

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	AGV Corp.
Well Name	BARBARA 1
Doc ID	1592522

Tops

Name	Top	Datum
Lansing	2036	-685
Kansas City	2330	-979
Base / KC	2492	-1141
Miss/Cong.	2774	-1423
Miss Dolomite	2790	-1439
Miss Osage	2816	-1465
Kinderhook Sh	3088	-1737
Hunton	3144	-1793
Simpson Sand	3201	1850
Arbuckle	3270	-1919
Total Depth	3338	-1987

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



C#6
 DR19
 R19 #2

Cement or Acid Field Report	
Ticket No.	5886
Foreman	<u>Kevin McCoy</u>
Camp	<u>EUREKA</u>

API # 15-015-24153

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
9-15-21	1358	BARBARA #1	8	26S	3E	Butler	Ks	
Customer <u>AGV CORPORATION</u>			Safety Meeting KM JH SF		Unit #	Driver	Unit #	Driver
Mailing Address <u>123 N. MAIN</u>					<u>105</u>	<u>JASON H.</u>		
City <u>ATTICA</u>			State <u>Ks</u>		Zip Code <u>67009</u>			
					<u>112</u>	<u>SHANNON F.</u>		

Job Type SURFACE Hole Depth 221' KB Slurry Vol. 29 BBL Tubing _____
 Casing Depth 206.80' 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 _____ Other _____
 Displacement 12.7 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 125 sks CLASS "A" Cement w/ 5% CaCl2, 2% Gel, 1/4" FloSeal/sk @ 15#/gal, 29 BBL Slurry. Displace w/ 12.7 BBL Fresh water. Shut casing in. Good Cement Returns to surface = 4 BBL Slurry to the pit. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	890.00	890.00
C 107	40	Mileage	4.20	168.00
C 200	125 SKS	CLASS "A" Cement	17.35	2168.75
C 205	350 #	CaCl2 3%	.69*	241.50
C 206	235 #	Gel 2%	.28*	65.80
C 209	30 #	FloSeal 1/4" /SK	2.60*	78.00
C108A	5.87 Tons	Ton Mileage	M/c	365.00
			Sub Total	3977.05
			Less 5%	207.15
			Sales Tax	166.01
Authorization <u>Kent Roberts</u> Title _____ Total <u>3,935.91</u>				

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

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



Cement or Acid Field Report	
Ticket No.	5855
Foreman	<i>David Gardner</i>
Camp	<i>Eureka</i>

API# 15-015-24153

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
9-22-21	1358	Barbara #1	8	26 S.	3 E.	Butler	KS
Customer <i>AGV Corporation</i>			Unit #	Driver		Unit #	Driver
Mailing Address <i>123 N. Main</i>			<i>105</i>	<i>Jason</i>			
City <i>Attica</i>			<i>110</i>	<i>Shannon</i>			
State <i>KS</i>		Zip Code <i>67009</i>					

Job Type *P.T.A. New Well* Hole Depth *3340'* Slurry Vol. *32 Bbl Total* Tubing _____
 Casing Depth _____ Hole Size *7 7/8"* Slurry Wt. *14** Drill Pipe *4 1/2" 16.60**
 Casing Size & Wt. _____ Cement Left in Casing _____ Water Gal/SK _____ Other _____
 Displacement _____ Displacement PSI _____ Bump Plug to _____ BPM _____

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

35 SKS @ 3302'
35 SKS @ 252'
20 SKS @ 60' to Surface
20 SKS in Rat Hole
15 SKS in Mouse Hole
125 SKS Total

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C103	1	Pump Charge	1100.00	1100.00
C107	40	Mileage	4.20	168.00
C203	125 SKS	100/40 Pozmix Cement	14.75	1843.75
C206	430*	Gel 4%	.28	120.40
C108A	5.37 Tons	Ton Mileage - Bulk Truck	m/c	365.00
<i>Thank You</i>			Sub Total	3,597.15
			Less 5%	186.24
			6.5% Sales Tax	127.67
Authorization by <i>Judd Galick</i> Title <i>C&G Drlg. - Tool Pusher</i>			Total	3,538.58

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.



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

AGV Corporation
 123 North Main
 P.O. Box 377
 Attica, KS 67009-0377
 ATTN: Kent Roberts

8/26S/3E Butler, KS

Barbara #1

Job Ticket: 67137

DST#: 1

Test Start: 2021.09.18 @ 19:22:00

GENERAL INFORMATION:

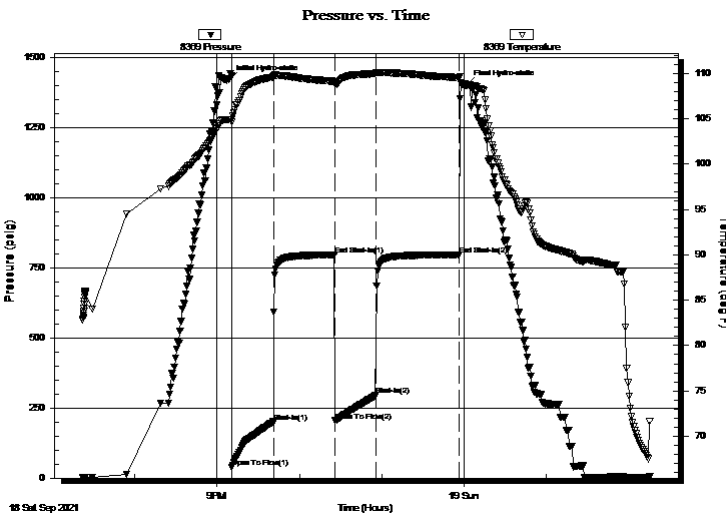
Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:10:50
 Time Test Ended: 02:15:50
 Interval: **2808.00 ft (KB) To 2822.00 ft (KB) (TVD)**
 Total Depth: 2822.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1351.00 ft (KB)
 1342.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8369

Inside

Press@RunDepth: 294.73 psig @ 2809.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.09.18 End Date: 2021.09.19 Last Calib.: 1899.12.30
 Start Time: 19:22:01 End Time: 02:15:50 Time On Btm: 2021.09.18 @ 21:09:00
 Time Off Btm: 2021.09.19 @ 00:02:39

TEST COMMENT: IF - Weak blow building to strong blow 10 minutes into initial flow period. Continuing to build to 26 inches of water.
 FF - Weak blow building to strong blow 14 minutes into final flow period. Continuing to build to 21 inches of water.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1423.12	104.95	Initial Hydro-static
2	39.24	104.66	Open To Flow (1)
32	200.66	109.63	Shut-In(1)
77	796.84	109.15	End Shut-In(1)
77	204.34	108.90	Open To Flow (2)
107	294.73	109.99	Shut-In(2)
168	797.17	109.56	End Shut-In(2)
174	1404.55	108.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
590.00	Tr oil MCW TrO 81% W & 19% M	6.06
1.00	Clean Oil 100% O	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

8/26S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS 67009-0377
ATTN: Kent Roberts

Barbara #1

Job Ticket: 67137

DST#: 1

Test Start: 2021.09.18 @ 19:22:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
590.00	Tr oil MCW TrO 81% W & 19% M	6.063
1.00	Clean Oil 100% O	0.014

Total Length: 591.00 ft Total Volume: 6.077 bbl

Num Fluid Samples: 0

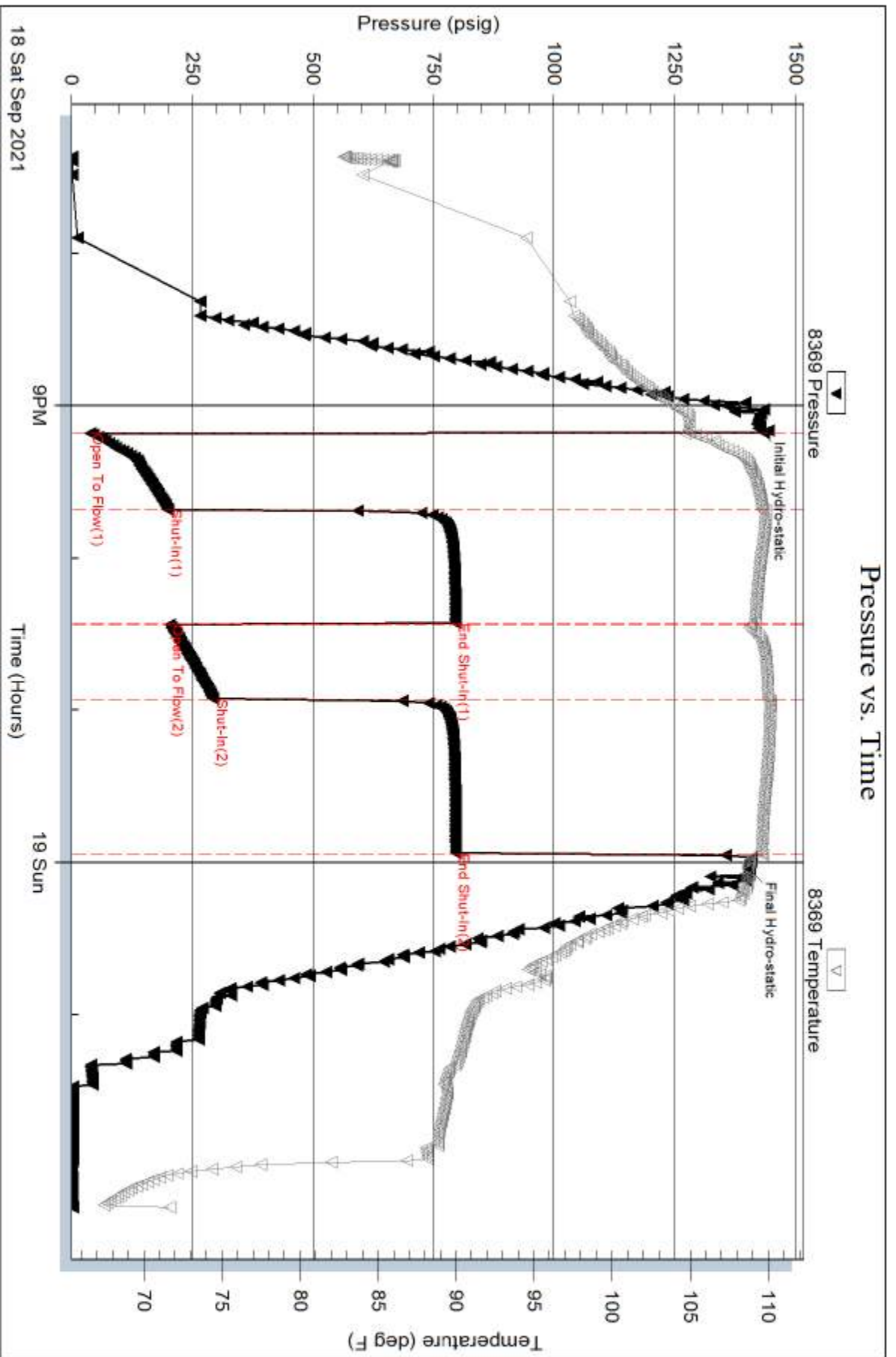
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

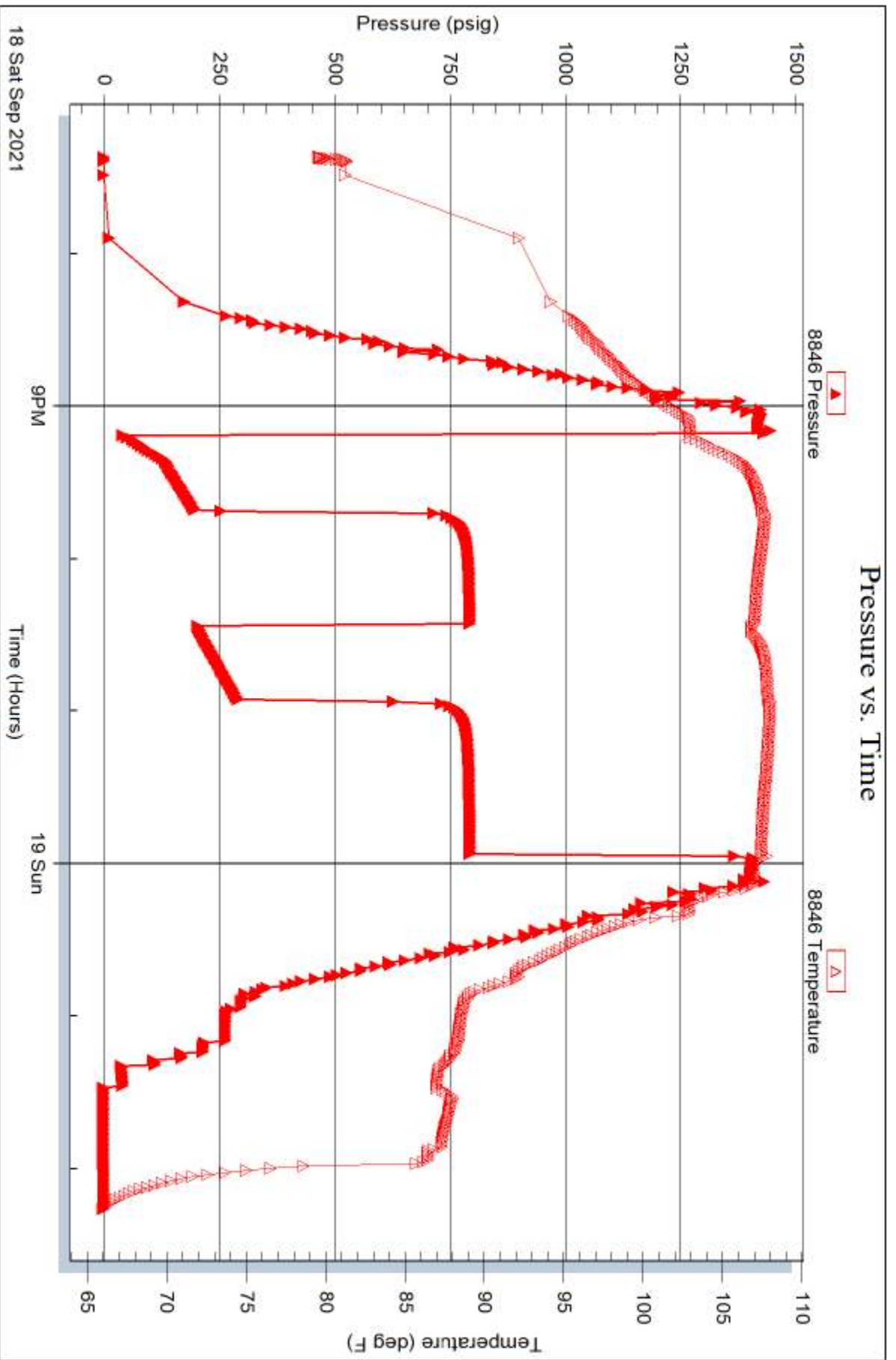


Serial #: 8846

Outside AGV Corporation

Barbara #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67137

Printed: 2021.09.19 @ 05:17:45



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corporation

8/26S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS 67009-0377
ATTN: Kent Roberts

Barbara #1

Job Ticket: 67138

DST#: 2

Test Start: 2021.09.21 @ 15:20:00

GENERAL INFORMATION:

Formation: **Lower Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:33:00

Time Test Ended: 22:32:00

Test Type: Conventional Straddle (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 3220.00 ft (KB) To 3272.00 ft (KB) (TVD)

Reference Elevations: 1351.00 ft (KB)

Total Depth: 3338.00 ft (KB) (TVD)

1342.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8846 Inside

Press@RunDepth: 110.44 psig @ 3221.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.09.21

End Date: 2021.09.21

Last Calib.: 1899.12.30

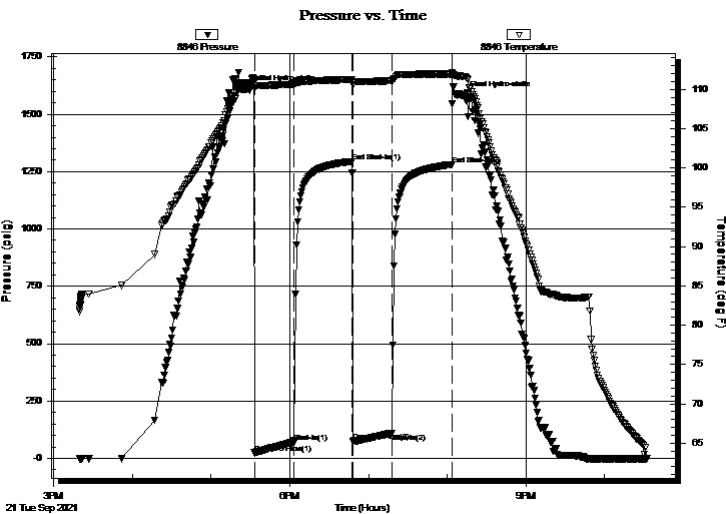
Start Time: 15:20:01

End Time: 22:32:00

Time On Btm: 2021.09.21 @ 17:27:30

Time Off Btm: 2021.09.21 @ 20:12:20

TEST COMMENT: IF - Weak blow building to 2 inches of water during initial flow period.
FF - Weak blow building to 1 1/2 inches of water during final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.03	110.85	Initial Hydro-static
6	23.33	110.10	Open To Flow (1)
36	71.36	110.65	Shut-In(1)
80	1294.24	111.24	End Shut-In(1)
81	72.95	110.55	Open To Flow (2)
111	110.44	111.09	Shut-In(2)
156	1281.12	111.93	End Shut-In(2)
165	1582.35	111.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	Drilling Mud 100% M	0.91

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

AGV Corporation

8/26S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS 67009-0377
ATTN: Kent Roberts

Barbara #1

Job Ticket: 67138

DST#: 2

Test Start: 2021.09.21 @ 15:20:00

GENERAL INFORMATION:

Formation: **Lower Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:33:00

Time Test Ended: 22:32:00

Test Type: Conventional Straddle (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 3220.00 ft (KB) To 3272.00 ft (KB) (TVD)

Reference Elevations: 1351.00 ft (KB)

Total Depth: 3338.00 ft (KB) (TVD)

1342.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8369 Below (Straddle)

Press@RunDepth: psig @ 3273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.09.21

End Date: 2021.09.21

Last Calib.: 1899.12.30

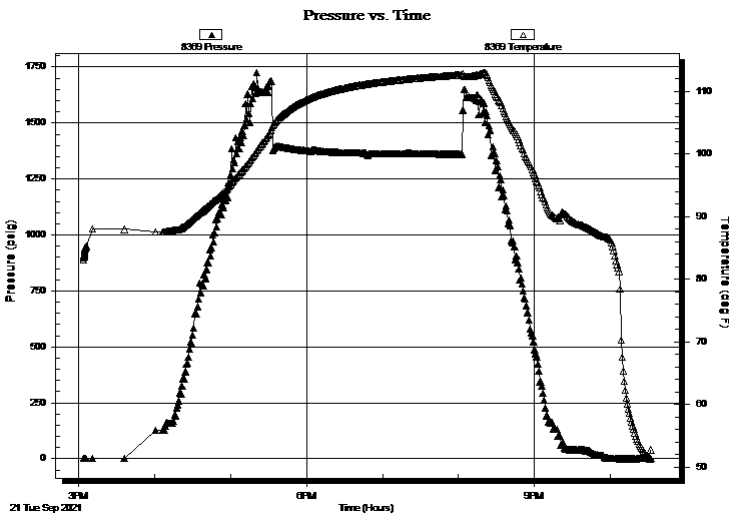
Start Time: 15:04:01

End Time: 22:31:50

Time On Btm:

Time Off Btm:

TEST COMMENT: IF - Weak blow building to 2 inches of water during initial flow period.
FF - Weak blow building to 1 1/2 inches of water during final flow period.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
185.00	Drilling Mud 100% M	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

AGV Corporation

8/26S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS 67009-0377
ATTN: Kent Roberts

Barbara #1

Job Ticket: 67138

DST#: 2

Test Start: 2021.09.21 @ 15:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	Drilling Mud 100% M	0.910

Total Length: 185.00 ft Total Volume: 0.910 bbl

Num Fluid Samples: 0

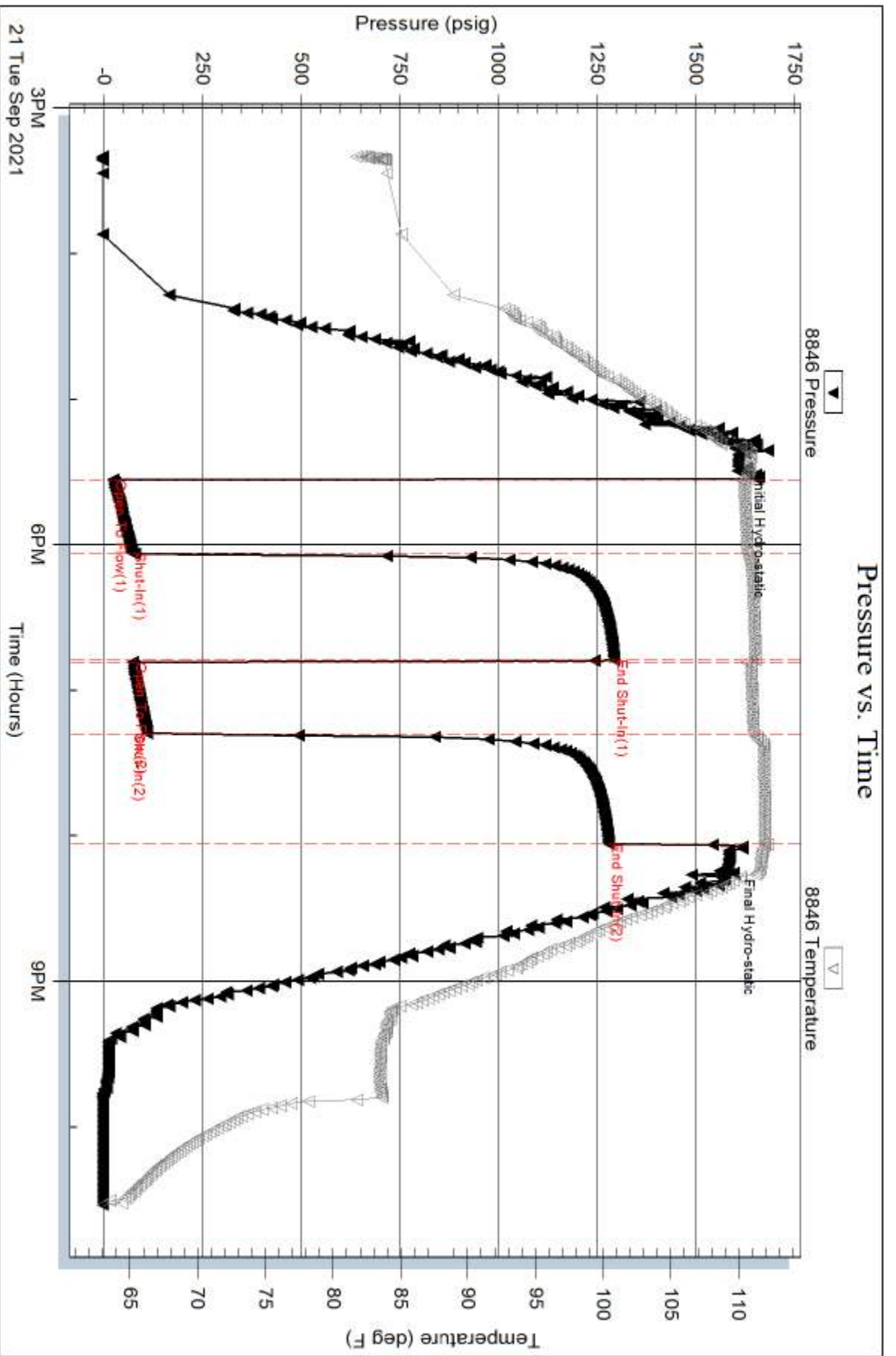
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

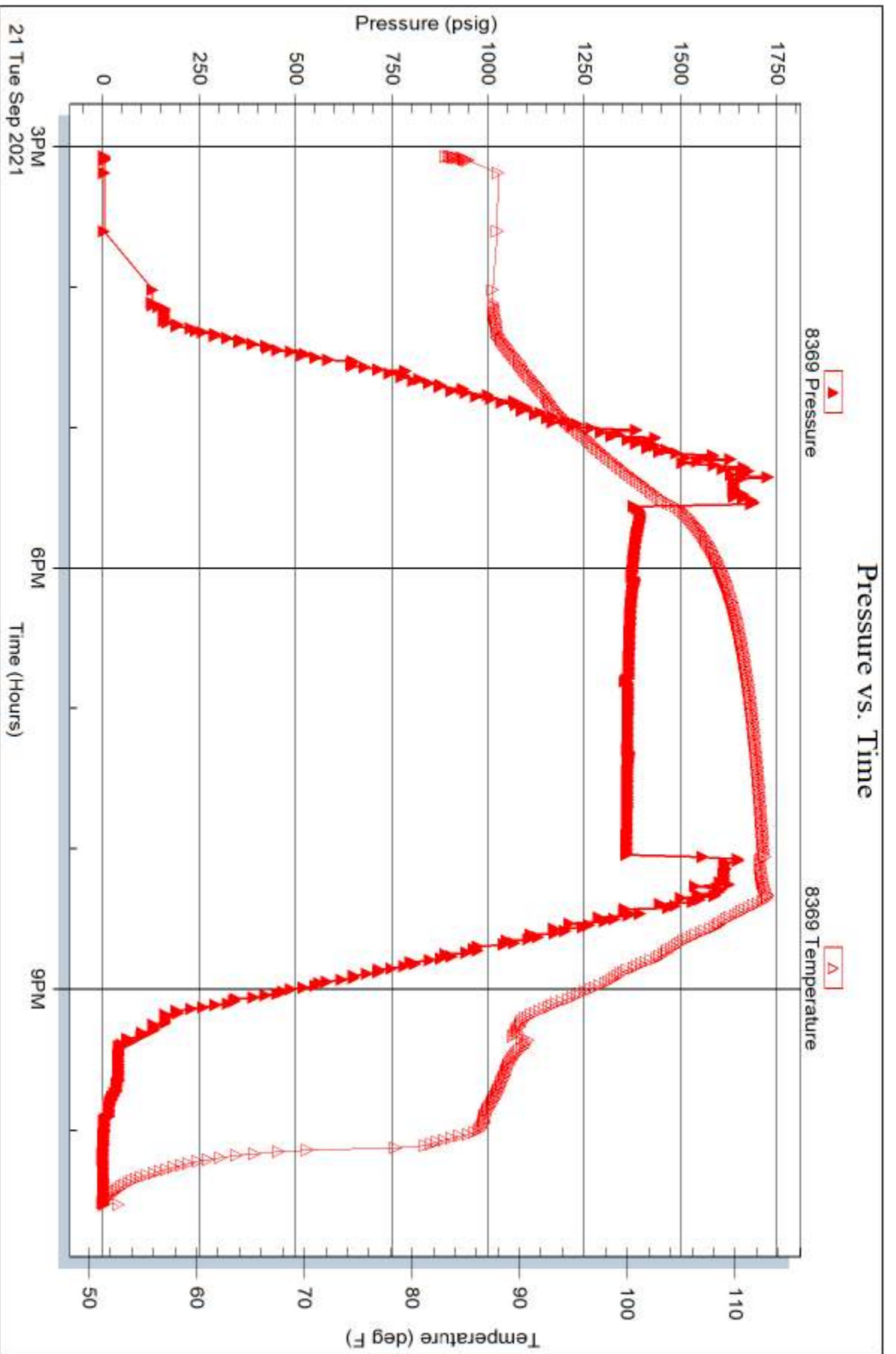


Serial #: 8369

Below (Straddle) Corporation

Barbara #1

DST Test Number: 2



PLOTTED GEOLOGICAL LOG

WellSight Systems

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

Well Name: Barbara #1
Location: Sec. 8-T26S-R3E
Licence Number: API # 15-015-24153-00-00
Spud Date: 9/15/2021
Surface Coordinates: 2310' FSL & 2110' FEL of Sec. 8-T26S-R3E
NAD27 Lat. 37.802437, Long. -97.124207
Bottom Hole Vertical
Coordinates:
Ground Elevation (ft): 1342' K.B. Elevation (ft): 1351'
Logged Interval (ft): 2000' To: 3340' Total Depth (ft): 3340'
Formation: Arbuckle
Type of Drilling Fluid: Chemical Mud by Fud Mud
Region: Butler Co., Kansas
Drilling Completed: 9/21/21

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
Ph: 316-215-1683

INFORMATION

DRILLING CONTRACTOR: C&G Drilling
MUD TYPE: Chemical
DRILLING TIME KEPT FROM: 1700' to RTD
SAMPLES SAVED FROM: 2000' to RTD
SAMPLES EXAMINED FROM: 2000' to RTD
GEOLOGICAL SUPERVISION FROM: 2000' to RTD
ELECTRICAL SURVEYS: CDL/CNL, DIL, MEL, BHCS by ELI

CASING DATA

CONDUCTOR CASING: None
SURFACE CASING: 8-5/8 x 24# @ 218' KB
PRODUCTION : None

DAILY ACTIVITY @ 0700 HRS

9/15/2021 7:30 AM, Drill Rat Hole. Spud Well @ 9:30 AM. Cut 12-1/4 hole to 221'. Ran 5 jts New 8-5/8 x 24# casing, Tally 206.80' Set @ 218' KB. Elite cemented with 125 sacks Class A (2% gel, 3% CC, 1/4#/sack flo-seal @ 15 #/gal.) Displaced with 12.7 bbl water. Plug down 3:45 PM Cement did circulate. Wait on Cement.
 9/16/2021 Depth 700'. Drilling Ahead. Drilled out under surface @ 12:30 AM
 9/17/2021 Depth 2070'. Drilling Ahead. Mud Up @ 1850'
 9/18/2021 Depth 2610'. Drilling Ahead. Made Bit trip at 2575'. Deviation 1 degree at 2575'.
 9/19/2021 Depth 2900'. Drilling Ahead after DST #1 Miss Osage from 2808' to 2822'. Test time 30-45-30-60. IF: Weak built to strong blow in 10 minutes that built to 26 inches of water. ISI: No blow. FF: Weak built to strong blow in 14 minutes that built to 21" of water. FSI: No blow. Recovered 1' of clean oil and 590' of Mud Cut Water with trace of oil (81% water, 19% mud) HP: 1423-1405, FP: 39-201 / 204-295. SIP 797-797. BHT = 110 degrees. R_w 0.248 @ 64 degrees, Chlorides 30,000
 9/20/2021 Depth 3094'. Drilling Ahead. Made Bit trip at 3027'. Deviation 2 degree at 3027
 9/21/2021 Depth 3340'. RTD reached at 5:20 AM. Short trip, CTCH 7:30 AM, TOH and Run Open Hole Logs. DST #2 Lower Simpson Sand "Straddle Test" from 3220' to 3272'. Test time 30-45-30-45. IF: Weak building to 2 inches of water. ISI: No Blow. FF: Weak built to 1-1/2 inches of water. FSI: No Blow. Recovered 185' mud in drill collars, No show oil. HP: 1608-1582, FP:23-71 / 73-110. SIP 1294-1281. BHT =112 degrees.

BARBARA #1 - FORMATION TOPS

		Sample		E- Log	
Tops	KB=	1351			
Heebner		1766	-415	1764	-413
Lansing		2040	-689	2036	-685
Kansas City		2332	-981	2330	-979
Base / KC		2494	-1143	2492	-1141
Cong or Miss Top		2770	-1419	2774	-1423
Miss Dolomite		2792	-1441	2790	-1439
Miss Osage		2815	-1464	2816	-1465
Kinderhook Sh		3089	-1738	3088	-1737
Hunton		3145	-1794	3144	-1793
Simpson Sand		3211	-1860	3201	-1850
Arbuckle		3267	-1916	3270	-1919
Total Depth		3340	-1989	3338	-1987



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

AGV Corporation

8/26S/3E Butler, KS

123 North Main
P.O. Box 377
Attica, KS 67009-0377
ATTN: Kent Roberts

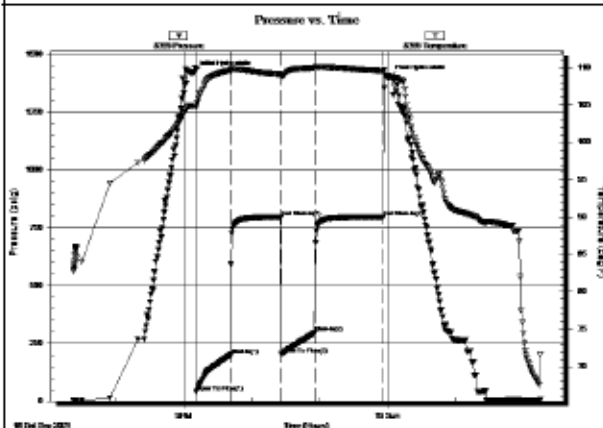
Barbara #1
Job Ticket: 67137 **DST#: 1**
Test Start: 2021.09.18 @ 19:22:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:10:50
Time Test Ended: 02:15:50
Interval: **2808.00 ft (KB) To 2822.00 ft (KB) (TVD)**
Total Depth: 2822.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches - Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 80
Reference Elevations: 1351.00 ft (KB)
1342.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8369 **Inside**
Press@RunDepth: 294.73 psig @ 2809.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.09.18 End Date: 2021.09.19 Last Calib.: 1899.12.30
Start Time: 19:22:01 End Time: 02:15:50 Time On Btm: 2021.09.18 @ 21:09:00
Time Off Btm: 2021.09.19 @ 00:02:39

TEST COMMENT: IF - Weak blow building to strong blow 10 minutes into initial flow period. Continuing to build to 26 inches of water.
FF - Weak blow building to strong blow 14 minutes into final flow period. Continuing to build to 21 inches of water.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1423.12	104.95	Initial Hydro-static
2	39.24	104.66	Open To Flow (1)
32	200.66	109.63	Shut-in(1)
77	796.84	109.15	End Shut-in(1)
77	204.34	108.90	Open To Flow (2)
107	294.73	109.99	Shut-in(2)
168	797.17	109.56	End Shut-in(2)
174	1404.55	108.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
590.00	Tr oil MCW TrO 81% W & 19% M	6.06
1.00	Clean Oil 100% O	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

AGV Corporation
123 North Main
P.O. Box 377
Attica, KS 67009-0377
ATTN: Kent Roberts

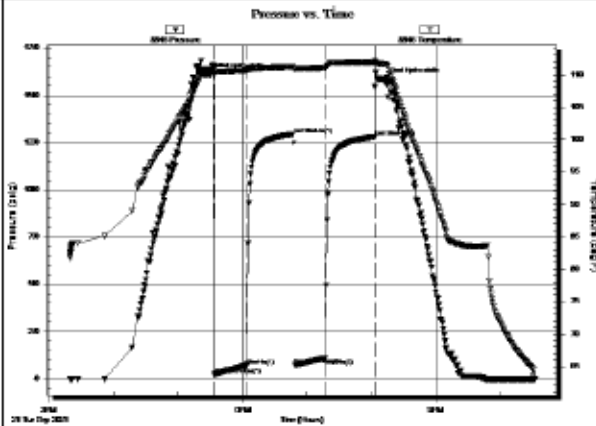
8/26S/3E Butler, KS
Barbara #1
Job Ticket: 67138 **DST#: 2**
Test Start: 2021.09.21 @ 15:20:00

GENERAL INFORMATION:

Formation: **Lower Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:33:00
Time Test Ended: 22:32:00
Test Type: Conventional Straddle (Initial)
Tester: Jimmy Ricketts
Unit No: 80
Interval: 3220.00 ft (KB) To 3272.00 ft (KB) (TVD)
Reference Elevations: 1351.00 ft (KB)
Total Depth: 3338.00 ft (KB) (TVD) 1342.00 ft (CF)
Hole Diameter: 7.88 inches -hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8846 **Inside**
Press@RunDepth: 110.44 psig @ 3221.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.09.21 End Date: 2021.09.21 Last Calib: 1899.12.30
Start Time: 15:20:01 End Time: 22:32:00 Time On Btm: 2021.09.21 @ 17:27:30
Time Off Btm: 2021.09.21 @ 20:12:20

TEST COMMENT: IF - Weak bbw building to 2 inches of water during initial flow period.
FF - Weak blow building to 1 1/2 inches of water during final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.03	110.85	Initial Hydro-static
6	23.33	110.10	Open To Flow (1)
36	71.36	110.65	Shut-in(1)
80	1294.24	111.24	End Shut-in(1)
81	72.95	110.55	Open To Flow (2)
111	110.44	111.09	Shut-in(2)
156	1281.12	111.93	End Shut-in(2)
165	1582.35	111.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	Drilling Mud 100% M	0.91

Gas Rates

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

TriLOBITE Testing, Inc

Ref. No: 67138

Printed: 2021.09.22 @ 07:22:06

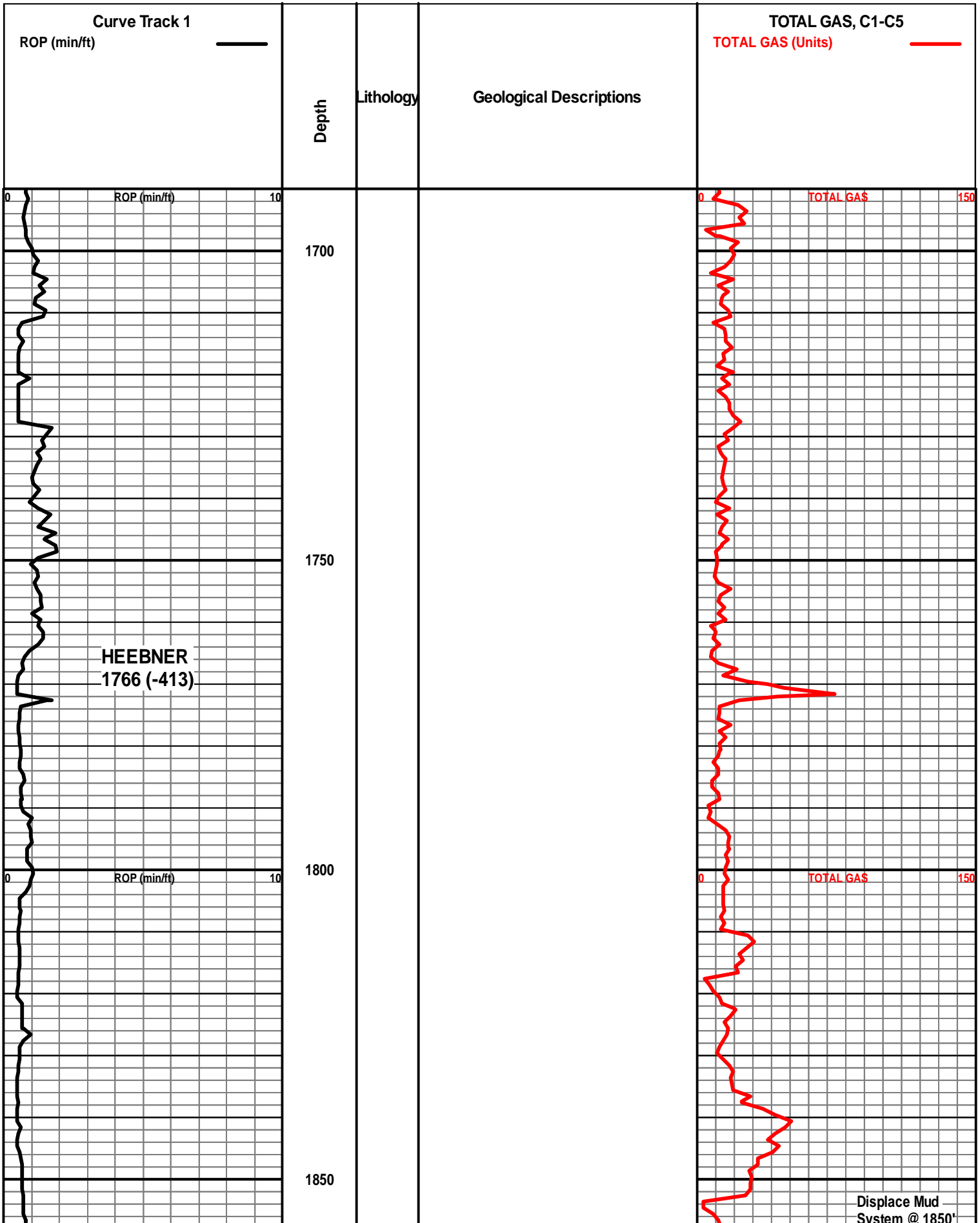
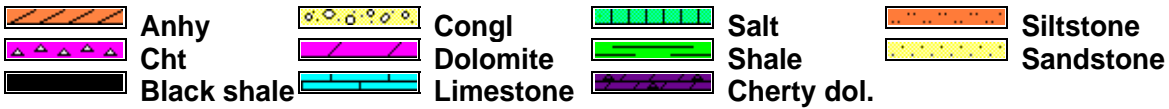
COMMENTS

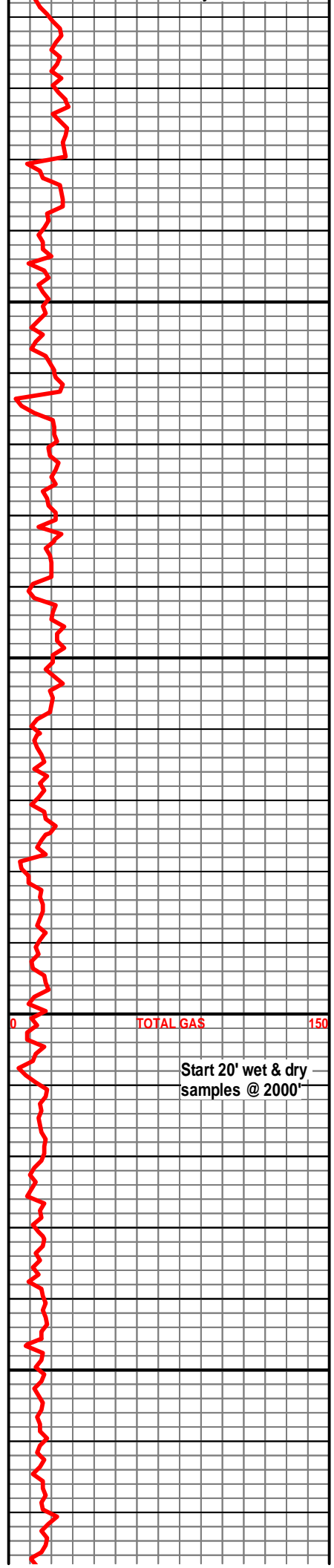
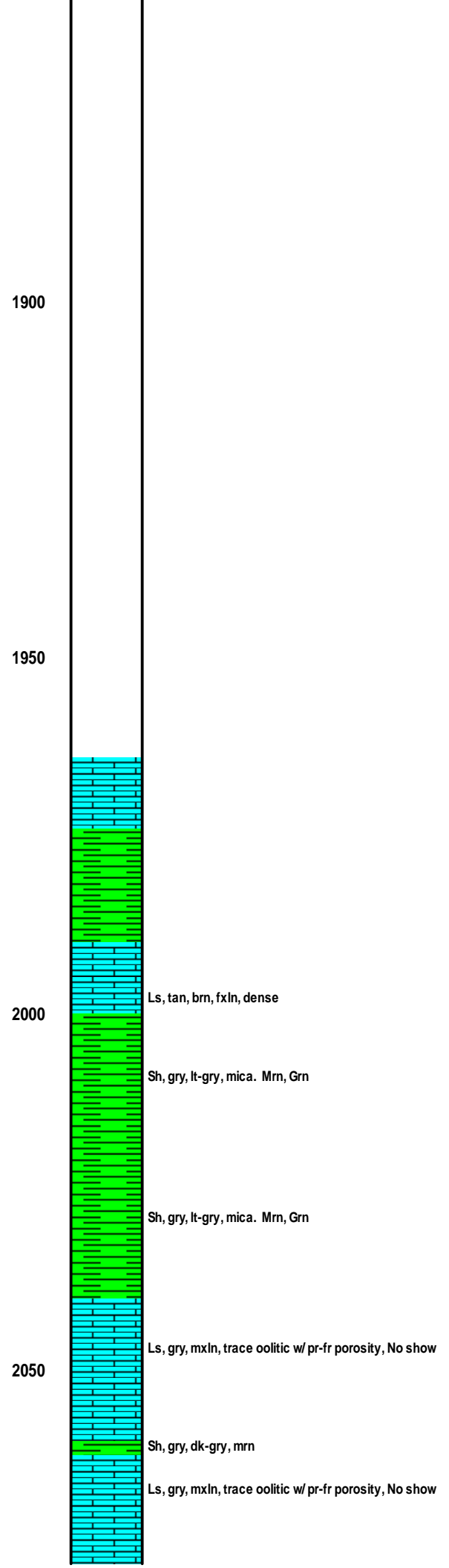
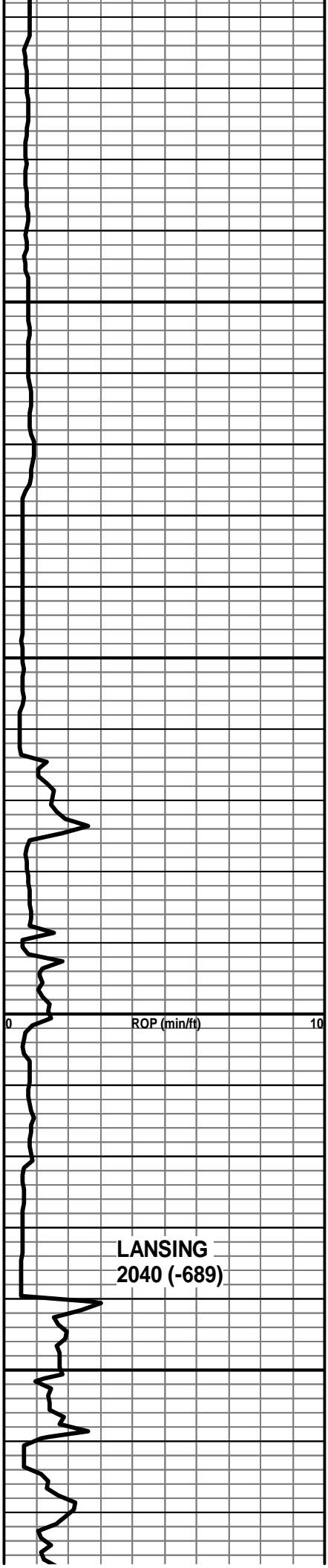
After evaluating all information recorded on the Barbara #1 it was recommended to plug and abandon the well as a dry hole.

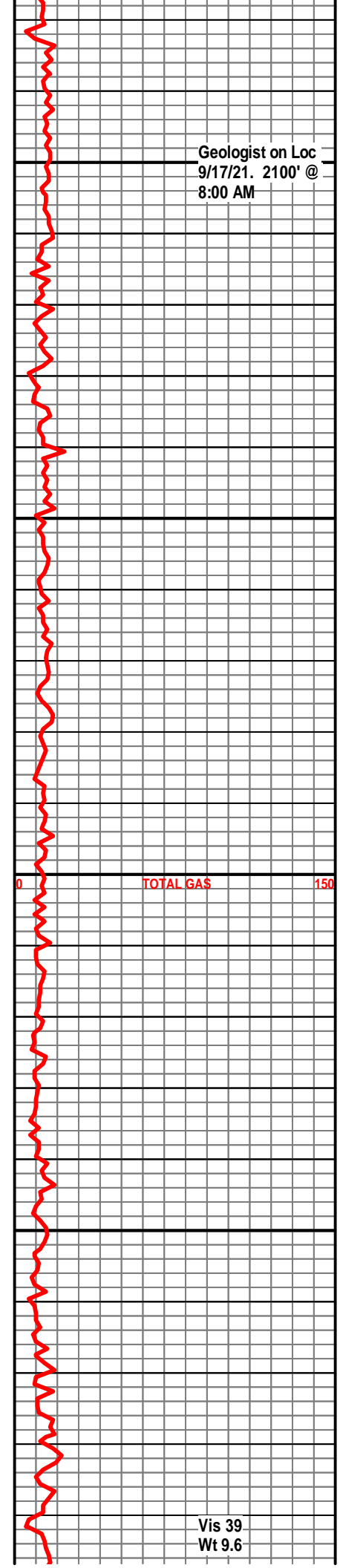
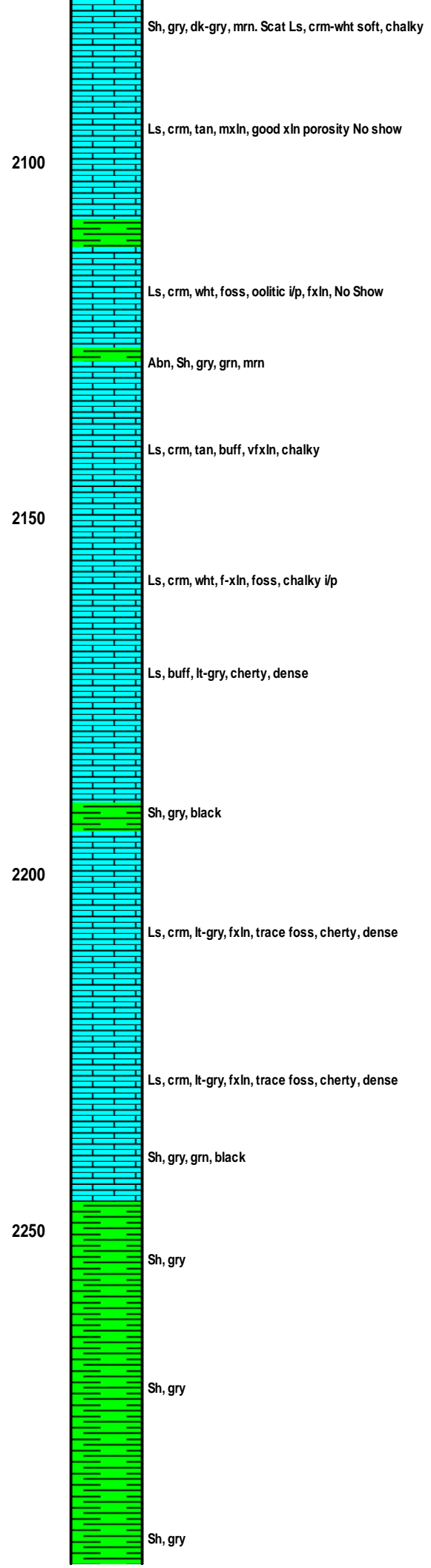
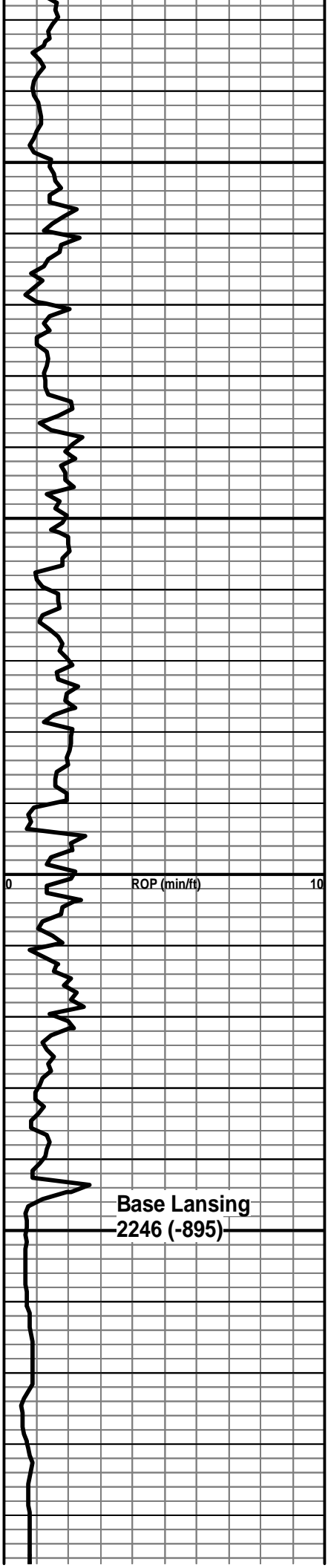
Respectfully Submitted,

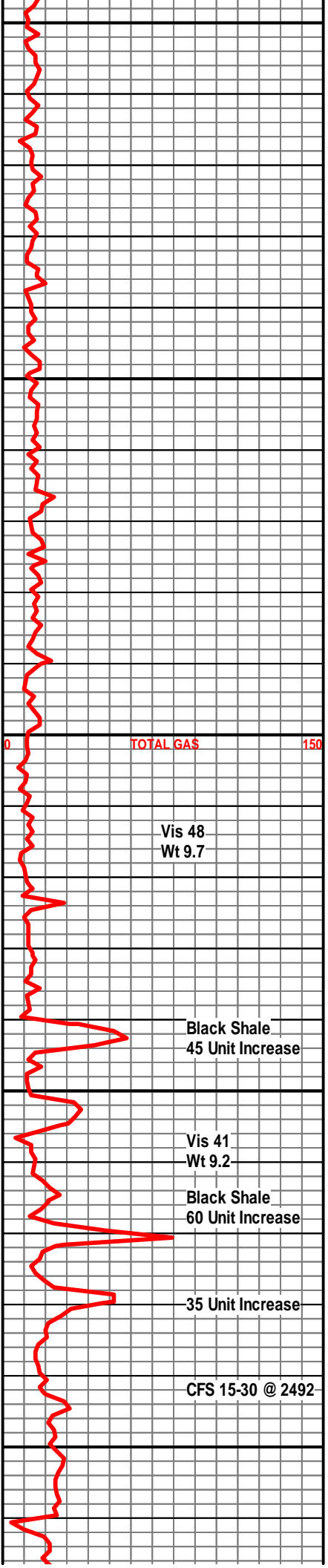
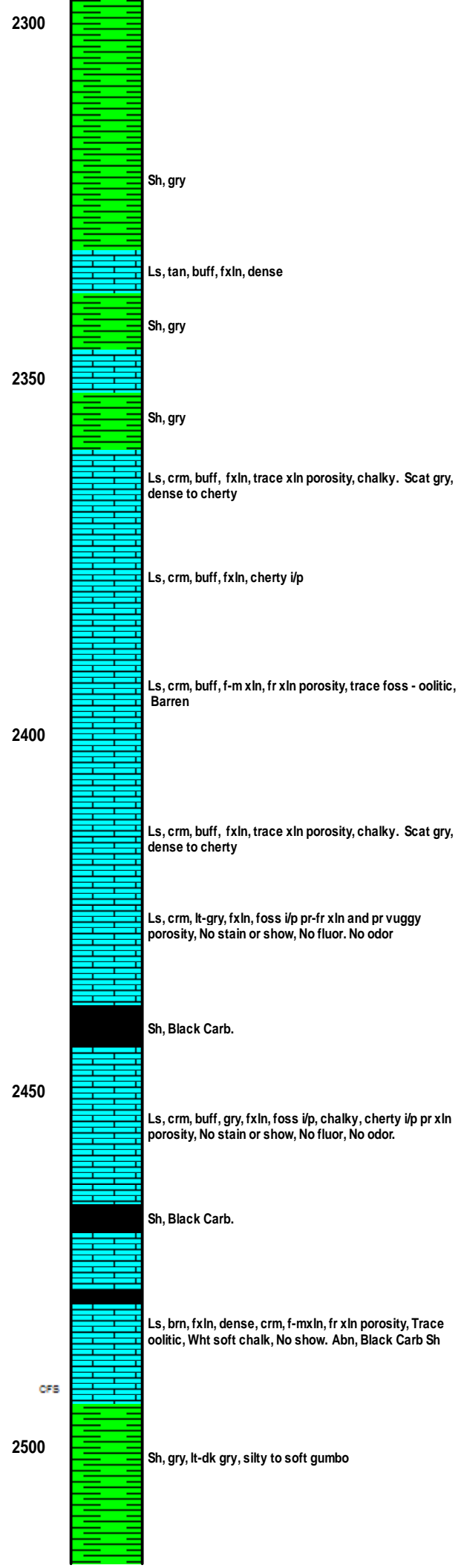
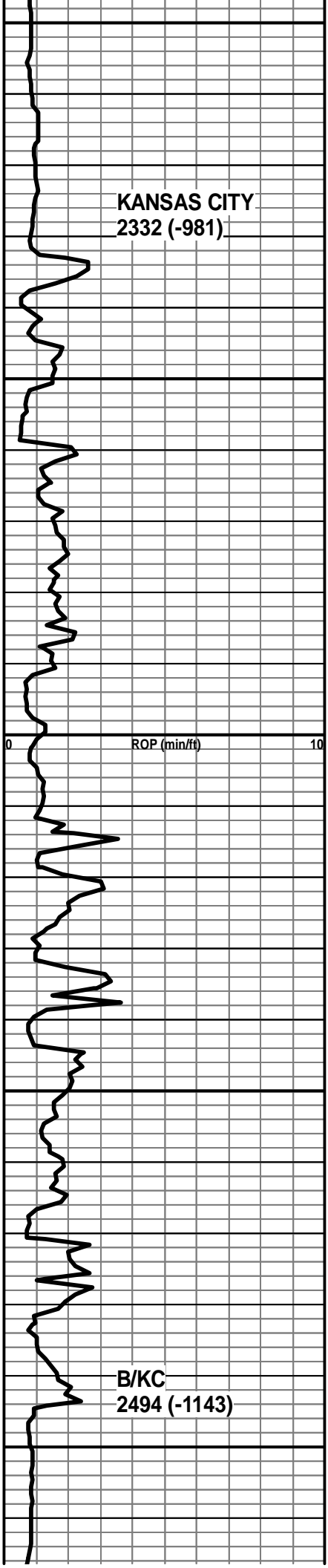
Kent Roberts - Petroleum Geologist

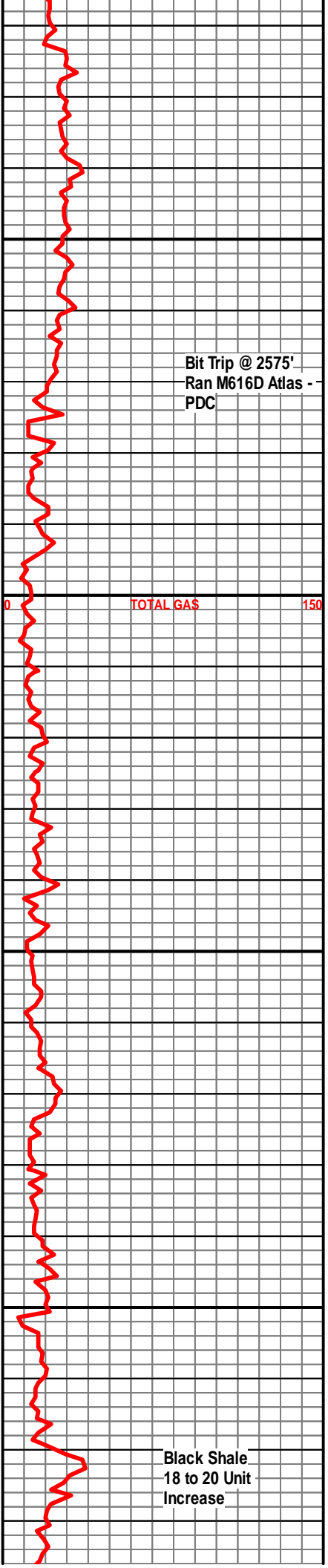
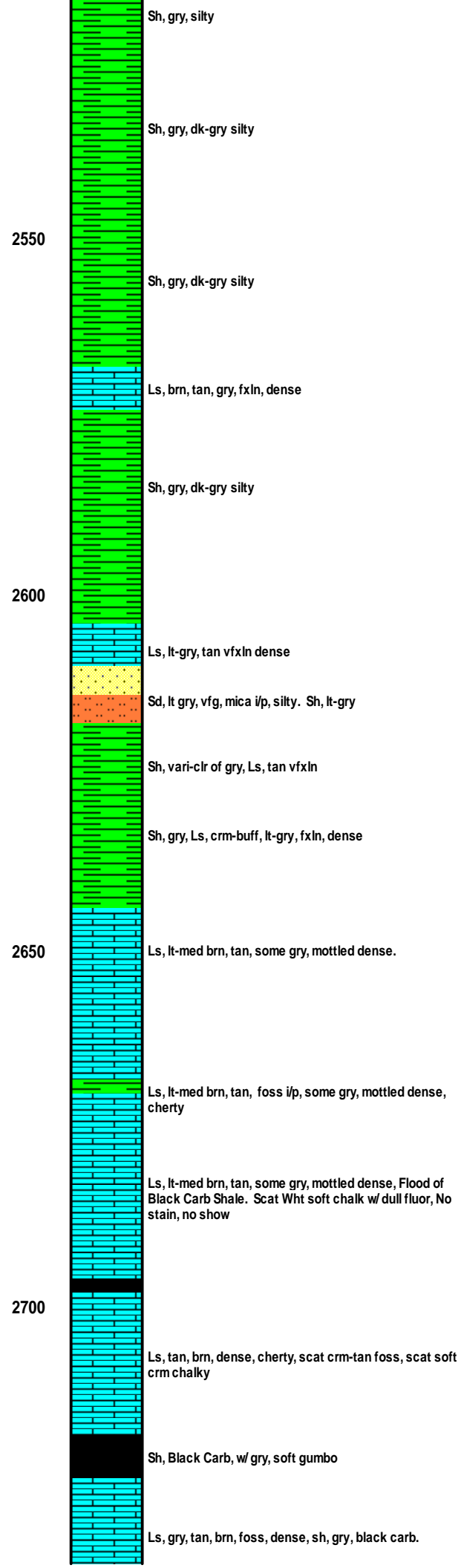
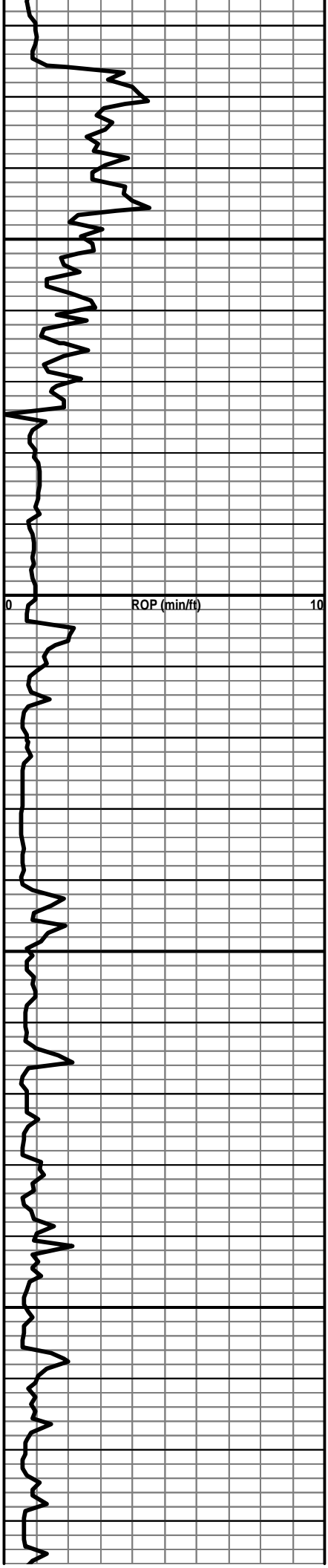
ROCK TYPES

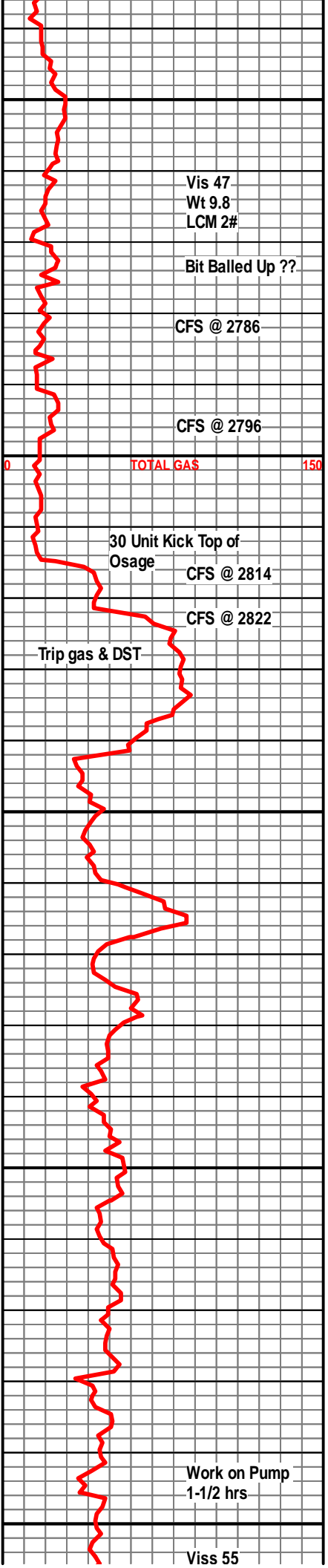
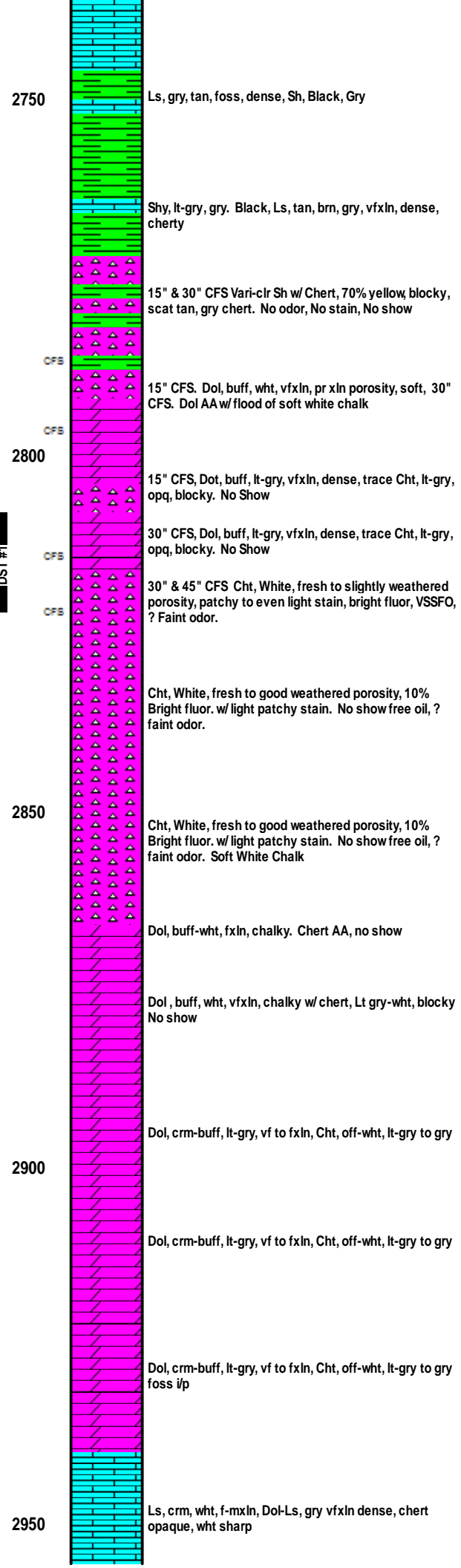
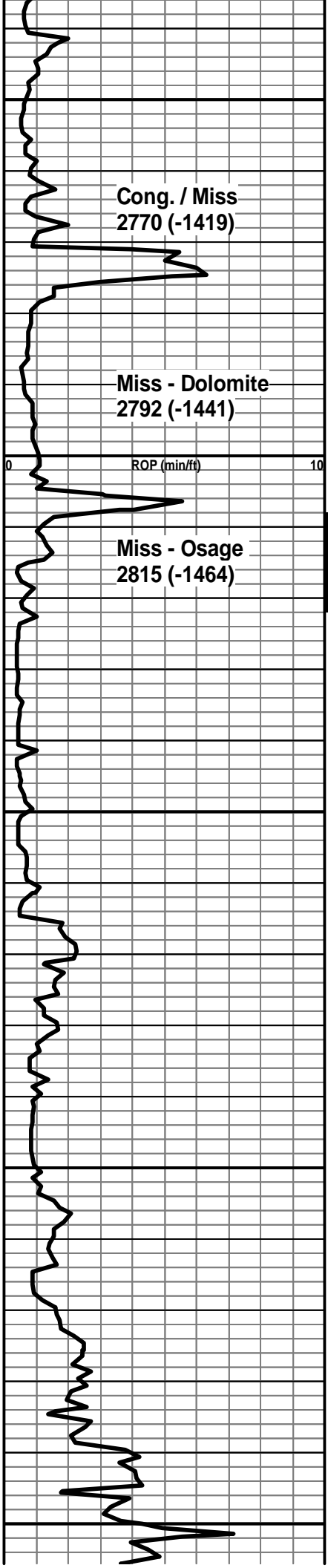


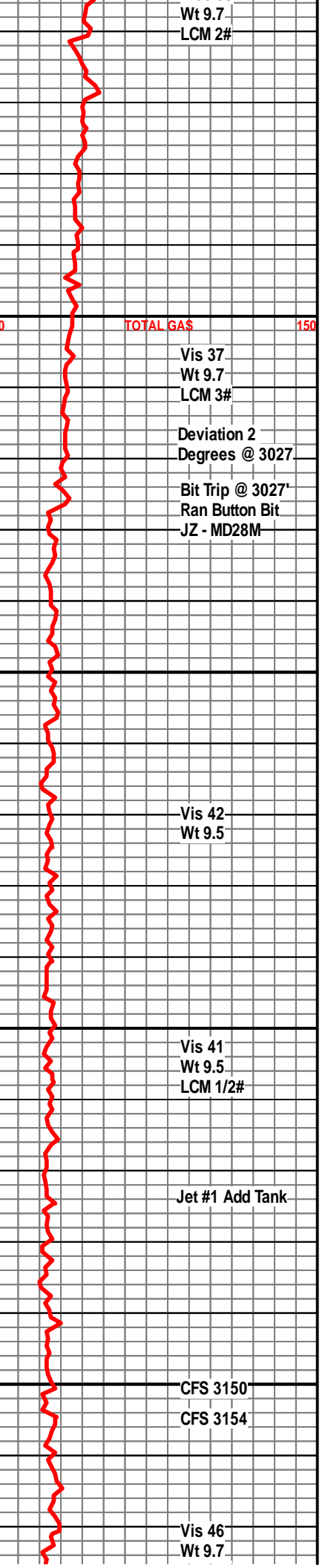
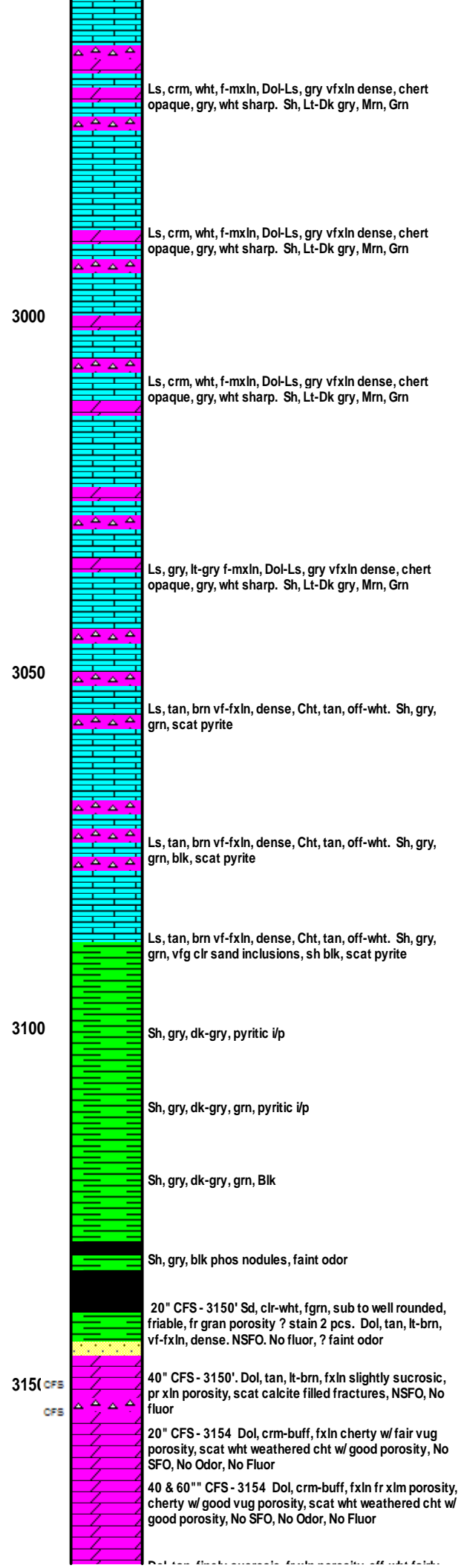
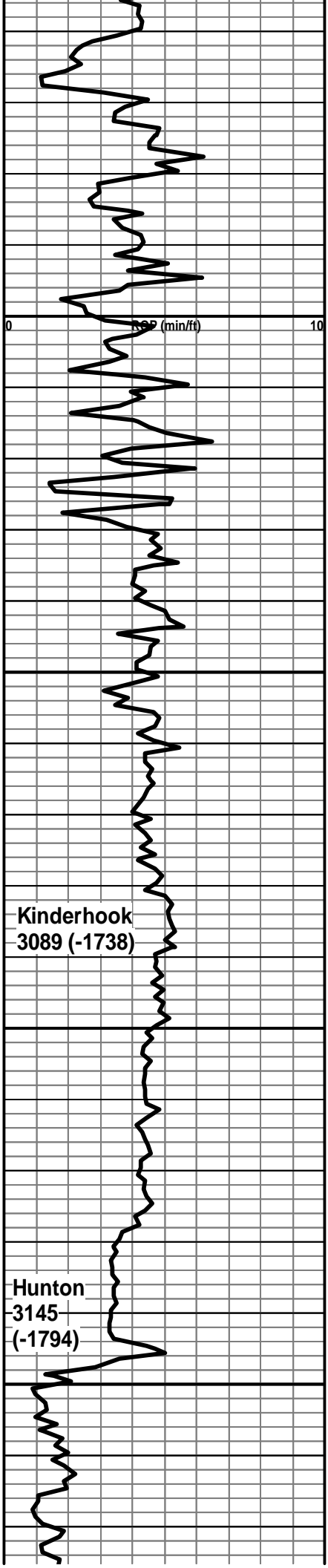












Kinderhook
3089 (-1738)

Hunton
3145
(-1794)

Wt 9.7
LCM 2#

Vis 37
Wt 9.7
LCM 3#

Deviation 2
Degrees @ 3027

Bit Trip @ 3027'
Ran Button Bit
JZ - MD28M

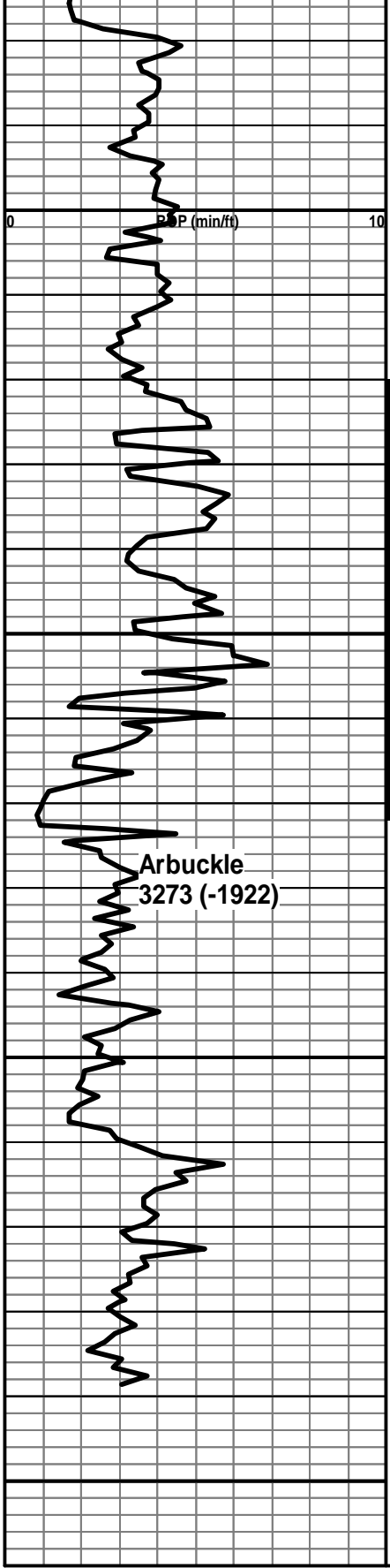
Vis 42
Wt 9.5

Vis 41
Wt 9.5
LCM 1/2#

Jet #1 Add Tank

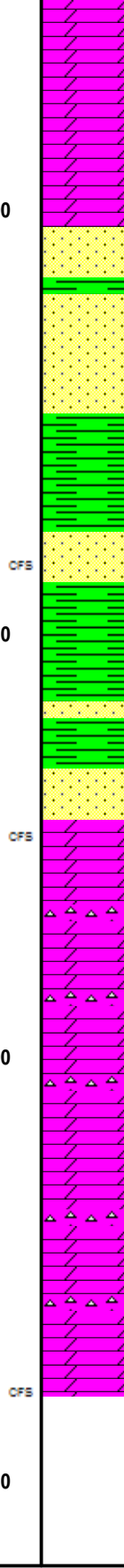
CFS 3150
CFS 3154

Vis 46
Wt 9.7



3200
3250
3300
3350

DST #2 Straddle Test after Log



Dol, tan, finely sucrosic, fr xln porosity, ori-wnt fairly weathered chert A/A, No Shows

Dol, tan, f-mxln dense, cherty i/p, Lt gry m-crs xln, pyritic i/p, cherty.

Sd, lt-gry, vf-grn well cemented w/ abn blk carb sh inclusions. Trace clr-wht, f-grn sub-angular hard clusters, No Show

Sd, Lt-gry, clr f-m grn, pr-fr sorted sub-ang to sub-round dirty clusters, hard w/ abn gry sh inclusions. No Show

Sd A/A becomes calc., glauconitic, pyritic with Sh, lt grn

20" & 40" CFS - 3242. Sd, clr-wht clusters fine grn, well sorted, calc, semi-friable, glauconitic w/ some dk-gry shale inclusions. Sh, gry-grn No Show

Sh, grn

Sd, clear, f-m grain, sub-rounded clusters, friable, fr-gd i/gran porosity, barren. Scat clusters with blk sh inclusions, some glauconitic, Abn Sh, grn. No fluor, No odor

Sd & Sh A/A with scat Dol, crm, tan, buff, vfxln, cherty i/p, trace pr vug porosity, most w/ dull mineral fluor, No Show

Dol, crm-tan, buff, f-m fxl, dense cherty i/p w/ scat wht, tan chert. No show

Dol, crm-tan, buff, f-m fxl, dense cherty i/p w/ scat wht, tan chert. w/ Sh, dk-gry, black No show

Dol, crm-tan, buff, f-m fxl, dense cherty i/p w/ scat wht, tan cherty dol. Abn wht chalk

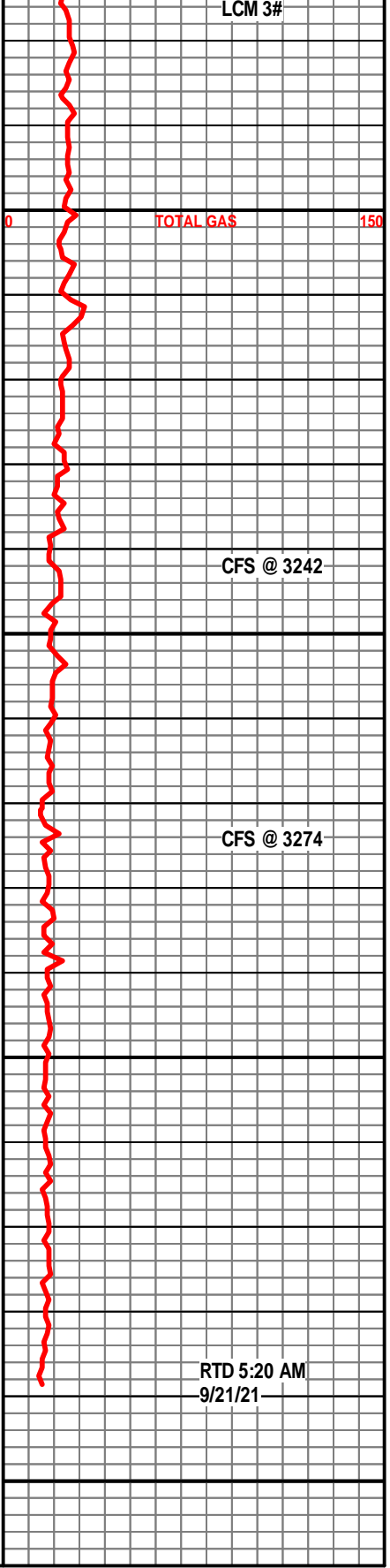
Dol, crm-tan, buff, f-m fxl, dense cherty i/p w/ scat wht, tan -brn cherty dol.

CFS

CFS

CFS

Arbuckle
3273 (-1922)



CFS @ 3242

CFS @ 3274

RTD 5:20 AM
9/21/21