

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](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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# 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  
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

Region: Butler Co., KS  
Drilling Completed: 10/9/2022

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: 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'

Ultera 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.

9-26S-3E Butler Co

123 N Main, Po Box 377  
Attica, KS 67009

**Benfer #8**

Job Ticket: 69602

**DST#: 1**

ATTN: Kent Roberts

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)

Reference Elevations: 1356.00 ft (KB)

Total Depth: 2798.00 ft (KB) (TVD)

1347.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8369**

**Outside**

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

Capacity: 8000.00 psig

Start Date: 2022.10.07

End Date: 2022.10.07

Last Calib.: 1899.12.30

Start Time: 11:15:44

End Time: 18:53:23

Time On Btm: 2022.10.07 @ 13:58:53

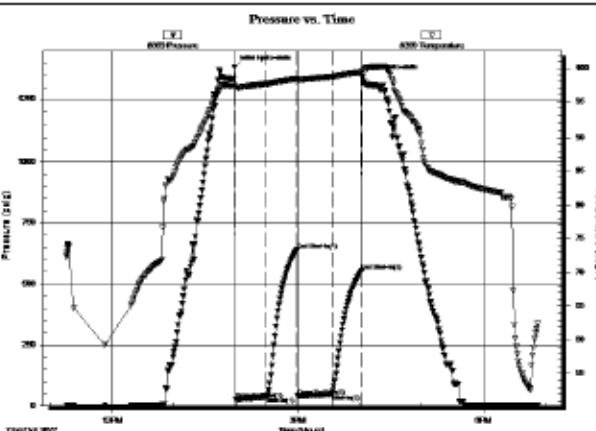
Time Off Btm: 2022.10.07 @ 16:02:23

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

IS:No Blow Back (30)

FF:No Blow (30)

FSt: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 (Mcfd)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

AGV Corp.  
123 N Main, Po Box 377  
Attica, KS 67009  
ATTN: Kent Roberts

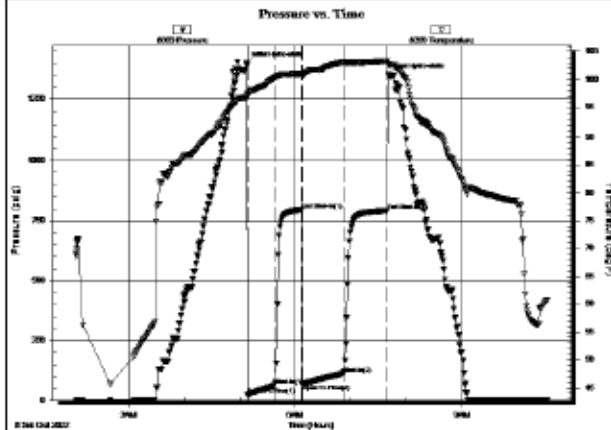
**9-26S-3E Butler Co**  
**Benfer #8**  
Job Ticket: 69603      **DST#: 2**  
Test Start: 2022.10.08 @ 02:03:10

## GENERAL INFORMATION:

Formation: **Miss Osage**  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 05:08:00      Test Type: Conventional Bottom Hole (Reset)  
Time Test Ended: 10:32:40      Tester: Eric Burgess  
Unit No: 80  
Interval: **2798.00 ft (KB) To 2820.00 ft (KB) (TVD)**      Reference Elevations: 1356.00 ft (KB)  
Total Depth: 2820.00 ft (KB) (TVD)      1347.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 9.00 ft

Serial #: **8369**      **Outside**  
Press@RunDepth: 112.28 psig @ 2799.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2022.10.08      End Date: 2022.10.08      Last Calib.: 2022.10.08  
Start Time: 02:03:11      End Time: 10:32:40      Time On Btrnt: 2022.10.08 @ 05:07:30  
Time Off Btrnt: 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)



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

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

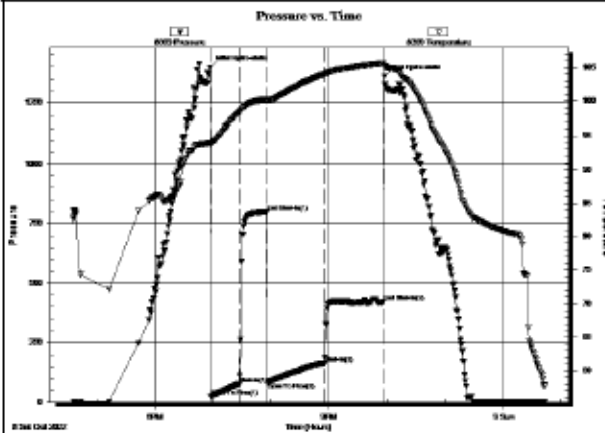
**9-26S-3E Butler Co**  
**Benfer #8**  
Job Ticket: 69604      **DST#:** 3  
Test Start: 2022.10.08 @ 16:36:04

### GENERAL INFORMATION:

Formation: **Miss Osage**  
Deviated: No Whipstock      ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 18:57:24      Tester: Eric Burgess  
Time Test Ended: 00:43:13      Unit No: 80  
**Interval: 2813.00 ft (KB) To 2823.00 ft (KB) (TVD)**      Reference Elevations: 1356.00 ft (KB)  
Total Depth: 2823.00 ft (KB) (TVD)      1347.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 9.00 ft

**Serial #: 8369**      **Outside**  
Press@RunDepth: 163.77 psig @ 2814.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2022.10.08      End Date: 2022.10.09      Last Calib.: 2022.10.09  
Start Time: 16:36:05      End Time: 00:43:14      Time On Btrt: 2022.10.08 @ 18:56:44  
Time Off Btrt: 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	78.96	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)



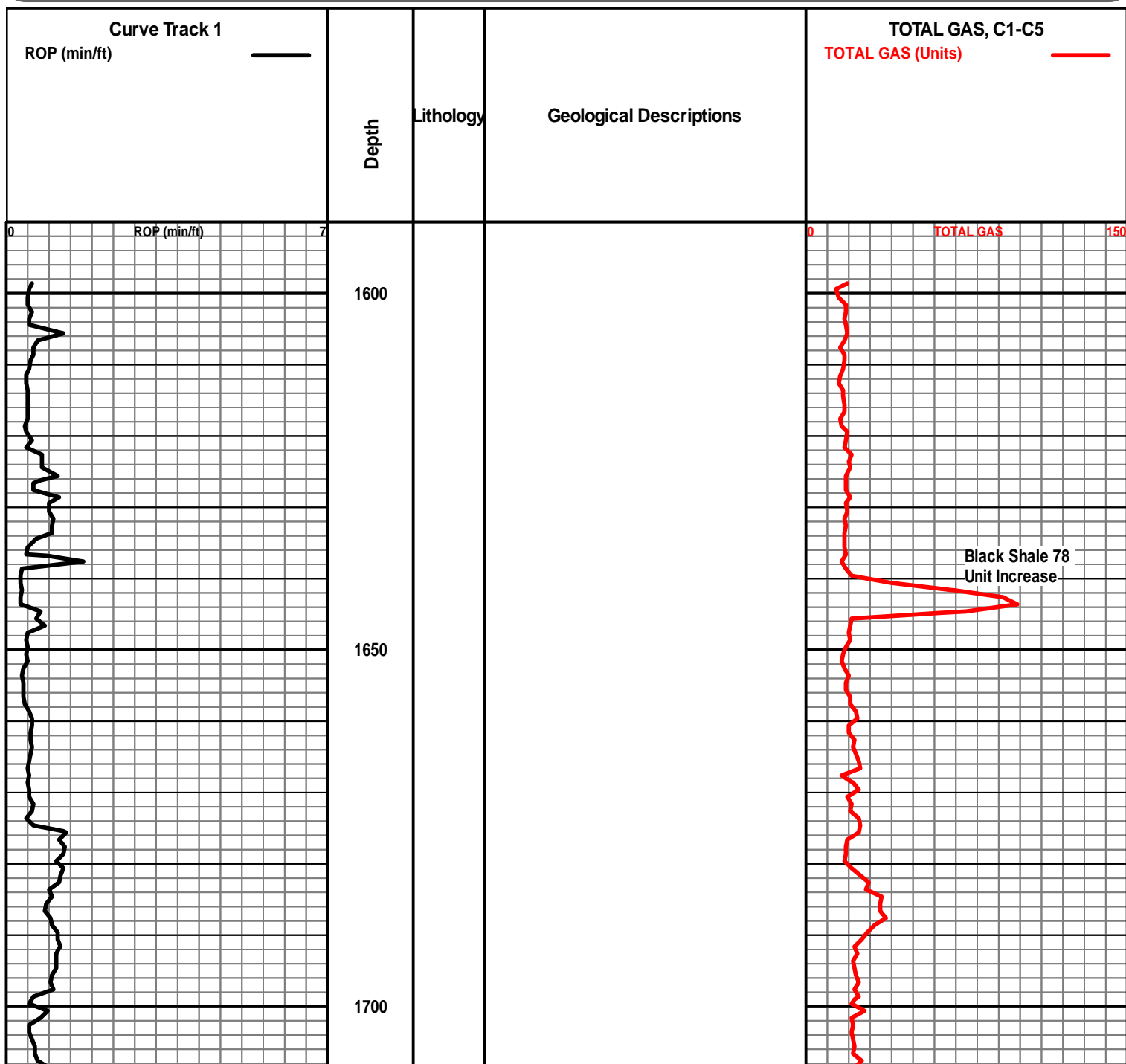
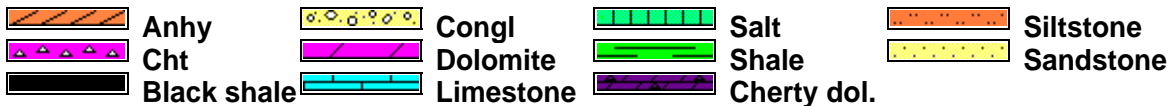
### COMMENTS

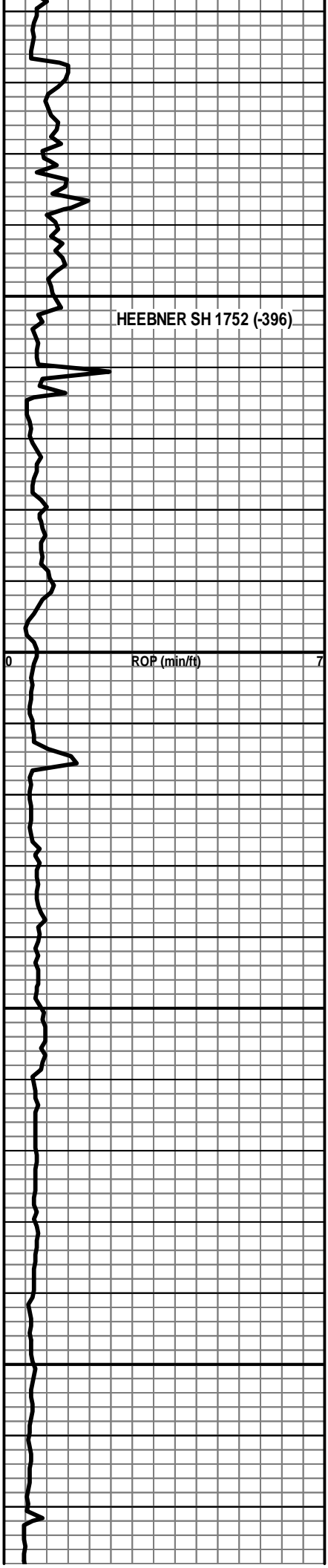
Although the Benfer #8 well ran 23' high at the top of the Mississippi it was 21' lower than the Benfer #1 well on the Mississippi Osage which is the producing interval. After review of all information obtained during drilling operations and electric logs it is recommended the Benfer #8 be plugged and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

Respectfully Submitted

Kent Roberts  
Geologist

### ROCK TYPES





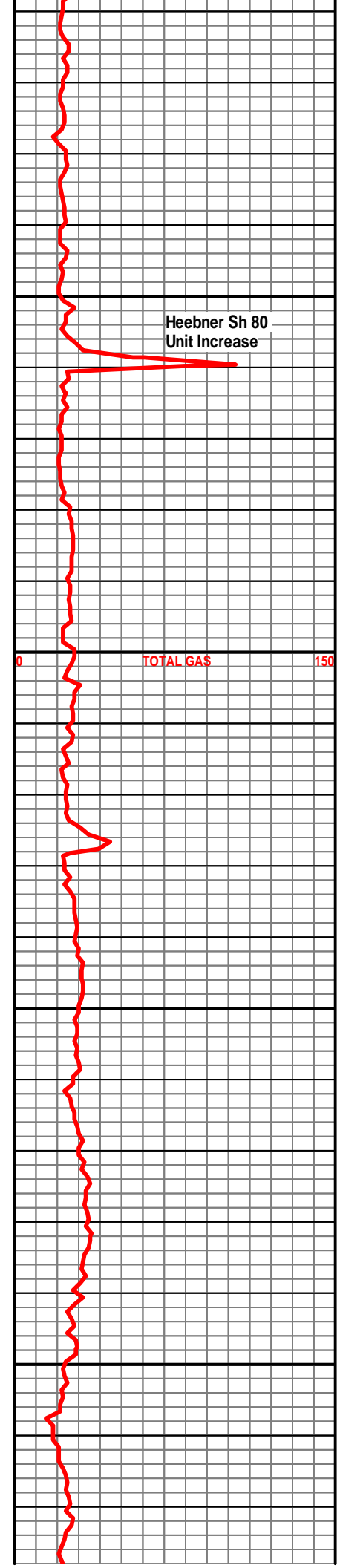
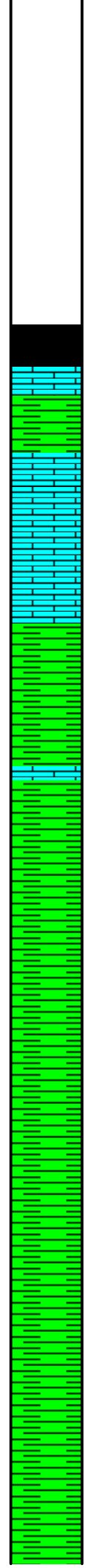
1750

Lithology from 1750' to 2300' from OH Logs

1800

1850

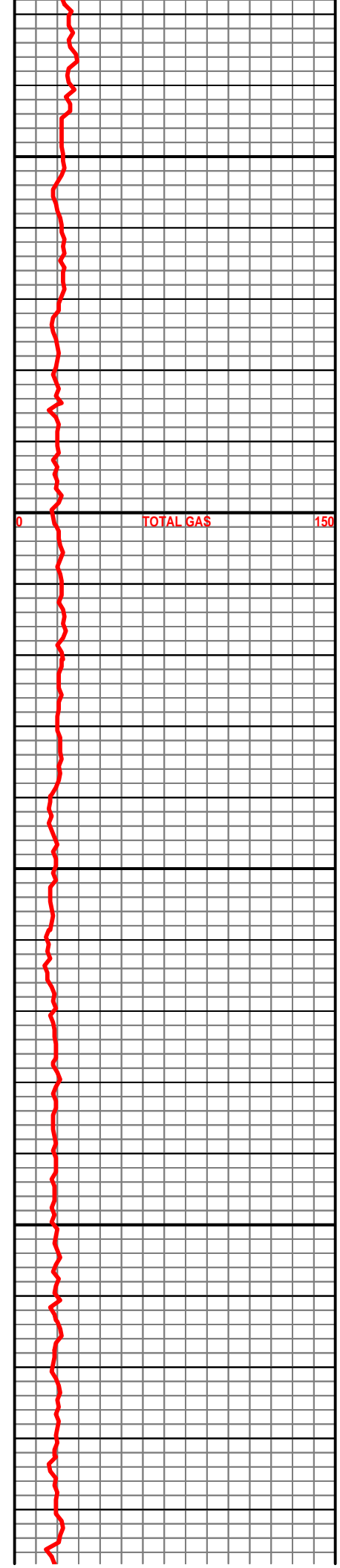
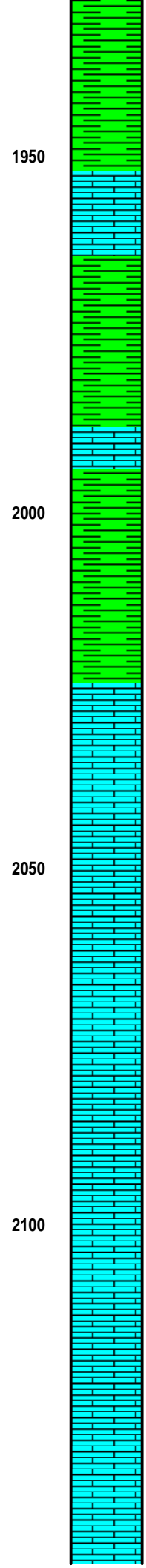
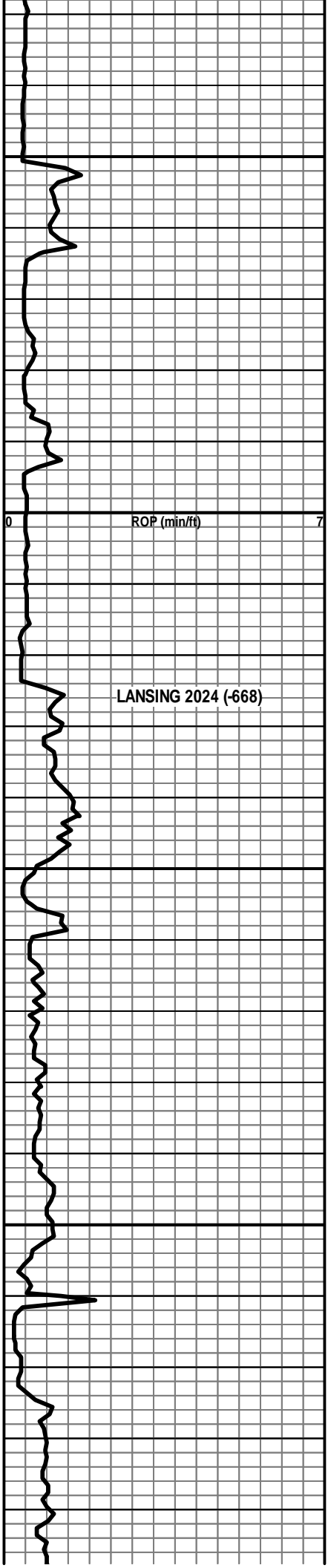
1900

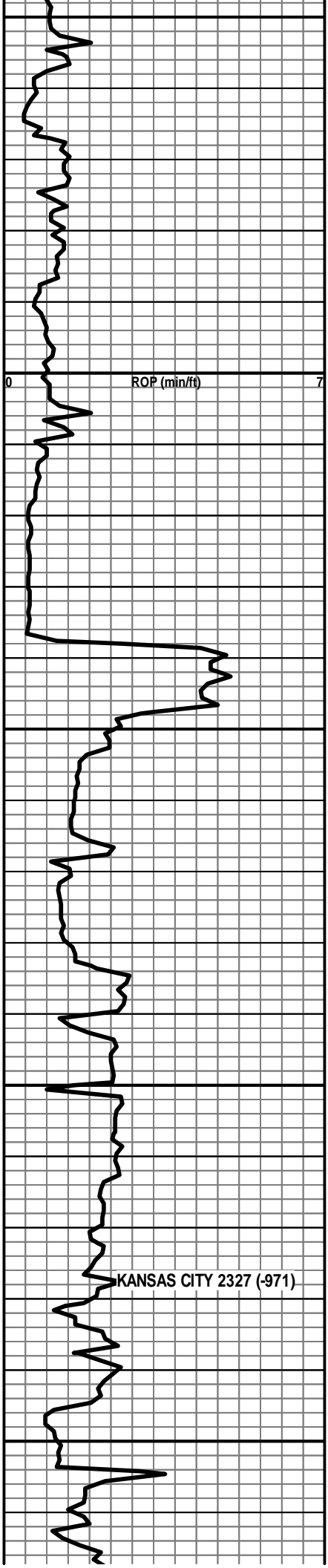


Heebner Sh 80 Unit Increase

TOTAL GAS

150





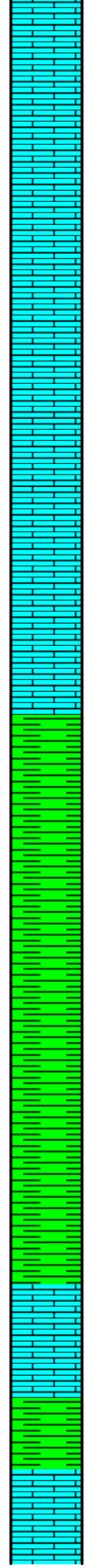
2150

2200

2250

2300

2350



Sh, gry

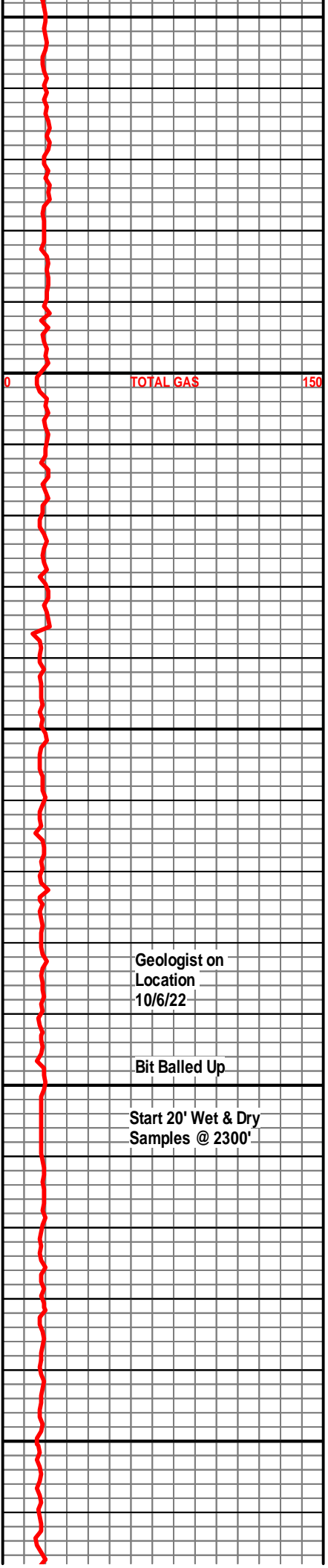
Ls, tan, buff, fxln, dense

Sh, gry

Ls, tan, buff, fxln, dense

Sh, gry

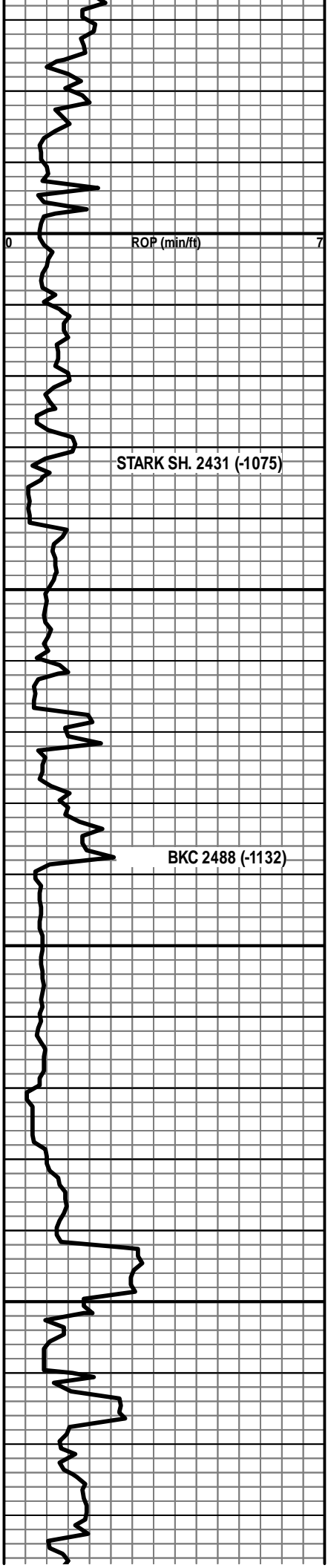
Ls, crm, buff, fxln, trace xln porosity, chalky. Scat gry, dense to cherty



Geologist on Location  
10/6/22

Bit Balled Up

Start 20' Wet & Dry Samples @ 2300'

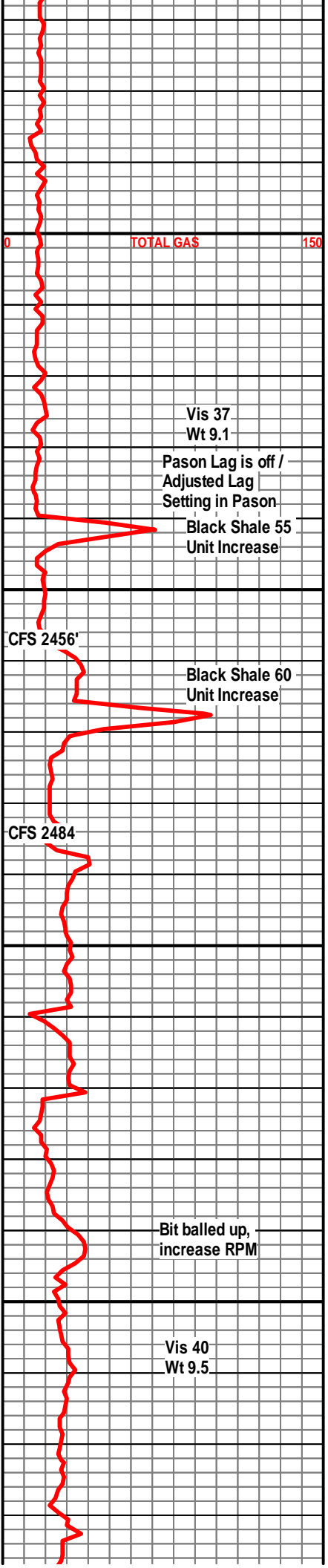
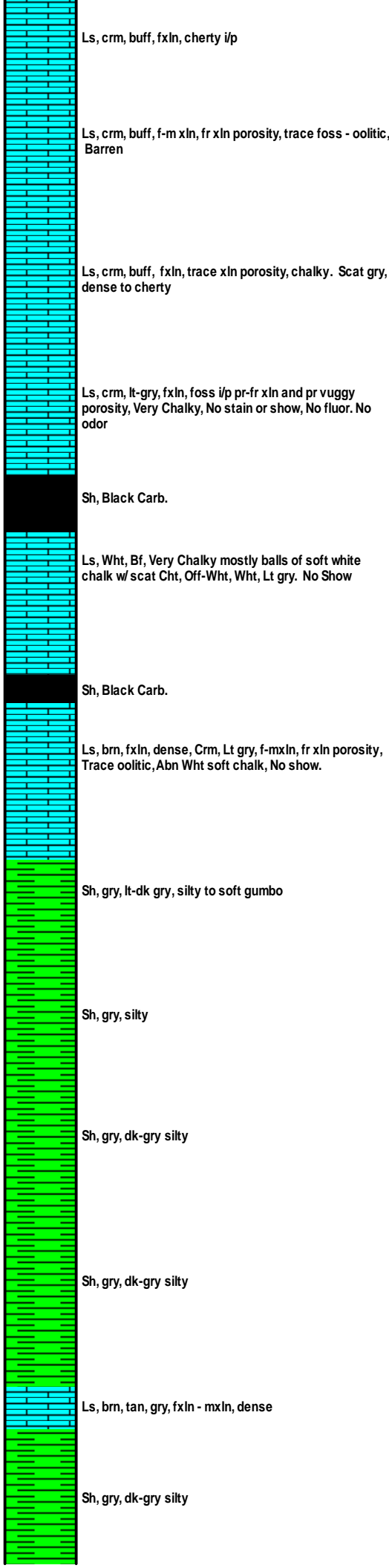


2400

2450

2500

2550



STARK SH. 2431 (-1075)

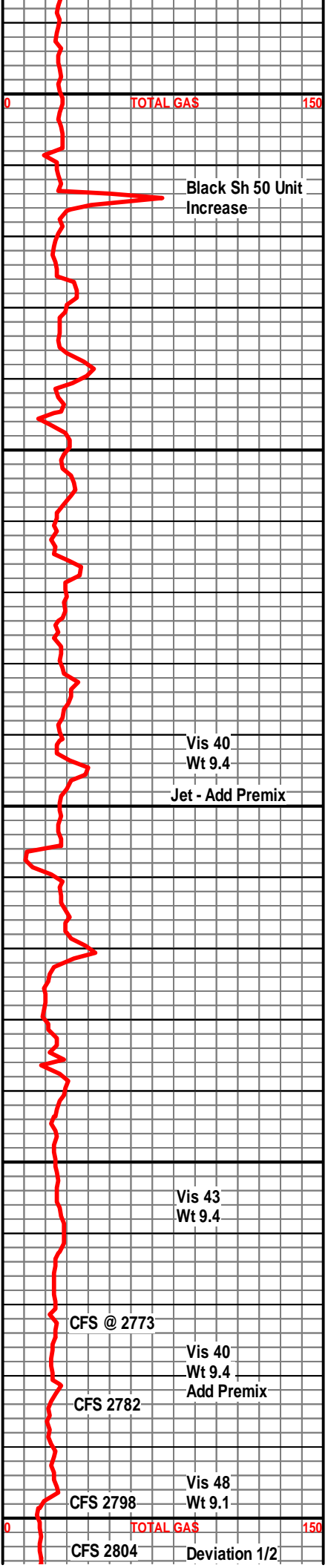
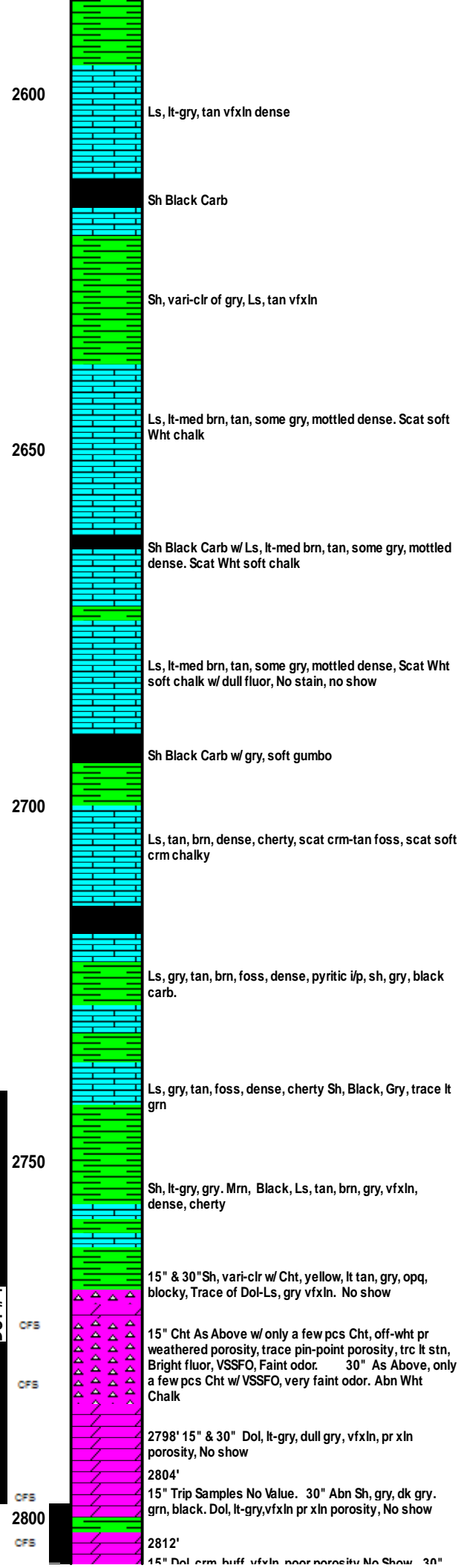
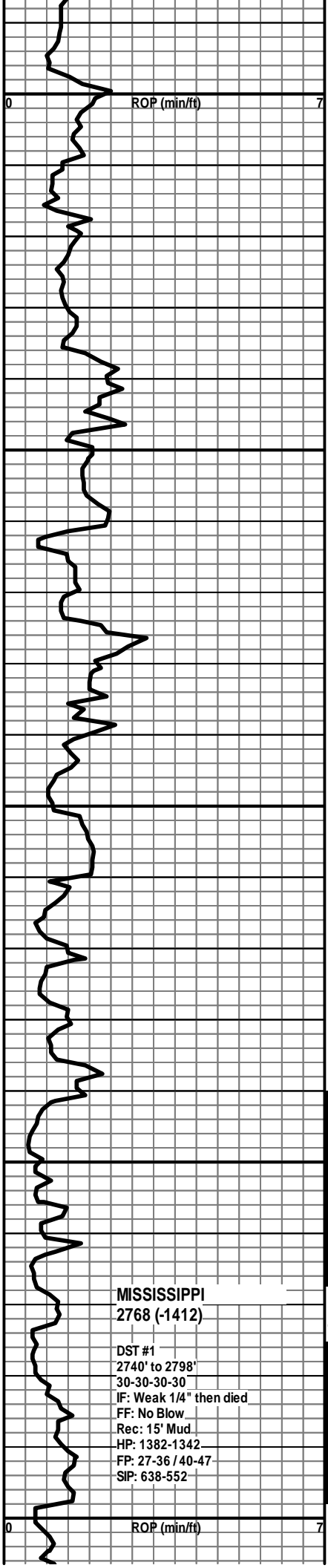
BKC 2488 (-1132)

Pason Lag is off /  
Adjusted Lag  
Setting in Pason

Black Shale 60  
Unit Increase'

Bit balled up,  
increase RPM

Vis 40  
Wt 9.5



**MISSISSIPPI**  
2768 (-1412)

DST #1  
2740' to 2798'  
30-30-30-30  
IF: Weak 1/4" then died  
FF: No Blow  
Rec: 15' Mud  
HP: 1382-1342  
FP: 27-36 / 40-47  
SIP: 638-552

DST #1

CFS  
CFS  
CFS

Deviation 1/2

MISS - OSAGE 2816  
(-1460)

DST #2  
2798' to 2820'  
30-30-45-45  
IF: Weak built to 1.25"  
FF: Weak built to 1.0"  
Rec:

30' (10%Oil, 10% wtr)  
60' (25% Oil, 30% wtr)  
60' (10% Oil, 25% wtr)  
60' (10% gas, 5% Oil, 35% wtr)  
Rec. Chl. 15,000  
Formation Chl 50,000  
HP: 1395-1349  
FP: 23-61 / 69-112  
SIP: 796-792

DST #3  
2813' to 2823'  
30-30-60-60  
IF: Fair built to 4.25"  
FF: Fair built to 6.0"  
Rec: 426' GIP  
63' (30%Oil, 70% wtr)  
60' (5% gas 5% Oil, 75% wtr)  
120' (5% gas 5% Oil, 80% wtr)  
120' (95% wtr)  
Rec. Chl. 30,000  
Formation Chl 50,000  
HP: 1396-1358  
FP: 21-77 / 83-164  
SIP: 799-422

\*\*\*Only had blow back on FF which indicates leak in shut in tool that effected final SIP.

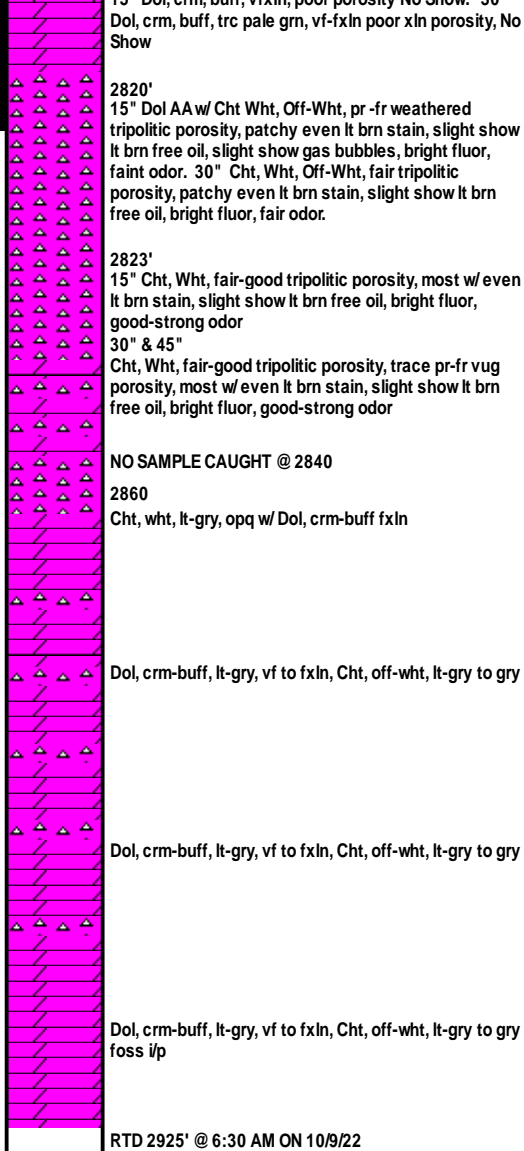
DST #3

2850

2900

DST #2

C  
M  
C  
M  
C  
M



15' Dol, crm, buff, vfxln, poor porosity no show. No Show  
Dol, crm, buff, trc pale grn, vf-fxln poor xln porosity, No Show

2820'  
15" Dol AA w/ Cht Wht, Off-Wht, pr-fr weathered tripolitic porosity, patchy even lt brn stain, slight show lt brn free oil, slight show gas bubbles, bright fluor, faint odor. 30" Cht, Wht, Off-Wht, fair tripolitic porosity, patchy even lt brn stain, slight show lt brn free oil, bright fluor, fair odor.

2823'  
15" Cht, Wht, fair-good tripolitic porosity, most w/ even lt brn stain, slight show lt brn free oil, bright fluor, good-strong odor  
30" & 45"  
Cht, Wht, fair-good tripolitic porosity, trace pr-fr vug porosity, most w/ even lt brn stain, slight show lt brn free oil, bright fluor, good-strong odor

NO SAMPLE CAUGHT @ 2840

2860  
Cht, wht, lt-gry, opq w/ Dol, crm-buff fxln

Dol, crm-buff, lt-gry, vf to fxln, Cht, off-wht, lt-gry to gry

Dol, crm-buff, lt-gry, vf to fxln, Cht, off-wht, lt-gry to gry

Dol, crm-buff, lt-gry, vf to fxln, Cht, off-wht, lt-gry to gry foss i/p

RTD 2925' @ 6:30 AM ON 10/9/22

CFS 2812

Pipe Stap and Board Match  
2804.69

CFS 2820

28 Unit Kick

CFS 2823





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

AGV Corp.  
123 N Main, Po Box 377  
Attica, KS 67009  
ATTN: Kent Roberts

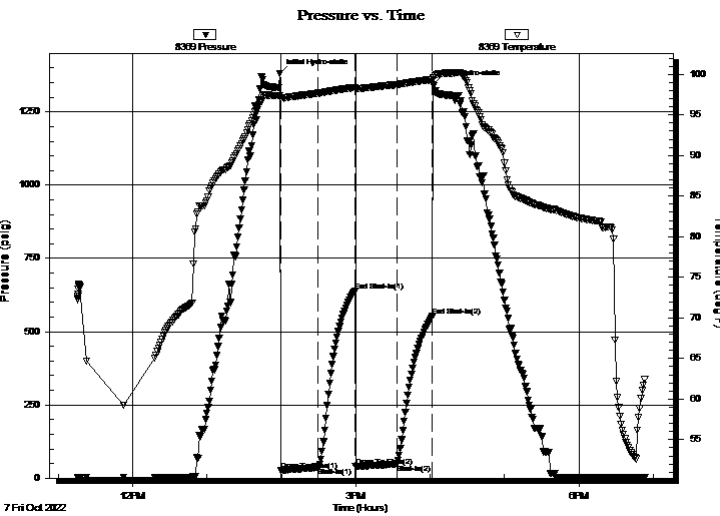
**9-26S-3E Butler Co**  
**Benfer #8**  
Job Ticket: 69602      **DST#: 1**  
Test Start: 2022.10.07 @ 11:15:43

## GENERAL INFORMATION:

Formation: **Mississippian**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 13:59:33  
Time Test Ended: 18:53:22  
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  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Eric Burgess  
Unit No: 80  
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)      Capacity: 8000.00 psig  
Start Date: 2022.10.07      End Date: 2022.10.07      Last Calib.: 1899.12.30  
Start Time: 11:15:44      End Time: 18:53:23      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)







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

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

### Mud and Cushion Information

Mud Type:		Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	47.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

### Recovery Information

Recovery Table

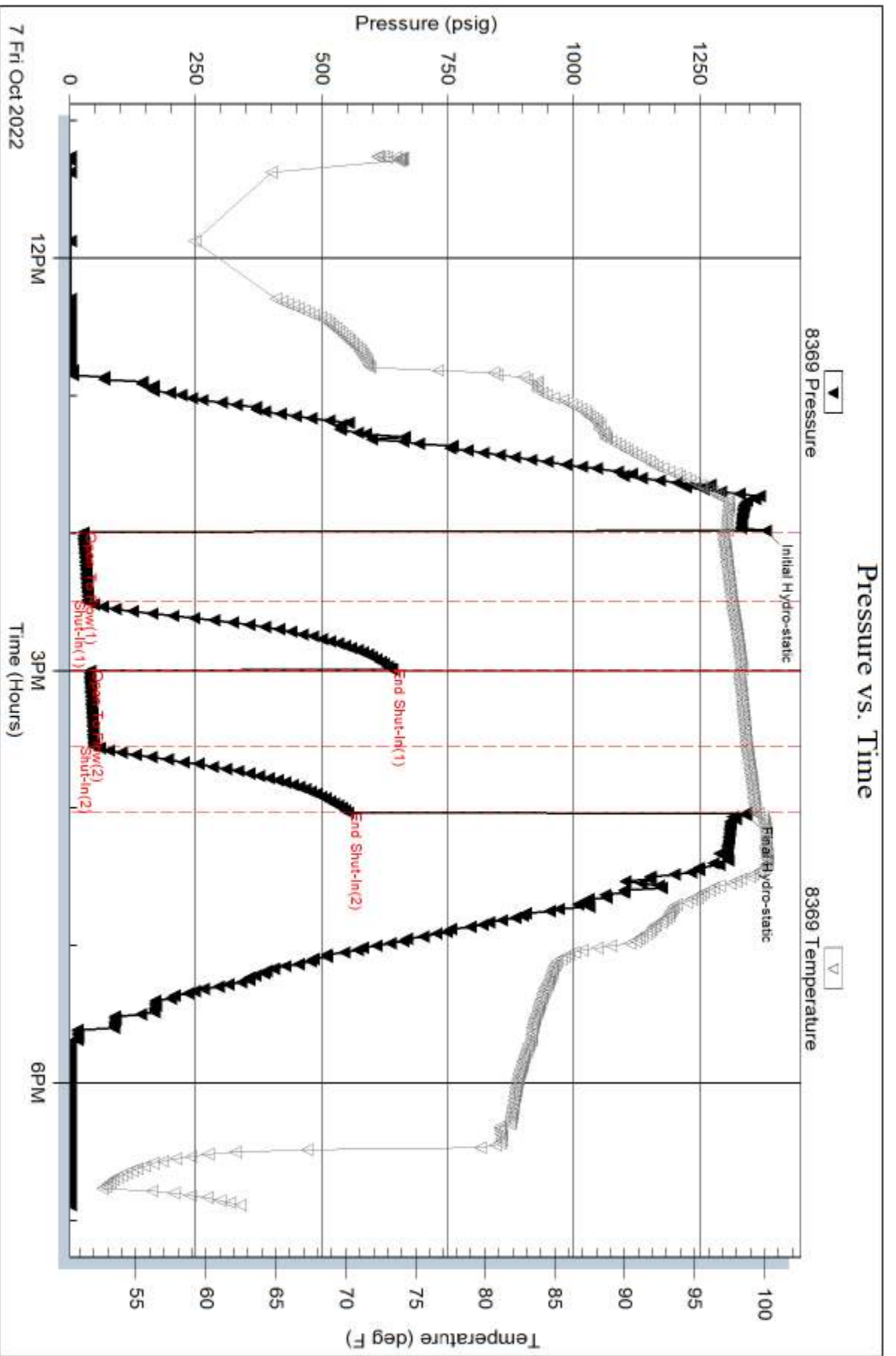
Length ft	Description	Volume bbl
15.00	M 100%M	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:



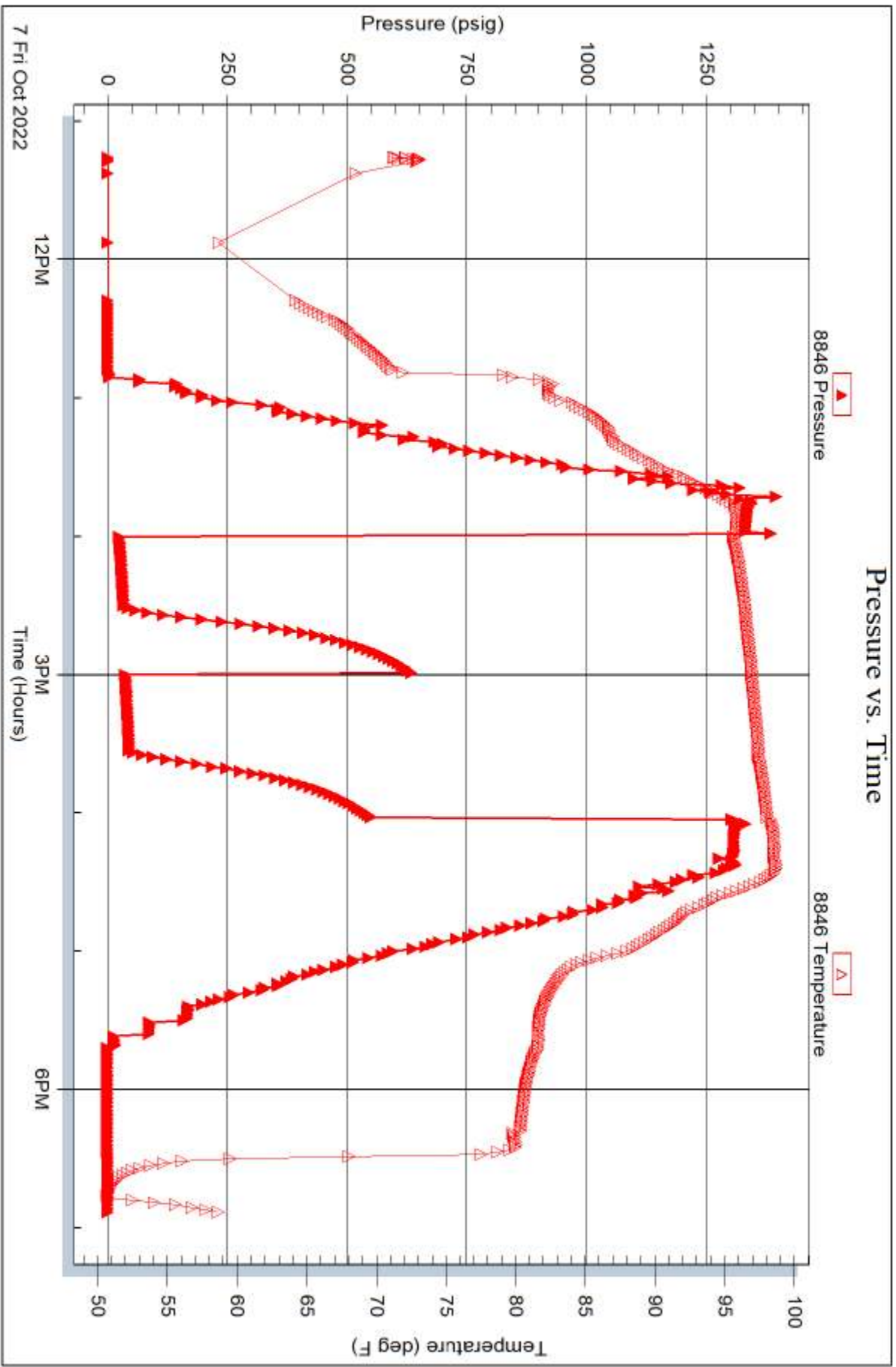
Serial #: 8846

Inside

AGV Corp.

Benfer #8

DST Test Number: 1





**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

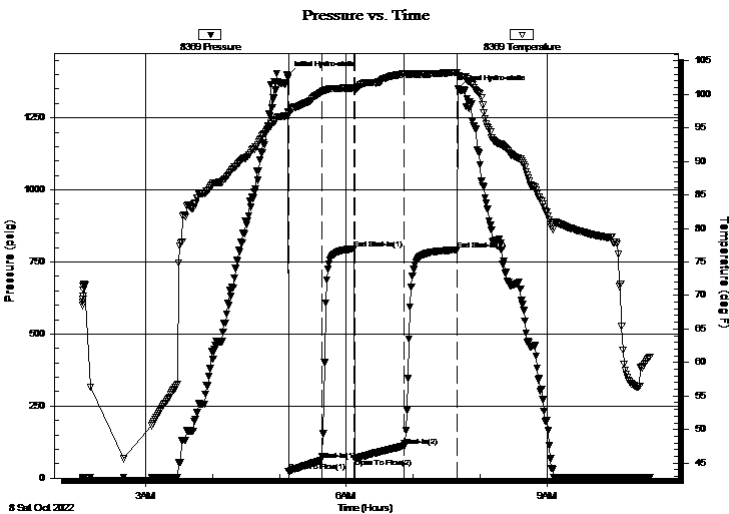
## GENERAL INFORMATION:

Formation: **Miss Osage**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 05:08:00  
Time Test Ended: 10:32:40  
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  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Eric Burgess  
Unit No: 80  
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) Capacity: 8000.00 psig  
Start Date: 2022.10.08 End Date: 2022.10.08 Last Calib.: 2022.10.08  
Start Time: 02:03:11 End Time: 10:32:40 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	69.26	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)



**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

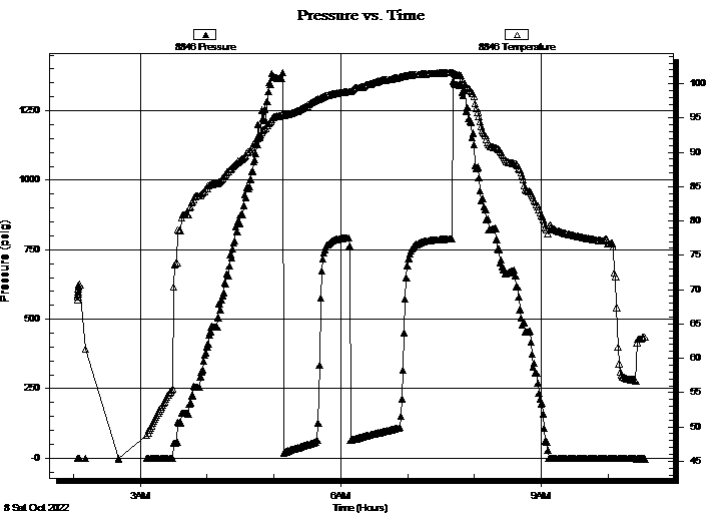
## GENERAL INFORMATION:

Formation: **Miss Osage**  
Deviated: No    Whipstock:                      ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 05:08:00      Tester: Eric Burgess  
Time Test Ended: 10:32:40      Unit No: 80  
  
Interval: **2798.00 ft (KB) To 2820.00 ft (KB) (TVD)**      Reference Elevations: 1356.00 ft (KB)  
Total Depth: 2820.00 ft (KB) (TVD)      1347.00 ft (CF)  
Hole Diameter: 7.88 inches    Hole Condition: Fair      KB to GR/CF: 9.00 ft

## Serial #: 8846

Press@RunDepth:                      psig @                      ft (KB)      Capacity: 8000.00 psig  
Start Date: 2022.10.08      End Date: 2022.10.08      Last Calib.: 1899.12.30  
Start Time: 02:03:40      End Time: 10:33:19      Time On Btm:  
Time Off Btm:

**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

## 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)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

## Mud and Cushion Information

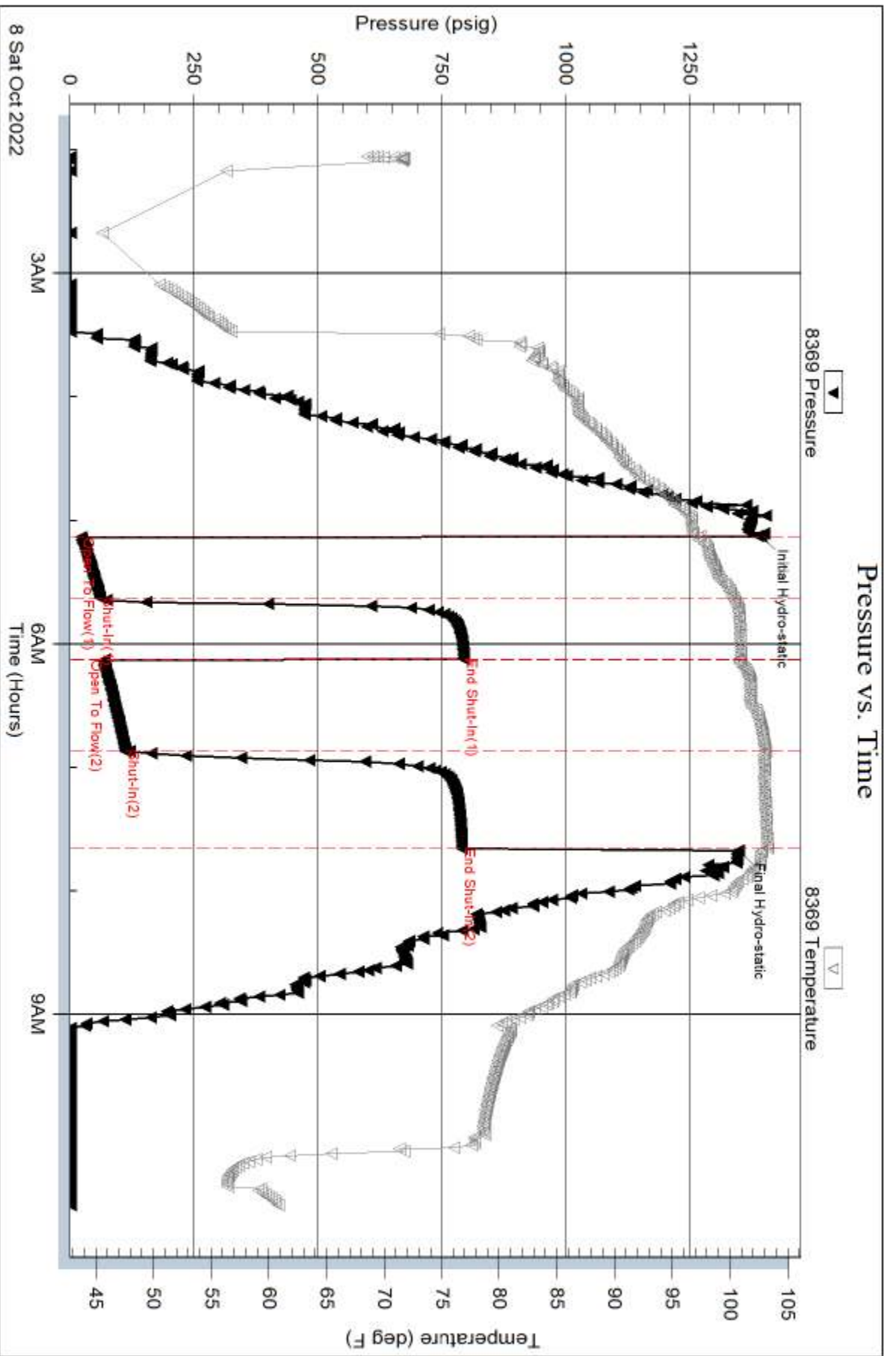
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	15000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

## Recovery Information

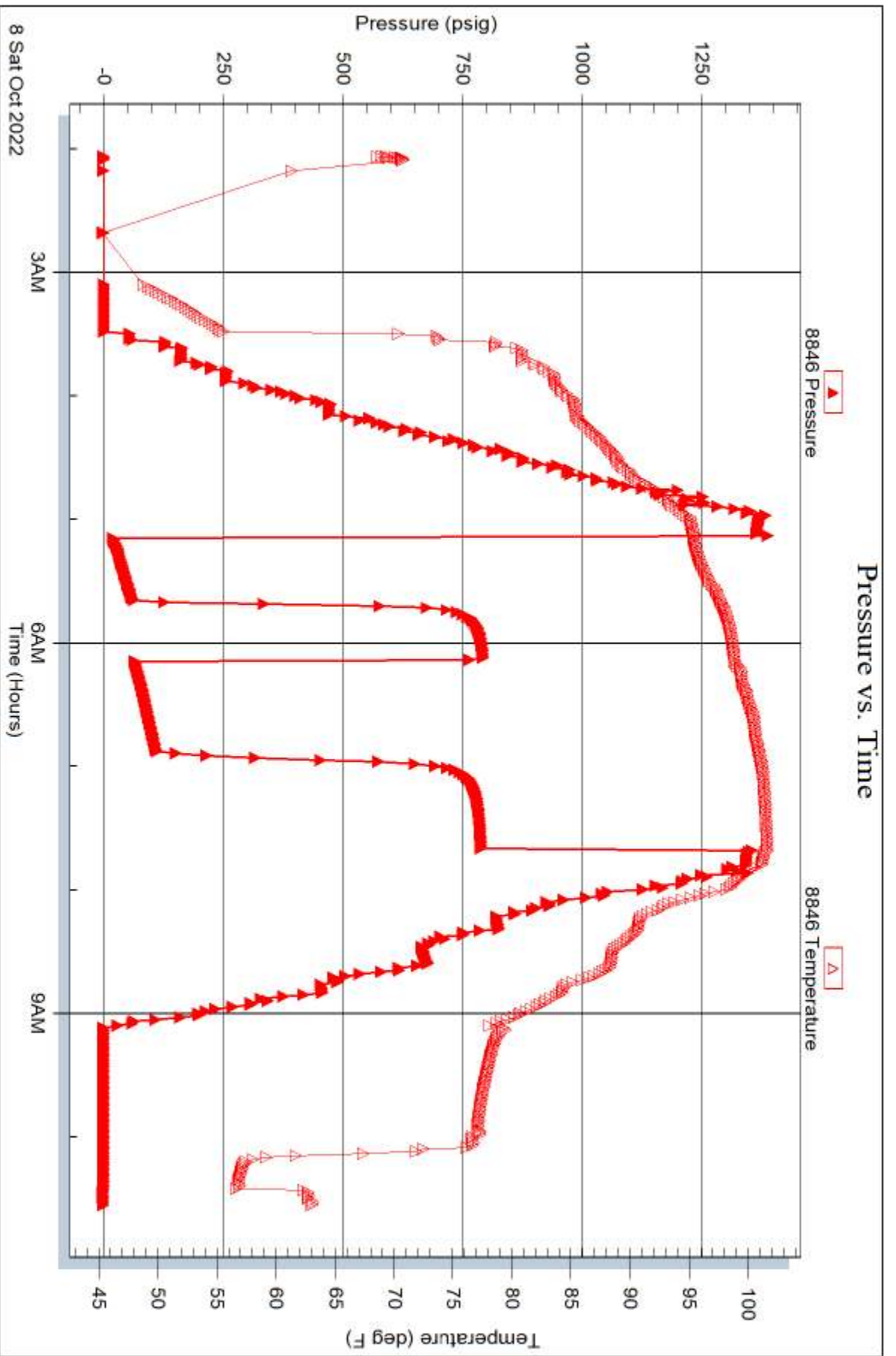
Recovery Table

Length ft	Description	Volume bbl
60.00	GOWCM 10%G 5%O 35%W 50%M	0.295
60.00	OWCM 10%O 25%W 65%M	0.295
60.00	OWCM 25%O 30%W 45%M	0.295
30.00	OWCM 10%O 10%W 80%M	0.148

Total Length: 210.00 ft      Total Volume: 1.033 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

AGV Corp.  
123 N Main, Po Box 377  
Attica, KS 67009  
ATTN: Kent Roberts

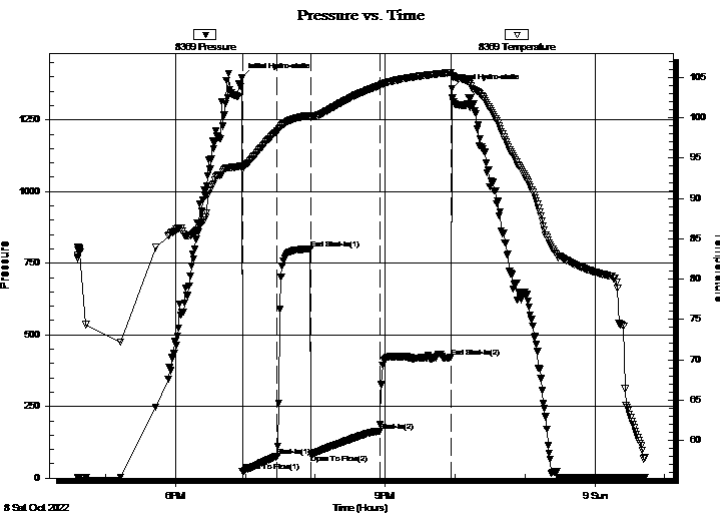
**9-26S-3E Butler Co**  
**Benfer #8**  
Job Ticket: 69604      **DST#: 3**  
Test Start: 2022.10.08 @ 16:36:04

## GENERAL INFORMATION:

Formation: **Miss Osage**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 18:57:24  
Time Test Ended: 00:43:13  
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  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Eric Burgess  
Unit No: 80

**Serial #: 8369      Outside**  
Press@RunDepth: 163.77 psig @ 2814.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2022.10.08      End Date: 2022.10.09      Last Calib.: 2022.10.09  
Start Time: 16:36:05      End Time: 00:43:14      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	426' 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)



# TRILOBITE TESTING, INC

## DRILL STEM TEST REPORT

AGV Corp.  
 123 N Main, Po Box 377  
 Attica, KS 67009  
 ATTN: Kent Roberts

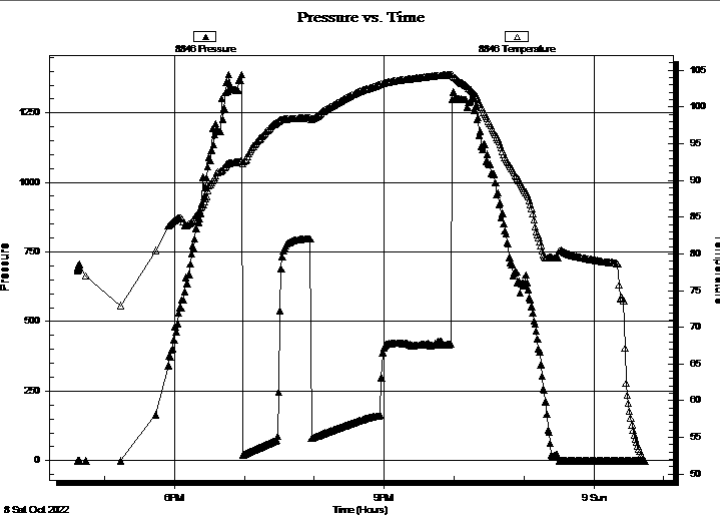
**9-26S-3E Butler Co**  
**Benfer #8**  
 Job Ticket: 69604 **DST#: 3**  
 Test Start: 2022.10.08 @ 16:36:04

### GENERAL INFORMATION:

Formation: **Miss Osage**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 18:57:24 Tester: Eric Burgess  
 Time Test Ended: 00:43:13 Unit No: 80  
 Interval: **2813.00 ft (KB) To 2823.00 ft (KB) (TVD)** Reference Elevations: 1356.00 ft (KB)  
 Total Depth: 2823.00 ft (KB) (TVD) 1347.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 8846 Inside**  
 Press@RunDepth: psig @ 2814.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.10.08 End Date: 2022.10.09 Last Calib.: 2022.10.09  
 Start Time: 16:36:52 End Time: 00:44:11 Time On Btm:  
 Time Off Btm:

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

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	426' 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)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

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

### 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:	30000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	426' GIP	0.000
120.00	GVSOMCW 5%O 5%G 80%W 10%M	0.590
120.00	OSMCW 95%W 5%M	0.590
60.00	GVSOMCW 5%G 5%O 75%W 15%M	0.295
63.00	OCW 30%O 70%M	0.853

Total Length: 363.00 ft      Total Volume: 2.328 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

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



C#6  
DR19  
R193

**Cement or Acid Field Report**  
Ticket No. 6755  
Foreman Kevin McCoy  
Camp EUREKA

API # 15-015-24161

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
10-3-22	1358	Benfer # 8	9	26S	3E	Butler	Ks
Customer	Mailing Address		Safety Meeting	Unit #	Driver	Unit #	Driver
AGV CORPORATION	123 N. MAIN		KM RM AB	111	Russ M.		
City	State	Zip Code		112	Allen B.		
Attica	Ks	67009					

Job Type SURFACE Hole Depth 224' K.B. Slurry Vol. 33 BBL 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 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 135 SKS CLASS "A" Cement w/ 3% CaCl2, 2% Gel, 1/4# floeal/sk @ 15#/gal, yield 1.35 = 33 BBL slurry. Displace w/ 13 BBL fresh water. Shut casing in. Good cement returns to surface = 8 BBL slurry to pit. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	950.00	950.00
C 167	40	Mileage	5.00	200.00
C 200	135 SKS	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 #	floeal 1/4 #/SK	2.80 #	95.20
C 108B	6.34 TONS	Ton Mileage 40 miles	1.50	427.95
			Sub Total	4537.40
			Less 5%	236.49
			Sales Tax	192.36
			<b>Total</b>	<b>4,493.27</b>

Authorization By Judd Gulick

Title C#6 Drlg Toolpusher

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 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



C&G Drig.  
 Rig #3

**Cement or Acid Field Report**  
 Ticket No. 6763  
 Foreman David Gardner  
 Camp Eureka

API # 15-015-24161

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
10-9-22	1358	Benfer #8	9	26 S.	3E.	Butler	KS
Customer		Safety Meeting		Unit #	Driver	Unit #	Driver
AGV Corporation		DG JH AB		105	Jason		
Mailing Address				110	Allen B.		
123 N. Main							
City	State	Zip Code					
Attica	KS	67009					

Job Type P.T.A. New Well Hole Depth 2925' K.B. Slurry Vol. \_\_\_\_\_ Tubing \_\_\_\_\_  
 Casing Depth \_\_\_\_\_ Hole Size 7 7/8" Slurry Wt. 14\* Drill Pipe 4 1/2" 16.60\*  
 Casing Size & Wt. \_\_\_\_\_ Cement Left in Casing \_\_\_\_\_ Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement \_\_\_\_\_ Displacement PSI \_\_\_\_\_ Bump Plug to \_\_\_\_\_ BPM \_\_\_\_\_

Remarks: Safety Meeting: Rig up to 4 1/2" 16.60\* Drill pipe. Plug well as follows:  
35 SKS @ 1900'  
35 SKS @ 250'  
20 SKS @ 60' to Surface  
20 SKS R.H.  
15 SKS M.H.  
125 SKS Total

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C103W	1	Pump Charge	1495.00	1495.00
C107	40	Mileage	5.00	200.00
C203	125 SKS	60/40 Pozmix Cement	15.75	1968.75
C206	430#	Gel 4%	.30	129.00
C108A	5.38 Tons	Ton Mileage - 40 Miles	m/c	390.00
<u>Thank You</u>			Sub Total	4,182.75
			Less 5%	215.95
			6.5% Sales Tax	136.35
Authorization by <u>Timmy Stack</u> Title <u>C&amp;G Drig. - Tool Pusher</u>			Total	4,103.15

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.