

PLOTTED GEOLOGICAL LOG

WellSight Systems

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

Well Name: BENFER #8

Location: NW NW SW Sec. 9-T26S-R3E

Licence Number: 15-015-24161-00-00

Spud Date: 10/3/2022

Region: Butler Co., KS

Drilling Completed: 10/9/2022

Surface Coordinates: NAD83

Lat: 37.802469 Long: -97.116076

Bottom Hole Vertical Well

Coordinates:

Ground Elevation (ft): 1347'

K.B. Elevation (ft): 1356'

Logged Interval (ft): 1600' To: 2925'

Total Depth (ft): 2925'

Formation: Mississippi

Type of Drilling Fluid: Chemical Mud

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

OPERATOR

Company: AGV Corp.

Address: P.O. Box 377
Attica, KS 67009

GEOLOGIST

Name: Kent Roberts

Company: Roberts Resources, Inc.

Address: P.O. Box 75187
Wichita, KS 67275
Phone 316-215-1683

INFORMATION

DRILLING CONTRACTOR: C&G Drilling Rig #3

MUD TYPE: Chemical

DRILLING TIME KEPT FROM: 1600' to RTD

SAMPLES SAVED FROM: 2300' to RTD

SAMPLES EXAMINED FROM: 2300' to RTD

GEOLOGICAL SUPERVISION FROM: 2300' to RTD

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

BIT INFORMATION: 12-1/4 From 0 to 225'

Ultraterm SPL 616 PDC 7-7/8 From 225 to 2925' in 35 Hrs

DAILY ACTIVITY @ 0700 HRS**10/3/2022**

Spud well @ 12:15 PM. Cut 225' of 12-1/4" hole. Ran 5 jts new 8-5/8" x 23# casing tally 210.88' set at 223' KB. Elite cemented with 135 sacks Class A (2% gel, 3% CC, 1/4#/sack flo-seal @ 15 #/gal.) Plug down 7:45 PM. Cement did circulate.

10/4/2022

Depth 225'. Drilling Mouse Hole. Preparing to drill ahead.

10/5/2022

Depth 855', Drilling Ahead. Down 12 hours for repairs @ 285', working on draw works.

10/6/2022

Depth 2230'. Drilling Ahead.

10/7/2022

Depth 2798'. Short trip to condition hole and then Trip out for DST #1 in Mississippi.

10/8/2022

Depth 2820'. On bottom w/ DST #2 in Mississippi Osage. Then ran DST #3 in Mississippi Osage at 2823'.

10/9/2022

Depth 2925 RTD TD @ 6:30 AM, CTCH prior to Open Hole Logs

CASING DATA

CONDUCTOR CASING: None

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

PRODUCTION : None

OPERATOR: AGV CORP.

WELL NAME: BENFER # 8

**ELEV. G.L.= 1347
K.B.= 1356**

FORMATION TOPS	Sample		E- Log	
HEEBNER	1752	-396	1753	-397
LANSING	2024	-668	2025	-669
KANSAS CITY	2327	-971	2328	-972
BASE KANSAS CITY	2488	-1132	2490	-1134
MISSISSIPPI	2768	-1412	2768	-1412
MISSISSIPPI OSAGE	2816	-1460	2818	-1462
TOTAL DEPTH	2925	-1569	2926	-1570



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

AGV Corp.

123 N Main, Po Box 377
Attica, KS 67009

ATTN: Kent Roberts

9-26S-3E Butler Co

Benfer #8

Job Ticket: 69602

DST#: 1

Test Start: 2022.10.07 @ 11:15:43

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 13:59:33

Time Test Ended: 18:53:22

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Interval: 2740.00 ft (KB) To 2798.00 ft (KB) (TVD)

Total Depth: 2798.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1356.00 ft (KB)

1347.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369

Outside

Press@RunDepth: 47.12 psig @ 2748.00 ft (KB)

Start Date: 2022.10.07

End Date: 2022.10.07

Start Time: 11:15:44

End Time: 18:53:23

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2022.10.07 @ 13:58:53

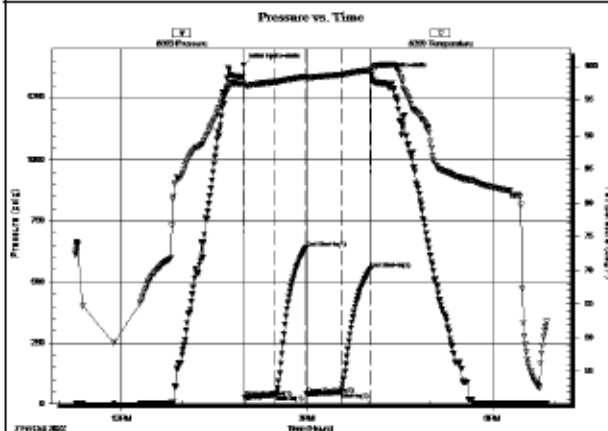
Time Off Btm: 2022.10.07 @ 16:02:23

TEST COMMENT: IF:Weak Blow built to .25" in bucket but died. (30)

IS:No Blow Back (30)

FF:No Blow (30)

FS:No Blow Back (30)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1381.67	97.37	Initial Hydro-static
1	26.93	97.05	Open To Flow (1)
31	36.07	97.67	Shut-In(1)
61	638.23	98.39	End Shut-In(1)
61	40.19	98.24	Open To Flow (2)
95	47.12	98.74	Shut-In(2)
123	552.22	99.36	End Shut-In(2)
124	1341.97	99.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	M 100%M	0.07

Gas Rates

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

DRILL STEM TEST REPORT

AGV Corp.

123 N Main, Po Box 377
Attica, KS 67009

ATTN: Kent Roberts

9-26S-3E Butler Co

Benfer #8

Job Ticket: 69603

DST#: 2

Test Start: 2022.10.08 @ 02:03:10

GENERAL INFORMATION:

Formation: Miss Osage

Deviated: No Whipstock ft (KB)

Time Tool Opened: 05:08:00

Time Test Ended: 10:32:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 2798.00 ft (KB) To 2820.00 ft (KB) (TVD)

Total Depth: 2820.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1356.00 ft (KB)

1347.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369

Outside

Press@RunDepth: 112.28 psig @ 2799.00 ft (KB)

Start Date: 2022.10.08

End Date:

2022.10.08

Start Time: 02:03:11

End Time:

10:32:40

Capacity: 8000.00 psig

Last Calib.: 2022.10.08

Time On Btm: 2022.10.08 @ 05:07:30

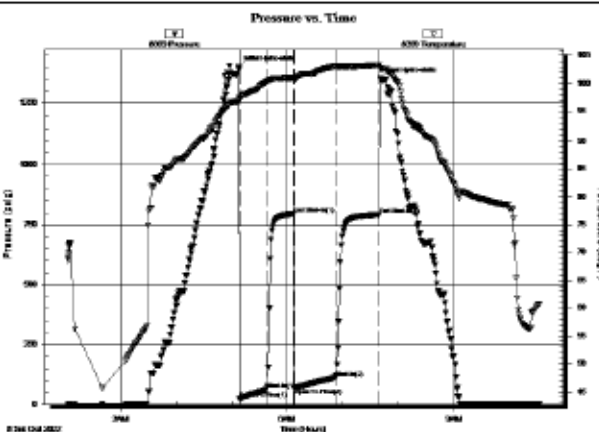
Time Off Btm: 2022.10.08 @ 07:40:20

TEST COMMENT: IF:Weak Building Blow built 1.25" in bucket.(30)

IS:No Blow Back.(30)

FF:Weak Building Blow built 1" in bucket.(45)

FS:No Blow Back.(45)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1394.83	97.49	Initial Hydro-static
1	22.73	97.24	Open To Flow (1)
30	61.47	100.32	Shut-In(1)
60	795.75	100.94	End Shut-In(1)
60	69.28	100.69	Open To Flow (2)
105	112.28	103.06	Shut-In(2)
152	791.75	103.26	End Shut-In(2)
153	1349.41	102.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOWCM 10%G 5%O 35%W 50%M	0.30
60.00	OWCM 10%O 25%W 65%M	0.30
60.00	OWCM 25%O 30%W 45%M	0.30
30.00	OWCM 10%O 10%W 80%M	0.15

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TriLOBITE Testing, Inc

Ref. No: 69603

Printed: 2022.10.08 @ 14:42:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corp.

123 N Main, Po Box 377
Attica, KS 67009

ATTN: Kent Roberts

9-26S-3E Butler Co

Benfer #8

Job Ticket: 69604

DST#: 3

Test Start: 2022.10.08 @ 16:36:04

GENERAL INFORMATION:

Formation: **Miss Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:57:24

Time Test Ended: 00:43:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Eric Burgess

Unit No: 80

Interval: 2813.00 ft (KB) To 2823.00 ft (KB) (TVD)

Total Depth: 2823.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1356.00 ft (KB)

1347.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369

Outside

Press@RunDepth: 163.77 psig @ 2814.00 ft (KB)

Start Date: 2022.10.08

End Date:

2022.10.09

Start Time: 16:36:05

End Time:

00:43:14

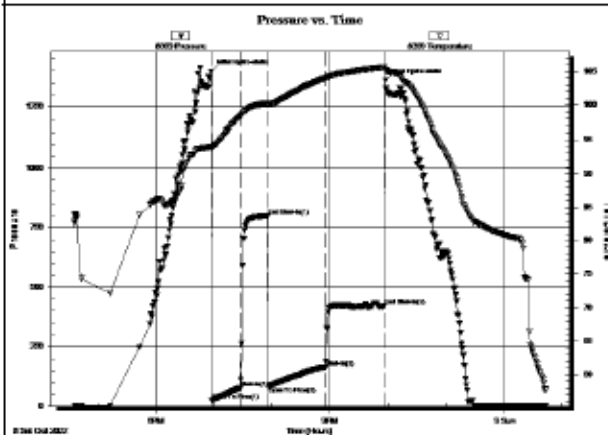
Capacity: 8000.00 psig

Last Calib.: 2022.10.09

Time On Btm: 2022.10.08 @ 18:56:44

Time Off Btm: 2022.10.08 @ 21:57:34

TEST COMMENT: IF: Fair Building Blow built 4.25" in bucket (30)
IS: No Blow Back (30)
FF: Fair Building Blow built 6" in bucket (60)
FS: 1.75" Blow Back. Shut in tool possibly leaking by. (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1395.84	94.05	Initial Hydro-static
1	24.04	93.52	Open To Flow (1)
31	76.96	98.37	Shut-In (1)
60	799.30	100.30	End Shut-In (1)
60	83.45	100.07	Open To Flow (2)
119	163.77	104.02	Shut-In (2)
180	421.95	105.63	End Shut-In (2)
181	1357.60	105.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	428' GIP	0.00
120.00	GV/SOMCW 5%O 5%G 80%W 10%M	0.59
120.00	OSMCW 95%W 5%M	0.59
60.00	GV/SOMCW 5%G 5%O 75%W 15%M	0.30
63.00	OCW 30%O 70%M	0.85

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TriLOBITE Testing, Inc

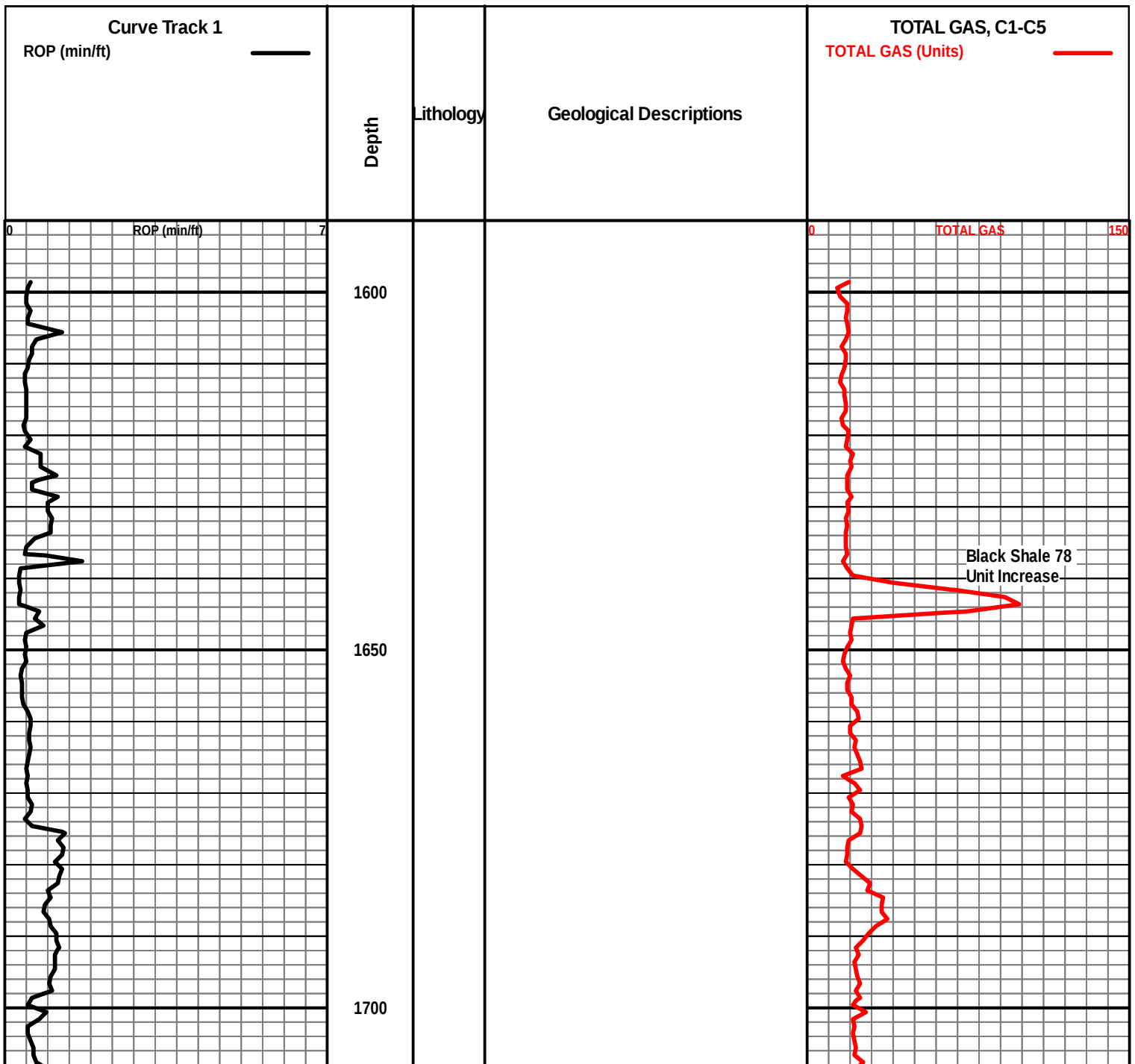
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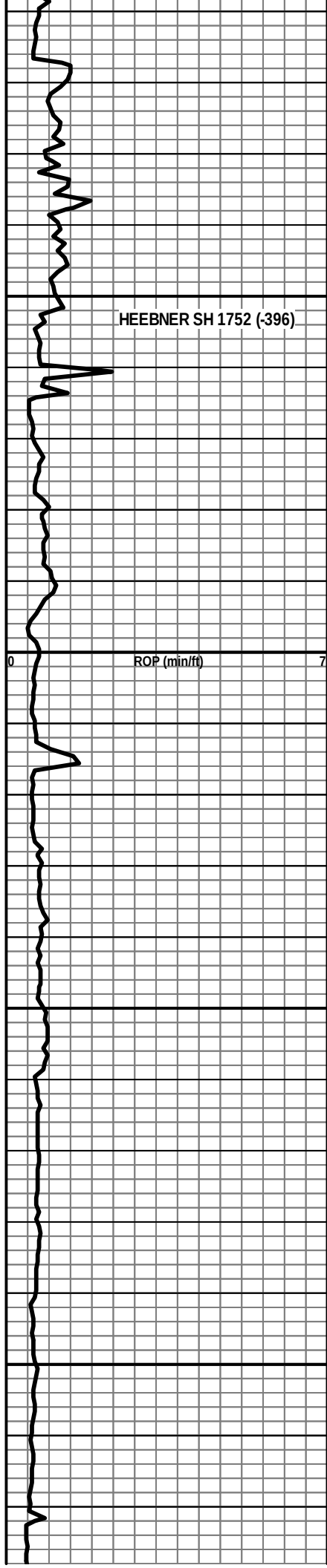
Printed: 2022.10.09 @ 07:54:10

Although the Benfer #8 well ran 23' high at the top of the Mississippi it was 21' lower than the Benfer #1 well on the Mississippi Osage which is the producing interval. After review of all information obtained during drilling operations and electric logs it is recommended the Benfer #8 be plugged and abandoned as a dry hole.

Kent Roberts
Geologist

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



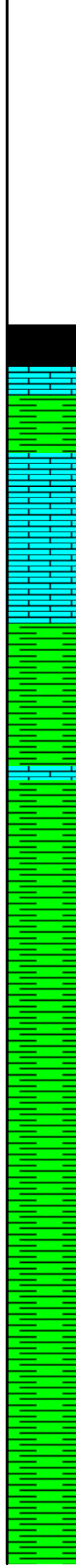


1750

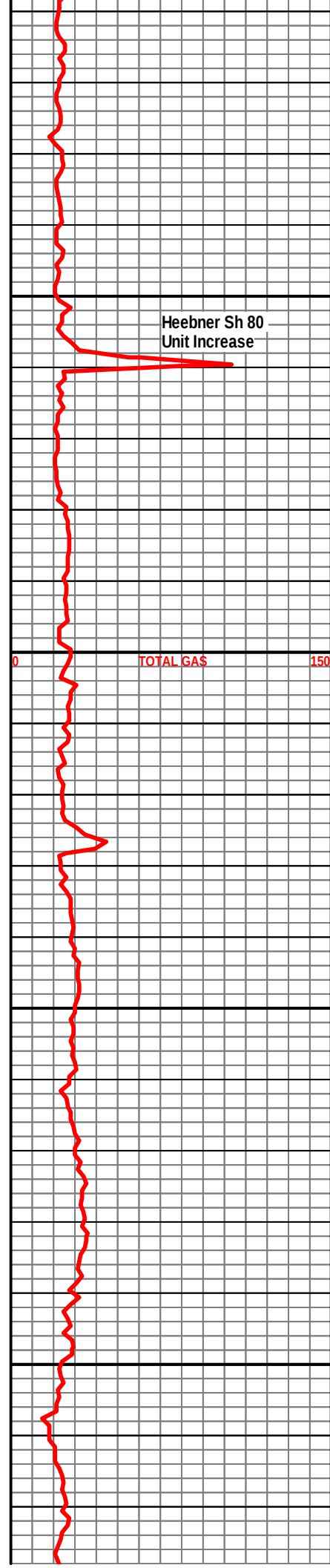
1800

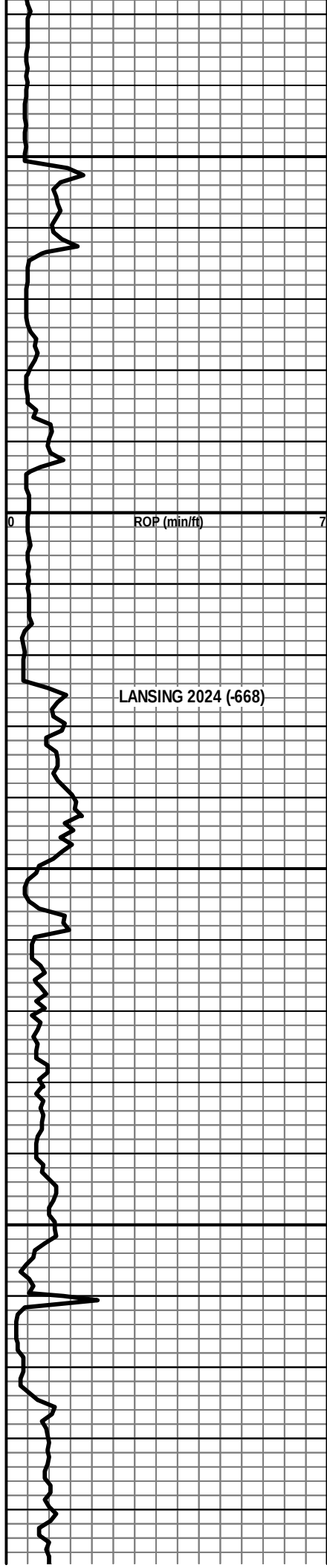
1850

1900



Lithology from 1750' to 2300' from OH Logs



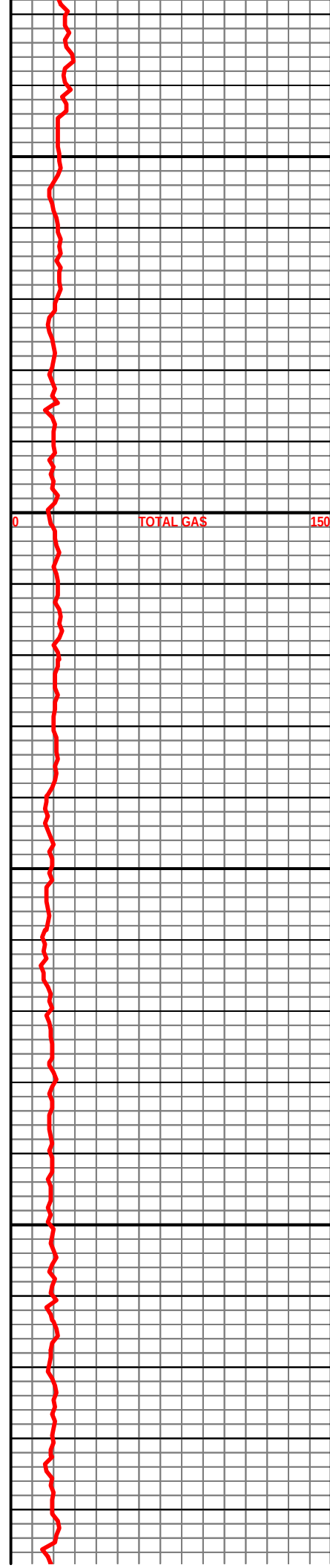


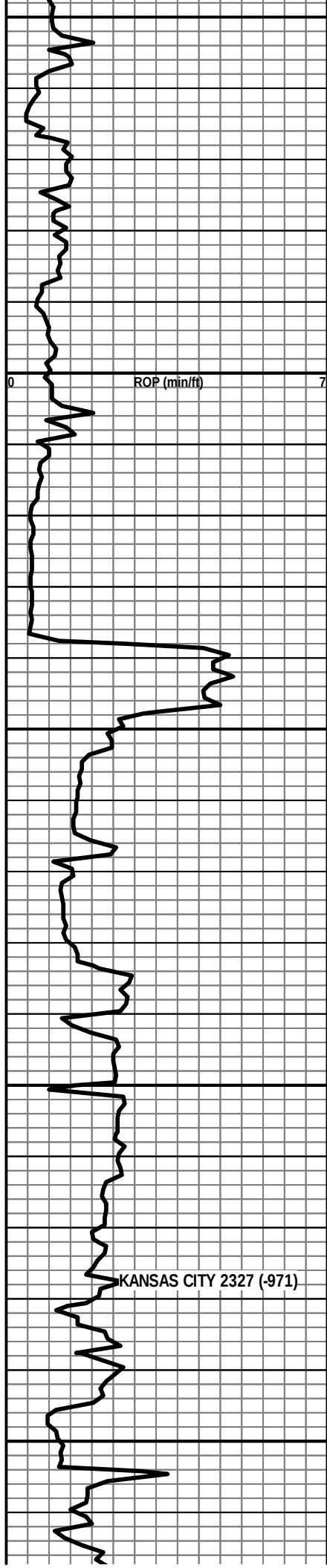
1950

2000

2050

2100





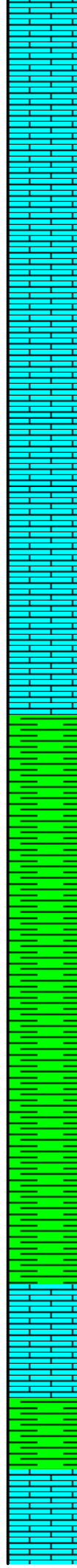
2150

2200

2250

2300

2350



Sh, gry

Ls, tan, buff, fxln, dense

Sh, gry

Ls, tan, buff, fxln, dense

Sh, gry

Ls, crm, buff, fxln, trace xln porosity, chalky. Scat gry, dense to cherty

