



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1113571  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1113571

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 05, 2013

Scott Hampel  
McCoy Petroleum Corporation  
8080 E CENTRAL STE 300  
WICHITA, KS 67206-2366

Re: ACO1  
API 15-069-20419-00-00  
YOST 'G' 1-18  
NE/4 Sec.18-27S-29W  
Gray County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Scott Hampel



## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Co.**

8080 E Central Ste 300  
Wichita, KS 67206

ATTN: Evan Stone

### **Yost G #1-18**

#### **18-27s-29w Gray,KS**

Start Date: 2012.12.30 @ 05:31:00

End Date: 2012.12.30 @ 16:12:00

Job Ticket #: 51262                      DST #: 1

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

Printed: 2012.12.31 @ 10:58:31



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

McCoy Petroleum Co.  
 8080 E Central Ste 300  
 Wichita, KS 67206  
 ATTN: Evan Stone

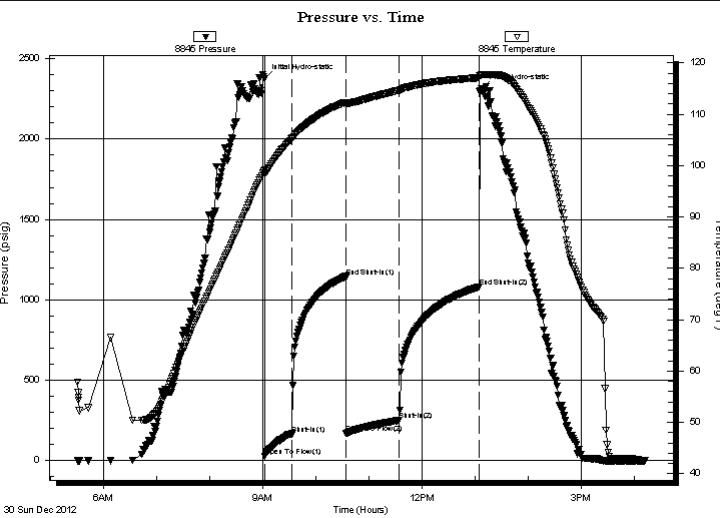
**18-27s-29w Gray, KS**  
**Yost G #1-18**  
 Job Ticket: 51262 **DST#: 1**  
 Test Start: 2012.12.30 @ 05:31:00

## GENERAL INFORMATION:

Formation: **Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:02:30  
 Time Test Ended: 16:12:00  
 Interval: **4845.00 ft (KB) To 4950.00 ft (KB) (TVD)**  
 Total Depth: 5250.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Straddle (Initial)  
 Tester: Sam Esparza  
 Unit No: 64  
 Reference Elevations: 2760.00 ft (KB)  
 2750.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8845 Outside**  
 Press @ RunDepth: 250.66 psig @ 4846.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.12.30 End Date: 2012.12.30 Last Calib.: 2012.12.30  
 Start Time: 05:31:05 End Time: 16:12:00 Time On Btm: 2012.12.30 @ 09:02:15  
 Time Off Btm: 2012.12.30 @ 13:07:15

TEST COMMENT: IF: 8 1/2" blow.  
 IS: No return.  
 FF: BOB @ 59 min.  
 FS: No return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2377.68	99.24	Initial Hydro-static
1	28.07	98.34	Open To Flow (1)
31	165.93	105.25	Shut-In(1)
92	1144.45	112.27	End Shut-In(1)
92	167.95	111.93	Open To Flow (2)
152	250.66	114.67	Shut-In(2)
243	1080.96	117.11	End Shut-In(2)
245	2312.91	117.61	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
240.00	WM 20m 80w	1.18
240.00	MW 40w 60m (Oil spots)	2.83

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

McCoy Petroleum Co.  
8080 E Central Ste 300  
Wichita, KS 67206  
ATTN: Evan Stone

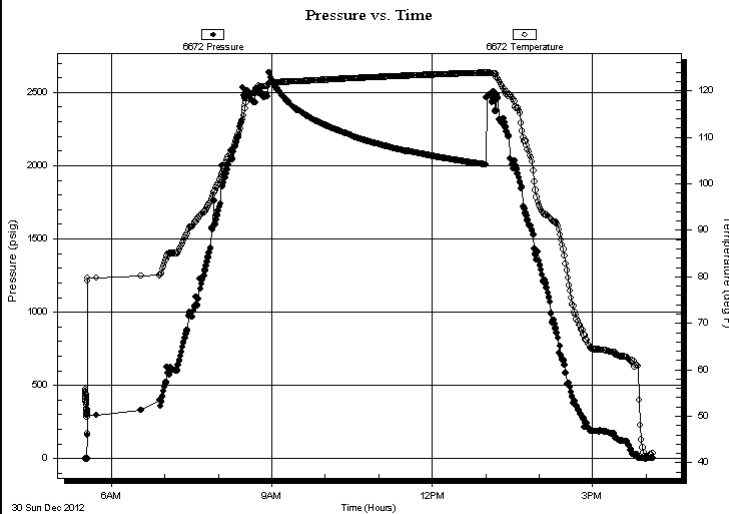
**18-27s-29w Gray,KS**  
**Yost G #1-18**  
Job Ticket: 51262 **DST#: 1**  
Test Start: 2012.12.30 @ 05:31:00

## GENERAL INFORMATION:

Formation: **Cherokee**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 09:02:30  
Time Test Ended: 16:12:00  
Interval: **4845.00 ft (KB) To 4950.00 ft (KB) (TVD)**  
Total Depth: 5250.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:  
Test Type: Conventional Straddle (Initial)  
Tester: Sam Esparza  
Unit No: 64  
Reference Elevations: 2760.00 ft (KB)  
2750.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 6672 Below (Straddle)**  
Press @ Run Depth: psig @ 4952.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.12.30 End Date: 2012.12.30 Last Calib.: 2012.12.30  
Start Time: 05:31:01 End Time: 16:08:15 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: 8 1/2" blow .  
IS: No return.  
FF: BOB @ 59 min.  
FS: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	WM 20m 80w	1.18
240.00	MW 40w 60m (Oil spots)	2.83

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

McCoy Petroleum Co.

**18-27s-29w Gray,KS**

8080 E Central Ste 300  
Wichita, KS 67206

**Yost G #1-18**

Job Ticket: 51262

**DST#: 1**

ATTN: Evan Stone

Test Start: 2012.12.30 @ 05:31:00

## Tool Information

Drill Pipe:	Length: 4528.00 ft	Diameter: 3.80 inches	Volume: 63.52 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: 30000.00 lb
Drill Collar:	Length: 299.00 ft	Diameter: 2.25 inches	Volume: 1.47 bbl	Weight to Pull Loose: 104000.0 lb
			<u>Total Volume: 64.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 94000.00 lb
Depth to Top Packer:	4845.00 ft			Final 94000.00 lb
Depth to Bottom Packer:	4950.00 ft			
Interval between Packers:	105.00 ft			
Tool Length:	433.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4818.00	
Shut In Tool	5.00			4823.00	
Hydraulic tool	5.00			4828.00	
Jars	5.00			4833.00	
Safety Joint	3.00			4836.00	
Packer	5.00			4841.00	28.00 Bottom Of Top Packer
Packer	4.00			4845.00	
Stubb	1.00			4846.00	
Recorder	0.00	8017	Outside	4846.00	
Recorder	0.00	8845	Outside	4846.00	
Perforations	5.00			4851.00	
Change Over Sub	1.00			4852.00	
Drill Pipe	93.00			4945.00	
Change Over Sub	1.00			4946.00	
Blank Off Sub	1.00			4947.00	
Top of s packer	3.00			4950.00	105.00 Tool Interval
Packer	1.00			4951.00	
Stubb	1.00			4952.00	
Recorder	0.00	6672	Below	4952.00	
Perforations	8.00			4960.00	
Change Over Sub	1.00			4961.00	
Drill Pipe	283.00			5244.00	
Change Over Sub	1.00			5245.00	
Blank Off Sub	5.00			5250.00	300.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>433.00</b>				





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McCoy Petroleum Co.

**18-27s-29w Gray,KS**

8080 E Central Ste 300  
Wichita, KS 67206

**Yost G #1-18**

Job Ticket: 51262

**DST#: 1**

ATTN: Evan Stone

Test Start: 2012.12.30 @ 05:31:00

## 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:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	WM 20m 80w	1.180
240.00	MW 40w 60m (Oil spots)	2.829

Total Length: 480.00 ft      Total Volume: 4.009 bbl

Num Fluid Samples: 0

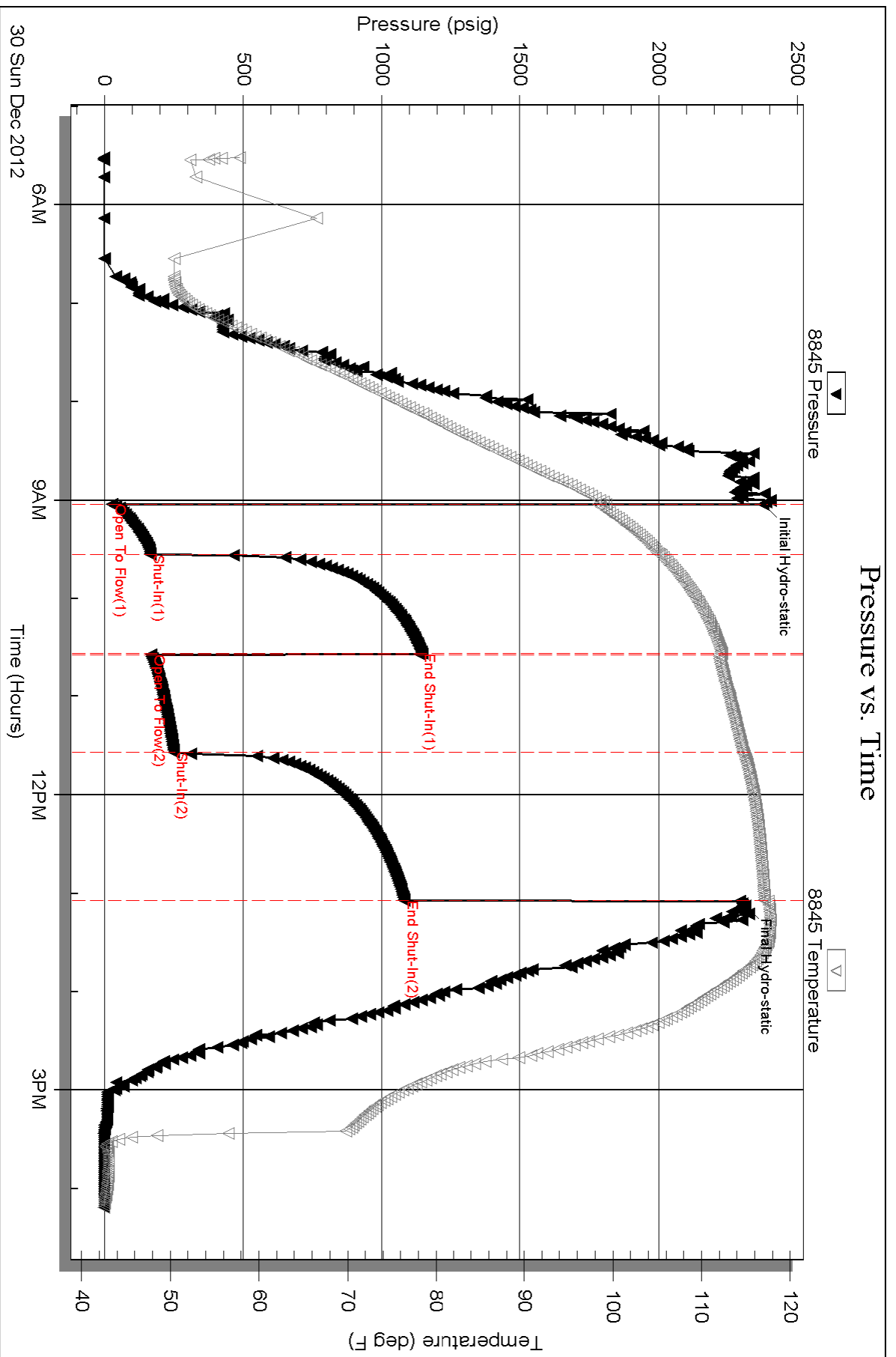
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .100 @ 45 degrees= 124,000 ppm



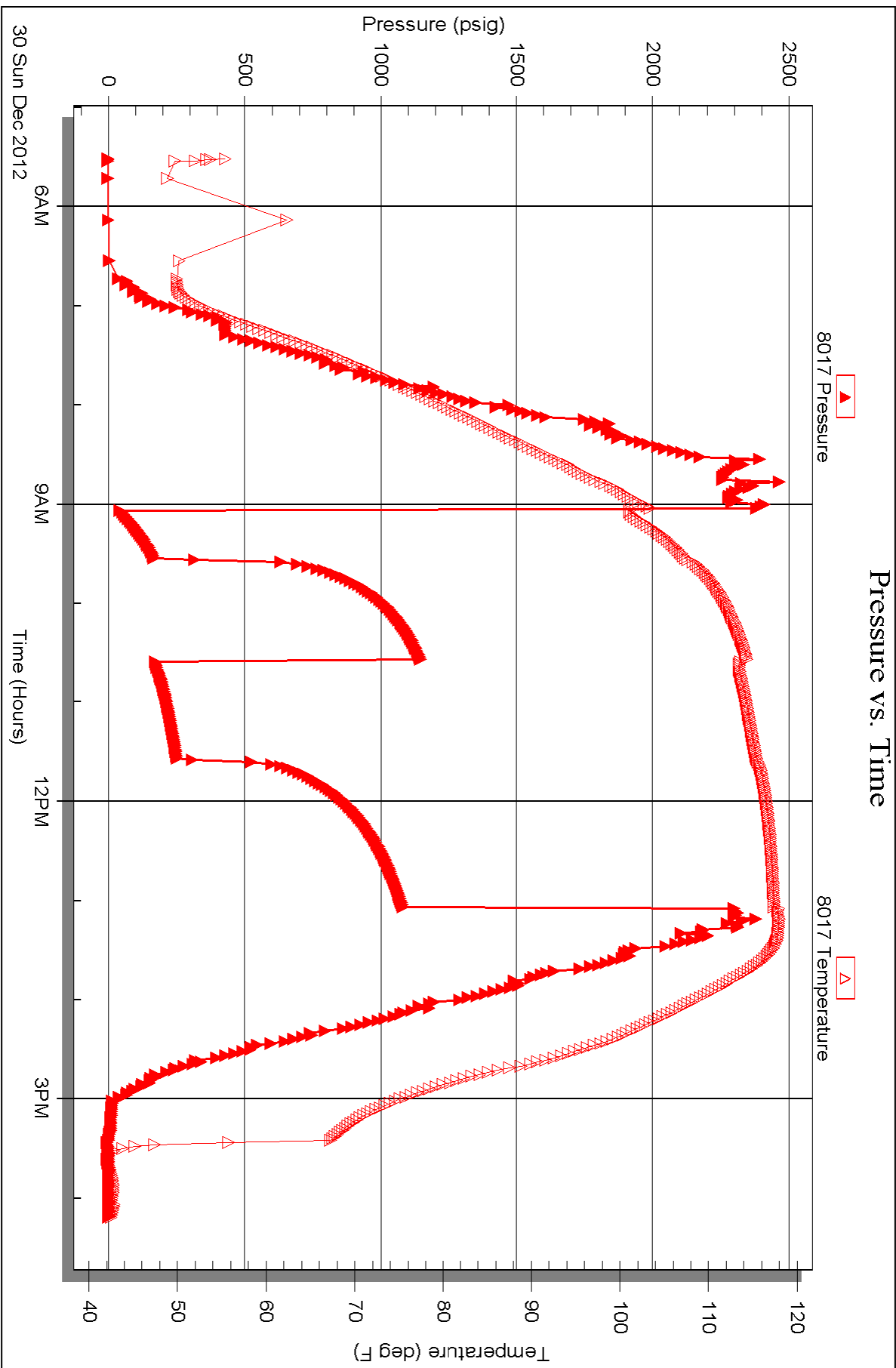
Serial #: 8017

Outside

McCoy Petroleum Co.

Yost G#1-18

DST Test Number: 1

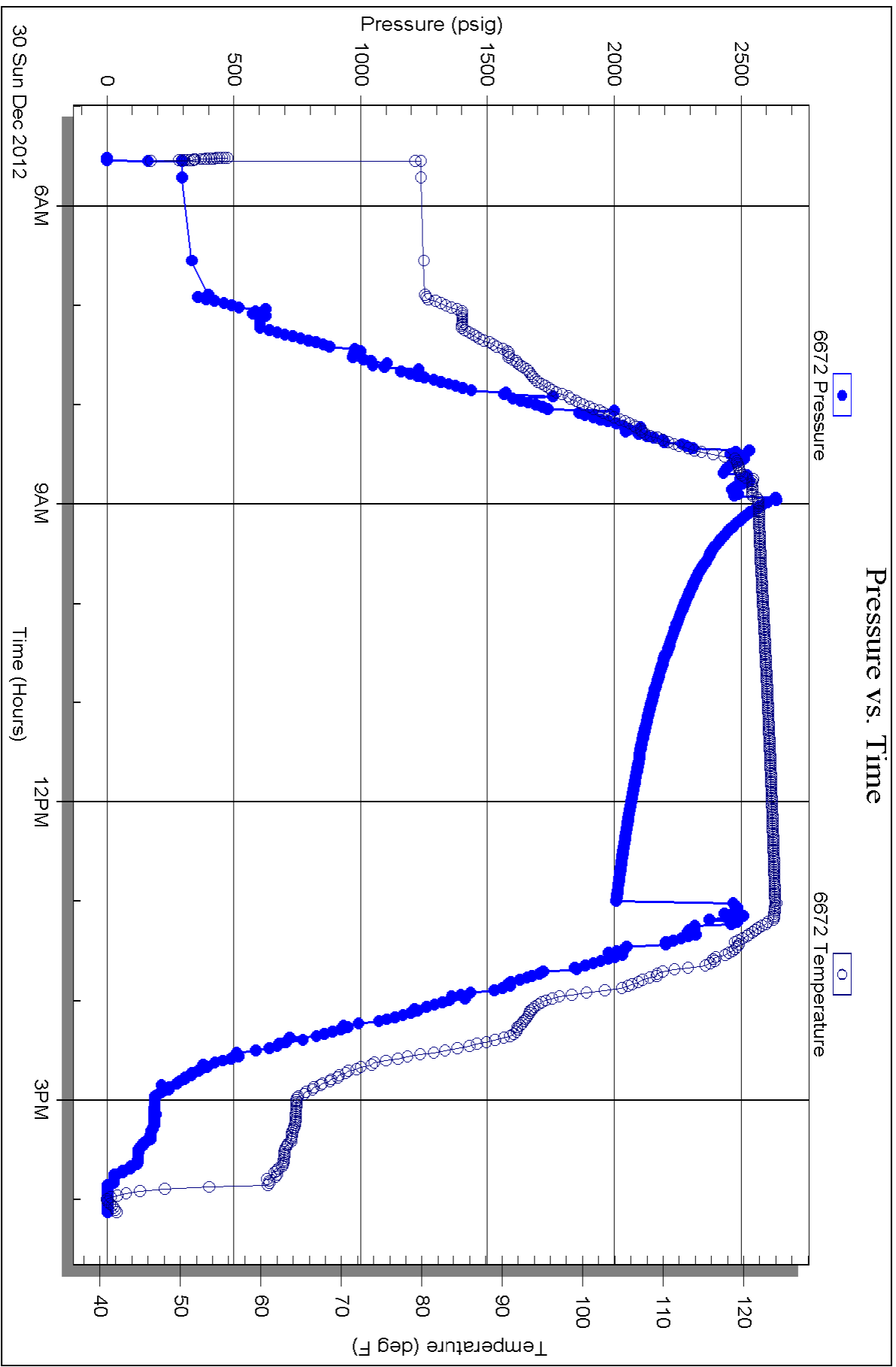


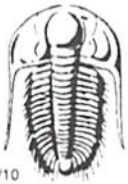
Serial #: 6672

Below (Str ~~Adley~~ Petroleum Co.

Yost G#1-18

DST Test Number: 1





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 51262

Well Name & No. Yost G #1-18 Test No. 1 Date 12/30/12  
 Company McCoy Petroleum Co. Elevation 2760 KB 2750 GL  
 Address 6080 E Central STE 300 Wichita, KS 67206  
 Co. Rep / Geo. Evan Stone Rig Sterling #5  
 Location: Sec. 18 Twp. 27 Rge. 29 Co. Grey State KS

Interval Tested 4845-4950 Zone Tested Cherokee  
 Anchor Length 105 Drill Pipe Run 4528 Mud Wt. 9.3  
 Top Packer Depth 4841 Drill Collars Run 299 Vis 52  
 Bottom Packer Depth 4845 Wt. Pipe Run Ø WL 11.2  
 Total Depth 5250 Chlorides 9200 ppm System LCM 2  
 Blow Description 8 1/2" blow.  
No return.  
Bob @ 59 min.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>240</u>	<u>Feet of <del>oil</del> WM (oil spots)</u>			<u>40</u>	<u>60</u>
<u>240</u>	<u>Feet of <del>oil</del> MW</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 480 BHT 117 Gravity — API RW .100 @ 45 °F Chlorides 124,000 ppm

(A) Initial Hydrostatic <u>2378</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>4:30</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>5:31</u>
(C) First Final Flow <u>166</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:03</u>
(D) Initial Shut-In <u>1144</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>13:04</u>
(E) Second Initial Flow <u>168</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:12</u>
(F) Second Final Flow <u>251</u>	<input checked="" type="checkbox"/> Mileage <u>178 R/T</u> 275.90	Comments <u>loaded fails</u>
(G) Final Shut-In <u>1081</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2313</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2550.90</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2550.90</u>	

Approved By [Signature] Our Representative [Signature]

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

**McCoy Petroleum Corporation**  
**Yost 'G' #1-18**  
**100'W of C NW NE, Section 18-27S-29W**  
**660' FNL & 2080' FEL**  
**Gray County, Kansas**  
**API# 15-069-20419-0000**

**SAMPLE TOPS**

**McCoy Petroleum**  
**Yost 'G' #1-18**  
**660 FNL & 2280 FEL**  
**Sec 15-27S-29W**  
**KB: 2763'**

KB: 2763'	Depth	Datum
Stotler	3537	-774
Heebner	4144	-1381
Toronto	4167	-1401
Lansing	4212	-1449
LKC 'G'	4422	-1659
Stark	4532	-1769
Hushpuckney	4578	-1815
Marmaton	4715	-1952
Pawnee	4794	-2031
Cherokee	4836	-2073
Mid Cher. LS	4908	-2145
St. Genevieve	5006	-2243
St. Louis 'A'	5094	-2331
St. Louis 'B'	5122	-2359
RTD	5250	-2487

**WELL REPORT**

**McCoy Petroleum Corporation**

**#1156 (12-11)**

**Yost 'G' #1-18**

**100'W of C NW NE, Section 18-27S-29W**

**660' FNL & 2080' FEL**

**Gray County, Kansas**

**API# 15-069-20419-0000**

*Page 2*

**Electric Log TOPS**

**McCoy Petroleum**

**Yost 'G' #1-18**

**660 FNL & 2280 FEL**

**Sec 15-27S-29W**

**KB: 2763'**

KB: 2763'	Depth	Datum
Heebner	4148	-1385
Toronto	4167	-1401
Lansing	4209	-1446
Stark	4528	-1765
Hushpuckney	4579	-1816
Marmaton	4710	-1947
Pawnee	4794	-2031
Cherokee	4835	-2072
Mid Cher. LS	4906	-2143
St. Genevieve	5013	-2250
St. Louis 'A'	5098	-2334
St. Louis 'B'	5130	-2367
LTD	5249	-2486

# ALLIED OIL & GAS SERVICES, LLC KB 053400

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Liberal KS.

DATE <u>12-16-17</u>	SEC. <u>18</u>	TWP. <u>27s</u>	RANGE <u>29w</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00pm</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>Yost G</u>	WELL# <u>1-18</u>	LOCATION <u>Co East of Copland to CR</u>			COUNTY <u>Gray</u>	STATE <u>K.S.</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>#8 go North talk W. West 1/4 South into</u>					

CONTRACTOR Sterling Rig # 5 OWNER \_\_\_\_\_

TYPE OF JOB Sur-face

HOLE SIZE 12 1/4" T.D. 1832'

CASING SIZE 8 5/8" DEPTH 1832' 84"

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 1500 MINIMUM 500

MEAS. LINE \_\_\_\_\_ SHOE JOINT 42' 15"

CEMENT LEFT IN CSG. 42.15

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

CEMENT		
AMOUNT ORDERED	<u>450 SK Class A 3" CC</u>	
	<u>2" Meta 2" Gup. 1/4" # Flo-Seal</u>	
	<u>150 SK Class C 2" CC</u>	
COMMON	<u>450 @ 17.90</u>	<u>8055.00</u>
POZMIX	@	
GEL	@	
CHLORIDE	<u>19 @ 64.00</u>	<u>1216.00</u>
ASC	@	
<u>Class C</u>	<u>150 @ 24.40</u>	<u>3660.00</u>
<u>Metasilicate</u>	<u>846 @ 3.30</u>	<u>2791.80</u>
<u>Gup-Seal</u>	<u>8 @ 37.60</u>	<u>300.80</u>
<u>Flo-Seal</u>	<u>113 @ 2.97</u>	<u>335.61</u>
	@	
	@	
	@	
HANDLING	<u>657.60 @ 2.48</u>	<u>1630.85</u>
MILEAGE	<u>1494 x 2.60 =</u>	<u>3884.40</u>
TOTAL		<u>21280.46</u>
SERVICE		<u>21874.46</u>

EQUIPMENT

PUMP TRUCK CEMENTER Kenny B 1

#531-541 HELPER Ruben C. 2

BULK TRUCK

#456-251 DRIVER Angel G. 3

BULK TRUCK

#472-467 DRIVER Jaime T 3

REMARKS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

THANK YOU!!

CHARGE TO: McCoy Petroleum Corp.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DEPTH OF JOB _____		
PUMP TRUCK CHARGE		<u>2213.75</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>50 @ 7.70</u>	<u>385.00</u>
MANIFOLD	<u>1 @ 2.75</u>	<u>2.75</u>
Light V Mileage	<u>50 @ 4.40</u>	<u>220.00</u>
	@	
TOTAL		<u>3093.75</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8"</u>		
Coupler Shoe	<u>1 @ 460.98</u>	<u>460.98</u>
Basket	<u>1 @ 559.96</u>	<u>559.96</u>
Centralizer	<u>4 @ 74.88</u>	<u>299.52</u>
AFI Insert	<u>1 @ 446.94</u>	<u>446.94</u>
Rubber Plug	<u>1 @ 131.04</u>	<u>131.04</u>
TOTAL		<u>1898.44</u>

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME ALAN LOFTIS

SIGNATURE Alan Loftis

SALES TAX (If Any) 1360.19

TOTAL CHARGES \$ 26272.65 26866.65

DISCOUNT 35 9195.43 IF PAID IN 30 DAYS

\$ 17077.22 9/10 3.32

Net 17463.33



# ALLIED CEMENTING CO., INC.

KB

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: 27211  
LIBERAL, KS

DATE <u>12-31-12</u>	SEC <u>18</u>	TWP <u>27S</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>105T</u>	WELL # <u>1-18</u>	LOCATION <u>Captain E. L. Rd 8</u>				COUNTY <u>Garfield</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>Note Ad U with loc</u>				

CONTRACTOR STEARCY #5

TYPE OF JOB RTA

HOLE SIZE 7 7/8 T.D.

CASING SIZE 8 5/8 DEPTH 1827

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 XH DEPTH 1860'

TOOL N/A DEPTH

PRES. MAX 100 PSI MINIMUM 0

MEAS. LINE SHOE JOINT N/A

CEMENT LEFT IN CSG. 0

PERFS.

DISPLACEMENT 23 AAC

OWNER SAWNE

CEMENT AMOUNT ORDERED 170 SK

60/110 4% GRK

COMMON 102 @ 17.90 1825.80

POZMIX 68 @ 4.35 635.80

GEL 651K @ 23.40 140.46

CHLORIDE @

ASC @

EQUIPMENT

PUMP TRUCK CEMENTER R. McGUIRE 1

# 588/SSD HELPER A. TORRES 3

BULK TRUCK

# 562/SSY DRIVER C. TORRES 3

BULK TRUCK

# DRIVER

HANDLING 176 @ 2.48 436.48

MILEAGE 7.6 x 50 x 2.00 988.00

TOTAL 4026.44

REMARKS:

Thank you

SERVICE

DEPTH OF JOB 1860'

PUMP TRUCK CHARGE 2249.44

EXTRA FOOTAGE @

MILEAGE 50 mi @ 7.70 385.00

MANIFOLD @

CTUEL 2 mi 50 mi @ 4.40 220.00

TOTAL 2854.84

CHARGE TO: McCoy PET

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

N/A @

@

@

@

TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Alan Lopez

TAX 512.65

TOTAL CHARGE 6881.32

DISCOUNT 2408.46 IF PAID IN 30 DAYS

# 4472.86

ALAN LOPEZ

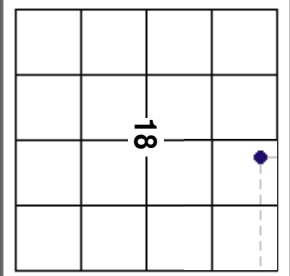
PRINTED NAME



**GEOLOGICAL  
REPORT  
AND  
DRILLING TIME  
SAMPLE LOG**

OPERATOR McCoy Petroleum Corporation  
 LEASE Yost 'G' WELL # 1-18  
 FIELD Wildcat  
 LOCATION 660' FNL & 2280' FEEL  
 SECTION 18 TOWNSHIP 27S RANGE 29W  
 COUNTY Gray STATE KS  
 API # 15 - 069 - 20419  
 CONTRACTOR Sterling Drilling Co. RIG NO. 5  
 COMMENCED DRILLING December 14, 2012  
 COMPLETED DRILLING December 29, 2012  
 RTD 5,250 FEET LTD 5,249 FEET  
 MUD UP AT 3,043 FEET MUD TYPE Chemical  
 SAMPLES SAVED FROM 4,000 TO 5,250  
 DRILLING TIME KEPT FROM 3,900 TO 5,250  
 SAMPLES EXAMINED FROM 4,000 TO 5,250  
 GEOLOGICAL SUPERVISION FROM 4,000 TO 5,250  
 GEOLOGIST ON WELL Evan Stone

ELEVATIONS  
 K.B. 2,763 FEET  
 G.L. 2,750 FEET  
 ALL MEASUREMENTS FROM K.B.  
 CASING  
 Surface: 8-5/8" @ 1827'  
 ELECTRICAL SURVEYS  
 Weatherford Wireline  
 Neutron-Density  
 Dual Induction  
 Microlog



DRILL STEM TESTING BY Trilobite Testing, Inc.  
 GAS DETECTOR TookeDAQ System

**ROCK TYPES**



- |       |       |       |            |        |
|-------|-------|-------|------------|--------|
| Anhy  | Congl | Sandy | Carb shale | Siltst |
| Bent  | Dol   | Shly  | Red shale  | Ss     |
| Brec  | Gyp   | Meta  | Brn shale  | Till   |
| Cht   | Igne  | Mrlst | Grn shale  |        |
| Clyst | Lmst  | Salt  | Shcol      |        |
| Coal  | Chtlm | Shale | Shgy       |        |

**ACCESSORIES**

- |                |          |                 |                |          |
|----------------|----------|-----------------|----------------|----------|
| <b>MINERAL</b> | Feldspar | Salt            | Dol            | Finexln  |
| Anhy           | Ferrpel  | Sandy           | Gyp            | Grainst  |
| Arggrn         | Ferr     | Silt            | Ls             | Lithogr  |
| Arg            | Glau     | Sil             | Mrst           | Microxln |
| Bent           | Gyp      | Sulphur         | Sltstrg        | Mudst    |
| Bit            | Hvymin   | Tuff            | Ssstrg         | Packst   |
| Brecfrag       | Kaol     | <b>STRINGER</b> |                | Wackest  |
| Calc           | Marl     | Anhy            | <b>TEXTURE</b> |          |
| Carb           | Minxl    | Arg             | Boundst        |          |
| Chtdk          | Nodule   | Bent            | Chalky         |          |
| Chtlt          | Phos     | Coal            | Cryxln         |          |
| Dol            | Pyr      |                 | Earthy         |          |

OTHER SYMBOLS

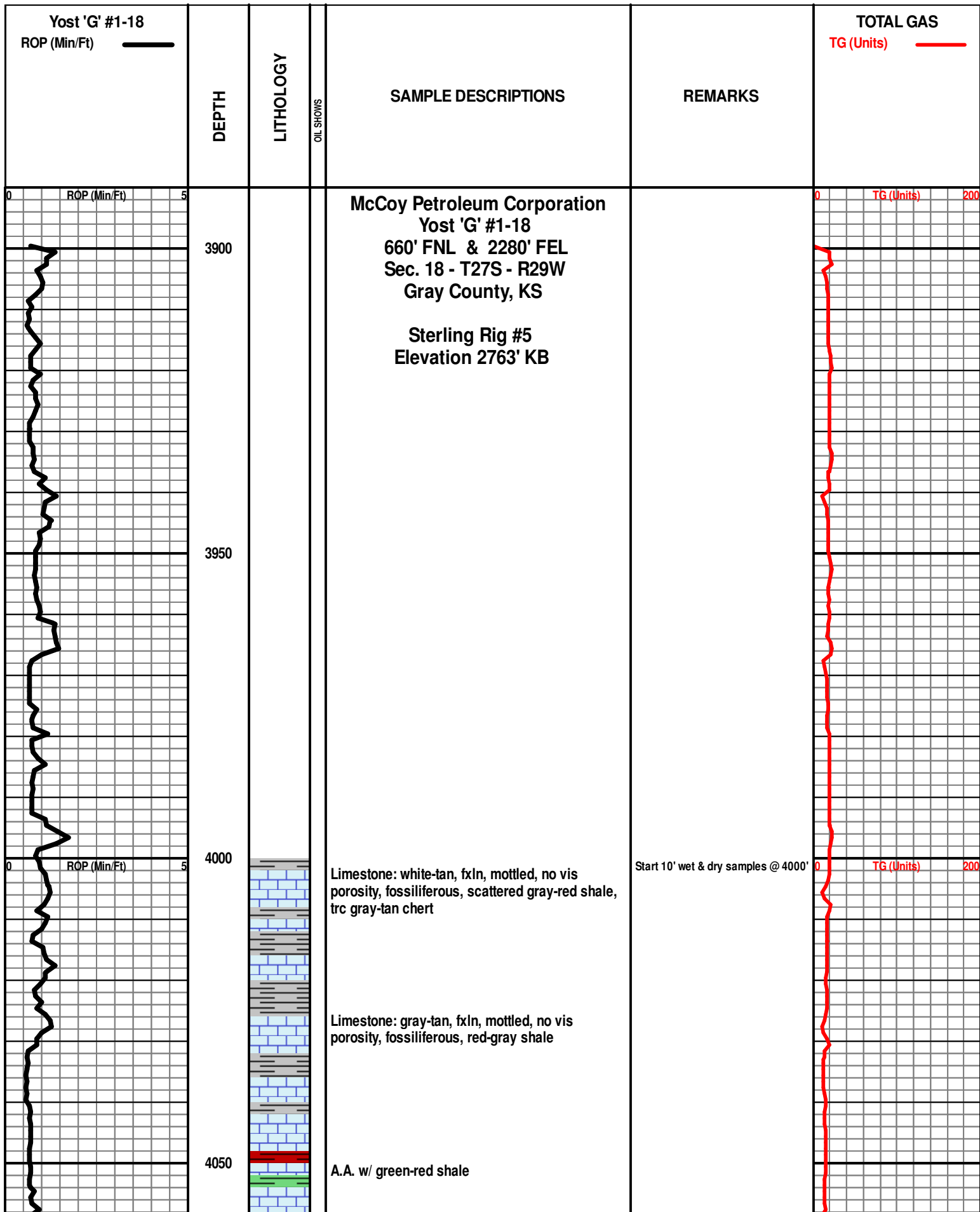
OIL/GAS SHOW

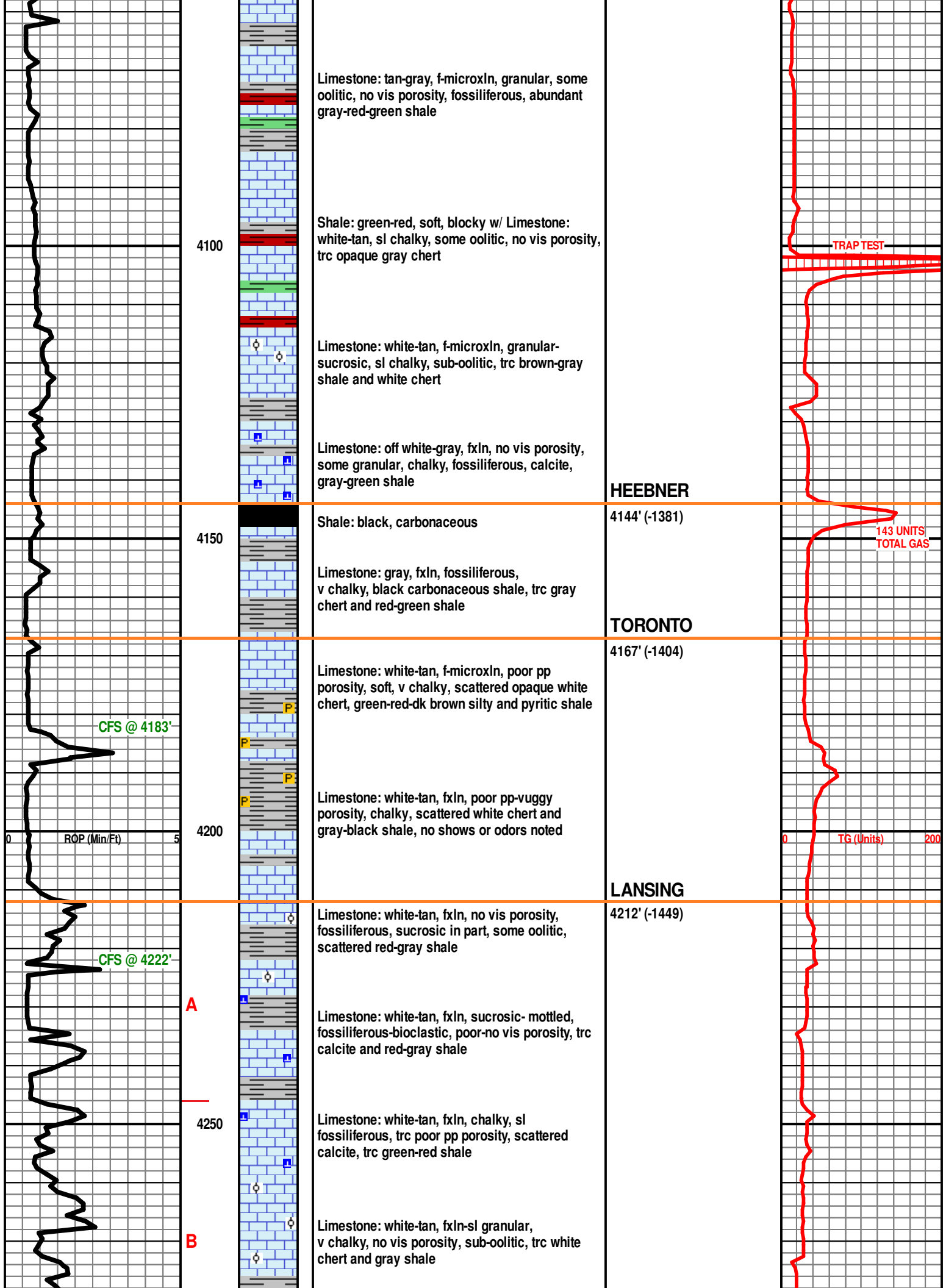
-  Gas show
-  Good

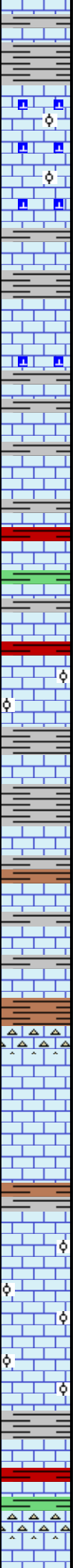
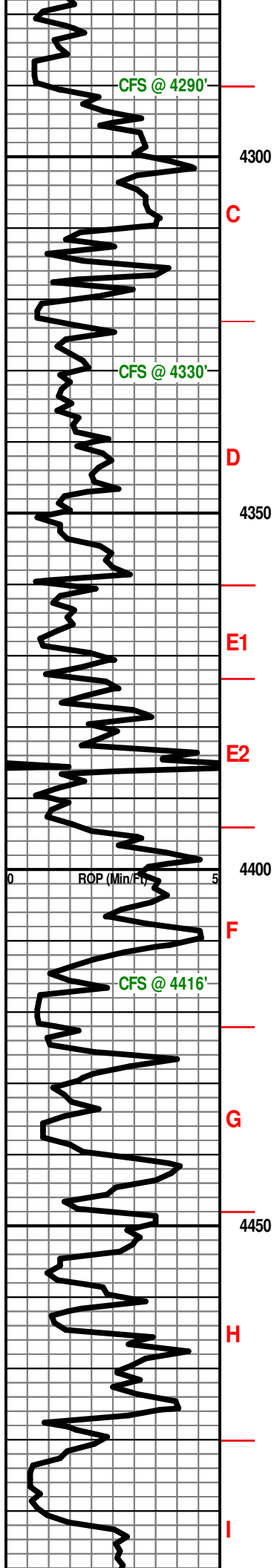
-  Fair
-  Poor
-  Dead

INTERVAL

-  Porosity
-  Dst







Shale: red-gray, soft, platy-fissile

Limestone: white-tan, f-microxn, dense, no vis porosity, sub-oolitic, sl fossiliferous, abundant calcite re-xln

Limestone: gray-tan, f-microxn, chalky, no vis porosity, sl fossiliferous, trc white-gray chert and gray-green shale

Limestone: gray-tan, fxln, sucrosic to sl chalky, some granular, no vis porosity, fossiliferous, calcite re-xln, trc gray shale

Limestone: gray-tan-off white, microxn, sl chalky, no vis porosity, sucrosic-granular, fossiliferous, trc tan-opaque gray chert and red-green shale

Limestone: gray-tan, microxn, dense, no vis porosity, sucrosic, some granular, oolitic in part, trc silty gray-red shale

Limestone: white-tan-gray, f-microxn, no vis porosity, granular, dense, siliceous in part, abundant white-gray-tan chert and gray-brown silty shale

Limestone: tan-white-gray, fxln, trc poor pp-interxn porosity, sli fossiliferous- bioclastic in part, chalky, calcite re-xln, intermixed w/ green-red shale, brown silty-sandy shale, and trc white-gray chert

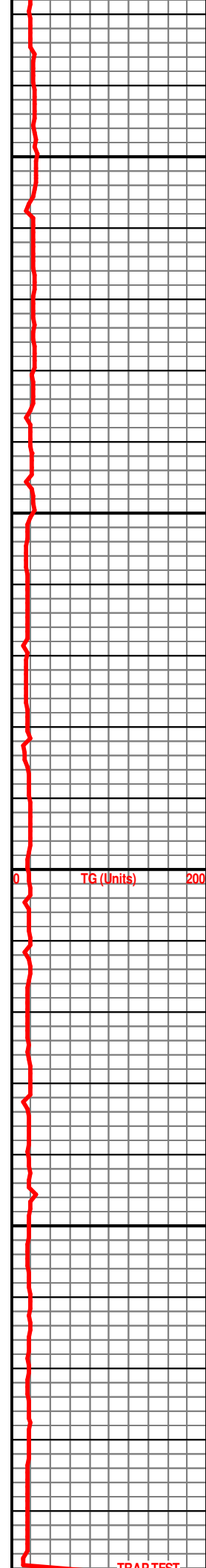
Limestone: gray-tan, f-microxn, no vis porosity, some granular-siliceous, oolitic in part, fossiliferous, trc calcite re-xln, abundant green-red shale, trc brown silty shale and white-gray chert

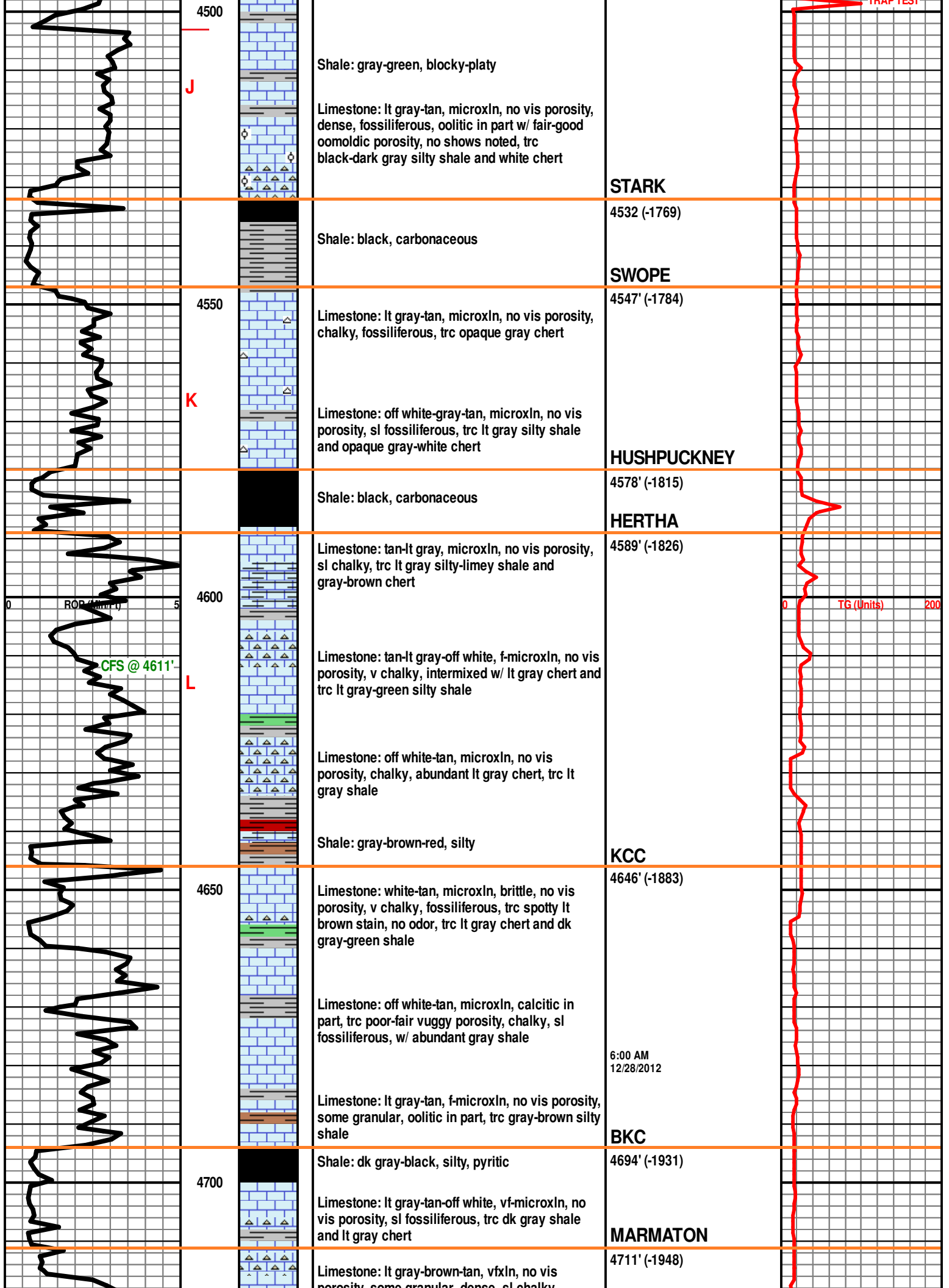
Limestone: tan-gray-off white, microxn, dense, no vis porosity, sl fossiliferous, sl chalky, some oolitic w/ poor interoolitic porosity

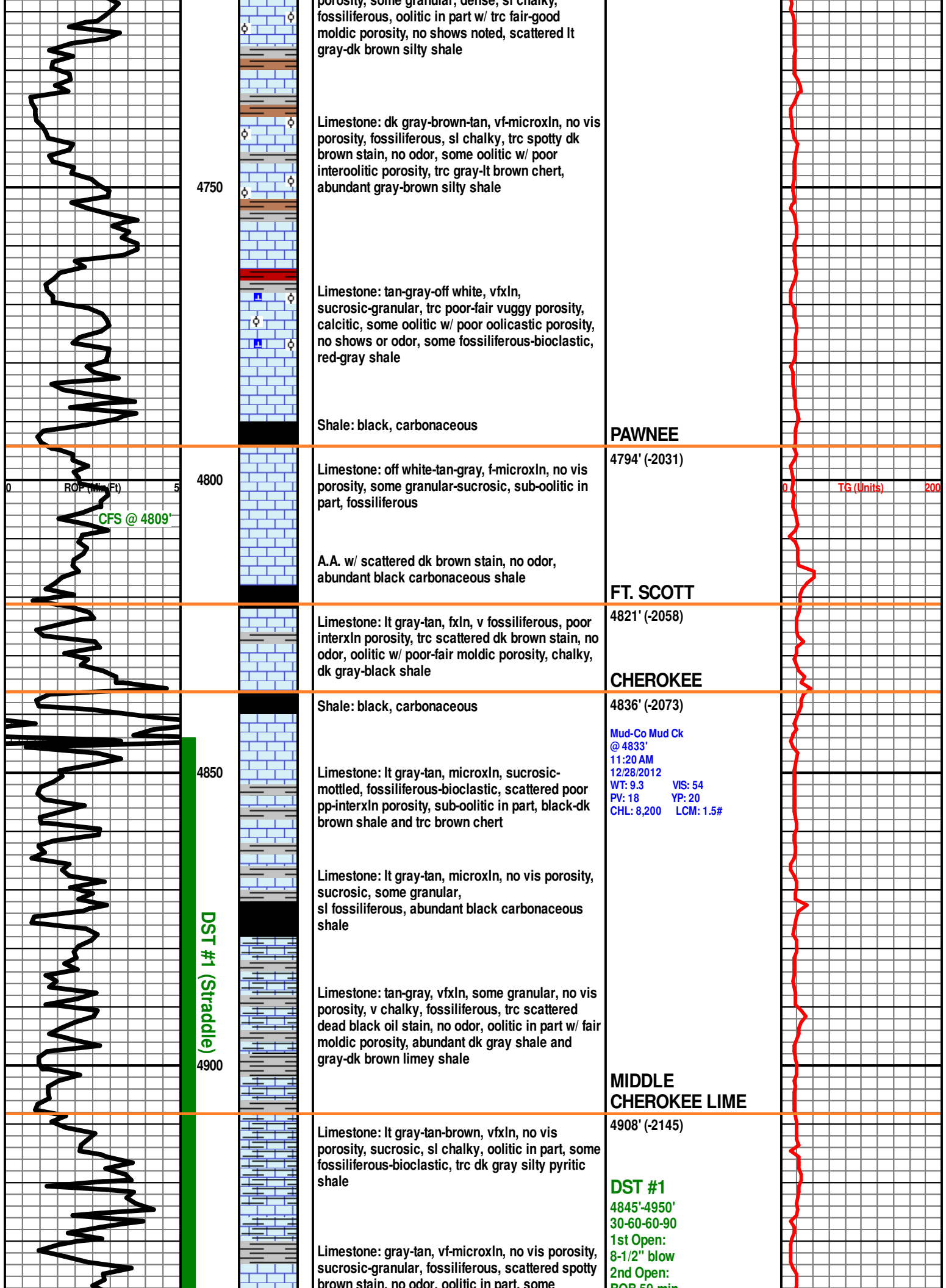
Limestone: tan-gray-off white, f-microxn, chalky, no vis porosity, fossiliferous, intermixed w/ red-green shale, brown silty-sandy shale, and opaque gray-white chert, trc calcite re-xln

6:00 AM  
12/27/2012

Mud-Co Mud Ck  
@ 4330'  
9:10 AM  
12/27/2012  
WT: 9.25 VIS: 47  
PV: 15 YP: 16  
CHL: 9,300 LCM: 2#







porosity, some granular, dense, sl chalky, fossiliferous, oolitic in part w/ trc fair-good moldic porosity, no shows noted, scattered lt gray-dk brown silty shale

Limestone: dk gray-brown-tan, vf-microIn, no vis porosity, fossiliferous, sl chalky, trc spotty dk brown stain, no odor, some oolitic w/ poor interoolitic porosity, trc gray-lt brown chert, abundant gray-brown silty shale

Limestone: tan-gray-off white, vfxIn, sucrosic-granular, trc poor-fair vuggy porosity, calcitic, some oolitic w/ poor oolitic porosity, no shows or odor, some fossiliferous-bioclastic, red-gray shale

Shale: black, carbonaceous

**PAWNEE**

4794' (-2031)

Limestone: off white-tan-gray, f-microIn, no vis porosity, some granular-sucrosic, sub-oolitic in part, fossiliferous

A.A. w/ scattered dk brown stain, no odor, abundant black carbonaceous shale

**FT. SCOTT**

Limestone: lt gray-tan, fxIn, v fossiliferous, poor interxIn porosity, trc scattered dk brown stain, no odor, oolitic w/ poor-fair moldic porosity, chalky, dk gray-black shale

4821' (-2058)

**CHEROKEE**

Shale: black, carbonaceous

4836' (-2073)

Mud-Co Mud Ck @ 4833' 11:20 AM 12/28/2012 WT: 9.3 VIS: 54 PV: 18 YP: 20 CHL: 8,200 LCM: 1.5#

Limestone: lt gray-tan, microIn, sucrosic-mottled, fossiliferous-bioclastic, scattered poor pp-interxIn porosity, sub-oolitic in part, black-dk brown shale and trc brown chert

Limestone: lt gray-tan, microIn, no vis porosity, sucrosic, some granular, sl fossiliferous, abundant black carbonaceous shale

Limestone: tan-gray, vfxIn, some granular, no vis porosity, v chalky, fossiliferous, trc scattered dead black oil stain, no odor, oolitic in part w/ fair moldic porosity, abundant dk gray shale and gray-dk brown limey shale

**MIDDLE CHEROKEE LIME**

4908' (-2145)

Limestone: lt gray-tan-brown, vfxIn, no vis porosity, sucrosic, sl chalky, oolitic in part, some fossiliferous-bioclastic, trc dk gray silty pyritic shale

**DST #1**

4845'-4950' 30-60-60-90

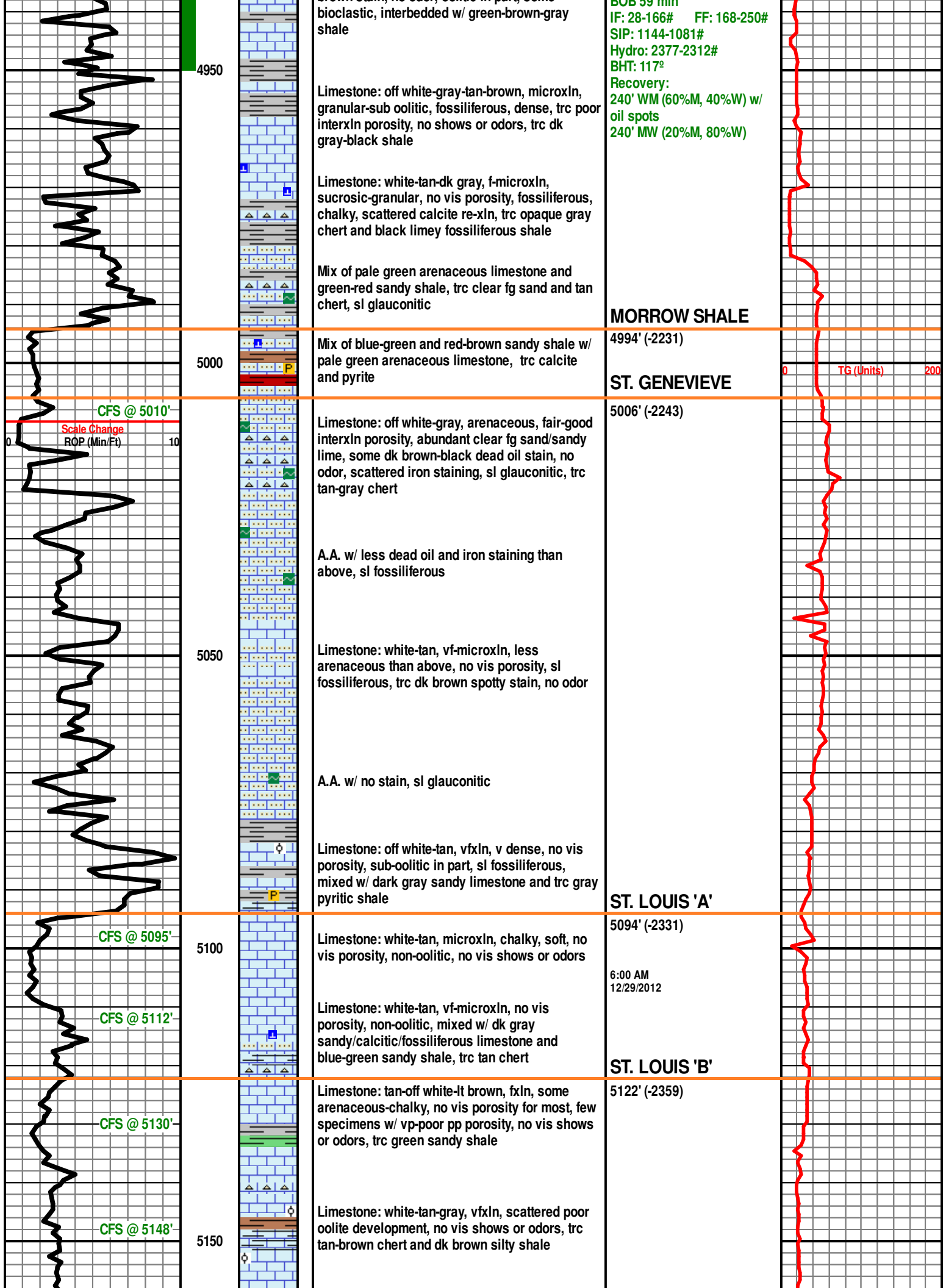
1st Open: 8-1/2" blow

2nd Open: ROP 50 min

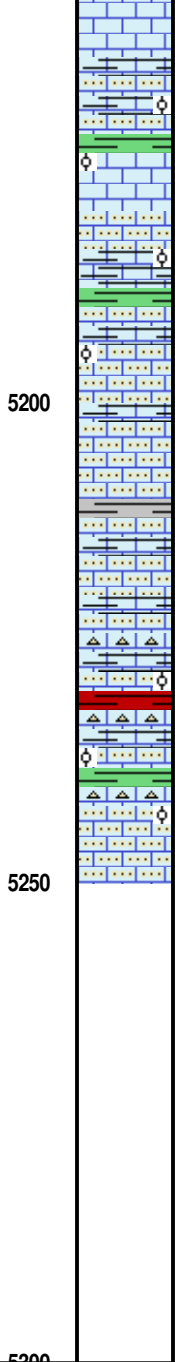
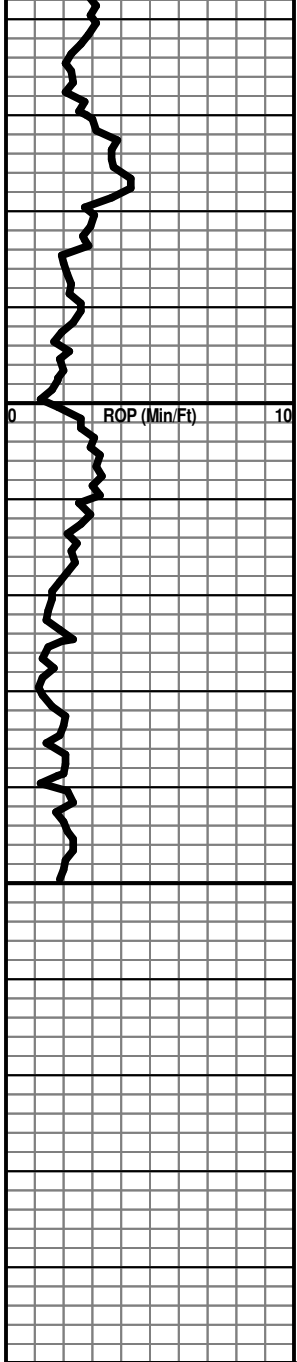
**DST #1 (Straddle) 4845'-4950'**

CFS @ 4809'

TG (Units)







Limestone: gray-white-tan, fxl n-granular, dense, some arenaceous, sub-oolitic w/ poor oolite development, no vis porosity, fossiliferous, green-red shale

A.A. w/ pale green-dk gray silty shale

Limestone: off white-tan- lt brown, microIn, dense, no vis porosity, some arenaceous, cherty, non-oolitic, fossiliferous, trc lt gray silty/pyritic shale

Limestone: gray-tan, vfxIn, no vis porosity, less dense than above, oolitic in part w/ poor inter-oolitic porosity, some arenaceous, chalky, scattered white-tan chert, trc red-green-gray shale

RTD 5250' (-2487)

