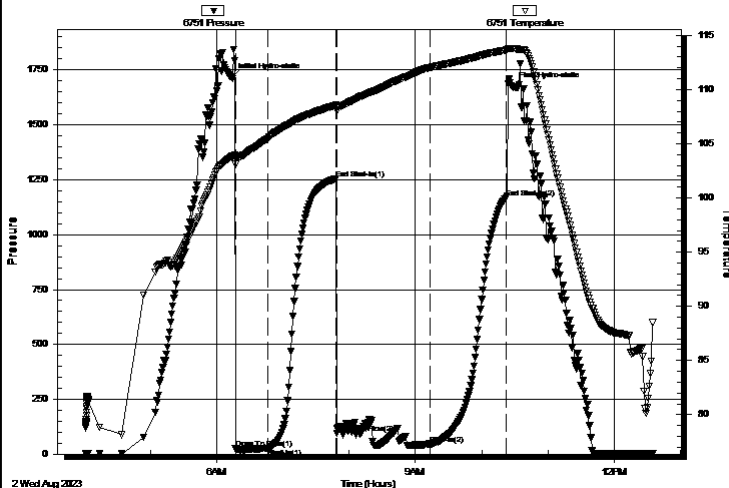
2023.08.02 @ 06:13:02

Time Off Btm:

2023.08.02 @ 10:28:02

TEST COMMENT: IF: 30 min., weak building blow, 1 inch
IS: 45 min., no blow back
FF: 60 min., weak surging blow, 1 inch
FS: 90 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.26	103.77	Initial Hydro-static
4	26.38	103.11	Open To Flow (1)
33	26.61	105.48	Shut-In(1)
96	1255.27	108.56	End Shut-In(1)
96	96.32	108.00	Open To Flow (2)
180	46.52	112.02	Shut-In(2)
249	1168.91	113.64	End Shut-In(2)
255	1673.13	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gassy oily watery mud 5%G,5%O,40%W,0.30%M	

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71034

DST#: 2

Test Start: 2023.08.02 @ 04:01:00

GENERAL INFORMATION:

Formation: **Miss Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:16:47

Time Test Ended: 12:35:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3664.00 ft (KB) To 3676.00 ft (KB) (TVD)

Total Depth: 3676.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press@RunDepth: psig @ 3666.00 ft (KB)

Start Date: 2023.08.02

End Date:

2023.08.02

Start Time: 04:01:01

End Time:

12:35:02

Capacity: psig

Last Calib.:

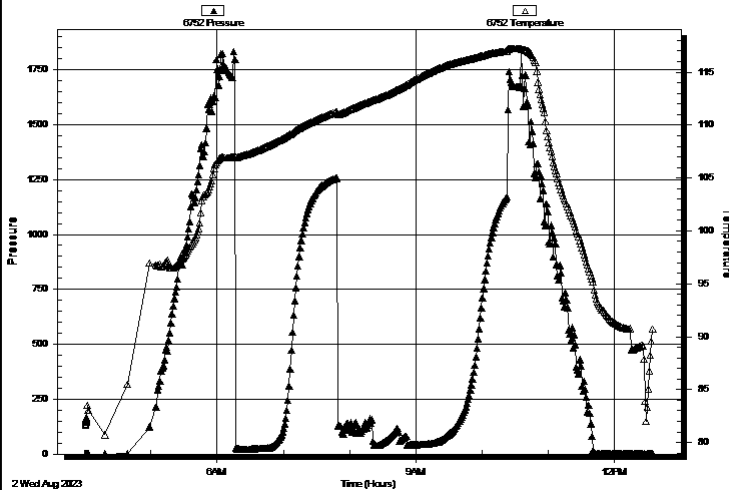
1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 30 min., weak building blow, 1 inch
IS: 45 min., no blow back
FF: 60 min., weak surging blow, 1 inch
FS: 90 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gassy oily watery mud 5%G,5%O,40%W,0.30%M	

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71034

DST#: 2

ATTN: Kent Roberts

Test Start: 2023.08.02 @ 04:01:00

Tool Information

Drill Pipe:	Length:	3411.00 ft	Diameter:	3.80 inches	Volume:	47.85 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	Weight to Pull Loose:	85000.00 lb
					Total Volume:	49.03 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		17.00 ft					String Weight: Initial	82000.00 lb
Depth to Top Packer:		3664.00 ft					Final	83000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		12.00 ft						
Tool Length:		42.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

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

Shut In Tool	5.00		3639.00	
Hydraulic tool	5.00		3644.00	
Isolator Sub	3.00		3647.00	
Jars	5.00		3652.00	
Safety Joint	3.00		3655.00	
Packer	5.00		3660.00	30.00 Bottom Of Top Packer
Packer	4.00		3664.00	
Stubb	1.00		3665.00	
Perforations	1.00		3666.00	
Recorder	0.00	6752 Inside	3666.00	
Recorder	0.00	6751 Outside	3666.00	
Pickup sub perf	5.00		3671.00	
Perforations	2.00		3673.00	
Bullnose	3.00		3676.00	12.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica, KS 67009

Diamond T #1

Job Ticket: 71034

DST#: 2

ATTN: Kent Roberts

Test Start: 2023.08.02 @ 04:01:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 11.16 in³

Resistivity: ohm.m

Salinity: 2900.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 12000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gassy oily watery mud 5%G,5%O,40%W,50%	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

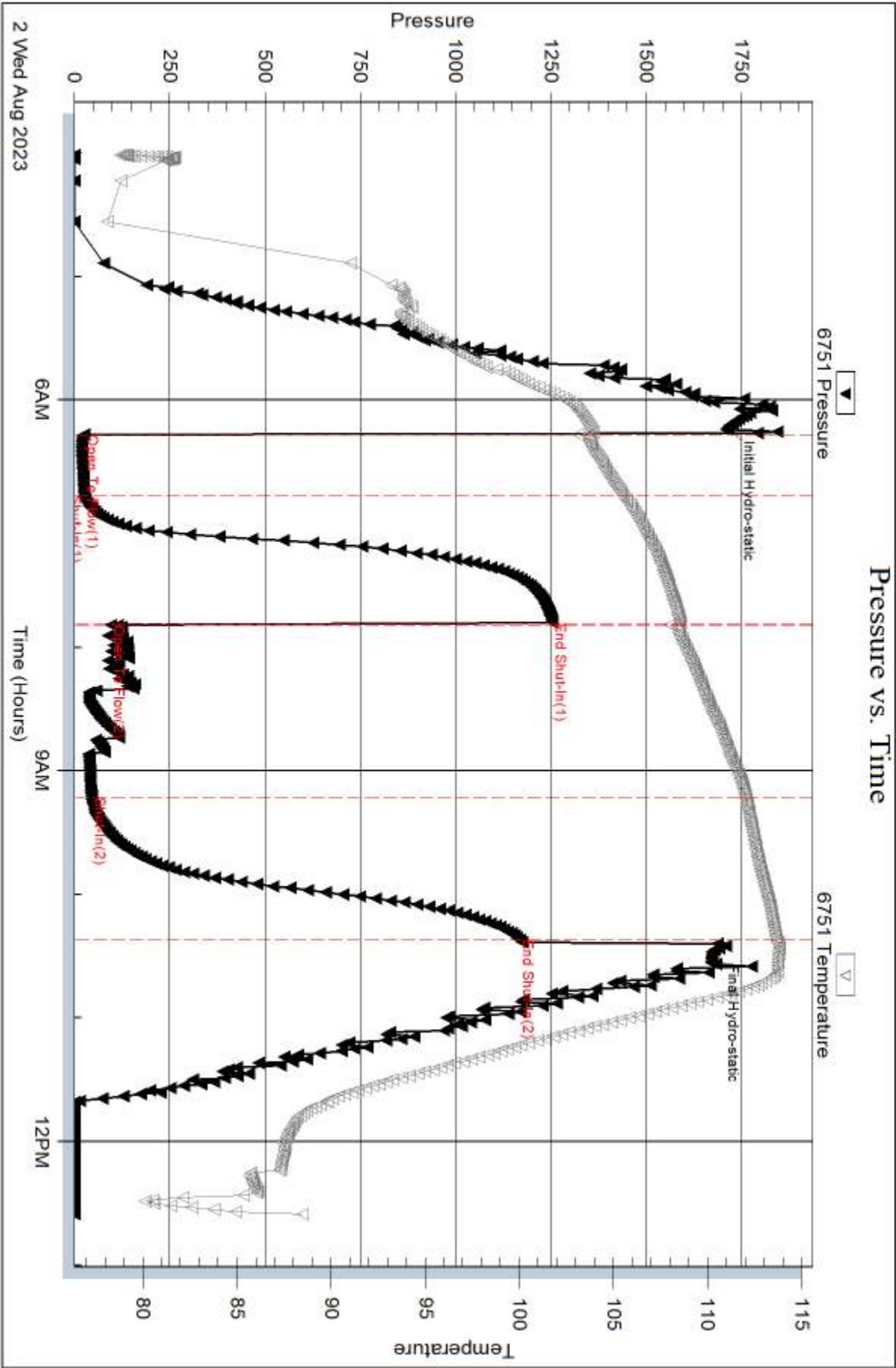
Recovery Comments: RW=.485@77F=12000ppm
60' GIP

Serial #: 6751

Outside AGV Corp.

Diamond T #1

DST Test Number: 2



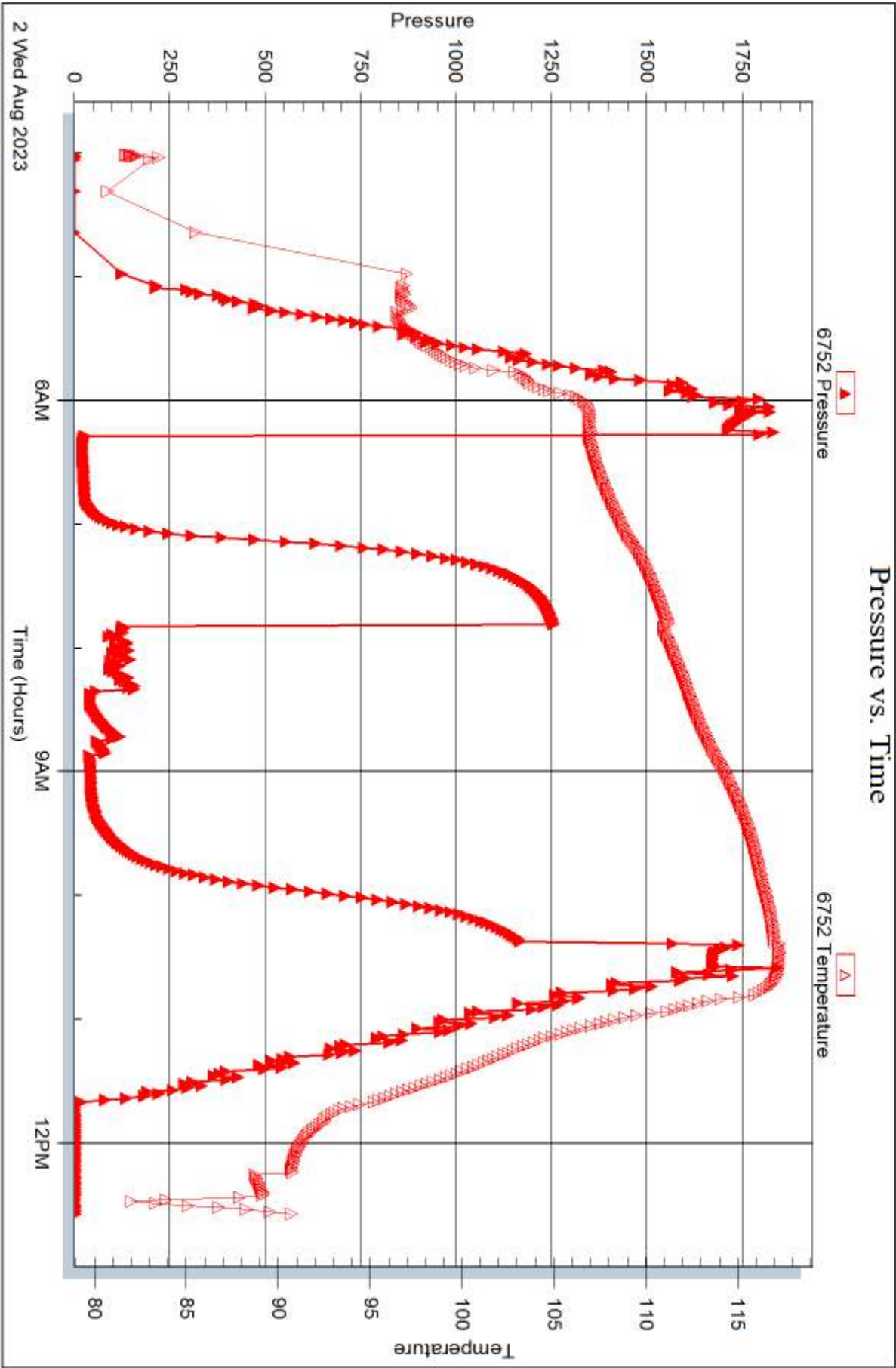
Serial #: 6752

Inside

AGV Corp.

Diamond T #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **AGV Corp.**

PO Box 377
Attica. KS 67009

ATTN: Kent Roberts

Diamond T #1

16-34s-1w Sumner,KS

Start Date: 2023.08.02 @ 22:01:00

End Date: 2023.08.03 @ 07:11:02

Job Ticket #: 71035 DST #: 3

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

Printed: 2023.08.09 @ 11:29:57



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71035

DST#: 3

Test Start: 2023.08.02 @ 22:01:00

GENERAL INFORMATION:

Formation: **Lower Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:58:47

Time Test Ended: 07:11:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3693.00 ft (KB) To 3708.00 ft (KB) (TVD)

Reference Elevations: 1188.00 ft (KB)

Total Depth: 3708.00 ft (KB) (TVD)

1180.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press@RunDepth: 329.31 psig @ 3695.00 ft (KB)

Capacity: psig

Start Date: 2023.08.02

End Date:

2023.08.03

Last Calib.:

2023.08.02

Start Time: 22:01:01

End Time:

07:11:02

Time On Btm:

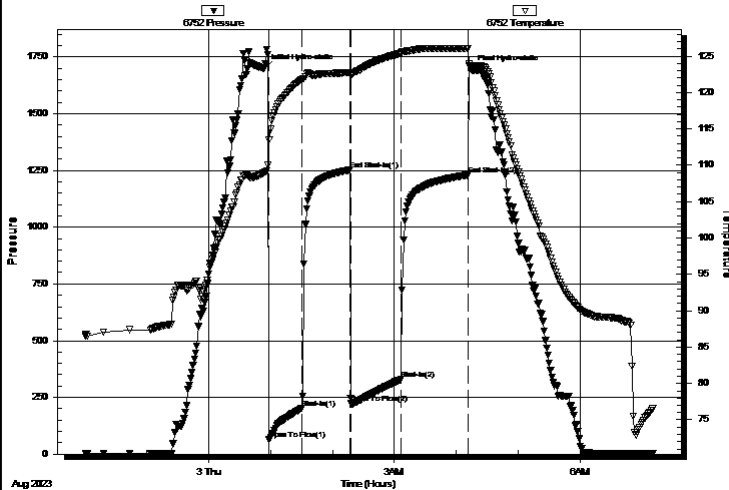
2023.08.03 @ 00:54:17

Time Off Btm:

2023.08.03 @ 04:14:17

TEST COMMENT: IF: 30 min., BOB 9 min., strong building blow , 28 inches
IS: 45 min., no blow back
FF: 45 min., BOB 15 min., strong building blow , 31 inches
FS: 60 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.04	109.01	Initial Hydro-static
5	64.23	113.51	Open To Flow (1)
36	202.17	121.81	Shut-In(1)
83	1251.44	122.71	End Shut-In(1)
84	224.56	122.37	Open To Flow (2)
132	329.31	125.41	Shut-In(2)
198	1229.67	126.03	End Shut-In(2)
200	1692.74	123.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71035

DST#: 3

Test Start: 2023.08.02 @ 22:01:00

GENERAL INFORMATION:

Formation: **Lower Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:58:47

Time Test Ended: 07:11:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3693.00 ft (KB) To 3708.00 ft (KB) (TVD)

Total Depth: 3708.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 3695.00 ft (KB)

Start Date: 2023.08.02

End Date:

2023.08.03

Start Time: 22:01:01

End Time:

07:10:47

Capacity: psig

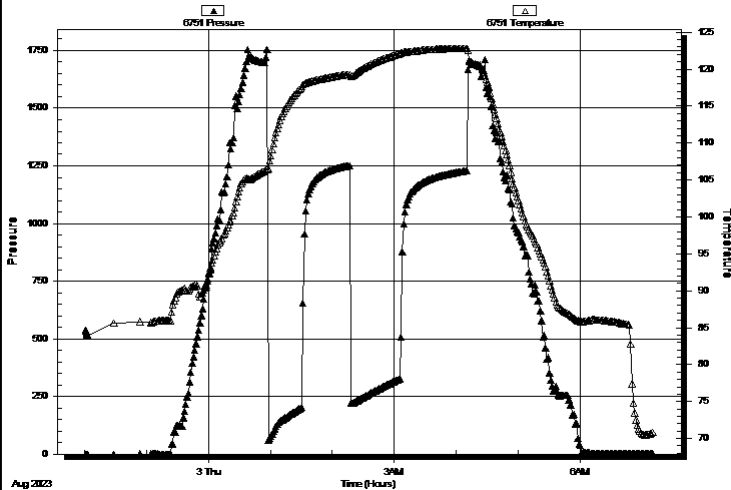
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 30 min., BOB 9 min., strong building blow , 28 inches
IS: 45 min., no blow back
FF: 45 min., BOB 15 min., strong building blow , 31 inches
FS: 60 min., no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71035

DST#: 3

ATTN: Kent Roberts

Test Start: 2023.08.02 @ 22:01:00

Tool Information

Drill Pipe:	Length:	3442.00 ft	Diameter:	3.80 inches	Volume:	48.28 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	Weight to Pull Loose:	90000.00 lb
					Total Volume:	49.46 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		19.00 ft					String Weight: Initial	83000.00 lb
Depth to Top Packer:		3693.00 ft					Final	85000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		15.00 ft						
Tool Length:		45.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

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

Shut In Tool	5.00		3668.00	
Hydraulic tool	5.00		3673.00	
Isolator Sub	3.00		3676.00	
Jars	5.00		3681.00	
Safety Joint	3.00		3684.00	
Packer	5.00		3689.00	30.00 Bottom Of Top Packer
Packer	4.00		3693.00	
Stubb	1.00		3694.00	
Perforations	1.00		3695.00	
Recorder	0.00	6752 Inside	3695.00	
Recorder	0.00	6751 Outside	3695.00	
Pickup sub perf	5.00		3700.00	
Perforations	5.00		3705.00	
Bullnose	3.00		3708.00	15.00 Bottom Packers & Anchor

Total Tool Length: 45.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71035

DST#: 3

ATTN: Kent Roberts

Test Start: 2023.08.02 @ 22:01:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

12000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: 8.054 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.490@80 = 12,000 ppm

Serial #: 6752

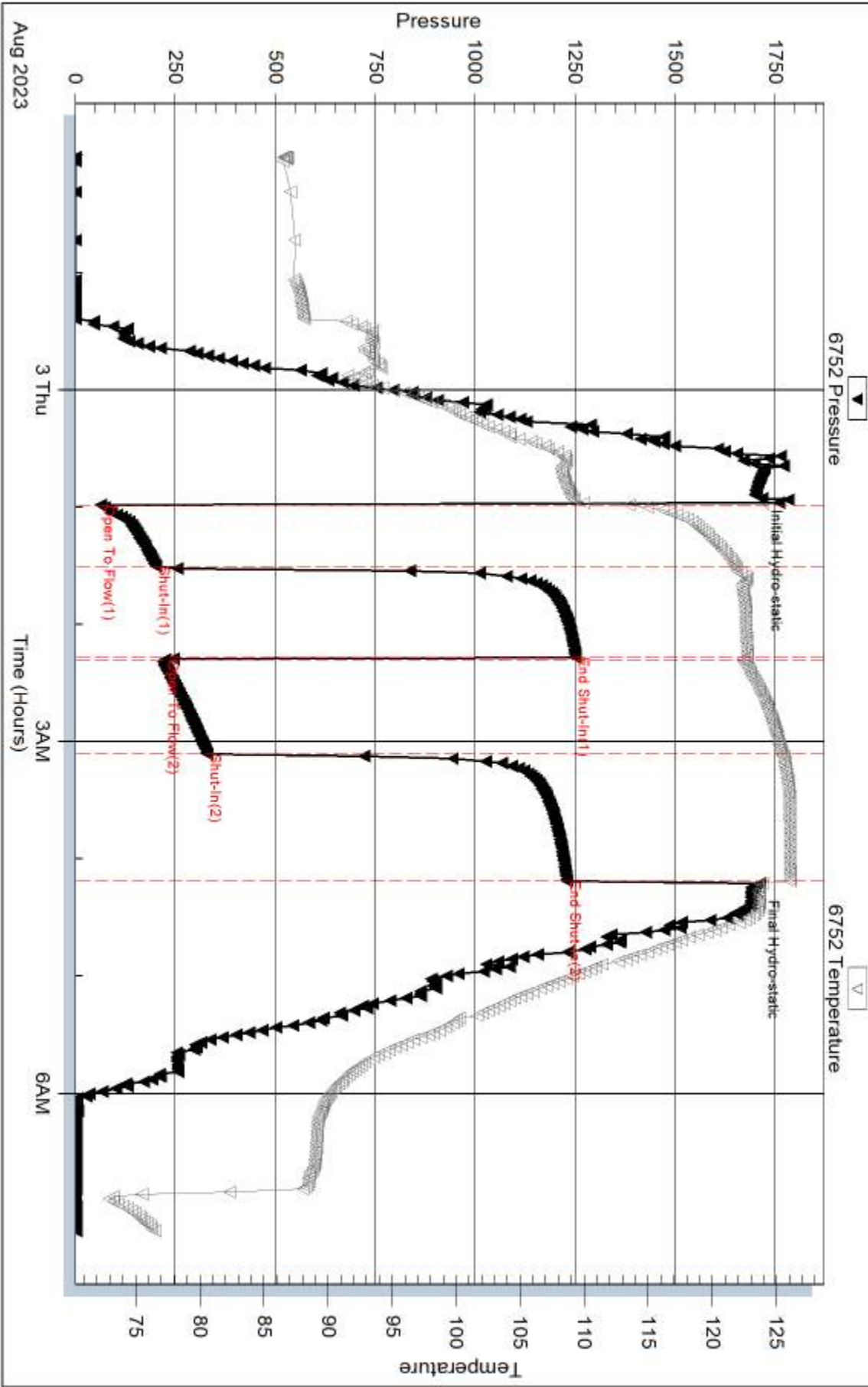
Inside

AGV Corp.

Diamond T #1

DST Test Number: 3

Pressure vs. Time

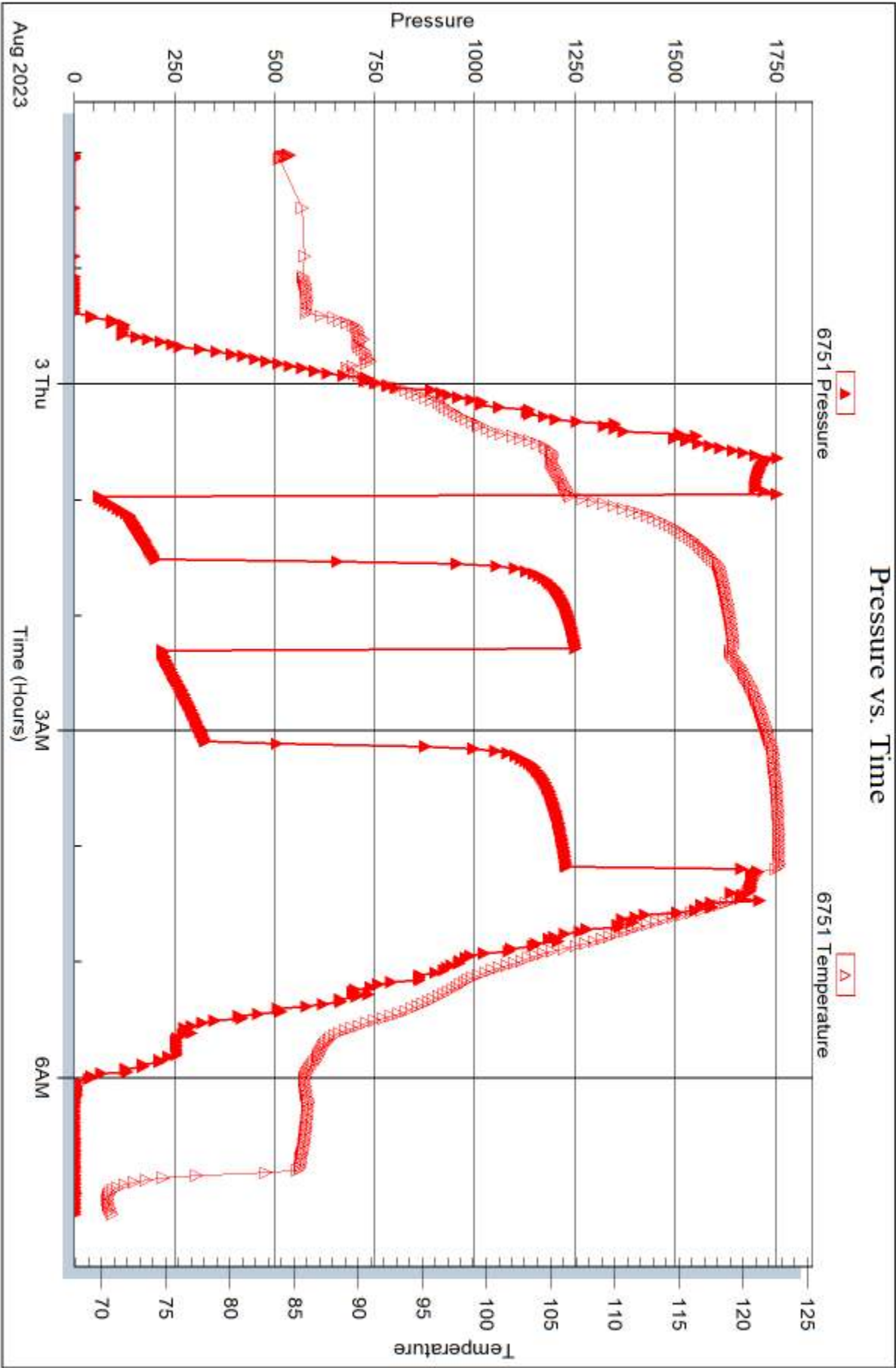


Serial #: 6751

Outside AGV Corp.

Diamond T #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **AGV Corp.**

PO Box 377
Attica. KS 67009

ATTN: Kent Roberts

Diamond T #1

16-34s-1w Sumner,KS

Start Date: 2023.08.04 @ 10:15:00

End Date: 2023.08.04 @ 18:45:02

Job Ticket #: 71036 DST #: 4

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

Printed: 2023.08.09 @ 11:28:52



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71036

DST#: 4

Test Start: 2023.08.04 @ 10:15:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:59:32

Time Test Ended: 18:45:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3954.00 ft (KB) To 4000.00 ft (KB) (TVD)

Total Depth: 4000.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press@RunDepth: 1187.26 psig @ 3955.00 ft (KB)

Start Date: 2023.08.04

End Date:

2023.08.04

Start Time: 10:15:01

End Time:

18:45:02

Capacity: psig

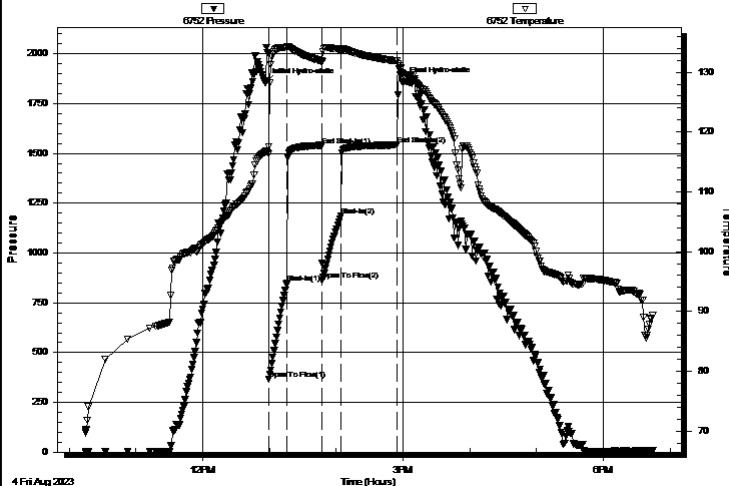
Last Calib.: 1899.12.30

Time On Btm: 2023.08.04 @ 12:56:32

Time Off Btm: 2023.08.04 @ 14:59:32

TEST COMMENT: IF: 15 min., BOB 1 min., strong building blow , 232 inches
IS: 30 min., no blow back
FF: 15 min., BOB 1 min., strong building blow , 200 inches
FS: 45 min., weak surface blow 20 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.56	116.65	Initial Hydro-static
4	366.69	117.53	Open To Flow (1)
20	847.52	134.17	Shut-In(1)
51	1539.85	131.88	End Shut-In(1)
52	864.36	131.78	Open To Flow (2)
69	1187.26	133.87	Shut-In(2)
118	1541.24	131.82	End Shut-In(2)
123	1859.30	129.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2100.00	GW10%G,90%W	27.27

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner,KS

Diamond T #1

Job Ticket: 71036

DST#: 4

Test Start: 2023.08.04 @ 10:15:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:59:32

Time Test Ended: 18:45:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3954.00 ft (KB) To 4000.00 ft (KB) (TVD)

Total Depth: 4000.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 3955.00 ft (KB)

Start Date: 2023.08.04

End Date:

2023.08.04

Start Time: 10:15:01

End Time:

18:45:02

Capacity: psig

Last Calib.:

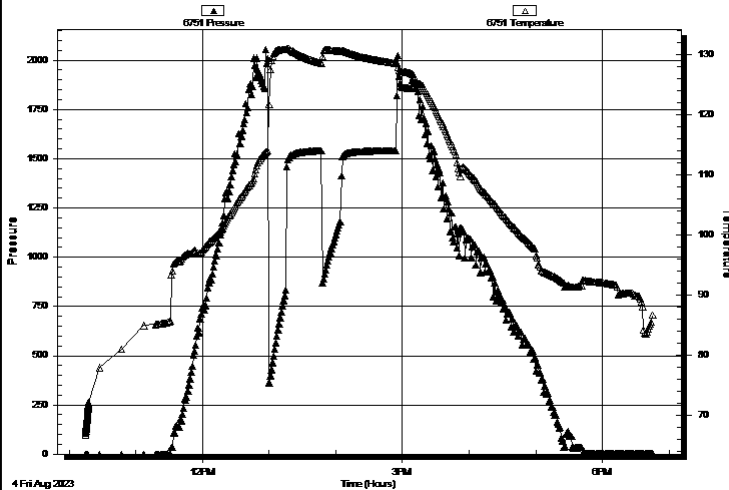
1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 15 min., BOB 1 min., strong building blow , 232 inches
IS: 30 min., no blow back
FF: 15 min., BOB 1 min., strong building blow , 200 inches
FS: 45 min., weak surface blow 20 min.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2100.00	GW10%G,90%W	27.27

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71036

DST#: 4

ATTN: Kent Roberts

Test Start: 2023.08.04 @ 10:15:00

Tool Information

Drill Pipe:	Length:	3695.00 ft	Diameter:	3.80 inches	Volume:	51.83 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	240.00 ft	Diameter:	2.25 inches	Volume:	1.18 bbl	Weight to Pull Loose:	100000.0 lb
					Total Volume:	53.01 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		11.00 ft					String Weight: Initial	86000.00 lb
Depth to Top Packer:		3954.00 ft					Final	97000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		46.00 ft						
Tool Length:		76.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

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

Shut In Tool	5.00		3929.00	
Hydraulic tool	5.00		3934.00	
Isolator Sub	3.00		3937.00	
Jars	5.00		3942.00	
Safety Joint	3.00		3945.00	
Packer	5.00		3950.00	30.00 Bottom Of Top Packer
Packer	4.00		3954.00	
Stubb	1.00		3955.00	
Recorder	0.00	6752 Inside	3955.00	
Recorder	0.00	6751 Outside	3955.00	
Pickup sub perf	5.00		3960.00	
Perforations	4.00		3964.00	
Change Over Sub	1.00		3965.00	
Drill Pipe	31.00		3996.00	
Change Over Sub	1.00		3997.00	
Bullnose	3.00		4000.00	46.00 Bottom Packers & Anchor
Total Tool Length:	76.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71036

DST#: 4

ATTN: Kent Roberts

Test Start: 2023.08.04 @ 10:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

27000 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2100.00	GW10%G,90%W	27.271

Total Length: 2100.00 ft Total Volume: 27.271 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .220@81F=27000ppm
120'GIP

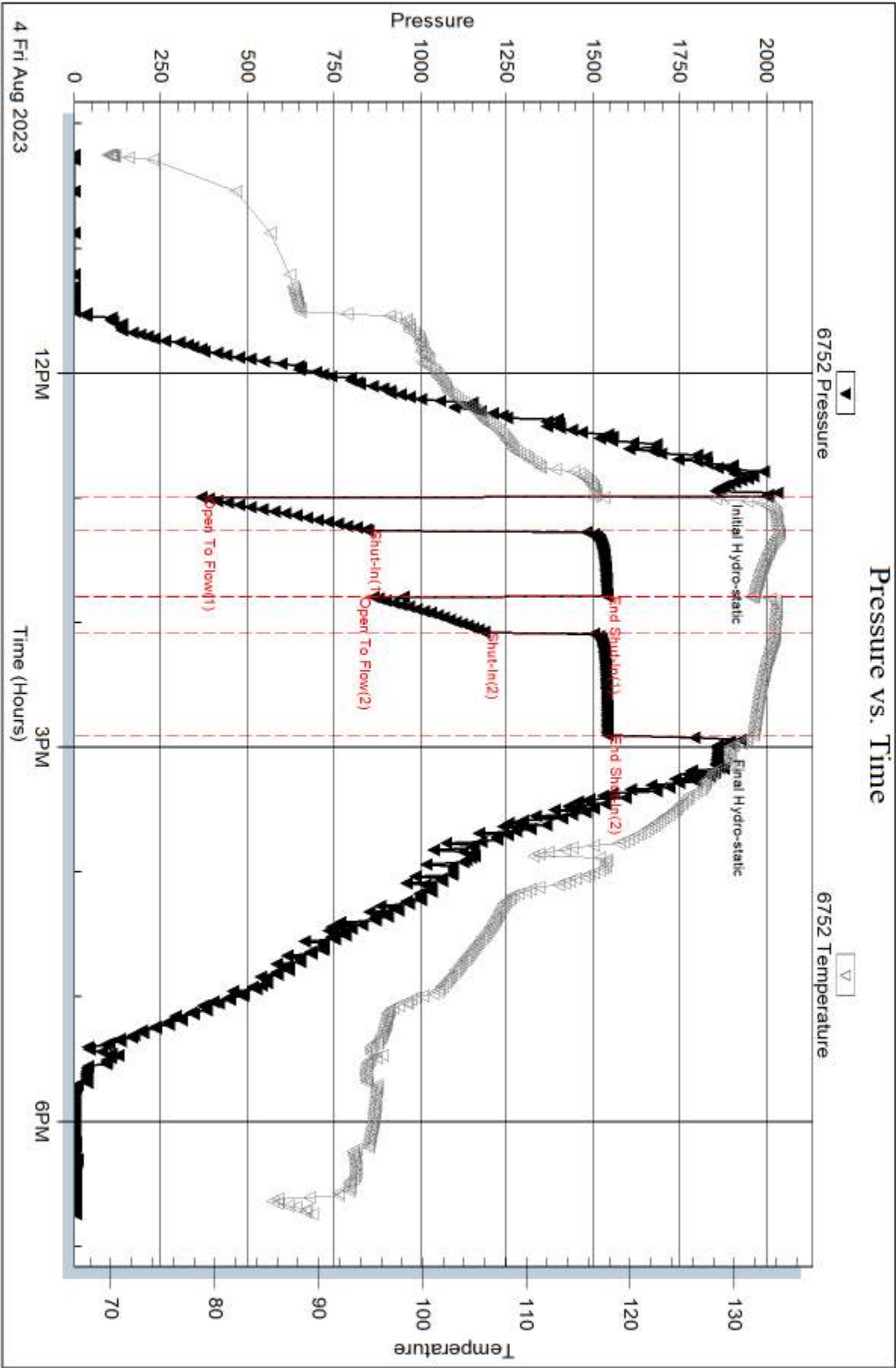
Serial #: 6752

Inside

AGV Corp.

Diamond T #1

DST Test Number: 4

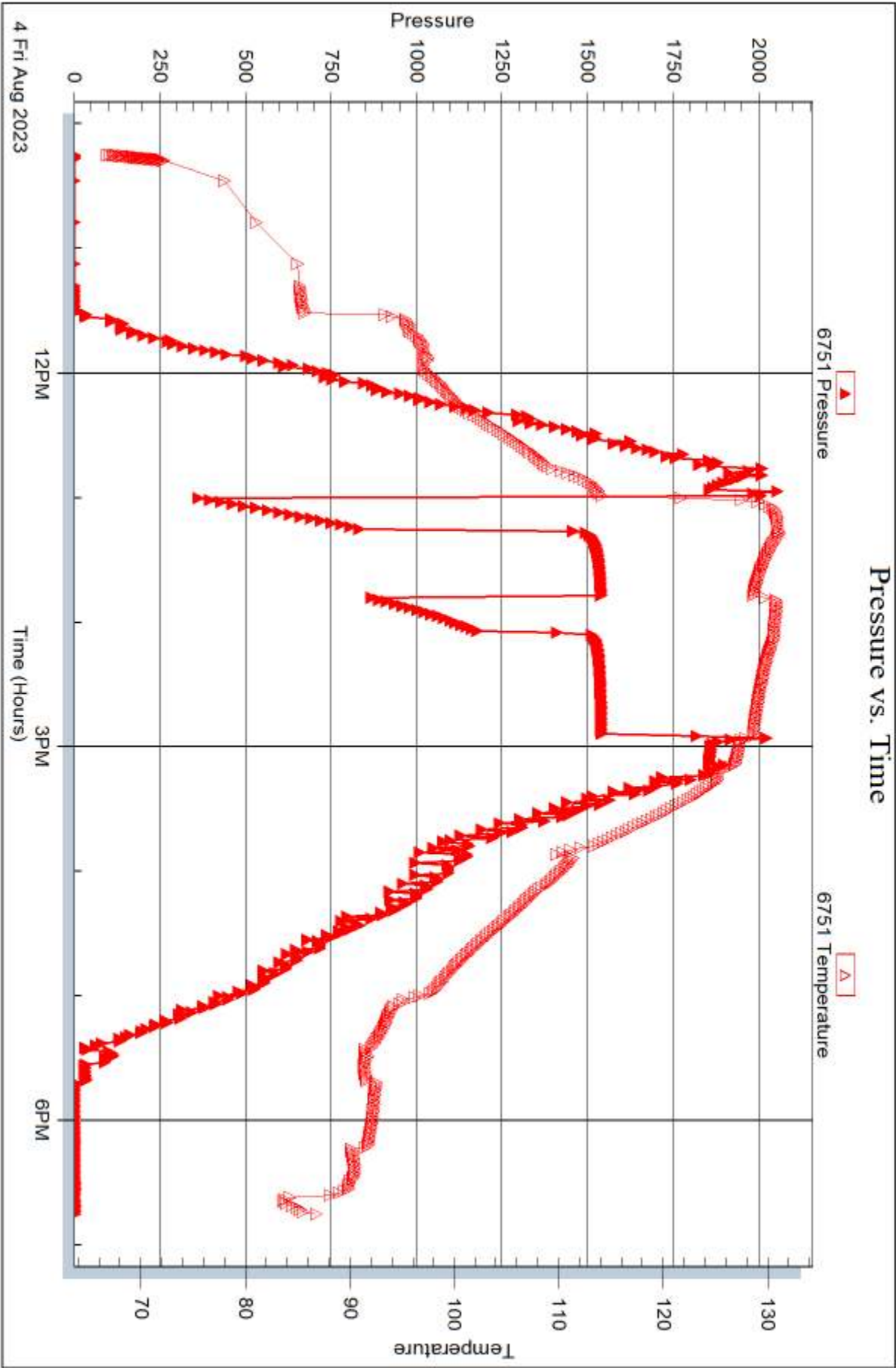


Serial #: 6751

Outside AGV Corp.

Diamond T #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **AGV Corp.**

PO Box 377
Attica. KS 67009

ATTN: Kent Roberts

Diamond T #1

16-34s-1w Sumner,KS

Start Date: 2023.08.05 @ 20:26:00

End Date: 2023.08.06 @ 21:17:02

Job Ticket #: 71037 DST #: 5

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

Printed: 2023.08.09 @ 11:25:10



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71037

DST#: 5

Test Start: 2023.08.05 @ 20:26:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:51:02

Time Test Ended: 21:17:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4070.00 ft (KB) To 4094.00 ft (KB) (TVD)

Total Depth: 4094.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press@RunDepth: 1121.62 psig @ 4072.00 ft (KB)

Start Date: 2023.08.05

End Date:

2023.08.06

Start Time: 20:26:01

End Time:

21:17:02

Capacity: psig

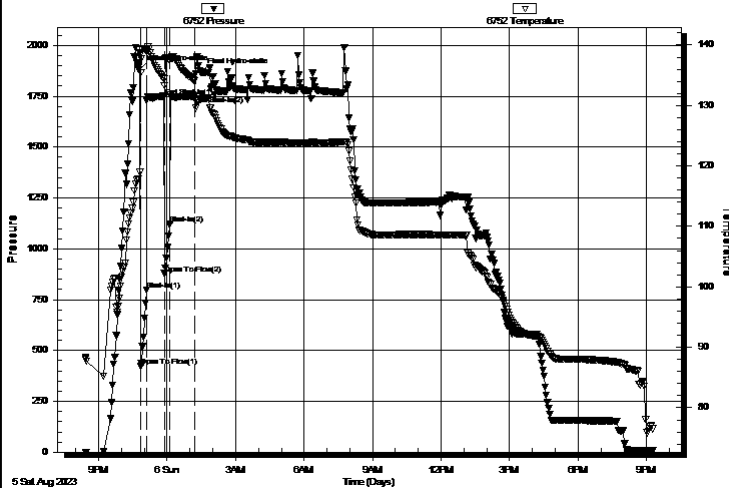
Last Calib.: 1899.12.30

Time On Btm: 2023.08.05 @ 22:47:02

Time Off Btm: 2023.08.06 @ 01:29:02

TEST COMMENT: IF: 15 min., BOB 45 sec., strong building blow, 457 inches
IS: 45 min., immediate blow back, 50 inches
FF: 15 min., BOB 45 sec., strong building blow, 424 inches
FS: 60 min., immediate blow back, GTS when venting, 164 inches

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.92	117.92	Initial Hydro-static
4	423.69	135.38	Open To Flow (1)
20	796.94	138.84	Shut-In(1)
65	1750.20	134.34	End Shut-In(1)
66	878.01	133.23	Open To Flow (2)
81	1121.62	137.42	Shut-In(2)
147	1750.64	134.06	End Shut-In(2)
163	1868.26	131.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2750.00	GO 10%G, 90%O	36.39
0.00	GTS	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

PO Box 377
Attica, KS 67009

ATTN: Kent Roberts

16-34s-1w Sumner, KS

Diamond T #1

Job Ticket: 71037

DST#: 5

Test Start: 2023.08.05 @ 20:26:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:51:02

Time Test Ended: 21:17:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 4070.00 ft (KB) To 4094.00 ft (KB) (TVD)

Total Depth: 4094.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 4072.00 ft (KB)

Start Date: 2023.08.05

End Date:

2023.08.06

Start Time: 20:26:01

End Time:

21:17:02

Capacity: psig

Last Calib.:

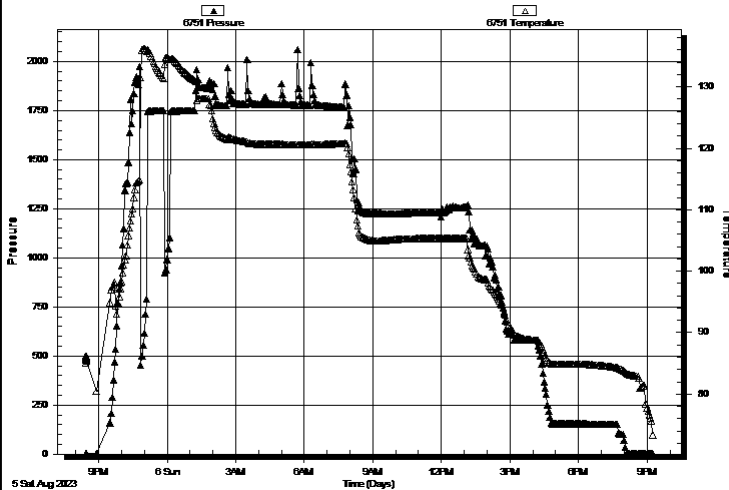
1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 15 min., BOB 45 sec., strong building blow, 457 inches
IS: 45 min., immediate blow back, 50 inches
FF: 15 min., BOB 45 sec., strong building blow, 424 inches
FS: 60 min., immediate blow back, GTS when venting, 164 inches

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2750.00	GO 10%G, 90%O	36.39
0.00	GTS	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71037

DST#: 5

ATTN: Kent Roberts

Test Start: 2023.08.05 @ 20:26:00

Tool Information

Drill Pipe:	Length: 3822.00 ft	Diameter: 3.80 inches	Volume: 53.61 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	105000.0 lb
		Total Volume:	54.79 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	88000.00 lb
Depth to Top Packer:	4070.00 ft			Final	98000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4045.00	
Hydraulic tool	5.00			4050.00	
Isolator Sub	3.00			4053.00	
Jars	5.00			4058.00	
Safety Joint	3.00			4061.00	
Packer	5.00			4066.00	30.00 Bottom Of Top Packer
Packer	4.00			4070.00	
Stubb	1.00			4071.00	
Perforations	1.00			4072.00	
Recorder	0.00	6752	Inside	4072.00	
Recorder	0.00	6751	Outside	4072.00	
Pickup sub perf	5.00			4077.00	
Perforations	14.00			4091.00	
Bullnose	3.00			4094.00	24.00 Bottom Packers & Anchor

Total Tool Length: 54.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corp.

16-34s-1w Sumner,KS

PO Box 377
Attica. KS 67009

Diamond T #1

Job Ticket: 71037

DST#: 5

ATTN: Kent Roberts

Test Start: 2023.08.05 @ 20:26:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 9.57 in³

Resistivity: ohm.m

Salinity: 5200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

37 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2750.00	GO 10%G, 90%O	36.389
0.00	GTS	0.000

Total Length: 2750.00 ft Total Volume: 36.389 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API=39@80F=37

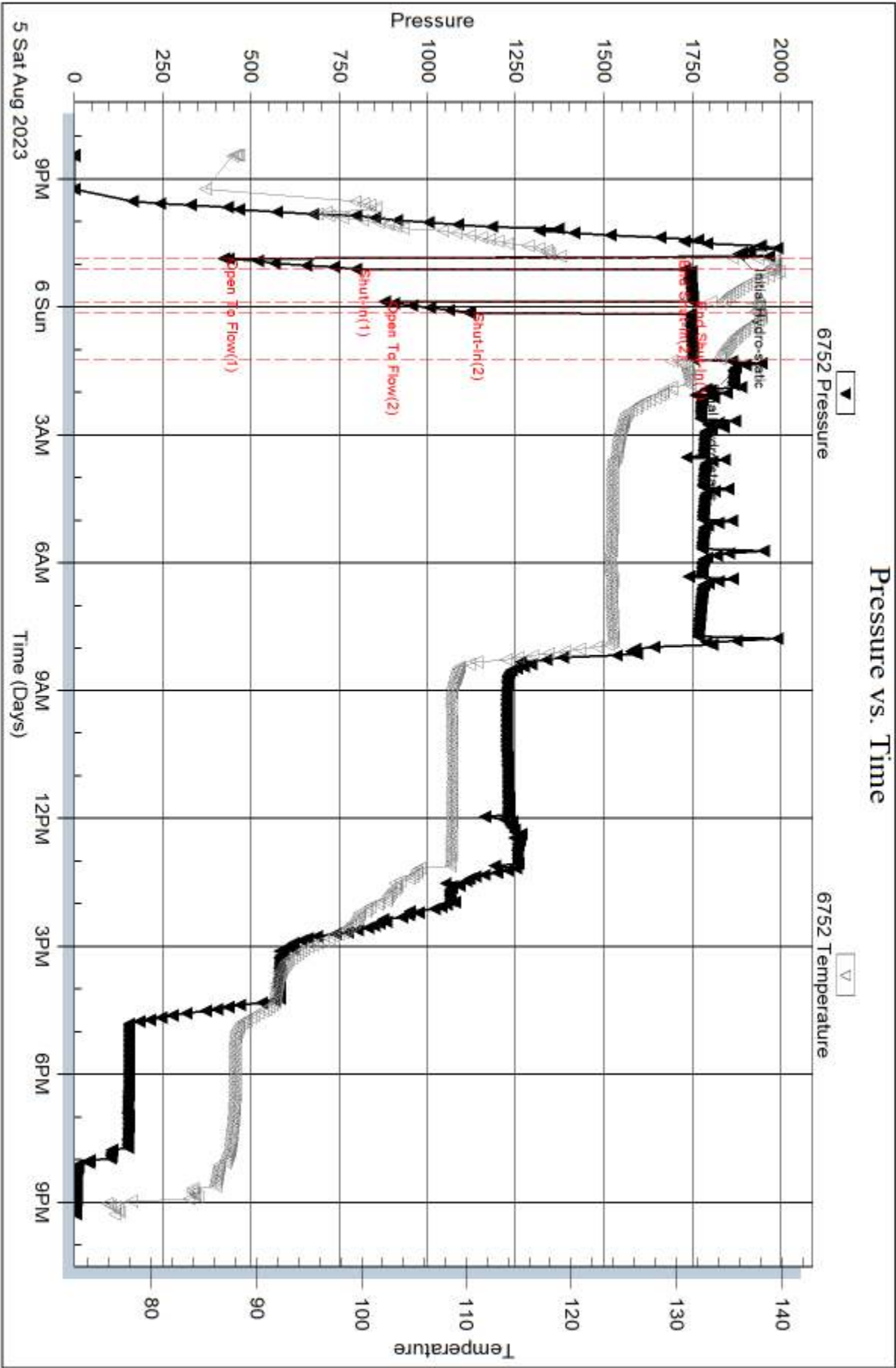
Serial #: 6752

Inside

AGV Corp.

Diamond T #1

DST Test Number: 5



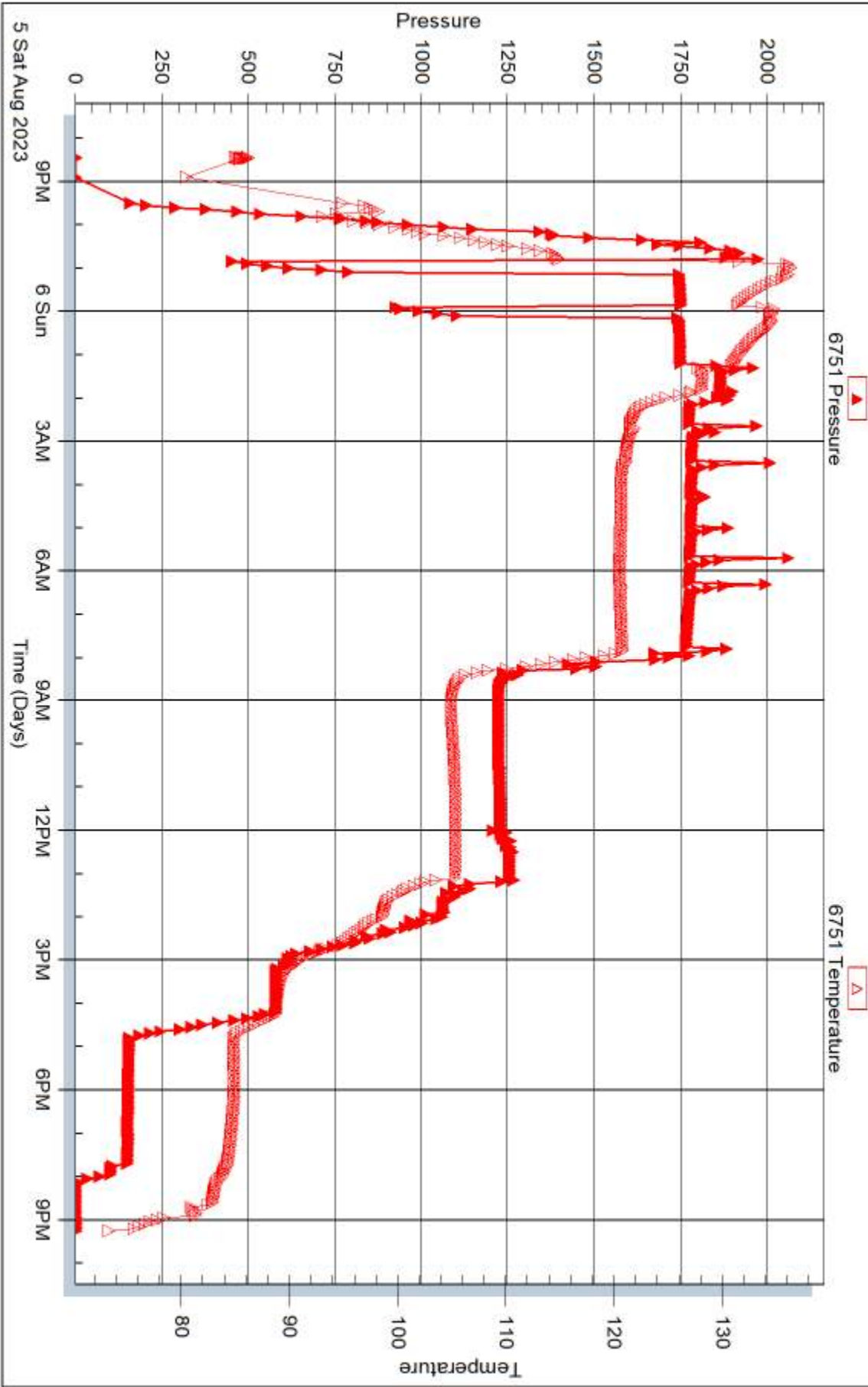
Serial #: 6751

Outside AGV Corp.

Diamond T #1

DST Test Number: 5

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71033**

Well Name & No. Diamond T 1 Test No. 1 Date 8-1-73
Company AGV Corp Elevation 1188 KB ~~1180~~ 1180 GL
Address 123 N Main PO Box 377 Atchita, KS 67009
Co. Rep / Geo Kent Roberts Rig CG #3
Location: Sec. 16 Twp 34 Rge. 1 Co. Sumner State KS

Interval Tested 3665-3676 Zone Tested M.S.S. Chert
Anchor Length 11' Drill Pipe Run 3411 Mud Wt. 9.3
Top Packer Depth 3660 Drill Collars Run 240 Vis SO
Bottom Packer Depth 3665 Wt. Pipe Run N.A. WL 9.6
Total Depth 3676 Chlorides 1700 ppm System LCM 15

Blow Description IF: 30 min., weak building blow, 1.4 inches, slid s-7'
~~IST: 45 min., no blow back~~
~~FF: 35 min., no blow, flushed (no change)~~
FSD: 30 min., no blow back

Rec <u>20</u>	Feet of <u>oil spotted mud</u>	%gas <u>Spot</u>	%oil	%water	<u>100%</u> mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 121 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
Initial Hydrostatic 1759 ☒ Test conv. 1500 ☐ Ruined Shale Packer _____
Initial Flow 74 to 58 ☒ Jars 300 ☐ Ruined Packer _____
Initial Shut-In 1272 ☐ Circ Sub _____ ☒ Hotel _____
Final Flow 333 to 56 ☐ Hourly Standby _____ ☒ EM Tool Successful good
Final Shut-In 1282 ☒ Mileage A 230 116mi 203 ☐ Accessibility _____
Final Hydrostatic 1743 ☐ Sampler 5mi 8.75 ☐ Gas Sample _____
T-On Location 1200 ☐ Straddle _____ ☐ Oversized Hole _____
Initial Flow 30 T-Started 1330 ☐ Shale Packer _____ ☐ Sub Total 0
Initial Shut-In 45 T-Open 1550 ☐ Extra Packer _____ ☐ Total 2011.75
Final Flow 35 T-Pulled 1810 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____
Final Shut-In 30 T-Out 2100 ☐ Day Standby _____ ☐ MP/DST Disc't _____
Comments 1325

Approved By _____ Our Representative Chris Hayman

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. 71034

Well Name & No. Diamond T-1 Test No. 2 Date 8-2-23
Company AGU Corp. Elevation 1188 KB 1180 GL
Address P.O. Box 377 Atchison, KS 67009
Co. Rep / Geo Kent Roberts Rig C2G #3
Location: Sec. 16 Twp 34 Rge. 1 Co. Sumner State KS

Interval Tested 3664-3676 Zone Tested Miss. chert
Anchor Length 12' Drill Pipe Run 3411 Mud Wt. 9.3
Top Packer Depth 3659 Drill Collars Run 240 Vis 56
Bottom Packer Depth 3664 Wt. Pipe Run N.A. WL 11.2
Total Depth 3676 Chlorides 2900 ppm System LCM Tr.

Blow Description 2F: 30 min., weak building blow, 1 inch
1SD: 45 min., no blow back
FF: 60 min., weak surging blow, 1 inch
FSD: 90 min., no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>gassy oily watery mud</u>	<u>5</u>	<u>5</u>	<u>40</u>	<u>50</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 <u>60' GTP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 113 Gravity 1.485 API RW 717 °F Chlorides 12,000 ppm

Initial Hydrostatic 1714 ☒ Test 20W 1800 ☐ Ruined Shale Packer

Initial Flow 26 to 27 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 1255 ☐ Circ Sub ☒ Hotel

Final Flow 96 to 47 ☐ Hourly Standby ☒ EM Tool Successful good

Final Shut-In 1169 ☒ Mileage X 10 17.50 ☐ Accessibility

Final Hydrostatic 1673 ☐ Sampler ☐ Gas Sample

T- On Location 0330 ☐ Straddle ☐ Oversized Hole

Initial Flow 30 T-Started 0400 ☒ Shale Packer X 1.0 250 ☐ Sub Total 0

Initial Shut-In 45 T-Open 0620 ☐ Extra Packer ☐ Total 2367.50

Final Flow 60 T-Pulled 1005 ☐ Extra Recorder ☐ Tool Loaded @

Final Shut-In 90 T-Out 1230 ☐ Day Standby ☐ MP/DST Disc't

Comments 0401

Approved By _____ Our Representative Chris Hageman

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. 71035

Well Name & No. Diamond 71 Test No. 3 Date 8-2-23
Company AGV Corp. Elevation 1188 KB 1180 GL
Address P.O. Box 377 Attila, KS 67009
Co. Rep / Geo Kent Roberts Rig G & G 43
Location: Sec. 16 Twp 34 Rge. 1 Co. Sumner State KS

Interval Tested 3693-3708 Zone Tested Lower Miss.
Anchor Length 15' Drill Pipe Run 3442 Mud Wt. 8.8
Top Packer Depth 3688 Drill Collars Run 240 Vis 48
Bottom Packer Depth 3693 Wt. Pipe Run N.A. WL 10.2
Total Depth 3708 Chlorides 17100 ppm System LCM Ø

Blow Description 2P: 30 min., BOB 9 min., strong building blow, 28 inches
75: 45 min., no blow back
FP: 45 min., BOB 15 min., strong building blow, 31 inches
PS: 60 min., no blow back

Rec <u>730</u>	Feet of <u>water</u>	%gas	%oil	100%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 730 BHT 126 Gravity _____ API RW -490 @ 80 °F Chlorides 12,000 ppm

Initial Hydrostatic 1700 ☒ Test conv. 1800 ☐ Ruined Shale Packer _____

Initial Flow 64 to 202 ☒ Jars 300 ☐ Ruined Packer _____

Initial Shut-In 1251 ☐ Circ Sub _____ ☒ Hotel _____

Final Flow 225 to 329 ☐ Hourly Standby _____ ☒ EM Tool Successful good

Final Shut-In 1230 ☒ Mileage x 10 17.50 ☐ Accessibility _____

Final Hydrostatic 1693 ☐ Sampler _____ ☐ Gas Sample _____

T-On Location 2100 ☐ Straddle _____ ☐ Oversized Hole _____

Initial Flow 30 T-Started 2200 ☐ Shale Packer _____ ☐ Sub Total 0

Initial Shut-In 45 T-Open 0110 ☐ Extra Packer _____ ☐ Total 2117.50

Final Flow 45 T-Pulled 0410 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____

Final Shut-In 60 T-Out 0700 ☐ Day Standby _____ ☐ MP/DST Disc't _____

Comments 2201

Approved By _____ Our Representative Chris Haysman

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. 71036

Well Name & No. Diamond T-1 Test No. 4 Date 8-4-23
Company AGU Corp. Elevation 1188 KB 1180 GL
Address P.O. Box 377 Athia, KS 67009
Co. Rep / Geo Kent Roberts Rig COC #3
Location: Sec. 16 Twp 34 Rge. 1 Co. Sumner State KS

Interval Tested 3954-4000 Zone Tested Simpson, Snd
Anchor Length 46' Drill Pipe Run 3695 Mud Wt. 9.2
Top Packer Depth 3949 Drill Collars Run 240 Vis 69
Bottom Packer Depth 3954 Wt. Pipe Run N.A. WL 11.2
Total Depth 4000 Chlorides 9200 ppm System LCM 3

Blow Description IF: 15 min., BOB 1 min., strong building blow, 232 inches
IS: 30 min., no blow back
FF: 15 min., BOB 1 min., strong building blow, 200 inches
FS: 45 min., weak surface blow back 20 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2100</u>	<u>gassy water</u>	<u>10</u>		<u>90</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 <u>120' GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2100 BHT 132 Gravity _____ API RW .220 @ 81 °F Chlorides 27,000 ppm

Initial Hydrostatic 1856 ☒ Test conv. 1800 ☐ Ruined Shale Packer _____

Initial Flow 367 to 848 ☒ Jars 300 ☐ Ruined Packer _____

Initial Shut-In 1540 ☐ Circ Sub _____ ☒ Hotel _____

Final Flow 864 to 1187 ☐ Hourly Standby _____ ☒ EM Tool Successful good

Final Shut-In 1541 ☒ Mileage X 10 17.50 ☐ Accessibility _____

Final Hydrostatic 1859 ☐ Sampler _____ ☐ Gas Sample _____

T-On Location 0930 ☐ Straddle _____ ☐ Oversized Hole _____

Initial Flow 15 T-Started 1030 ☒ Shale Packer X 1.0 250 ☐ Sub Total _____

Initial Shut-In 30 T-Open 1305 ☐ Extra Packer _____ ☐ Total _____

Final Flow 15 T-Pulled 1450 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____

Final Shut-In 45 T-Out 1900 ☐ Day Standby _____ ☐ MP/DST Disc't _____

Comments 1015

Approved By _____ Our Representative Chris Hagen

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. **71037**

Well Name & No. Diamond T-1 Test No. 5 Date 8-5-83
 Company AGU Corp. Elevation 1188 KB 1180 GL
 Address P.O. Box 377 Atchita, KS 67009
 Co. Rep / Geo. Kent Roberts Rig C0603
 Location: Sec. 16 Twp 34 Rge. 1 Co. Sumner State KS

Interval Tested 4070-4094 Zone Tested Arbuckle
 Anchor Length 24' Drill Pipe Run 3822 Mud Wt. 8.9
 Top Packer Depth 4065 Drill Collars Run ~~240~~ 240 Vis 45
 Bottom Packer Depth 4070 Wt. Pipe Run N.A. WL 9.6
 Total Depth 4094 Chlorides 5200 ppm System LCM 3#

Blow Description IF: 15 min., ROB 45 sec., strong building blow, 457 inches
IS: 45 min., immediate blow back, 50 inches
FP: 15 min., ROB 45 sec., strong building blow, 424 inches
ESI: 60 min., immediate blow back, CTS when venting, 164 inches

Rec <u>2750</u>	Feet of <u>gassy oil</u>	<u>10%</u> gas	<u>90%</u> oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 2750 BHT 135 Gravity 37 API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 1880 ☒ Test conv 1950 ☒ Ruined Shale Packer X 1.0 550
 Initial Flow 424 to 797 ☒ Jars 300 ☐ Ruined Packer _____
 Initial Shut-In 1750 ☒ Circ Sub _____ ☒ Hotel _____
 Final Flow 878 to 1122 ☐ Hourly Standby 6.25h 625 ☒ EM Tool Successful -175
 Final Shut-In 1751 ☒ Mileage X 10 8.75 + 17.50 ☐ Accessibility _____
 Final Hydrostatic 1868 ☐ Sampler 17.50 + 203 ☐ Gas Sample _____
 T-On Location 1930 ☐ Straddle _____ ☐ Oversized Hole _____
 Initial Flow 15 T-Started 2030 ☒ Shale Packer X 1.0 250 ☐ Sub Total -175
 Initial Shut-In 45 T-Open ~~2030~~ 230 ☐ Extra Packer _____ ☐ Total 3371.75 2100
 Final Flow 15 T-Pulled 0115 ☐ Extra Recorder _____ ☒ Tool Loaded 8-6 @ ~~2030~~
 Final Shut-In 60 T-Out 8-6 (2100) ☐ Day Standby _____ ☐ MP/DST Disc't _____
 Comments 2026

Pulled tool, waited for daylight. Went to motel to wait for daylight and after the rig broke down
 8.25h combined

Approved By _____ Our Representative Chris Hagon

Trilobite Testing Inc. shall not be liable for damage of any kind of 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: DIAMOND T #1

Location: 2040' FNL & 615' FWL of Sec.16-T34S-R1E

Licence Number: 15-191-22860-00-00

Region: Sumner Co., KS

Spud Date: 07/28/2023

Drilling Completed: 08/07/2023

Surface Coordinates: NAD83

Lat: 37.095202 Long: -97.326953

Bottom Hole Vertical Well

Coordinates:

Ground Elevation (ft): 1180'

K.B. Elevation (ft): 1189'

Logged Interval (ft): 340' To: RTD

Total Depth (ft): 4094'

Formation: Arbuckle

Type of Drilling Fluid: Chemical Mud by Mud-Co

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: 340' to RTD

SAMPLES SAVED FROM: 2200' to RTD

SAMPLES EXAMINED FROM: 2200' to RTD

GEOLOGICAL SUPERVISION FROM: 1800' to RTD

ELECTRICAL SURVEYS: ELI ran CDL/CNL w/ PE, DIL, MEL, SONIC from TD to Surface

DAILY ACTIVITY @ 0700 HRS

7/27/23

C&G Drlg MIRT

7/28/23

Spud Well @ 10:30 AM. Cut 12-1/4" hole to 267'. Ran 6 jts New 8-5/8" x 24# casing, Set @ 262'. Elite cemented with 170 sacks Class A (2% gel, 3% cc 1/4#/sack floseal). Cement Did Circulate, Plug Down @ 5:40 PM

7/29/23

Depth 423', Drilling. Drilled out under surface @ 4:50 AM

7/30/23

Depth 1984'. At 1974' Lost pump psi, TOH looking for hole in pipe. Did not find anything, TIH & resume drilling. At 8:00 AM, depth 2004' twisted off pin end of top collar. Fished collars, and resume drilling 4:30 PM

7/31/23

Depth 2880' Drilling.

8/1/23

Depth 3676'. Short trip, prepare for DST #1. Appears a shallow zone is flowing in salt water when tripping pipe and contaminating mud system

8/2/23

Depth 3676'. On bottom w/ DST #2

8/3/23

Depth 3708'. TOH w/ DST #3, prepare to Drill ahead

8/4/23

Depth 4000', CFS, prepare for DST #4

8/5/23

Depth 4028' Down 6-1/2 hours last night working on draw works and 4-1/2 hrs mixing mud

8/6/23

Depth 4094' Prepare to TOH w/ DST #5. High Speed Shaft on draw works broke with 39 stands to pull. Down 6 hrs to weld and then limp out of hole. Unable to go back in hole to bottom. Ran Collars then laid down, Ran 1/2 drillpipe, laid down, Ran and laid down remainder of drill pipe

8/7/23

Depth 4094' RTD. Running Open hole logs. Prepare to run 5-1/2 casing for Open Hole completion

CASING DATA**CONDUCTOR CASING:** None

SURFACE CASING: Ran 6 jts new 8-5/8" x 24# casing tally 252.58' set at 262' KB. Elite cemented with 170 sacks Class A (2% gel, 3% CC, 1/4#/sack flo-seal @ 15 #/gal.) Plug down 5:40 PM. Cement did circulate.

****No Fluid Loss while drilling surface hole****

PRODUCTION : Ran packer shoe on bottom, AF Latch down insert in top of 1st joint. Ran 97 jts Used Tested & Drifted 5-1/2 x 15.5# STC casing Tally 4097.68 set @ 4089' KB. Shoe jt = 41.97 w/ PBTD insert @ 4047'. Ran Centralizers on collars 1-2-4-6-8-10-12. Basket Centralizers on collars 15-60 and DV 2-stage cement tool on 61 @ 1555'. Circulated out 6' fill, tag hard bottom @ 4094', CTCH 1 Hr. Elite Cementing Service rig up to casing, drop ball and set packer shoe @ 4089' w/ 1650 psi. Stage 1: Pumped 15 bbl water ahead of 50 sacks 60/40 pozmix (8% gel, 2# phenoseal/sack) @ 12.7 #/gal, tailed in with 150 sacks Thickset cement (5# Kolseal & 2# Phenoseal per sack, 30# CFL-115 @ 13.8# / gal), yield 1.85 = 49 bbl slurry. Released latch down flex plug and displaced plug to insert float shoe w/ 99.5 bbl fresh water Final lift 1000 psi, plug landed and pressure to 1500psi. Waited 2 minutes, released pressure and plug held. Dropped trip bomb for DV tool, wait 7 minutes then opened DV tool w/ 1050 psi. CTCH 2 hours, Stage 2: pumped 10 bbl fresh water ahead, mix 320 sacks 60/40 poz (8% gel, 2# phenoseal/sack @ 12.7 #/gal) yield 1.70 = 97 bbl slurry, released closing plug to DV seat w/ 37 bbl water, closed DV tool @ 1050 psi, bumped plug to 1500 psi, Released pressure, tool closed and held. Circulated approximately 20 bbl to pit. All cementing completed @ 10:45 PM 8/7/23
Plug rat hole w/ 20 sx and mouse hole w/ 15 sx.

OPERATOR: AGV CORP.**WELL NAME:** Diamond T #1

ELEV. G.L. = 1180
K.B. = 1189

FORMATION TOPS	Sample		E- Log	
HEEBNER SHALE	2261	-1072	2261	-1072
IATAN LIME	2572	-1383	2576	-1387
STALNAKER SAND	2621	-1432	2622	
UPPER LAYTON SAND	3026	-1837	3024	-1835
LOWER LAYTON SAND	3065	-1876	ABSENT	
KANSAS CITY	3196	-2007	3192	-2003
BASE KANSAS CITY	3291	-2102	3287	-2098
MARMATON	3370	-2181	3366	-2177
CHEROKEE SHALE	3501	-2312	3496	-2307
MISSISSIPPI CHERT	3662	-2473	3644	-2455
KINDERHOOK SHALE	3920	-2731	3916	-2727
SIMPSON SAND	3990	-2801	3986	-2797
ARBUCKLE	4086	-2897	4081	-2892
TOTAL DEPTH	4094	-2905	4091	-2902



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

16/34/1

P.O. Box 377
Attica, KS 67009

Diamond T 1

Job Ticket: 71033

DST#: 1

ATTN: Kent Roberts

Test Start: 2023.08.01 @ 13:25:00

GENERAL INFORMATION:

Formation: Miss Chert

Deviated: No Whipstock: 1180.00 ft (KB)

Time Tool Opened: 15:46:17

Time Test Ended: 21:03:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3655.00 ft (KB) To 3676.00 ft (KB) (TVD)

Total Depth: 3676.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 55.71 psig @ 3666.00 ft (KB)

Start Date: 2023.08.01

End Date:

2023.08.01

Start Time: 13:25:00

End Time:

21:03:02

Capacity: psig

Last Calib.: 1899.12.30

Time On Btm: 2023.08.01 @ 15:40:17

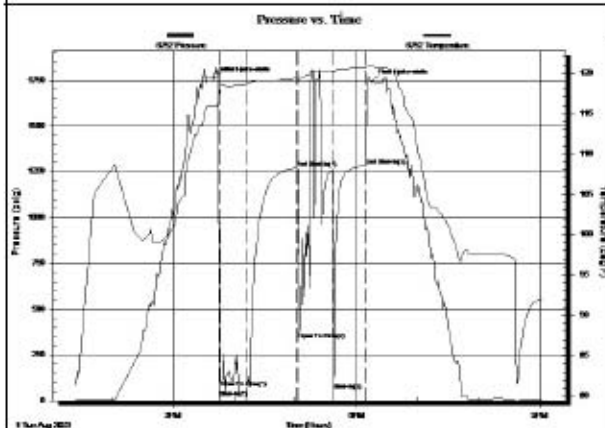
Time Off Btm: 2023.08.01 @ 18:15:17

TEST COMMENT: IF: 30 min., weak building blow, 1.4 inches, slid tool 5-7'

IS: 45 min., no blow back

FF: 35 min., no blow, flushed tool, no change, shut in

FS: 30 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1758.73	115.85	Initial Hydro-static
7	73.54	118.66	Open To Flow (1)
34	58.06	118.67	Shut-in(1)
82	1271.87	119.32	End Shut-in(1)
84	332.76	119.17	Open To Flow (2)
118	55.71	119.95	Shut-in(2)
150	1282.22	120.66	End Shut-in(2)
155	1742.60	120.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	oil spotted mud	0.10

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

16/34/1

P.O. Box 377
Attica, KS 67009

Diamond T 1

Job Ticket: 71034

DST#: 2

ATTN: Kent Roberts

Test Start: 2023.08.02 @ 04:01:00

GENERAL INFORMATION:

Formation: Miss Chert

Deviated: No Whipstock: 1180.00 ft (KB)

Time Tool Opened: 06:16:47

Time Test Ended: 12:35:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3664.00 ft (KB) To 3676.00 ft (KB) (TVD)

Total Depth: 3676.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6751 Outside

Press@RunDepth: 46.52 psig @ 3666.00 ft (KB)

Start Date: 2023.08.02 End Date: 2023.08.02

Start Time: 04:01:00 End Time: 12:35:02

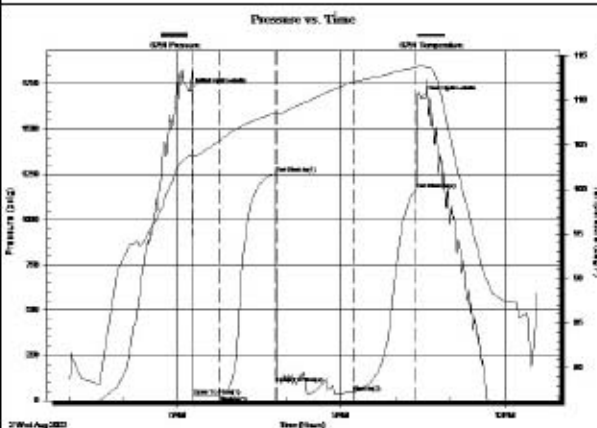
Capacity: psig

Last Calib.: 1899.12.30

Time On Btm: 2023.08.02 @ 06:13:02

Time Off Btm: 2023.08.02 @ 10:28:02

TEST COMMENT: IF: 30 min., weak building blow, 1 inch
IS: 45 min., no blow back
FF: 60 min., weak surging blow, 1 inch
FS: 90 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.26	103.77	Initial Hydro-static
4	26.38	103.11	Open To Flow (1)
33	26.61	105.48	Shut-In (1)
96	1255.27	108.56	End Shut-In (1)
96	96.32	108.00	Open To Flow (2)
180	46.52	112.02	Shut-In (2)
249	1168.91	113.64	End Shut-In (2)
255	1673.13	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gassy oily watery mud 5% G, 5% O, 40% W, 0.30 M	

Gas Rates

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

Triobite Testing, Inc

Ref. No: 71034

Printed: 2023.08.02 @ 13:17:15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

16/34/1

P.O. Box 377
Attica, KS 67009

Diamond T 1

Job Ticket: 71035

DST#: 3

ATTN: Kent Roberts

Test Start: 2023.08.02 @ 22:01:00

GENERAL INFORMATION:

Formation: **Lower Miss.**

Deviated: No Whipstock: 1180.00 ft (KB)

Time Tool Opened: 00:58:47

Time Test Ended: 07:11:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 89

Interval: 3693.00 ft (KB) To 3708.00 ft (KB) (TVD)

Total Depth: 3708.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 329.31 psig @ 3695.00 ft (KB)

Start Date: 2023.08.02

End Date:

2023.08.03

Start Time: 22:01:00

End Time:

07:11:02

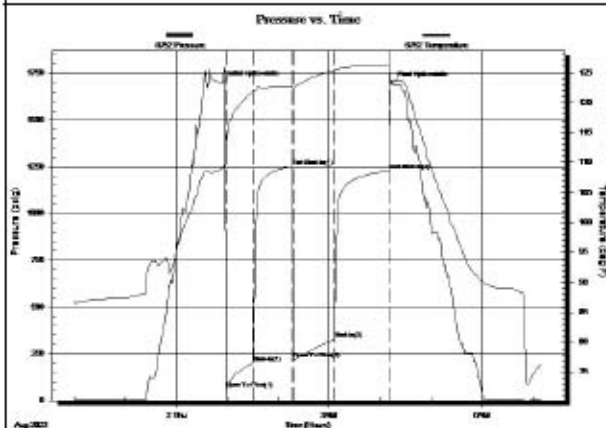
Capacity: psig

Last Calib.: 1899.12.30

Time On Btm: 2023.08.03 @ 00:54:17

Time Off Btm: 2023.08.03 @ 04:14:17

TEST COMMENT: IF: 30 min., BOB 9 min., strong building blow, 28 inches
IS: 45 min., no blow back
FF: 45 min., BOB 15 min., strong building blow, 31 inches
FS: 60 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.04	109.01	Initial Hydro-static
5	64.23	113.51	Open To Flow (1)
36	202.17	121.81	Shut-In(1)
83	1251.44	122.71	End Shut-In(1)
84	224.56	122.37	Open To Flow (2)
132	329.31	125.41	Shut-In(2)
198	1229.67	126.03	End Shut-In(2)
200	1692.74	123.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
730.00	100%W	8.05

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 71035

Printed: 2023.08.03 @ 07:34:46



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.

16/34/1

P.O. Box 377
Attica, KS 67009

Diamond T 1

Job Ticket: 71036

DST#: 4

ATTN: Kent Roberts

Test Start: 2023.08.04 @ 10:15:00

GENERAL INFORMATION:

Formation: **Simpson Snd**

Deviated: No Whipstock: 1180.00 ft (KB)

Time Tool Opened: 12:59:32

Time Test Ended: 18:45:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 69

Interval: 3954.00 ft (KB) To 4000.00 ft (KB) (TVD)

Total Depth: 4000.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1188.00 ft (KB)

1180.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 1187.26 psig @ 3955.00 ft (KB)

Start Date: 2023.08.04

End Date: 2023.08.04

Start Time: 10:15:00

End Time: 18:45:02

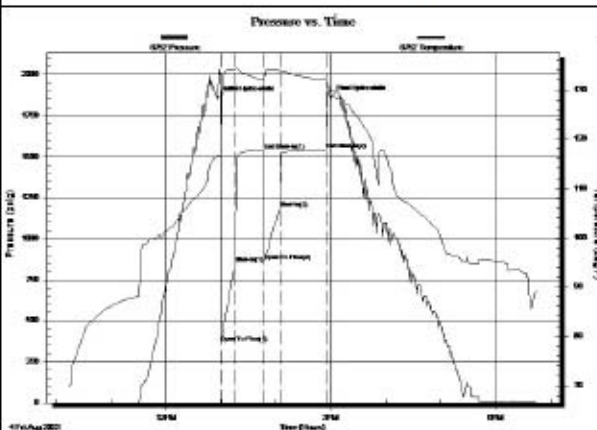
Capacity: psig

Last Calib.: 1899.12.30

Time On Btm: 2023.08.04 @ 12:56:32

Time Off Btm: 2023.08.04 @ 14:59:32

TEST COMMENT: IF: 15 min., BOB 1 min., strong building blow, 232 inches
IS: 30 min., no blow back
FF: 15 min., BOB 1 min., strong building blow, 200 inches
FS: 45 min., weak surface blow 20 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.56	116.65	Initial Hydro-static
4	366.69	117.53	Open To Flow (1)
20	847.52	134.17	Shut-In (1)
51	1539.85	131.88	End Shut-In (1)
52	864.36	131.78	Open To Flow (2)
69	1187.26	133.87	Shut-In (2)
118	1541.24	131.82	End Shut-In (2)
123	1859.30	129.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2100.00	gassy water 10%G,90%W	27.27

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AGV Corp.
P.O. Box 377
Attica, KS 67009
ATTN: Kent Roberts

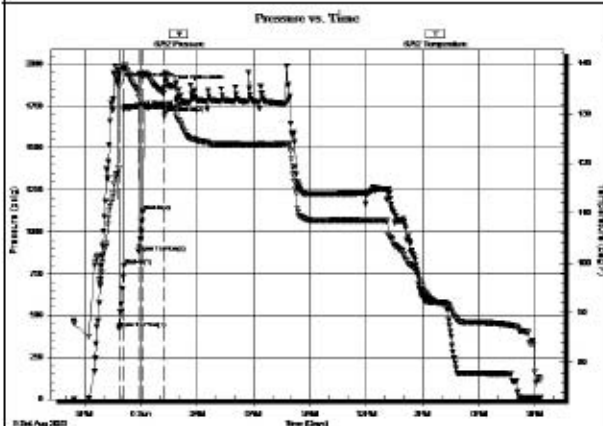
16/34/1
Diamond T 1
Job Ticket: 71037
DST#: 5
Test Start: 2023.08.05 @ 20:26:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: 1180.00 ft (KB)
Time Tool Opened: 22:51:02
Time Test Ended: 21:17:02
Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69
Interval: 4070.00 ft (KB) To 4094.00 ft (KB) (TVD)
Total Depth: 4094.00 ft (KB) (TVD)
Reference Elevations: 1188.00 ft (KB)
1180.00 ft (CF)
Hole Diameter: 7.80 inches Hole Condition: Good
KB to GR/CF: 8.00 ft

Serial #: 6752 Inside
Press@RunDepth: 1121.62 psig @ 4072.00 ft (KB)
Start Date: 2023.08.05 End Date: 2023.08.06
Start Time: 20:26:01 End Time: 21:17:01
Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2023.08.05 @ 22:47:02
Time Off Btm: 2023.08.06 @ 01:29:02

TEST COMMENT: IF: 15 min., BOB 45 sec., strong building blow, 457 inches
IS: 45 min., immediate blow back, 50 inches
FF: 15 min., BOB 45 sec., strong building blow, 424 inches
FS: 60 min., immediate blow back, GTS when venting, 164 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.92	117.92	Initial Hydro-static
4	423.69	135.38	Open To Flow (1)
20	796.94	138.84	Shut-In(1)
66	1750.20	134.34	End Shut-In(1)
66	878.01	133.23	Open To Flow (2)
81	1121.62	137.42	Shut-In(2)
147	1750.64	134.06	End Shut-In(2)
163	1868.26	131.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2750.00	gassy oil 10%G, 90%O	36.39

Gas Rates

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

COMMENTS

The primary objective for the Diamond T #1 was the Arbuckle, This zone ran structurally high as projected based upon previous wells in the Portland field that were open hole completed in the Simpson Sand. Based on sample analysis and DST results it is recommended 5-1/2' casing be ran to open hole complete the Arbuckle from 4089' to 4094'. Prior to abandonment the following zones should be perforated and tested based on Electric Log depths:

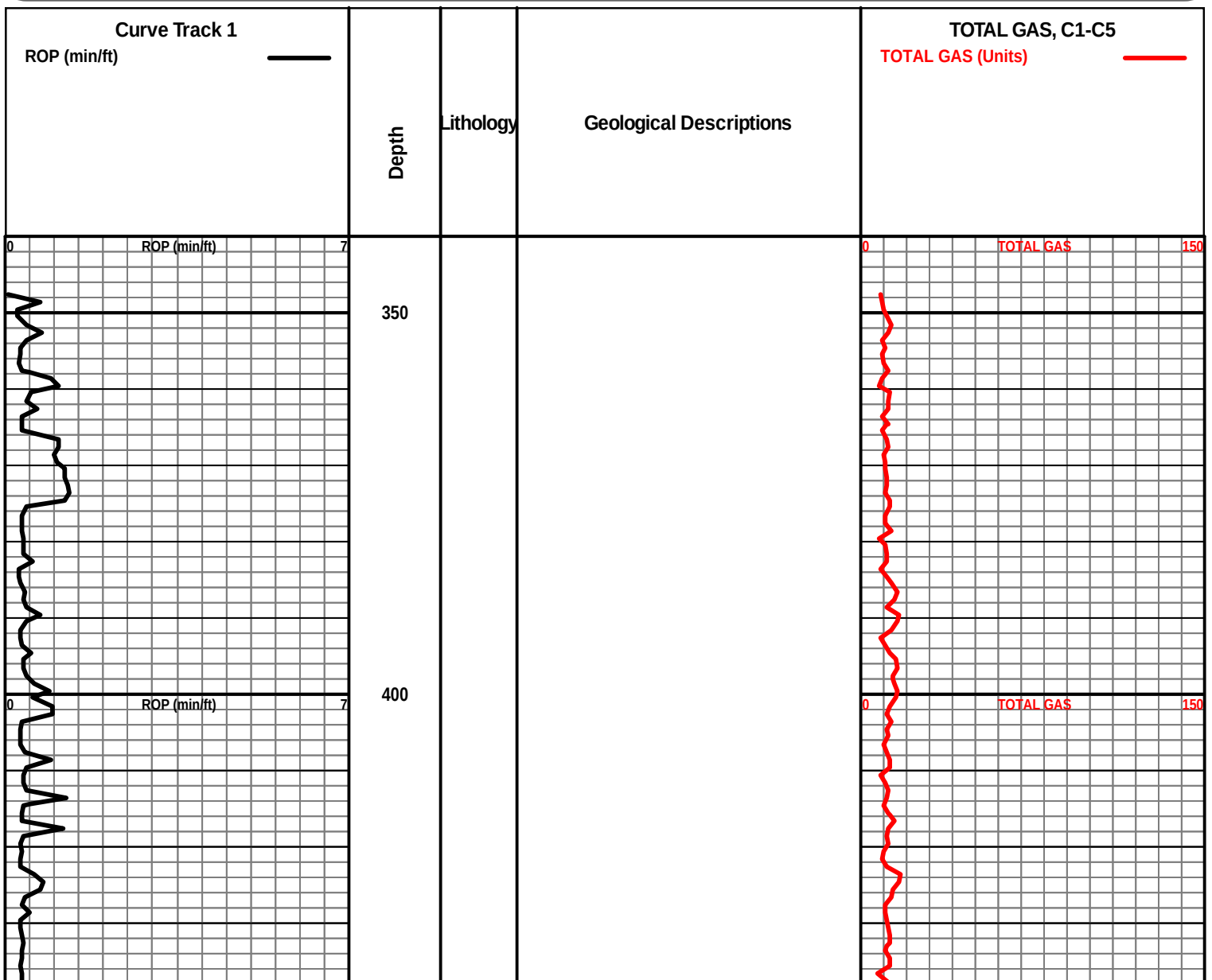
Simpson Sand w/ 1 SPF @ 3990'
 Miss Chert w/2 SPF 3684' to 3686'
 Miss Chert w/ 2 SPF 3670' to 3673'
 Bartlesville Sand w/ 2 SPF 3646' to 3648'

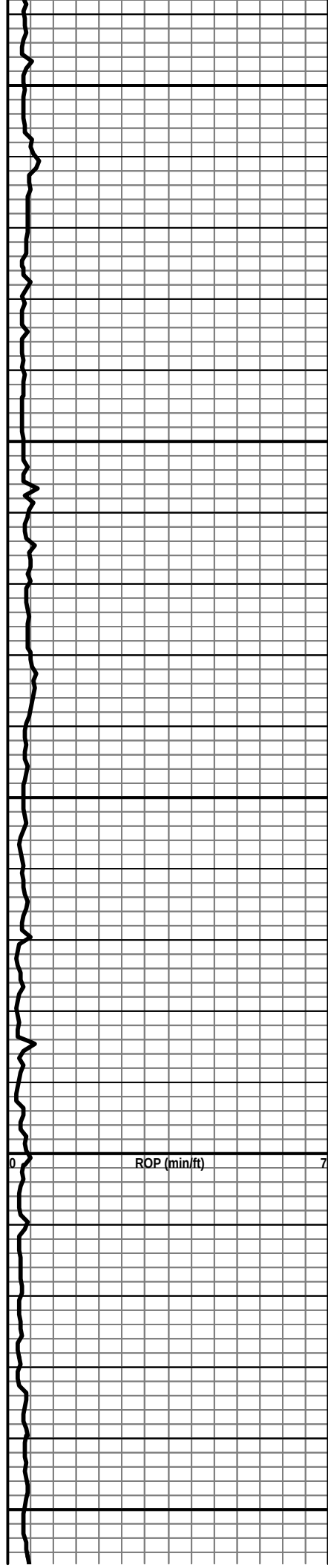
Respectfully Submitted,

Kent Roberts
 Geologist

ROCK TYPES

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





450

500

550

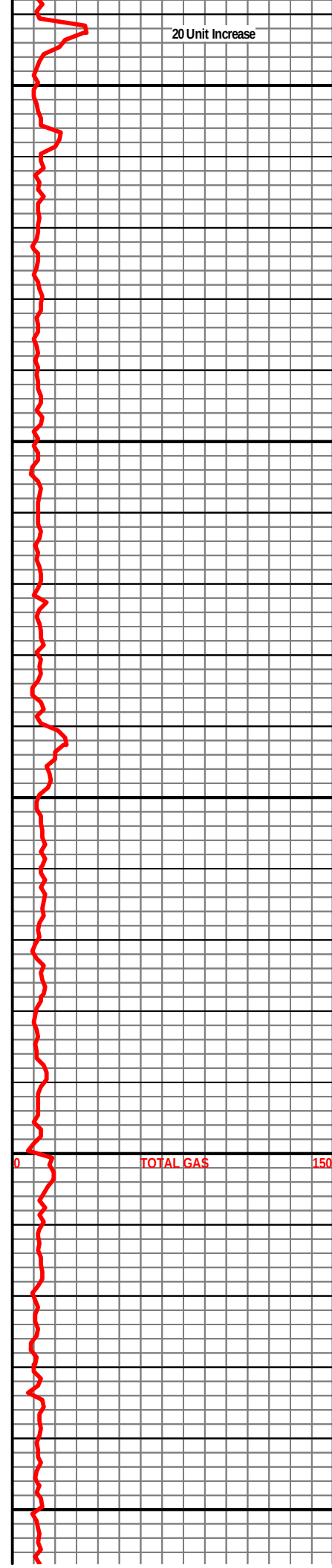
600

650

ROP (min/ft)

0

7

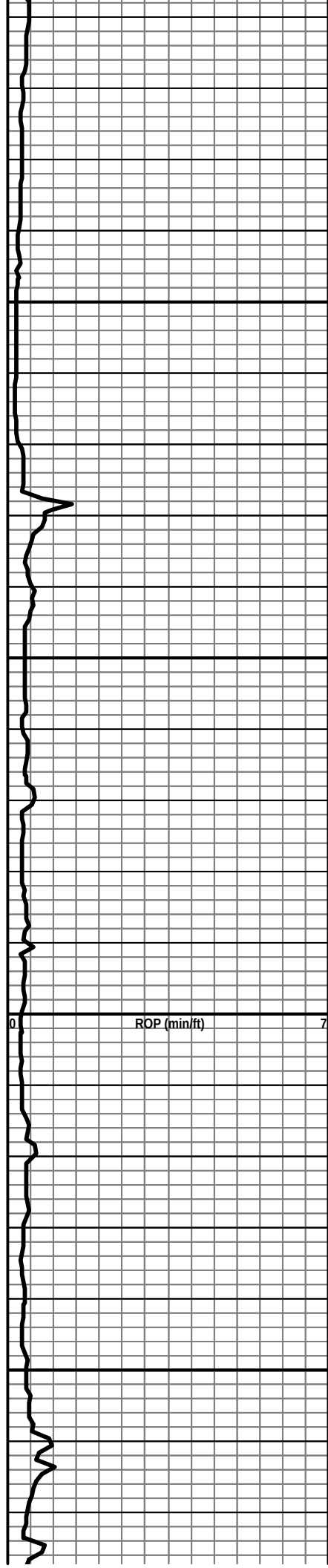


20 Unit Increase

0

TOTAL GAS

150



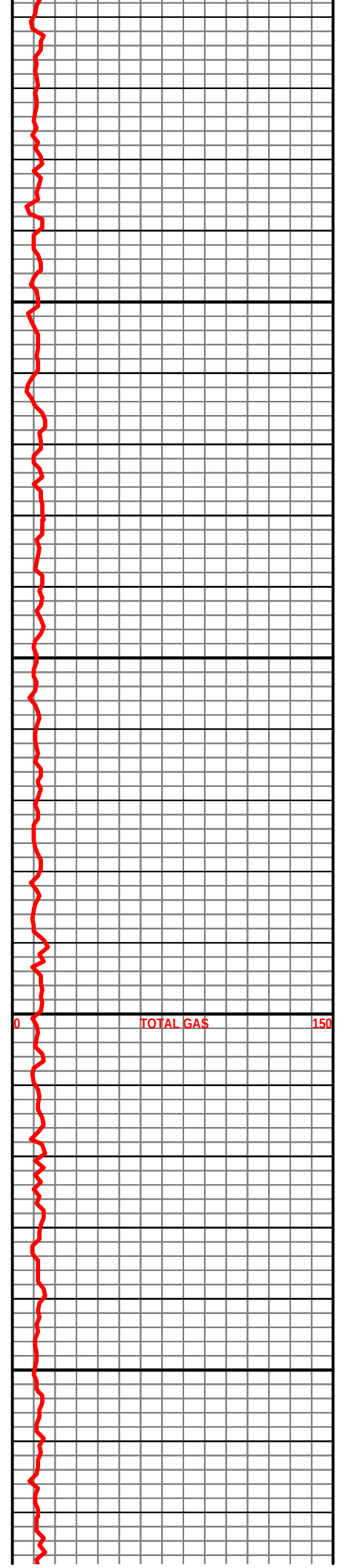
700

750

800

850

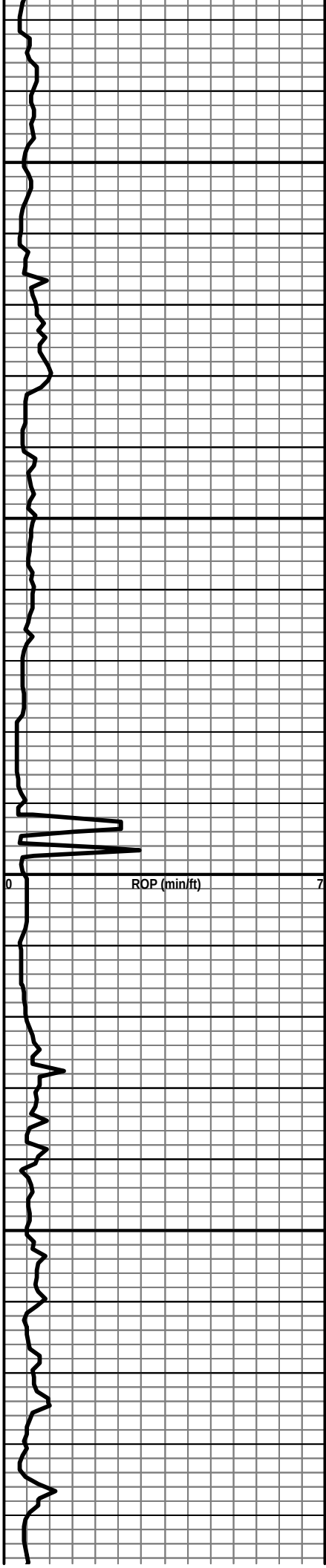
ROP (min/ft)



0

TOTAL GAS

150



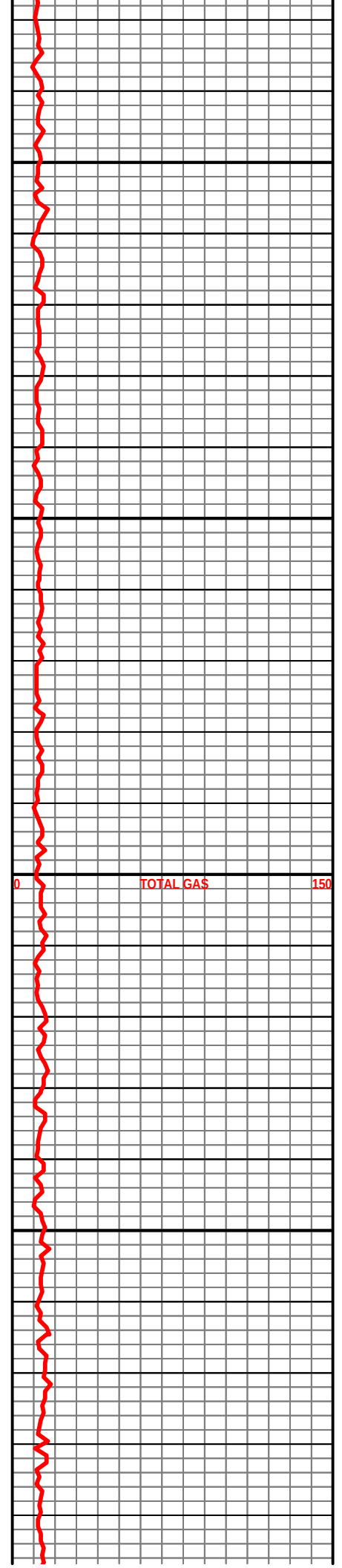
900

950

1000

1050

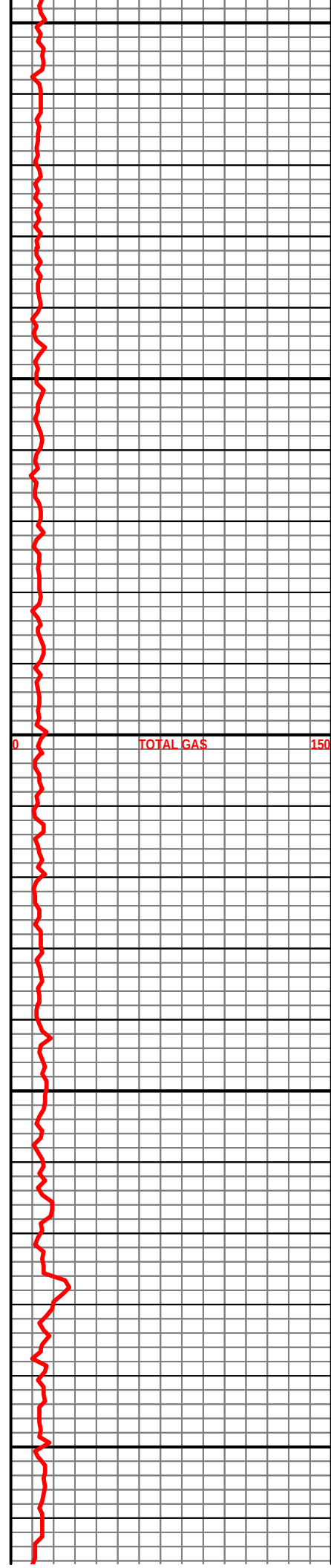
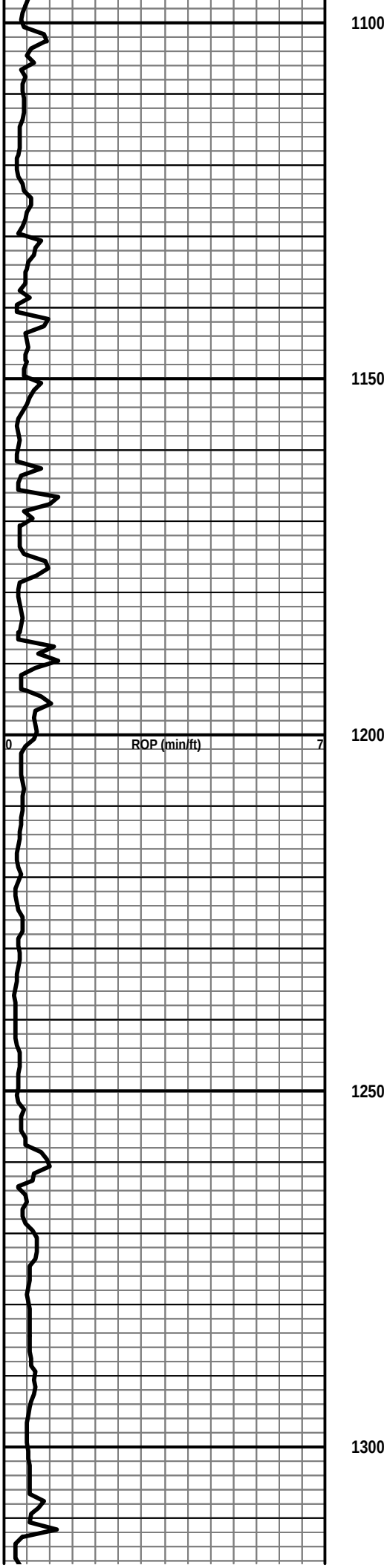
ROP (min/ft)

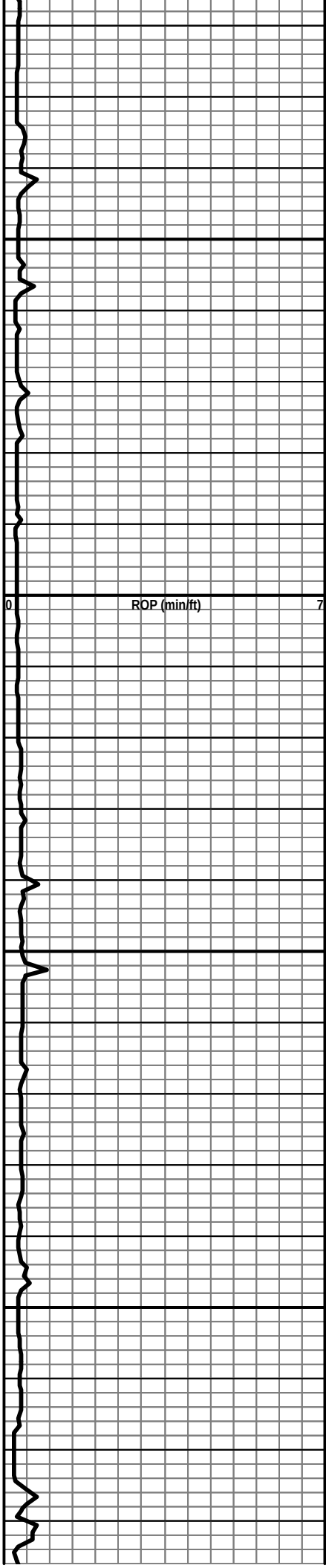


0

TOTAL GAS

150



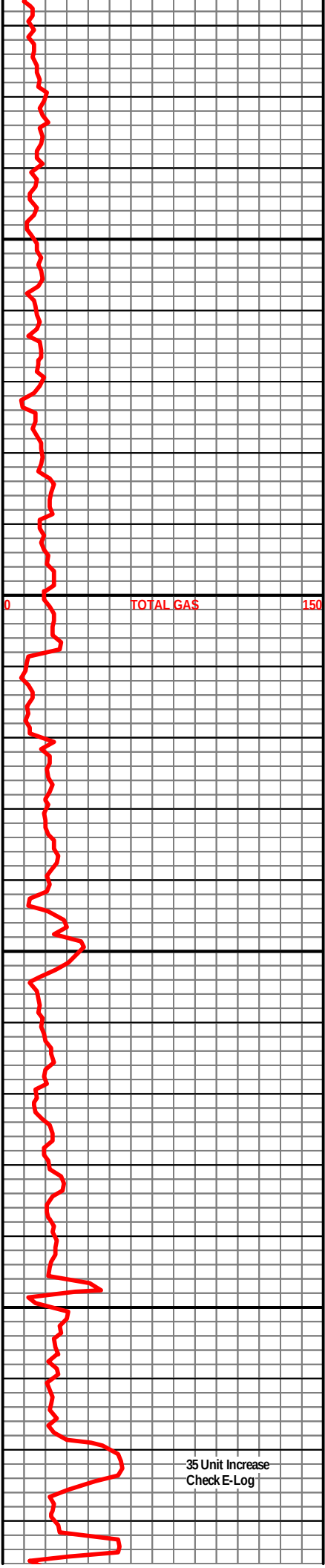


1350

1400

1450

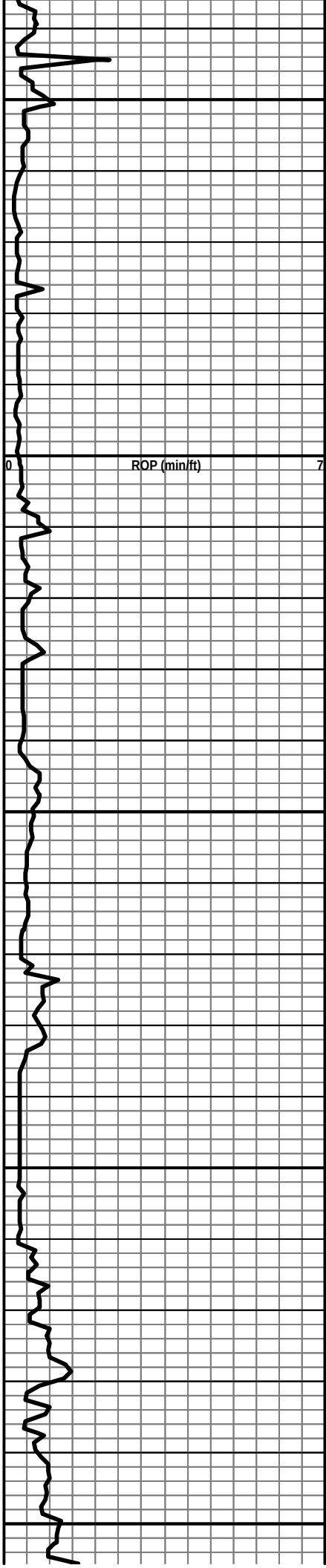
1500



TOTAL GAS

150

35 Unit Increase
Check E-Log



1550

1600

1650

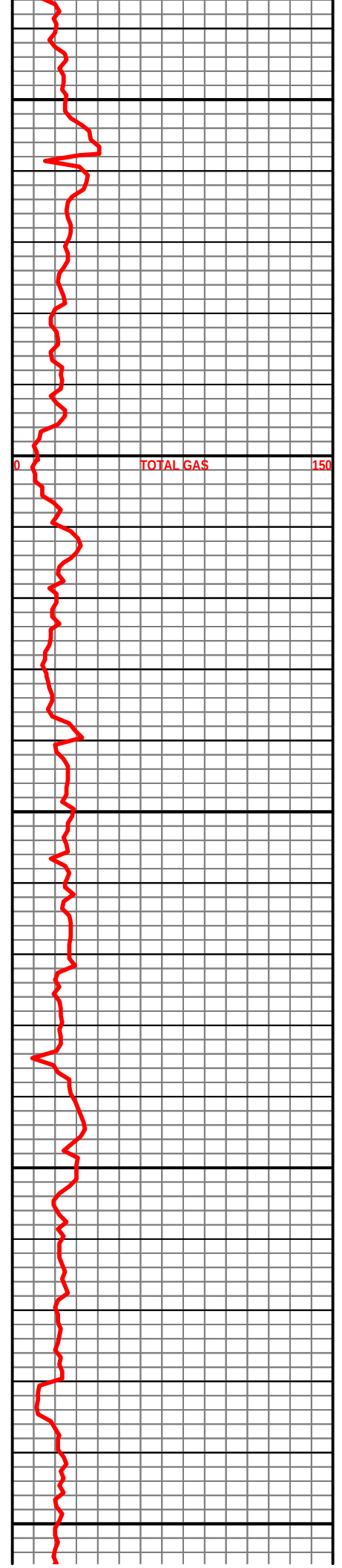
1700

1750

ROP (min/ft)

0

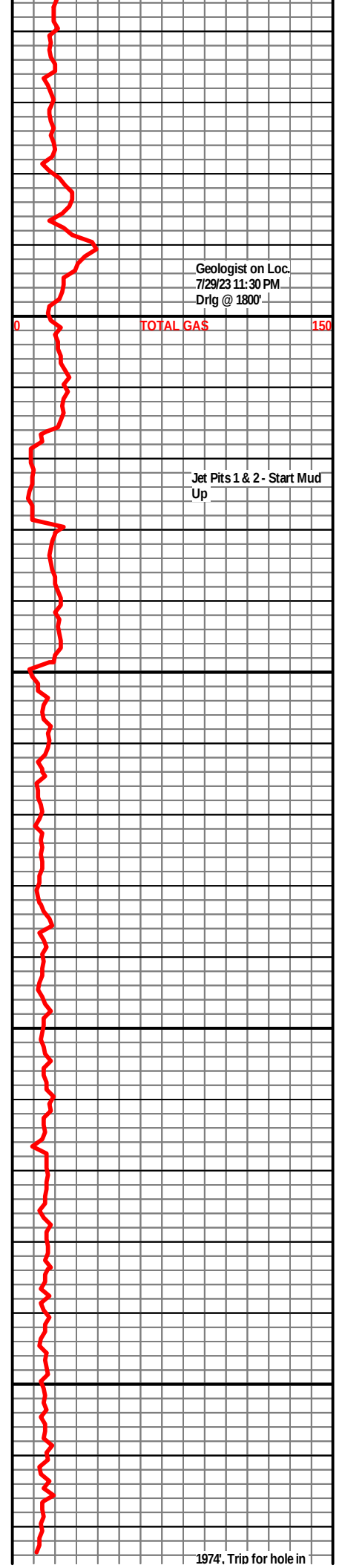
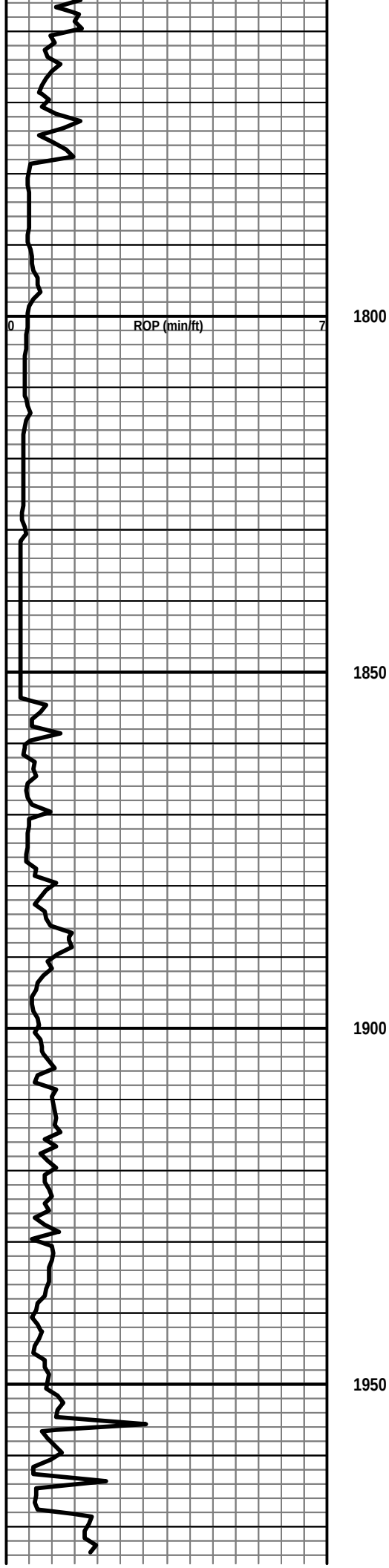
7

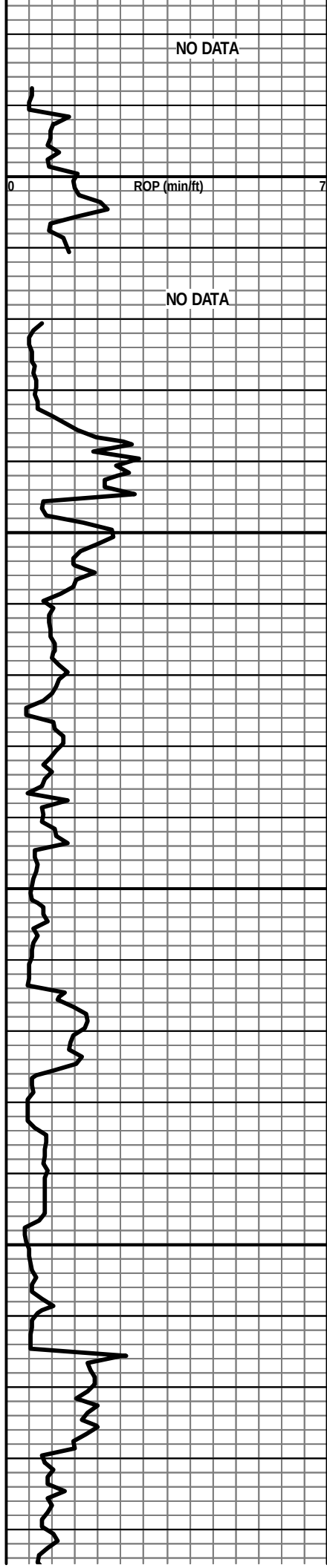


0

TOTAL GAS

150



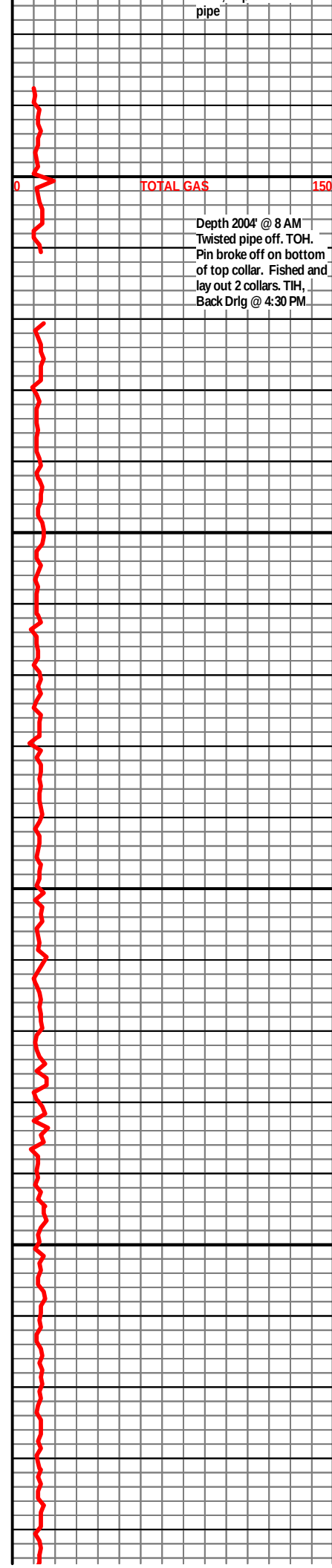


2000

2050

2100

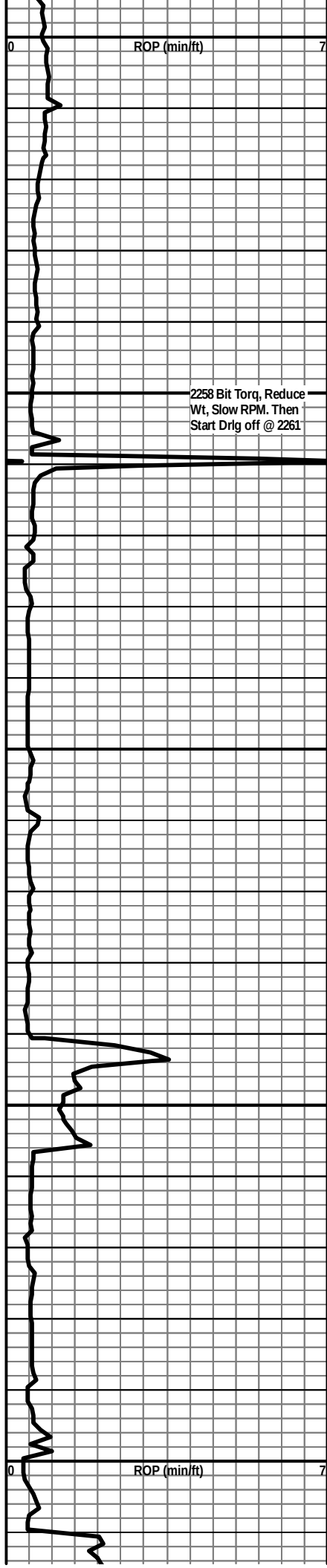
2150



0

TOTAL GAS

150



2200

Sh, gry, dk gry, mrn, Abn pyrite

Sh, gry, mica, to silty, pale grn

Sh, gry, silty, scat vfg mica sand

2250

Sh, gry, silty, scat vfg mica sand, trc Blk Carb Sh.

HEEBNER SHALE 2261 (-1072)

Sh, Blk Carb, gry

Sh, gry, blk, Sd, wht, vfg, friable, NS

2300

Sh, gry, pale grn, Sd, wht - Lt gry. Scat Ls, tan, brn,

Sh, gry, pale grn, mrn. Sd, gry, vfg mica /p

2350

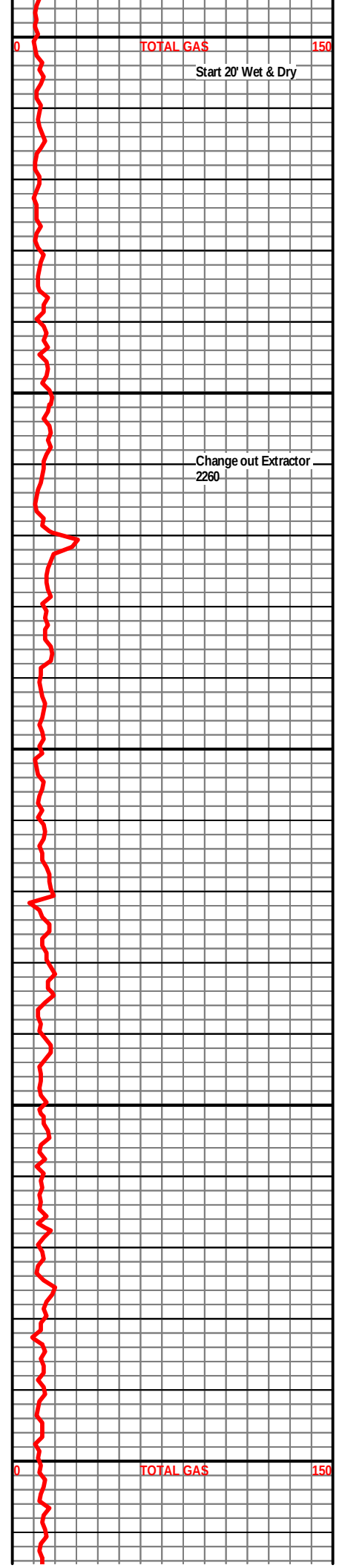
Sh, gry, pale grn, mrn. Sd, gry, vfg mica /p. trc pyritic. Ls, gry lt-brn

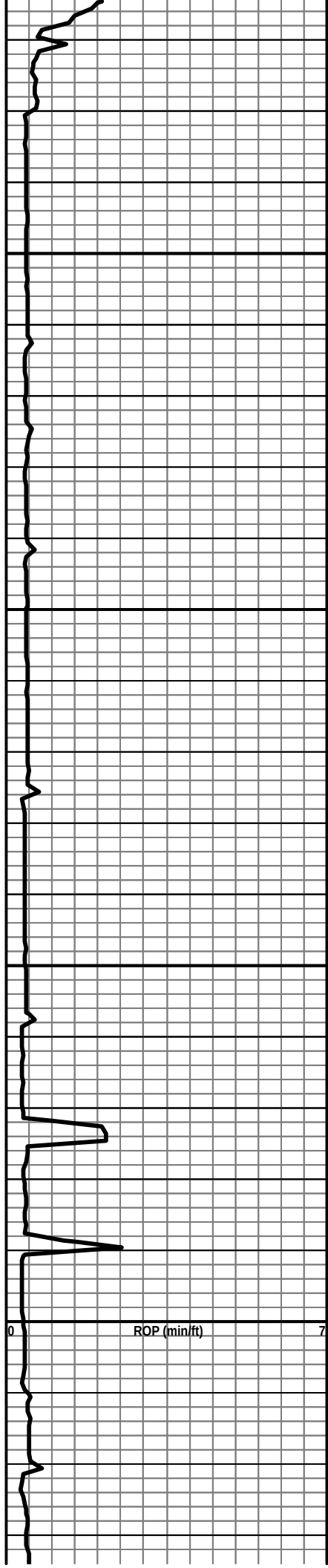
Sh, gry, lt-gry brick red

Sh, gry, lt-gry, Scat Ls, off-wht, dense

2400

Sh, gry, grn. Abn qtz, rose - pink, angular





2450

2500

2550

2600



Sh, gry very mica, Ls, tan-brn very foss

Siltstone, gry, mica, Sh, lt-gry

Siltstone, gry, mica, Sh, lt-gry

Siltstone, gry, mica, Sh, lt-gry

Siltstone, gry, mica, Sh, lt-gry. Sand, lt-gry, vfg w/ black sh inclusions

Siltstone, gry, mica, Sh, lt-gry. Sand, lt-gry, vfg w/ black sh inclusions

Siltstone, lt-gry, gry, mica

Sh, gry, silty. Less siltstone

Sh, gry, lt-gry silty

Sh, lt-dk gry, blocky

IATAN LS. 2572 (-1383)

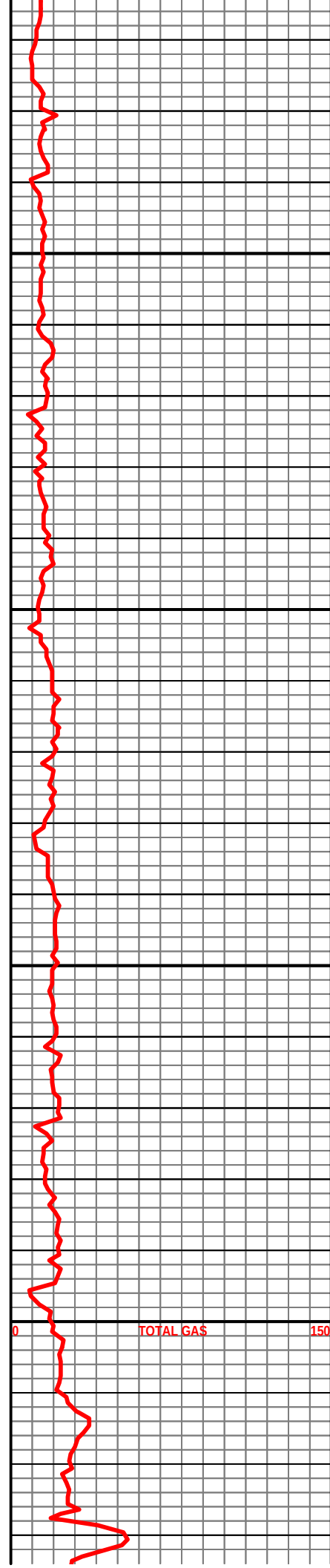
Sh, lt-dk gry, trace of LS, tan,

Sh, gry

Sh, lt gry, silty

STALNAKER 2621 (-1432)

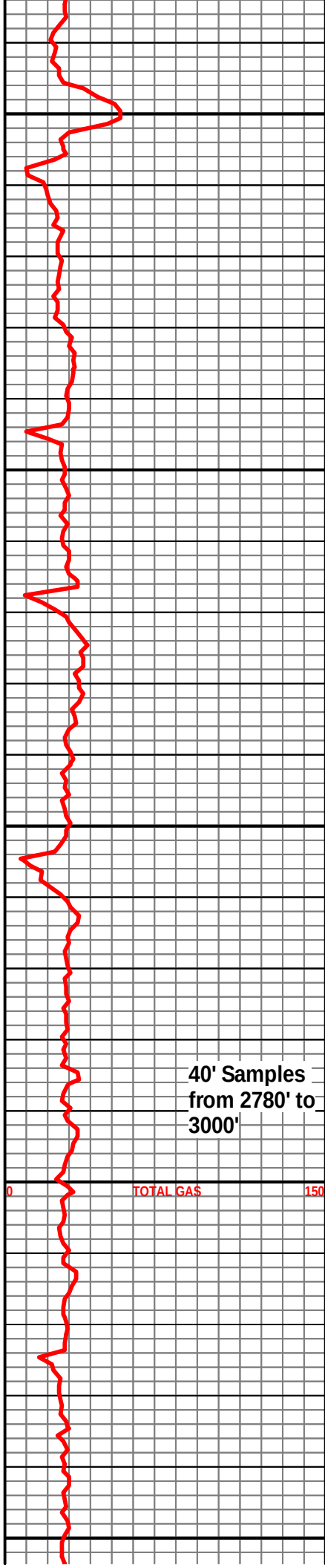
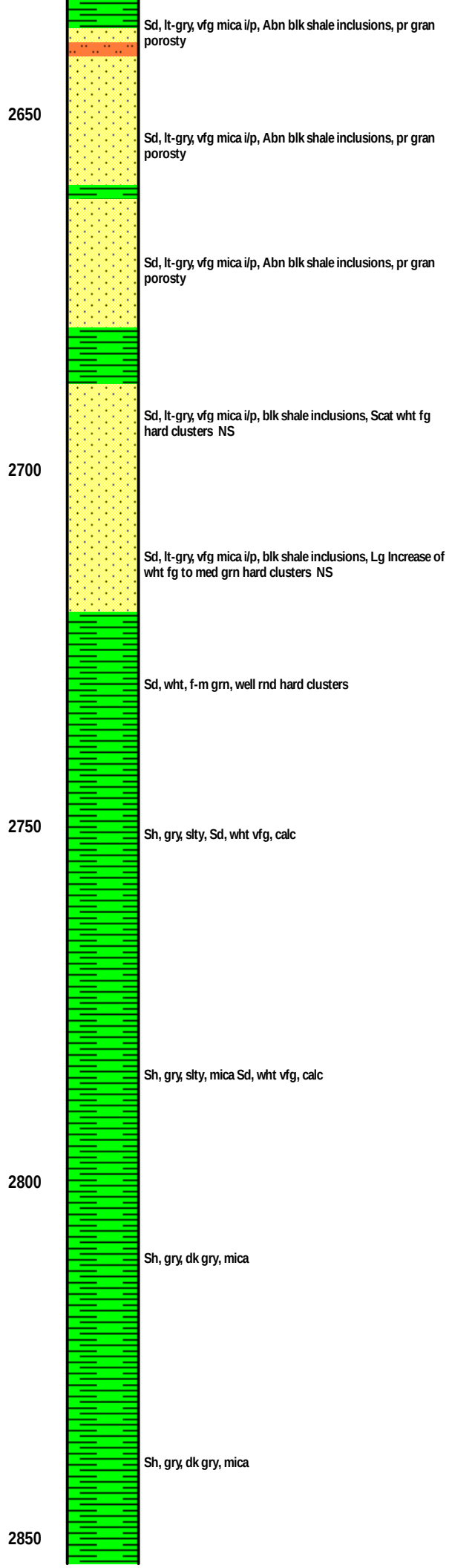
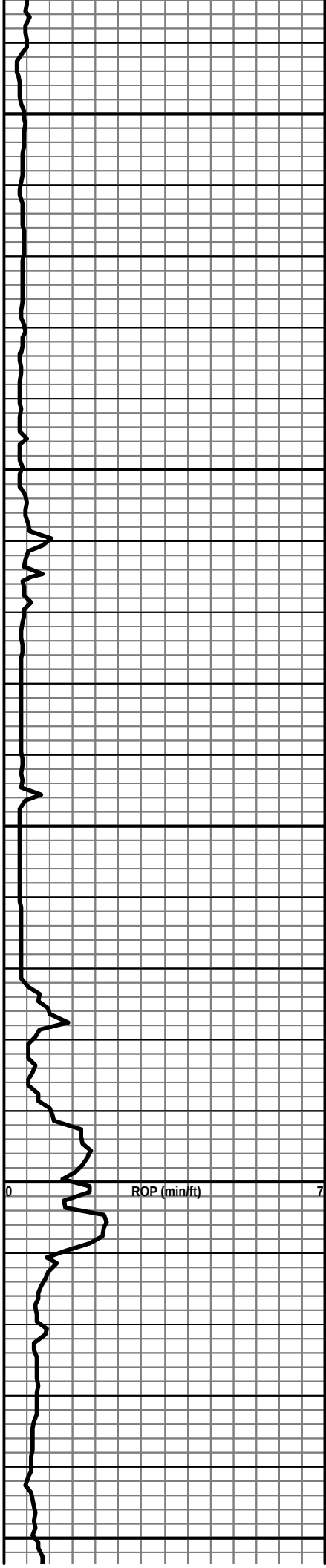
Siltstone, lt-gry, mica, trace Sd, lt-gry, off-wht, vfg, NS

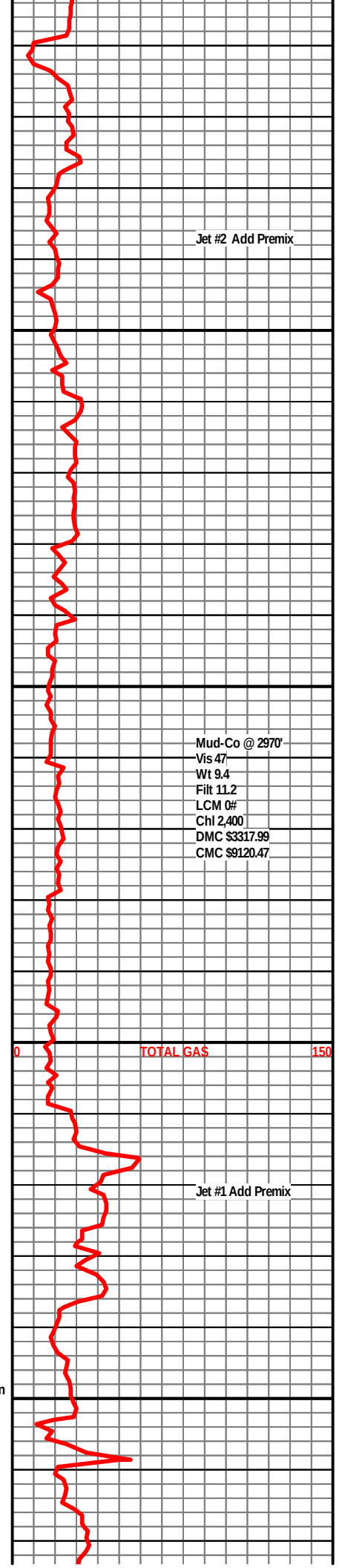
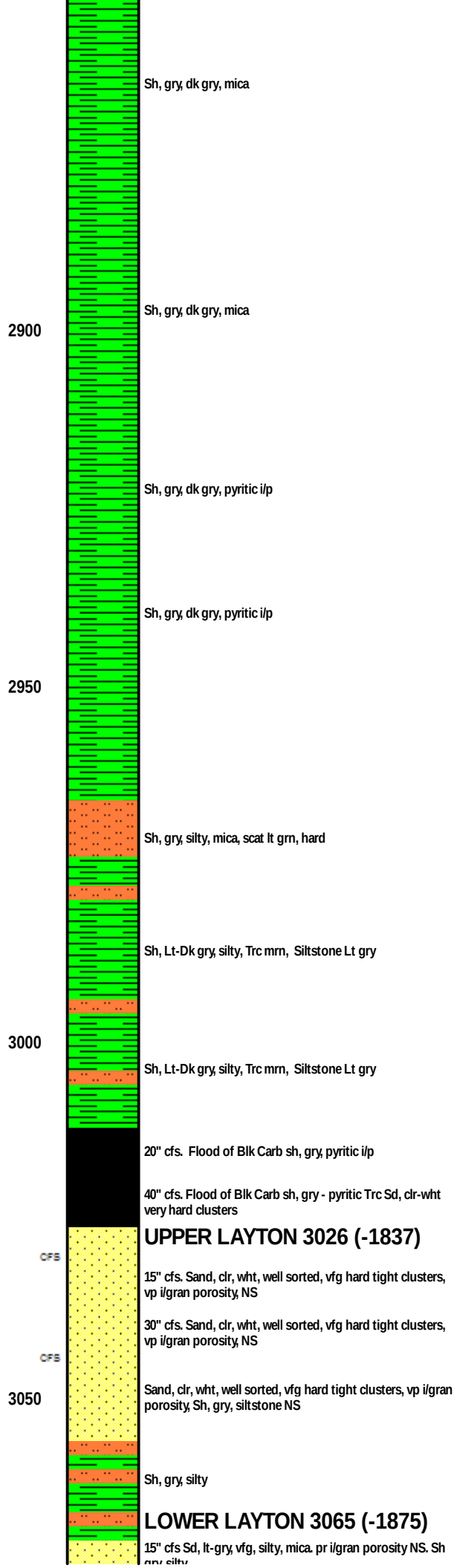
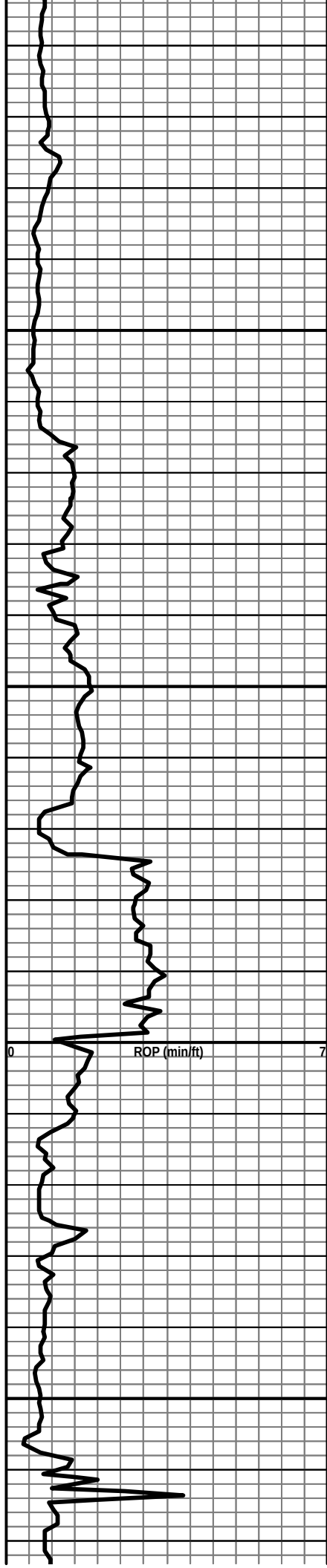


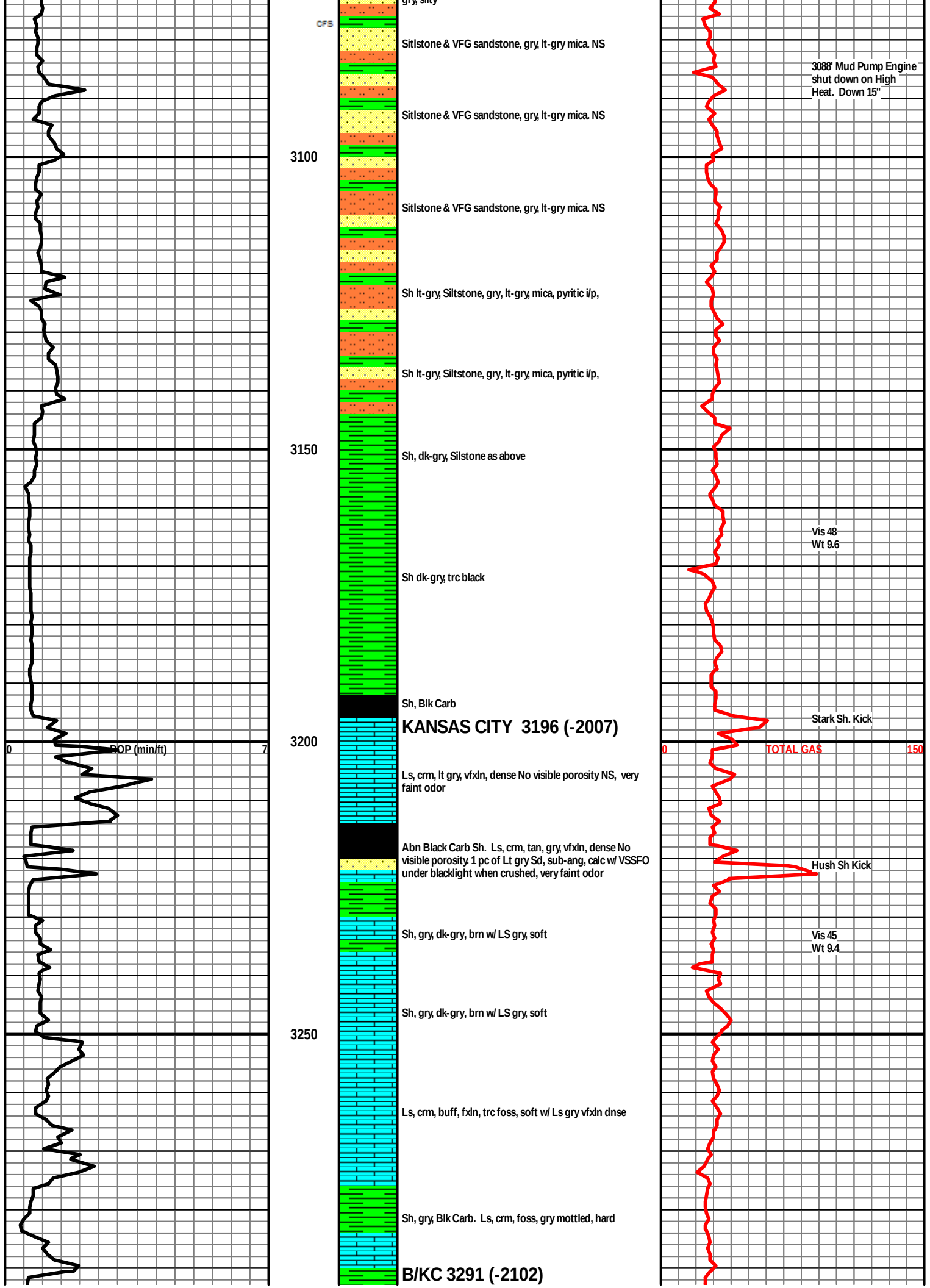
0

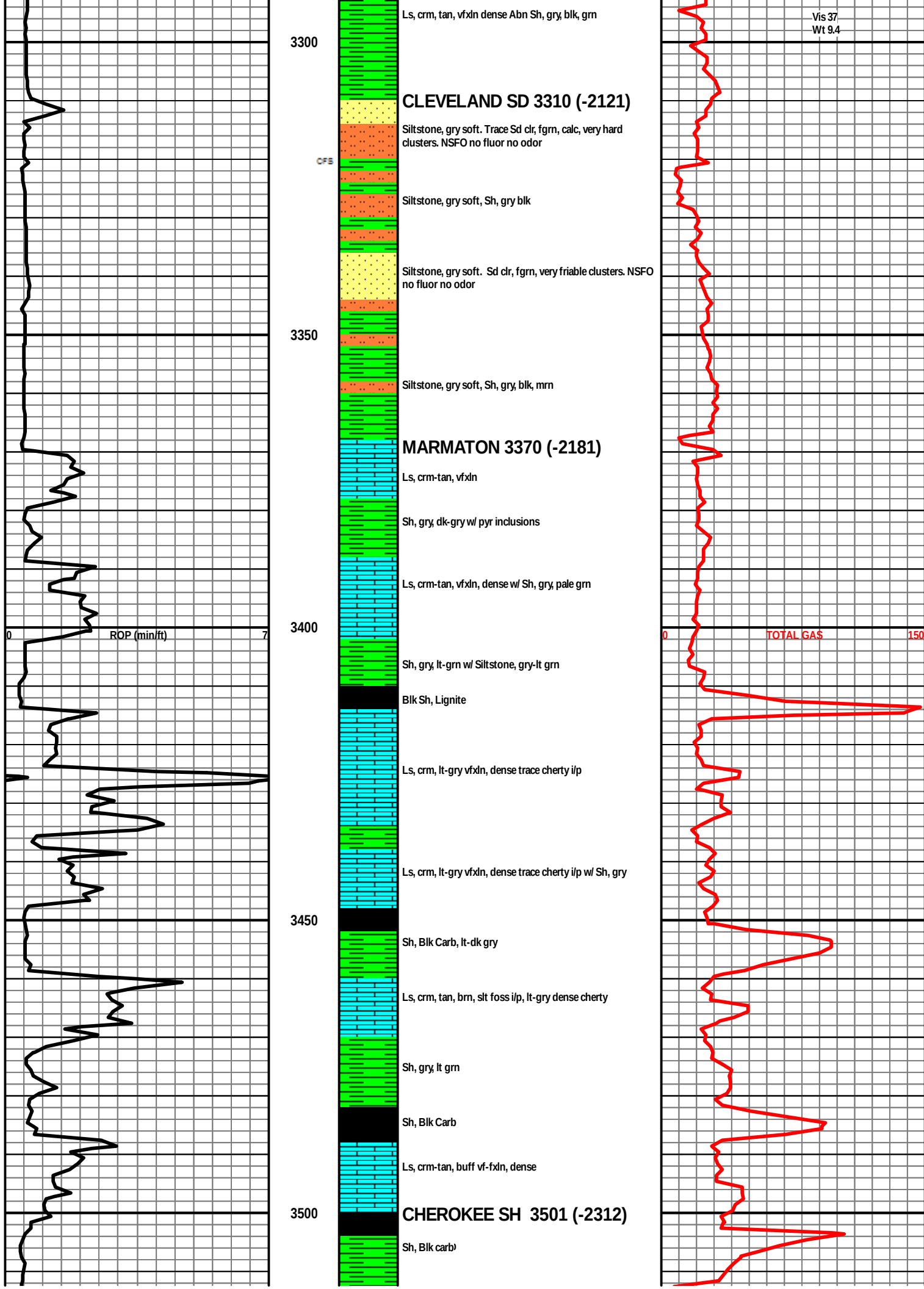
TOTAL GAS

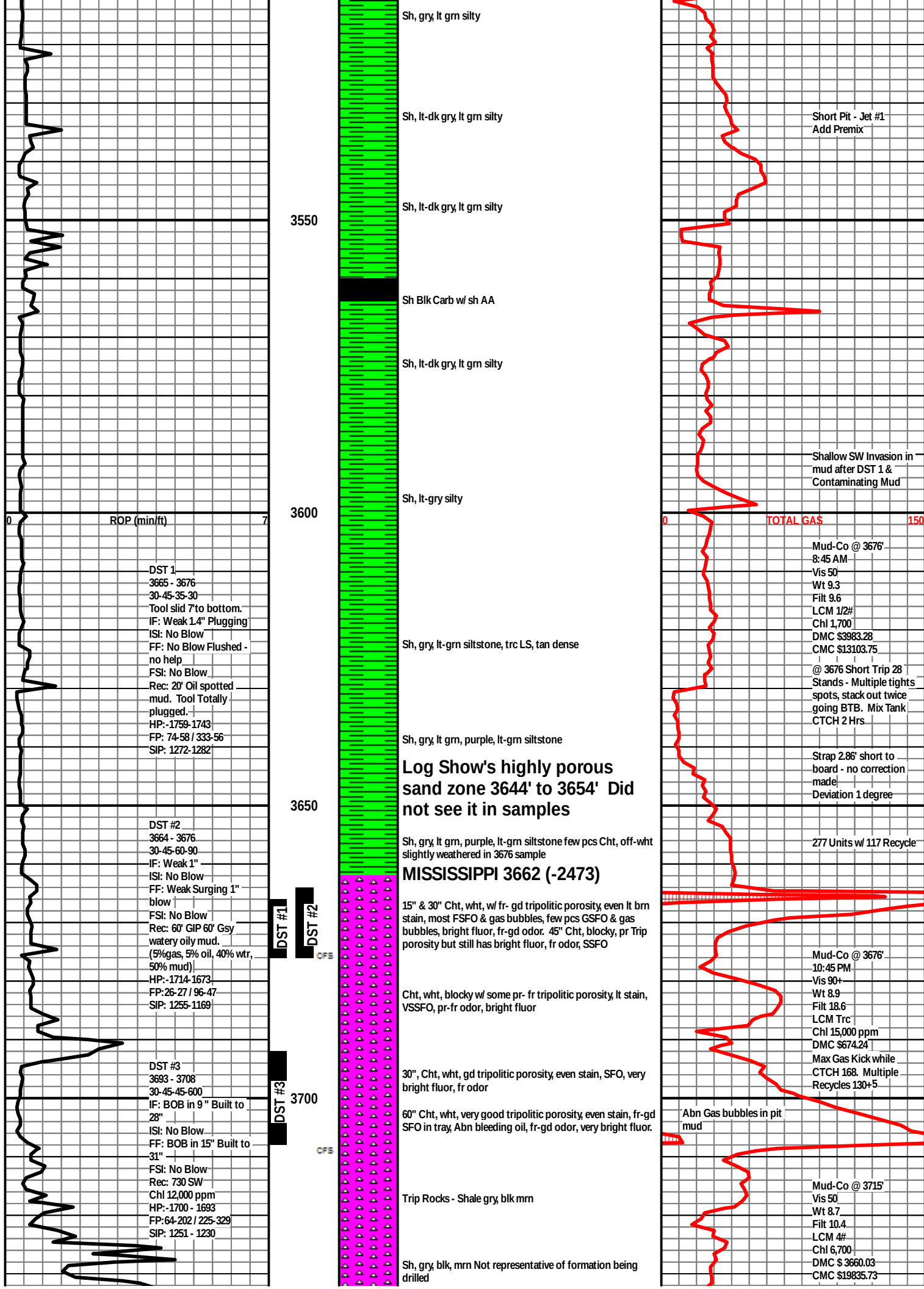
150

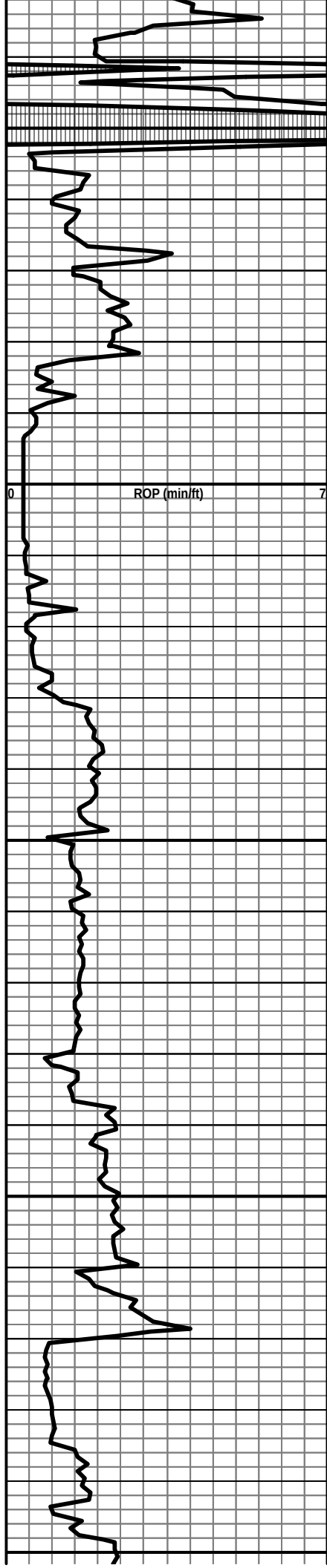












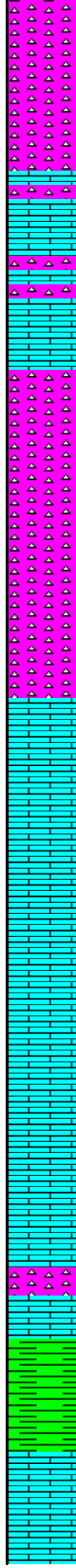
3750

3800

3850

3900

3950



Cht, tan, off-wht, opq, sharp. Some tripolitic from above, still sh AA

Trip Rocks, Sh, gry, blk

Ls, crm, buff, tan, pale grn, vfxln, dense cherty

Ls, crm, buff, tan, pale grn, vfxln, dense cherty

Cht, wht, off-wht, sharp, to some fr-gd tripolitic porosity, It stn on frac faces and porosity, NSFO, Slight odor, patchy bright fluor

Cht, wht, off-wht, sharp, to some fr-gd tripolitic porosity, It stn on frac faces and porosity, few pcs with blk gils stain, NSFO, ? Slight odor, patchy bright fluor

Ls, crm, tan, dk gry, brn, vfxln dense, Cht wht, gry

Ls, dk gry, fxdn, ? dolomitic i/p

Ls, dk gry, brn f-mxdn hard Dol i/p

Ls, dk gry, brn, vf-fxdn, dense, cherty

Ls, dk gry, brn, vf-fxdn, dense, cherty w/ Cht wht, tripolitic i/p

KINDERHOOK 3920 (-2731)

Sh, gry, dk gry, blk

Ls, gry, buff, grn, fxdn dense

Bit Trip 3752

Vis 50
Wt 9.0
LCM 4#

TOTAL GAS

150

Mud-Co @ 4094"
Vis 45
Wt 8.8
Filt 12.4
LCM 3#
Chl 5,900
DMC \$ 4974.16
CMC \$ 29585.06