KOLAR Document ID: 1354665

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 # 5003
Name: McCoy Petroleum Corporation
Address 1: 9342 E CENTRAL
Address 2:
City: WICHITA State: KS Zip: 67206 + 2573
Contact Person: Scott Hampel
Phone: (316) 636-2737
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Zach Wiele / Evan Stone
Purchaser: MVPurchasing

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 #:

2/22/2017	3/4/2017	5/10/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-069-20498-00-00
Spot Description: C NE NE
__ - __ - NE - NE Sec. 36 Twp. 28 S. R. 29 ☐ East ☑ West
660 Feet from ☑ North / ☐ South Line of Section
660 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Gray
Lease Name: REED TRUST "A" Well #: 1-36
Field Name: Wildcat
Producing Formation: St. Louis
Elevation: Ground: 2769 Kelly Bushing: 2780
Total Vertical Depth: 5500 Plug Back Total Depth: 5448
Amount of Surface Pipe Set and Cemented at: 1776 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: 12100 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
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: 06/14/2017
☑ **Confidential Release Date:** 06/14/2019
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 06/15/2017

Operator Name: McCoy Petroleum Corporation Lease Name: REED TRUST "A" Well #: 1-36

Sec. 36 Twp. 28 S. R. 29 ☐ East ☑ West County: Gray

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	☐ Log Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☑ Yes	☐ No	Name: See Attachment Top: See Attachment Datum: See Attachment
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☐ Yes	☐ No	

List All E. Logs Run:
Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	1776	AMD Lite / Class A	700	3%CC, 1/2#/sx Flocele
Production	7.875	4.5	10.5	5491	ASC A	225	4% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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:
5/10/2017	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	2		8		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top / Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	5180-5225 / St. Louis B1,2,3

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: 2.375 Set At: 5249 Packer At: 0

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	REED TRUST "A" 1-36
Doc ID	1354665

All Electric Logs Run

Dual Induction
Density / Neutron
Microlog
Sonic
Cement Bond

Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	REED TRUST "A" 1-36
Doc ID	1354665

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5202-5206 SL-B2, 5180-5188 LS-B1	AC: 1000 gals 15% MCA	5206
4	5219-5225 SL-B3	AC: 750 gals 15% MCA	5225

Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	REED TRUST "A" 1-36
Doc ID	1354665

Casing

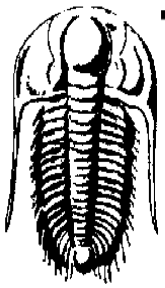
Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1776	AMD Lite / Class A	700	3%CC, 1/2#/sx Flocele
Production	7.875	4.5	10.5	5491	ASC A	225	4% gel

SAMPLE TOPS
McCoy Petroleum Corp.
Reed Trust 'A' #1-36
C NE NE
660'FNL & 660'FEL
Sec 36-28s-29w
KB: 2780'

	Depth	Datum
Base/Anhy	1782	+ 998
Stotler	3567	- 787
Heebner	4214	-1434
Toronto	4224	-1444
Lansing	4270	-1490
Lansing B	4318	-1538
Lansing H	4494	-1714
Stark	4613	-1833
Swope Pors.	4618	-1838
Hushpuckney	4668	-1888
Hertha Pors.	4682	-1902
Marmaton	4804	-2024
Marmaton C	4860	-2080
Pawnee	4895	-2115
Ft Scott	4910	-2130
Cherokee	4937	-2157
Atoka	5078	-2298
Morrow Sh.	5098	-2318
St Genevieve	5115	-2335
St Louis 'B'	5178	-2398
St Louis 'C'	5217	-2437
St Louis 'D'	5260	-2480
RTD	5500	-2710

LOG TOPS
McCoy Petroleum Corp.
Reed Trust 'A' #1-36
C NE NE
660'FNL & 660'FEL
Sec 36-28s-29w
KB: 2780'

	Depth	Datum
Base/Anhy	1782	+ 998
Stotler	3576	- 796
Heebner	4213	-1433
Toronto	4230	-1450
Lansing	4274	-1494
Lansing B	4314	-1534
Lansing H	4516	-1736
Stark	4613	-1833
Swope Pors.	4618	-1838
Hushpuckney	4668	-1888
Hertha Pors.	4686	-1906
Marmaton	4806	-2026
Marmaton C	4856	-2076
Pawnee	4895	-2115
Ft Scott	4922	-2142
Cherokee	4938	-2158
Atoka	5080	-2300
Morrow Sh.	5098	-2318
St Genevieve	5104	-2324
St Louis 'B'	5180	-2400
St Louis 'C'	5218	-2438
St Louis 'D'	5260	-2480
Spergen	5326	-2546
LTD	5501	-2711



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

Reed Trust A #1-36

36-28s-29w Gray,KS

Start Date: 2017.02.28 @ 02:00:50

End Date: 2017.02.28 @ 09:47:50

Job Ticket #: 65665 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.03.06 @ 09:54:27

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65665 **DST#: 1**

Test Start: 2017.02.28 @ 02:00:50

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:23:50
Time Test Ended: 09:47:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79

Interval: 4880.00 ft (KB) To 4910.00 ft (KB) (TVD)
Total Depth: 4910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

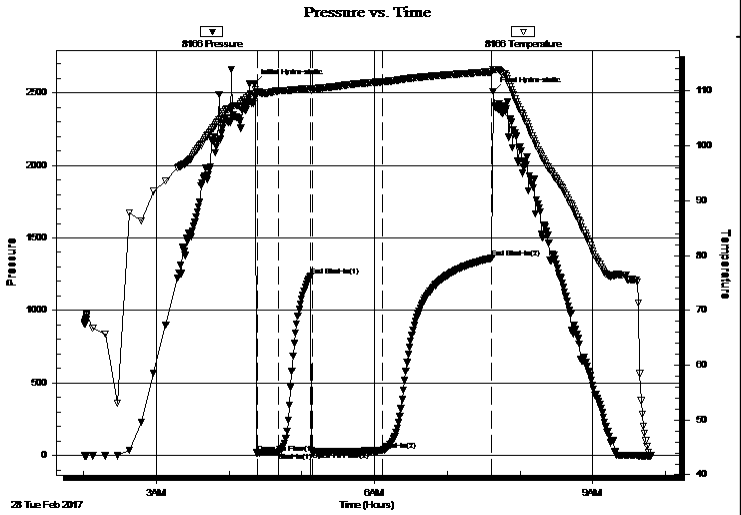
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**

Press@RunDepth: 34.45 psig @ 4881.00 ft (KB)
Start Date: 2017.02.28 End Date: 2017.02.28
Start Time: 02:00:55 End Time: 09:47:49

Capacity: 8000.00 psig
Last Calib.: 2017.02.28
Time On Btm: 2017.02.28 @ 04:20:50
Time Off Btm: 2017.02.28 @ 07:37:50

TEST COMMENT: IF: 1/4" blow died to surface.
IS: No return.
FF: Surface blow built to 1/4"
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2561.03	109.57	Initial Hydro-static
3	17.49	109.80	Open To Flow (1)
20	23.73	110.01	Shut-In(1)
47	1238.89	110.45	End Shut-In(1)
48	25.93	110.36	Open To Flow (2)
106	34.45	111.66	Shut-In(2)
196	1360.42	113.48	End Shut-In(2)
197	2510.24	113.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100%m	0.10

Gas Rates

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

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65665 **DST#: 1**

Test Start: 2017.02.28 @ 02:00:50

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:23:50
Time Test Ended: 09:47:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79

Interval: 4880.00 ft (KB) To 4910.00 ft (KB) (TVD)
Total Depth: 4910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

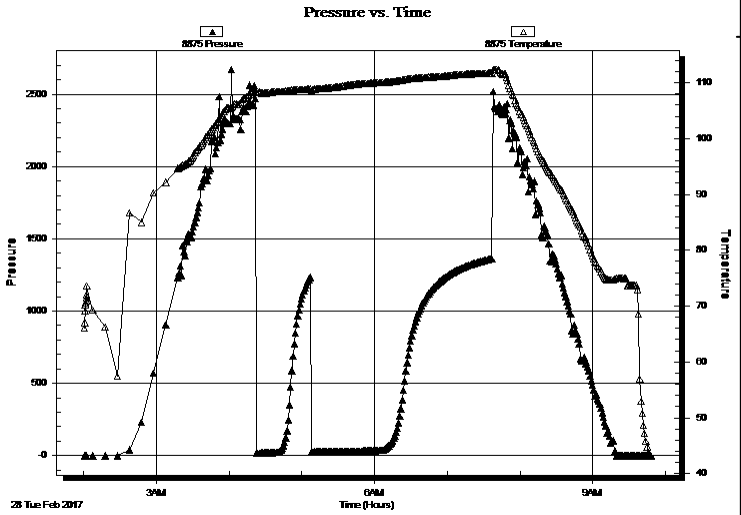
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: psig @ 4881.00 ft (KB)
Start Date: 2017.02.28 End Date: 2017.02.28
Start Time: 02:00:49 End Time: 09:47:43

Capacity: 8000.00 psig
Last Calib.: 2017.02.28
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 1/4" blow died to surface.
IS: No return.
FF: Surface blow built to 1/4"
FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100%m	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65665 **DST#: 1**

Test Start: 2017.02.28 @ 02:00:50

Tool Information

Drill Pipe:	Length:	4649.00 ft	Diameter:	3.80 inches	Volume:	65.21 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25 inches	Volume:	1.07 bbl	
					Total Volume:	66.28 bbl	

Drill Pipe Above KB:	13.00 ft
Depth to Top Packer:	4880.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	30.00 ft
Tool Length:	57.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		85000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	78000.00 lb
	Final	78000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4854.00		
Shut In Tool	5.00			4859.00		
Hydraulic tool	5.00			4864.00		
Jars	5.00			4869.00		
Safety Joint	2.00			4871.00		
Packer	5.00			4876.00	27.00	Bottom Of Top Packer
Packer	4.00			4880.00		
Stubb	1.00			4881.00		
Recorder	0.00	8875	Inside	4881.00		
Recorder	0.00	8166	Outside	4881.00		
Perforations	24.00			4905.00		
Bullnose	5.00			4910.00	30.00	Bottom Packers & Anchor
Total Tool Length:	**57.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65665 **DST#: 1**

Test Start: 2017.02.28 @ 02:00:50

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100%m	0.098

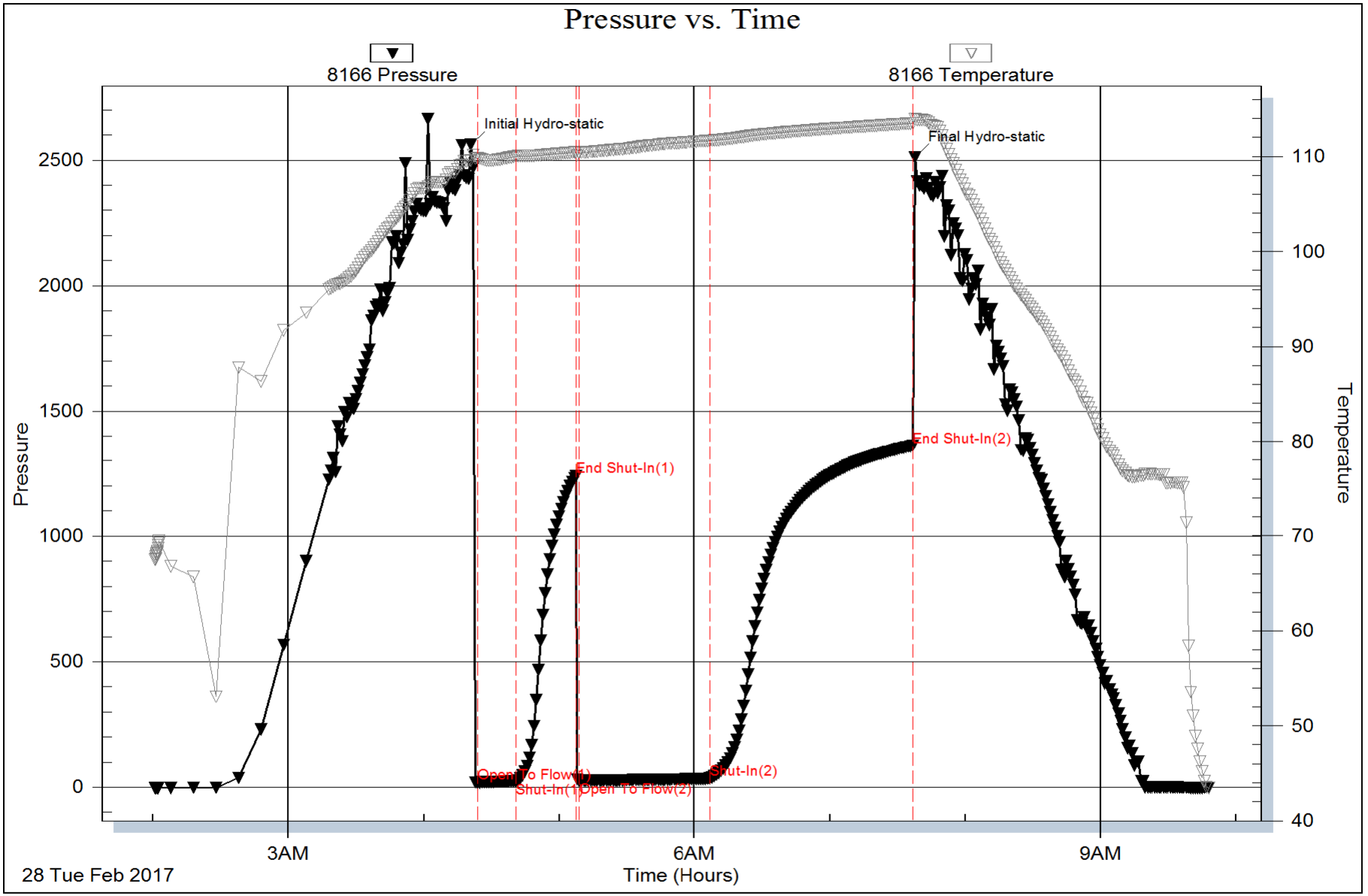
Total Length: 20.00 ft Total Volume: 0.098 bbl

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

Laboratory Name: Laboratory Location:

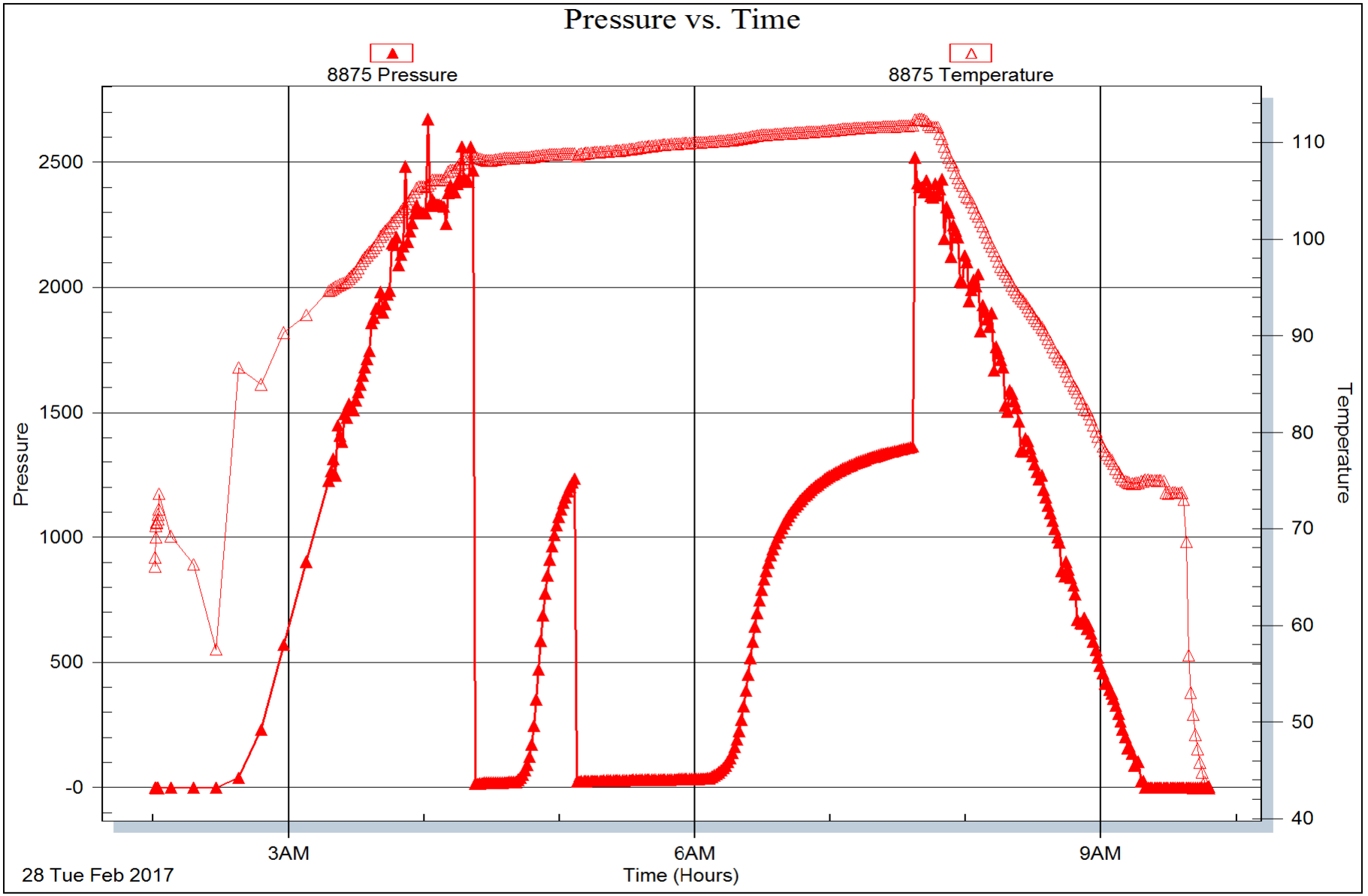
Recovery Comments:

Serial #: 8166 **Outside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 65665 Printed: 2017.03.06 @ 09:54:28

Serial #: 8875 **Inside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 1



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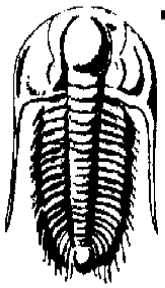


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

Reed Trust A #1-36

36-28s-29w Gray,KS

Start Date: 2017.03.01 @ 02:26:43

End Date: 2017.03.01 @ 11:06:13

Job Ticket #: 65666 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.03.06 @ 09:53:59

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65666 **DST#: 2**

Test Start: 2017.03.01 @ 02:26:43

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:58:13
Time Test Ended: 11:06:13

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 5170.00 ft (KB) To 5201.00 ft (KB) (TVD)
Total Depth: 5201.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

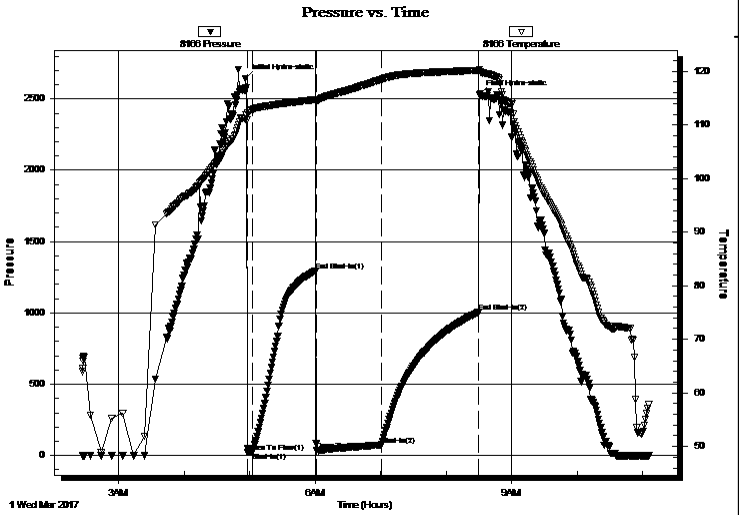
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**

Press@RunDepth: 74.31 psig @ 5171.00 ft (KB)
Start Date: 2017.03.01 End Date: 2017.03.01
Start Time: 02:26:48 End Time: 11:06:13

Capacity: 8000.00 psig
Last Calib.: 2017.03.01
Time On Btm: 2017.03.01 @ 04:56:13
Time Off Btm: 2017.03.01 @ 08:30:43

TEST COMMENT: IF: BOB in 4 min.
IS: No return.
FF: BOB in 30 sec.
FS: Surface blow died in 30 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2644.57	111.17	Initial Hydro-static
2	22.87	112.18	Open To Flow (1)
7	25.29	112.85	Shut-In(1)
64	1292.47	114.71	End Shut-In(1)
65	34.22	114.34	Open To Flow (2)
125	74.31	118.47	Shut-In(2)
213	1002.62	120.17	End Shut-In(2)
215	2532.93	120.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mw cgo 40%g 30%o 10%w 20%m	0.30
62.00	gocm 10%g 10%o 80%m	0.30
20.00	oil 100%o	0.10
0.00	2061 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65666 **DST#: 2**

Test Start: 2017.03.01 @ 02:26:43

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:58:13
Time Test Ended: 11:06:13

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 5170.00 ft (KB) To 5201.00 ft (KB) (TVD)
Total Depth: 5201.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

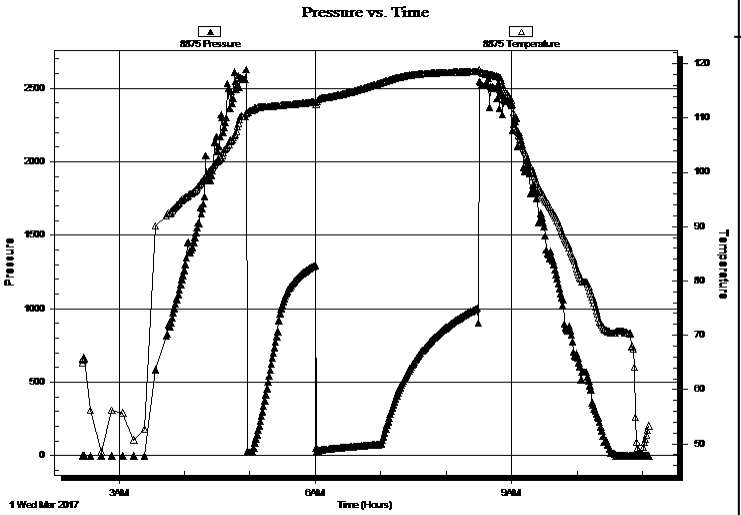
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: psig @ 5171.00 ft (KB)
Start Date: 2017.03.01 End Date: 2017.03.01
Start Time: 02:26:42 End Time: 11:05:37

Capacity: 8000.00 psig
Last Calib.: 2017.03.01
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: BOB in 4 min.
IS: No return.
FF: BOB in 30 sec.
FS: Surface blow died in 30 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mw cgo 40%g 30%o 10%w 20%m	0.30
62.00	gocm 10%g 10%o 80%m	0.30
20.00	oil 100%o	0.10
0.00	2061 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65666 **DST#: 2**

Test Start: 2017.03.01 @ 02:26:43

Tool Information

Drill Pipe:	Length:	4936.00 ft	Diameter:	3.80 inches	Volume:	69.24 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25 inches	Volume:	1.07 bbl	
					Total Volume:	70.31 bbl	

Drill Pipe Above KB:	10.00 ft
Depth to Top Packer:	5170.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	31.00 ft
Tool Length:	58.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		90000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	82000.00 lb
	Final	82000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			5144.00		
Shut In Tool	5.00			5149.00		
Hydraulic tool	5.00			5154.00		
Jars	5.00			5159.00		
Safety Joint	2.00			5161.00		
Packer	5.00			5166.00	27.00	Bottom Of Top Packer
Packer	4.00			5170.00		
Stubb	1.00			5171.00		
Recorder	0.00	8875	Inside	5171.00		
Recorder	0.00	8166	Outside	5171.00		
Perforations	25.00			5196.00		
Bullnose	5.00			5201.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**58.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65666 **DST#: 2**

Test Start: 2017.03.01 @ 02:26:43

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.59 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1850.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

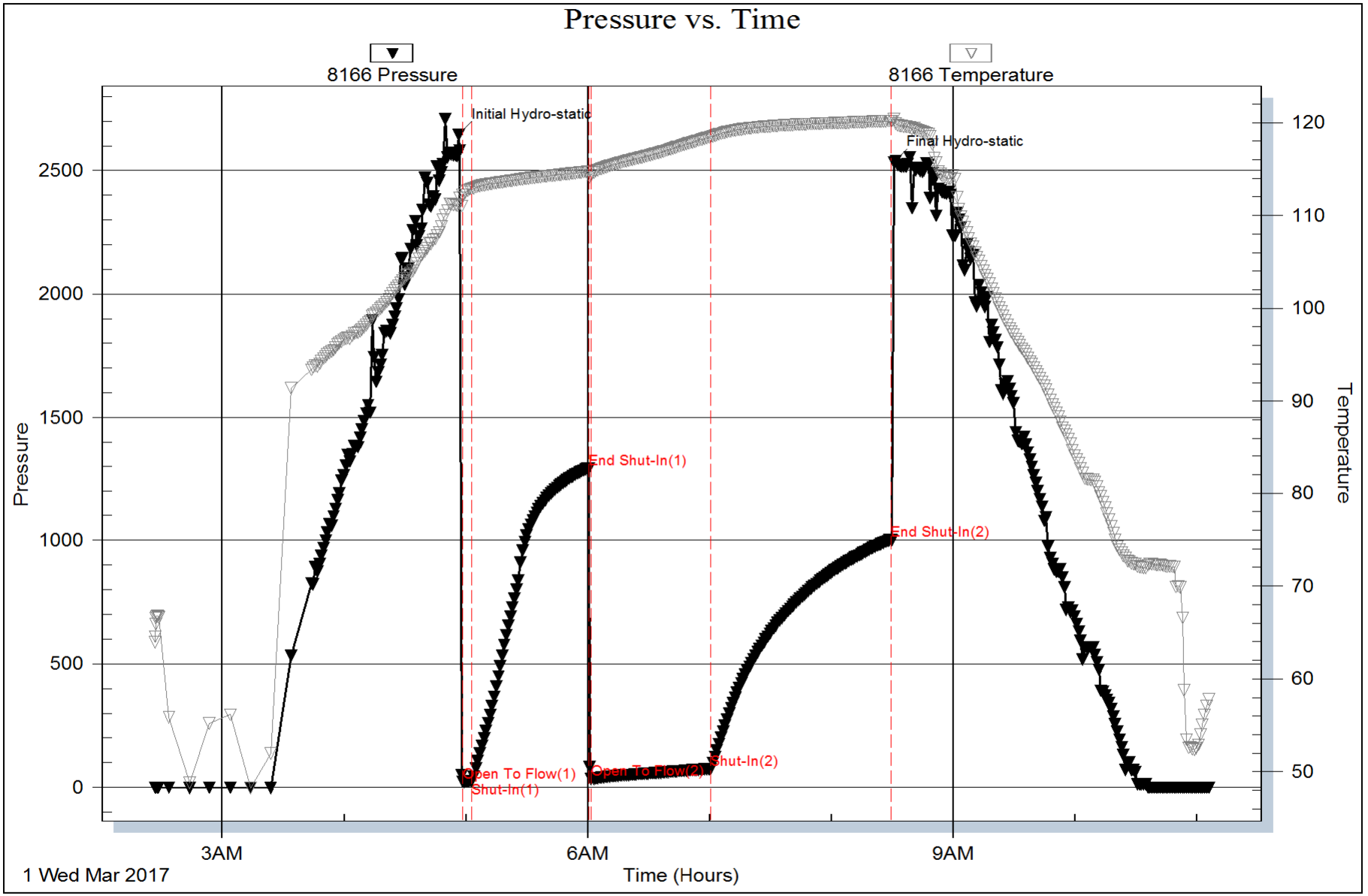
Recovery Table

Length ft	Description	Volume bbl
62.00	mw cgo 40%g 30%o 10%w 20%m	0.305
62.00	gocm 10%g 10%o 80%m	0.305
20.00	oil 100%o	0.098
0.00	2061 GIP	0.000

Total Length: 144.00 ft Total Volume: 0.708 bbl

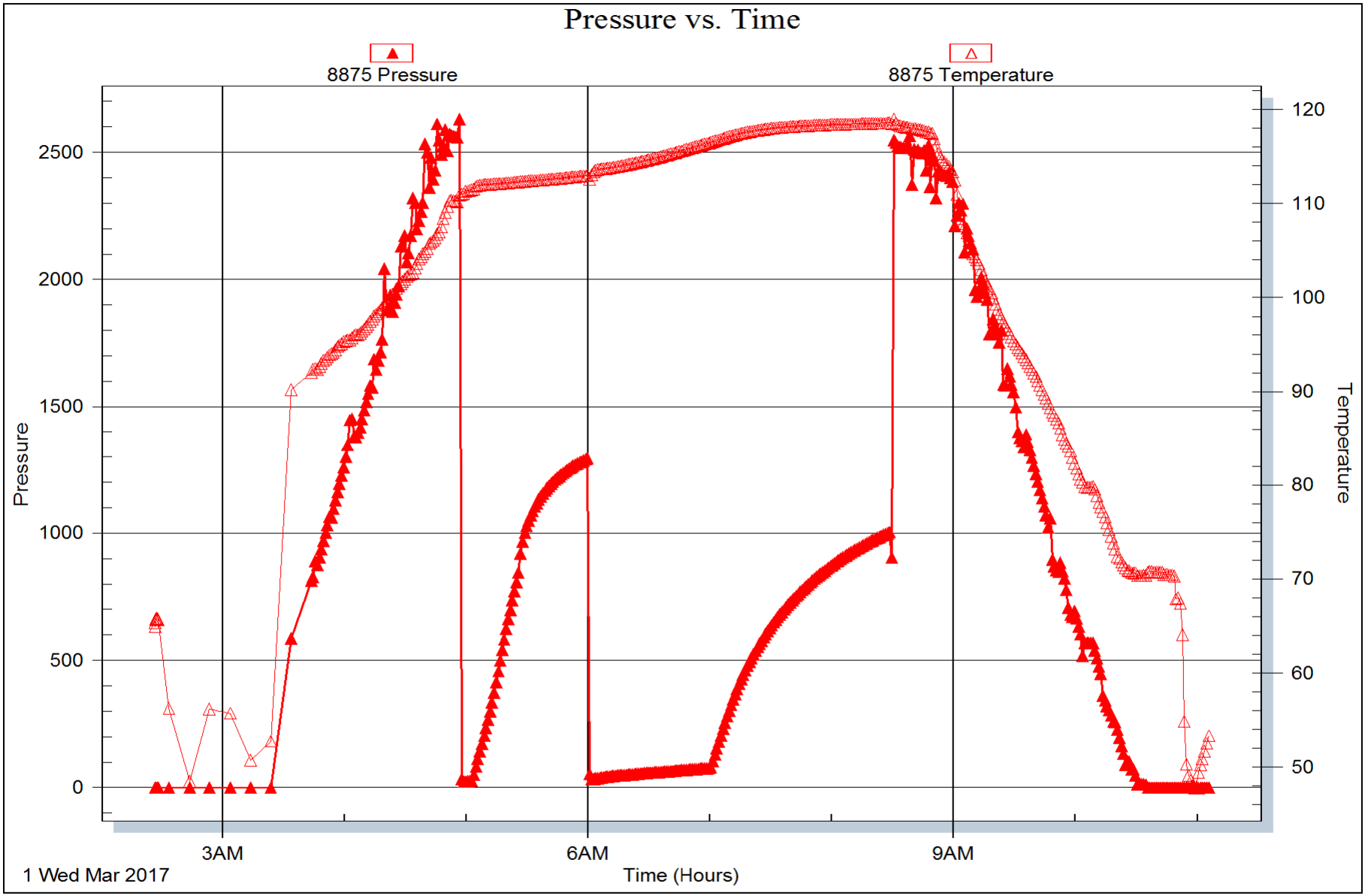
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8166 **Outside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 65666 Printed: 2017.03.06 @ 09:54:02

Serial #: 8875 **Inside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 2



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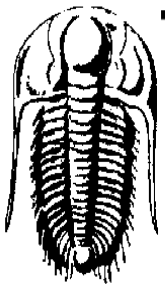


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

Reed Trust A #1-36

36-28s-29w Gray,KS

Start Date: 2017.03.01 @ 21:06:45

End Date: 2017.03.02 @ 05:29:15

Job Ticket #: 65667 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.03.06 @ 09:52:07

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65667 **DST#: 3**

Test Start: 2017.03.01 @ 21:06:45

GENERAL INFORMATION:

Formation: **St Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:34:45
Time Test Ended: 05:29:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 5201.00 ft (KB) To 5245.00 ft (KB) (TVD)
Total Depth: 5245.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

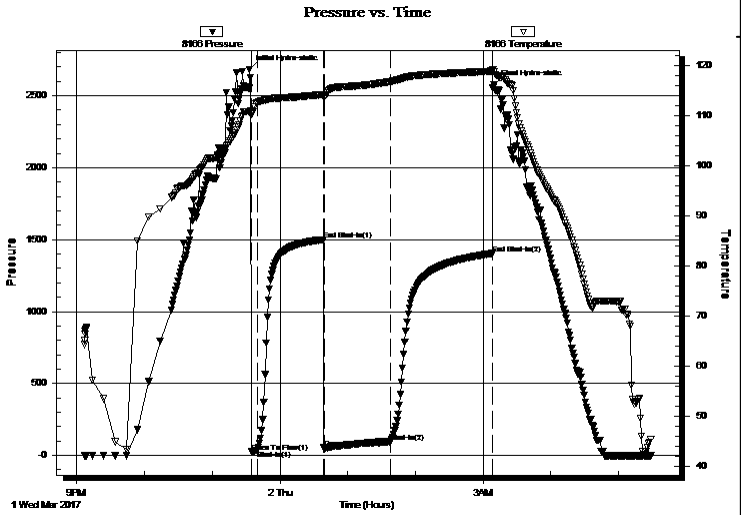
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**

Press@RunDepth: 93.85 psig @ 5202.00 ft (KB)
Start Date: 2017.03.01 End Date: 2017.03.02
Start Time: 21:06:50 End Time: 05:29:14

Capacity: 8000.00 psig
Last Calib.: 2017.03.02
Time On Btm: 2017.03.01 @ 23:33:15
Time Off Btm: 2017.03.02 @ 03:09:45

TEST COMMENT: IF: 1/4" blow built to 3"
IS: No return.
FF: BOB in 16 min.
FS: Surface blow built to 2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2683.13	110.73	Initial Hydro-static
2	25.32	110.26	Open To Flow (1)
7	36.63	112.52	Shut-In(1)
65	1499.52	114.15	End Shut-In(1)
67	47.78	113.73	Open To Flow (2)
125	93.85	116.70	Shut-In(2)
215	1403.45	118.81	End Shut-In(2)
217	2576.05	118.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocm 20%g 10%o 70%m	0.30
124.00	gocm 20%g 20%o 60%m	0.61
2.00	free oil 100%o	0.01
0.00	883 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65667 **DST#: 3**

Test Start: 2017.03.01 @ 21:06:45

GENERAL INFORMATION:

Formation: **St Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:34:45
Time Test Ended: 05:29:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 5201.00 ft (KB) To 5245.00 ft (KB) (TVD)
Total Depth: 5245.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

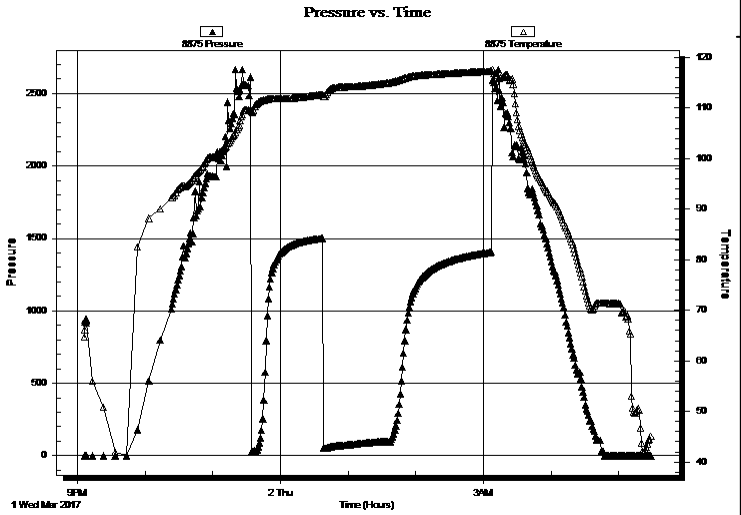
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: psig @ 5202.00 ft (KB)
Start Date: 2017.03.01 End Date: 2017.03.02
Start Time: 21:06:24 End Time: 05:28:48

Capacity: 8000.00 psig
Last Calib.: 2017.03.02
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 3"
IS: No return.
FF: BOB in 16 min.
FS: Surface blow built to 2"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocm 20%g 10%o 70%m	0.30
124.00	gocm 20%g 20%o 60%m	0.61
2.00	free oil 100%o	0.01
0.00	883 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65667 **DST#: 3**

Test Start: 2017.03.01 @ 21:06:45

Tool Information

Drill Pipe:	Length:	4967.00 ft	Diameter:	3.80	inches	Volume:	69.67	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25	inches	Volume:	1.07	bbl	
						Total Volume:	70.74	bbl	

Drill Pipe Above KB:	10.00 ft
Depth to Top Packer:	5201.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	44.00 ft
Tool Length:	71.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		110000.0 lb
Tool Chased		0.00 ft
String Weight:	Initial	84000.00 lb
	Final	84000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			5175.00		
Shut In Tool	5.00			5180.00		
Hydraulic tool	5.00			5185.00		
Jars	5.00			5190.00		
Safety Joint	2.00			5192.00		
Packer	5.00			5197.00	27.00	Bottom Of Top Packer
Packer	4.00			5201.00		
Stubb	1.00			5202.00		
Recorder	0.00	8875	Inside	5202.00		
Recorder	0.00	8166	Outside	5202.00		
Perforations	4.00			5206.00		
Change Over Sub	1.00			5207.00		
Drill Pipe	32.00			5239.00		
Change Over Sub	1.00			5240.00		
Bullnose	5.00			5245.00	44.00	Bottom Packers & Anchor
Total Tool Length:	**71.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65667 **DST#: 3**

Test Start: 2017.03.01 @ 21:06:45

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

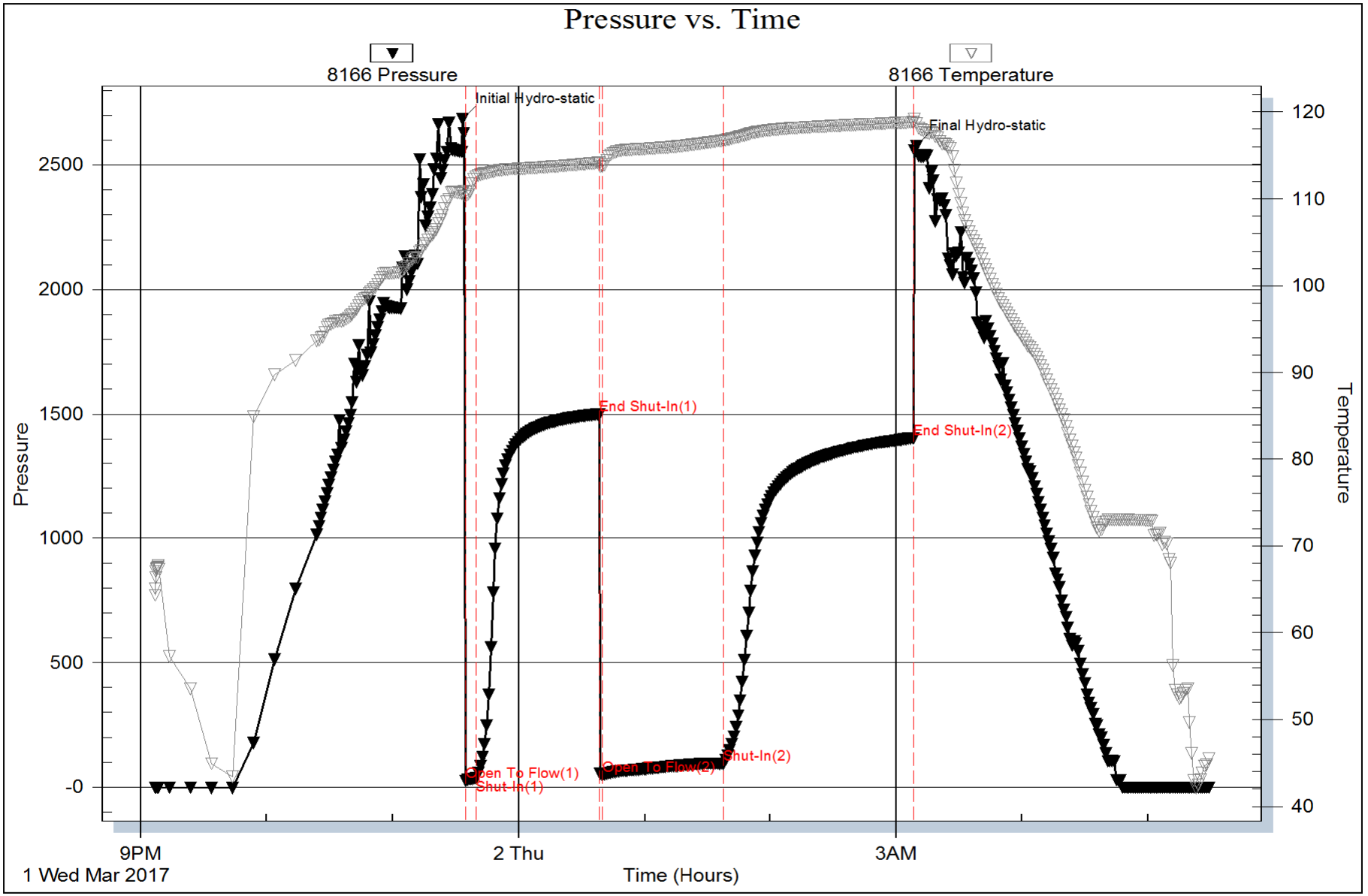
Recovery Table

Length ft	Description	Volume bbl
62.00	gocm 20%g 10%o 70%m	0.305
124.00	gocm 20%g 20%o 60%m	0.610
2.00	free oil 100%o	0.010
0.00	883 GIP	0.000

Total Length: 188.00 ft Total Volume: 0.925 bbl

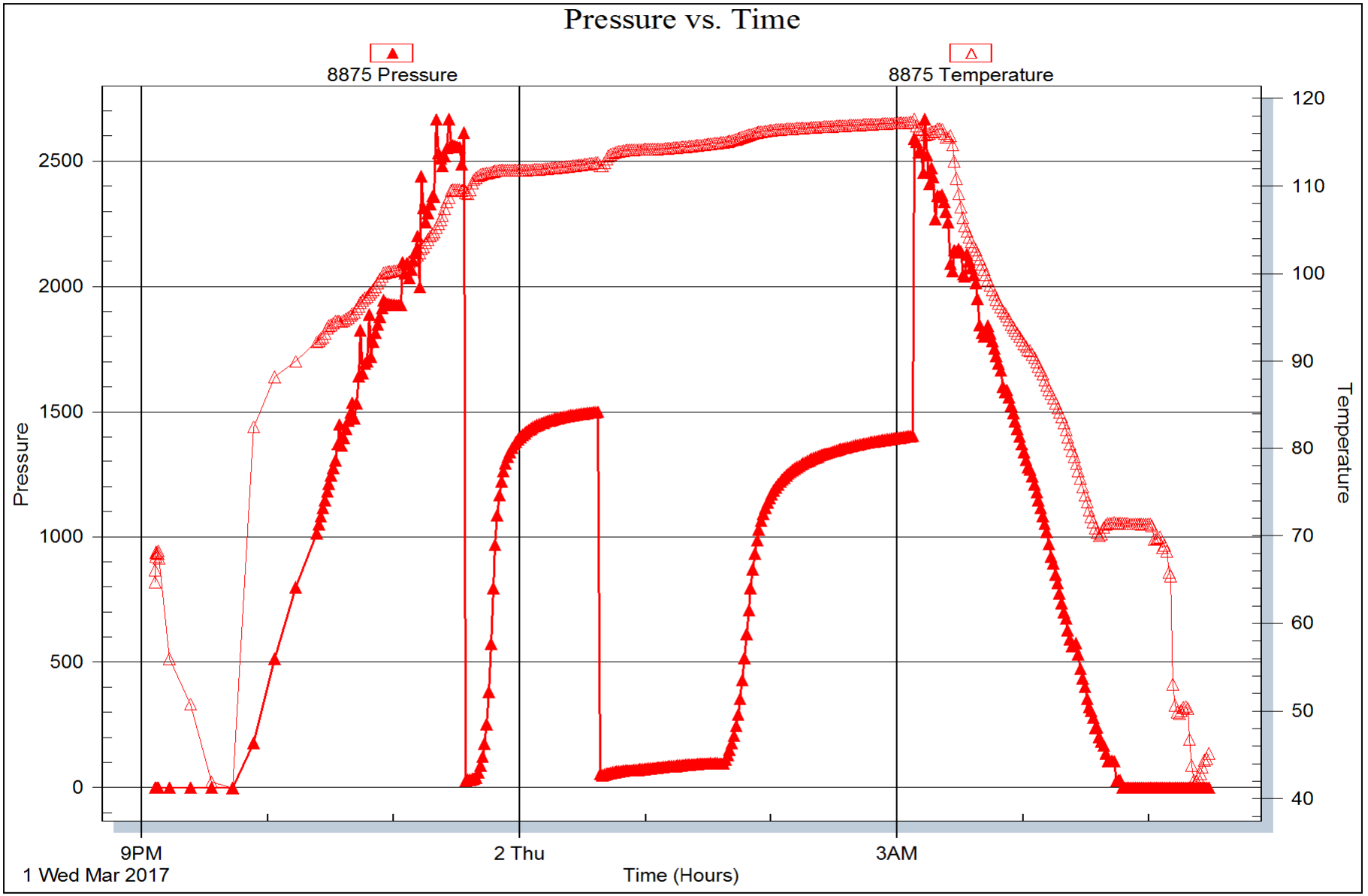
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8166 **Outside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 65667 Printed: 2017.03.06 @ 09:52:08

Serial #: 8875 **Inside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 3



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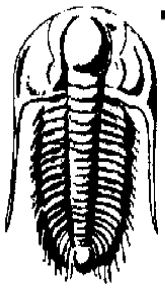


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

Reed Trust A #1-36

36-28s-29w Gray,KS

Start Date: 2017.03.02 @ 16:25:54

End Date: 2017.03.03 @ 00:50:54

Job Ticket #: 65668 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.03.06 @ 09:51:33

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65668 **DST#: 4**

Test Start: 2017.03.02 @ 16:25:54

GENERAL INFORMATION:

Formation: **St. Louis D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:48:24
Time Test Ended: 00:50:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 5245.00 ft (KB) To 5280.00 ft (KB) (TVD)
Total Depth: 5280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

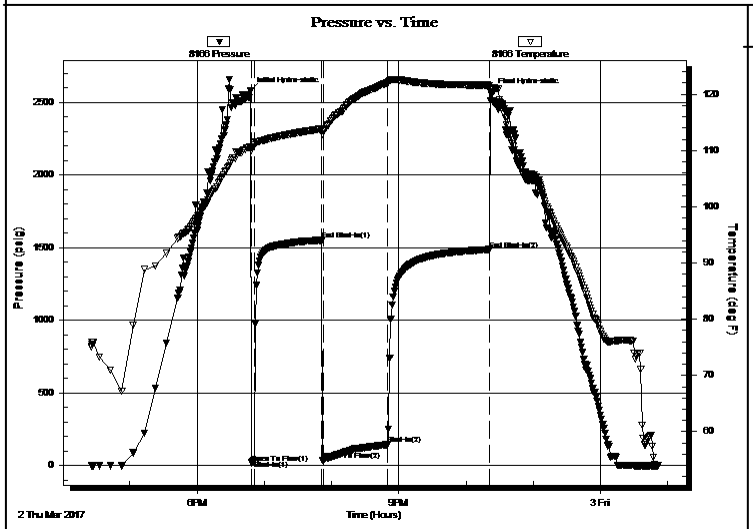
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**

Press@RunDepth: 143.65 psig @ 5246.00 ft (KB)
Start Date: 2017.03.02 End Date: 2017.03.03
Start Time: 16:25:59 End Time: 00:50:53

Capacity: 8000.00 psig
Last Calib.: 2017.03.03
Time On Btm: 2017.03.02 @ 18:47:54
Time Off Btm: 2017.03.02 @ 22:22:24

TEST COMMENT: IF: Surface blow built to 1"
IS: No return.
FF: Surface blow built to 8"
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2577.87	110.69	Initial Hydro-static
1	17.41	109.92	Open To Flow (1)
3	32.96	110.97	Shut-In(1)
64	1550.65	113.86	End Shut-In(1)
65	32.98	113.59	Open To Flow (2)
122	143.65	122.07	Shut-In(2)
213	1487.52	121.60	End Shut-In(2)
215	2564.97	120.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 90%w 10%m	0.61
155.00	mw 50%w 50%m	1.33

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65668 **DST#: 4**

Test Start: 2017.03.02 @ 16:25:54

GENERAL INFORMATION:

Formation: **St. Louis D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:48:24
Time Test Ended: 00:50:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 5245.00 ft (KB) To 5280.00 ft (KB) (TVD)
Total Depth: 5280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

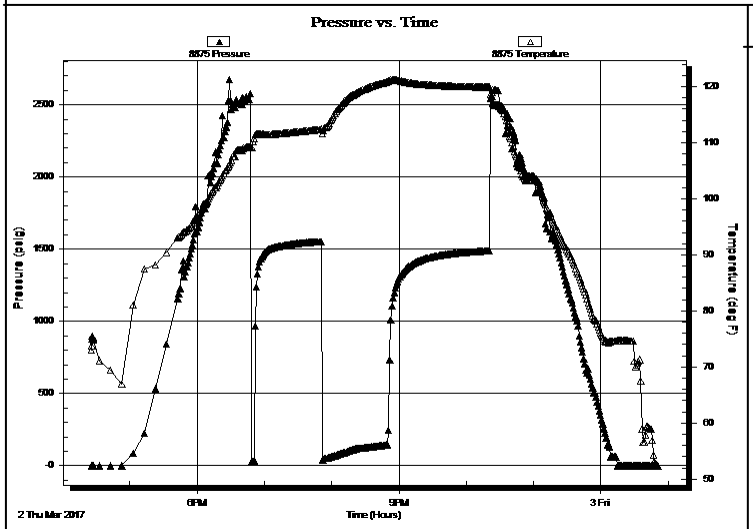
Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: psig @ 5246.00 ft (KB)
Start Date: 2017.03.02 End Date: 2017.03.03
Start Time: 16:25:56 End Time: 00:50:50

Capacity: 8000.00 psig
Last Calib.: 2017.03.03
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Surface blow built to 1"
IS: No return.
FF: Surface blow built to 8"
FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 90%w 10%m	0.61
155.00	mw 50%w 50%m	1.33

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65668 **DST#: 4**

Test Start: 2017.03.02 @ 16:25:54

Tool Information

Drill Pipe:	Length:	5032.00 ft	Diameter:	3.80 inches	Volume:	70.59 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25 inches	Volume:	1.07 bbl	
					Total Volume:	71.66 bbl	

Drill Pipe Above KB:	31.00 ft
Depth to Top Packer:	5245.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	35.00 ft
Tool Length:	62.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		95000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	84000.00 lb
	Final	84000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			5219.00		
Shut In Tool	5.00			5224.00		
Hydraulic tool	5.00			5229.00		
Jars	5.00			5234.00		
Safety Joint	2.00			5236.00		
Packer	5.00			5241.00	27.00	Bottom Of Top Packer
Packer	4.00			5245.00		
Stubb	1.00			5246.00		
Recorder	0.00	8875	Inside	5246.00		
Recorder	0.00	8166	Outside	5246.00		
Perforations	29.00			5275.00		
Bullnose	5.00			5280.00	35.00	Bottom Packers & Anchor
Total Tool Length:	**62.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

9342 E. Central
Wichita, KS 67206

ATTN: Zach Wiele

36-28s-29w Gray,KS

Reed Trust A #1-36

Job Ticket: 65668 **DST#: 4**

Test Start: 2017.03.02 @ 16:25:54

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	64000 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2450.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw 90%w 10%m	0.610
155.00	mw 50%w 50%m	1.327

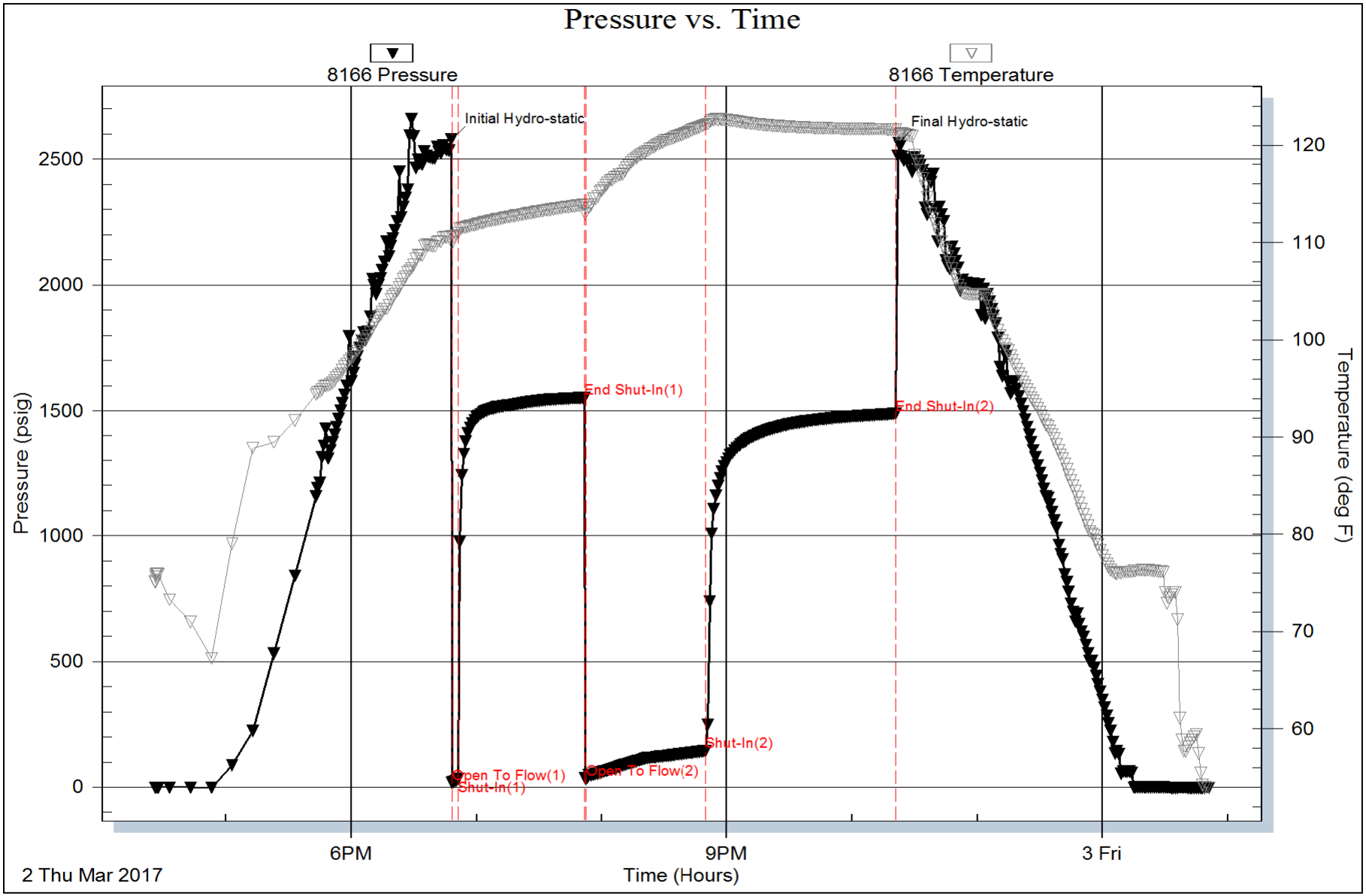
Total Length: 279.00 ft Total Volume: 1.937 bbl

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

Laboratory Name: Laboratory Location:

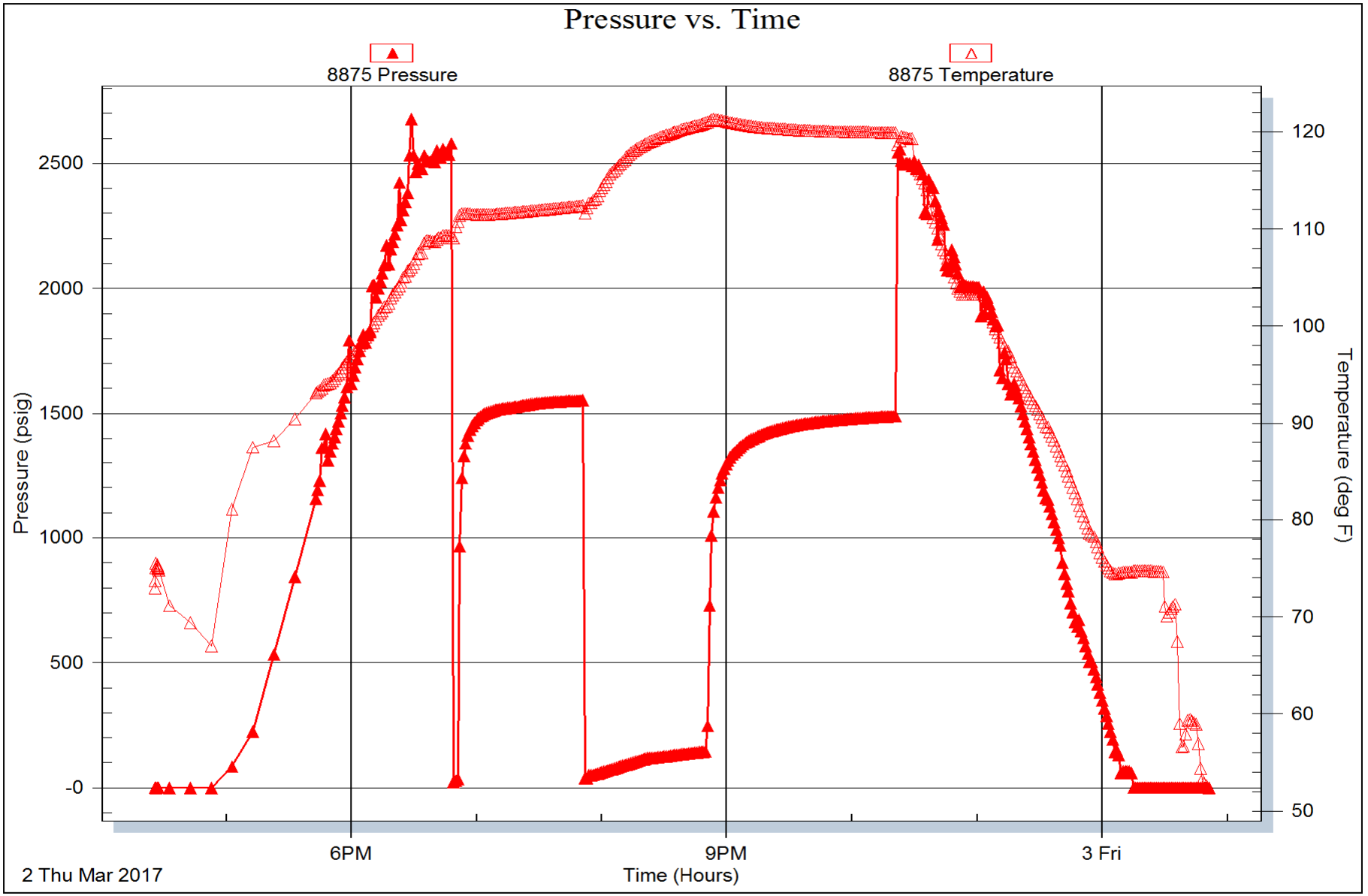
Recovery Comments: .25@34=64000

Serial #: 8166 **Outside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 65668 Printed: 2017.03.06 @ 09:51:34

Serial #: 8875 **Inside** McCoy Petroleum Corp. Reed Trust A #1-36 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 65668 Printed: 2017.03.06 @ 09:51:34

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 65665

Well Name & No. Reed Trust A 1-36 Test No. 1 Date 2-28-17

Company McCoy Petroleum Corp. Elevation 2780 KB 2769 GL

Address 9342 E. Central Wichita, KS 67206

Co. Rep / Geo. Zach Wiele Rig Sterling #4

Location: Sec. 36 Twp. 28 Rge. 29 Co. Gray State KS

Interval Tested 4880 4910 Zone Tested Pawnee

Anchor Length 30 Drill Pipe Run 4649 Mud Wt. 9.2

Top Packer Depth 4875 Drill Collars Run 217 Vis 56

Bottom Packer Depth 4880 Wt. Pipe Run — WL 6.4

Total Depth 4910 Chlorides 3500 ppm System LCM 2

Blow Description IF: 1/4 blow died to surface,
ES: No return.
FF: Surface blow built to 1/4 in 6s.
FS: No return.

Rec 20	Feet of mud	%gas	%oil	%water 100	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 20 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2561	☑ Test	1150	T-On Location	00:00
(B) First Initial Flow	17	☑ Jars	250	T-Started	2:00
(C) First Final Flow	23	☑ Safety Joint	75	T-Open	4:22
(D) Initial Shut-In	1238	☑ Circ Sub	N/C	T-Pulled	7:37
(E) Second Initial Flow	25	☐ Hourly Standby		T-Out	9:48
(F) Second Final Flow	34	☑ Mileage	190 – 142.50	Comments	out of town pay,
(G) Final Shut-In	1360	☐ Sampler			
(H) Final Hydrostatic	2510	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	15	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder		Sub Total	0
Final Flow	60	☐ Day Standby		Total	1617.50
Final Shut-In	90	☐ Accessibility		MP/DST Disc't	
		Sub Total	1617.50		

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.

TRILOBITE TESTING INC.

4/10

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65666

Well Name & No. Reed Trust A. 1-36 Test No. 2 Date 3-1-17

Company McCoy Petroleum corp Elevation 2780 KB 2769 GL

Address

Co. Rep / Geo. Zach Wicke Rig Sterling #4

Location: Sec. 36 Twp. 28 Rge. 29 Co. Gray State KS

Interval Tested 5170 5201 Zone Tested St. Louis

Anchor Length 31 Drill Pipe Run 4936 Mud Wt. 9.3

Top Packer Depth 5165 Drill Collars Run 217 Vis 58

Bottom Packer Depth 5170 Wt. Pipe Run — WL 7.6

Total Depth 5201 Chlorides 1850 ppm System LCM 2

Blow Description IF: BoB in 4 min.

IS: No return.

FF: BoB in 30 sec.

FS: surface blow died in 30 min.

Rec	20	Feet of	oil	%gas	100	%oil		%water	%mud
Rec	62	Feet of	gocm	%gas	10	%oil	10	%water	80 %mud
Rec	62	Feet of	mwcgo	%gas	40	%oil	30	%water	10 20 %mud
Rec		Feet of	2061 GIP	%gas		%oil		%water	%mud
Rec		Feet of		%gas		%oil		%water	%mud

Rec Total 144 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	2644	☑ Test	1250	T-On Location	00:50
(B) First Initial Flow	22	☑ Jars	250	T-Started	2:26
(C) First Final Flow	25	☑ Safety Joint	75	T-Open	4:58
(D) Initial Shut-In	1292	☑ Circ Sub	N/C	T-Pulled	8:33
(E) Second Initial Flow	34	☐ Hourly Standby		T-Out	11:05
(F) Second Final Flow	74	☑ Mileage	190 – 142.50	Comments	out of town pay
(G) Final Shut-In	1002	☐ Sampler			
(H) Final Hydrostatic	2532	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	5	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	60	☐ Extra Recorder		Sub Total	0
Final Flow	60	☐ Day Standby		Total	1717.50
Final Shut-In	90	☐ Accessibility		MP/DST Disc't	
		Sub Total	1717.50		

Approved By [signature] Our Representative [signature]

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 65667

Well Name & No. Reed Trust A 1-36 Test No. 3 Date 3-1-17

Company McCoy Petroleum Corp Elevation 2780 KB 2769 GL

Address

Co. Rep / Geo. Zach Wiele Rig Sterling #4

Location: Sec. 36 Twp. 28 Rge. 29 Co. Gray State KS

Interval Tested 5201 5245 Zone Tested St Louis

Anchor Length 44 Drill Pipe Run 4967 Mud Wt. 9.3

Top Packer Depth 5196 Drill Collars Run 217 Vis 59

Bottom Packer Depth 5201 Wt. Pipe Run — WL 6.8

Total Depth 5245 Chlorides 1800 ppm System LCM 3½

Blow Description IF: ¼ blow built to 3.

ISI: No return.

FF: BoB in 16 min.

FSI: Surface blow, built to 2.

Rec 2	Feet of Free oil	%gas	%oil 100	%water	%mud	
Rec 124	Feet of gocm	%gas 20	%oil 20	%water 60	%mud	
Rec 62	Feet of gocm	%gas 20	%oil 10	%water 70	%mud	
Rec	Feet of 883 GIP	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 188 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2683	☐ Test 1250	T-On Location 20:25	
(B) First Initial Flow 25	☑ Jars 250	T-Started 21:06	
(C) First Final Flow 36	☑ Safety Joint 75	T-Open 23:34	
(D) Initial Shut-In 1499	☑ Circ Sub NIL	T-Pulled 2:59	
(E) Second Initial Flow 47	☐ Hourly Standby	T-Out 5:30	
(F) Second Final Flow 93	☑ Mileage 190 - 142.50	Comments out of town pay.	
(G) Final Shut-In 1403	☐ Sampler		
(H) Final Hydrostatic 2576	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 5	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total	
Final Flow 60	☐ Day Standby	Total	
Final Shut-In 90	☐ Accessibility	MP/DST Disc't	
	Sub Total		

Approved By [signature] Our Representative [signature]

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 65668

Well Name & No. Reed Trust A 1-36 Test No. 4 Date 3-2-17

Company McCoy Petroleum Corp Elevation 2780 KB 2769 GL

Address

Co. Rep / Geo. Zach Wiele Rig Sterling #4

Location: Sec. 36 Twp. 28 Rge. 29 Co. Gray State KS

Interval Tested 5245 5280 Zone Tested St Louis D

Anchor Length 35 Drill Pipe Run 5032 Mud Wt. 9.3

Top Packer Depth 5240 Drill Collars Run 217 Vis 53

Bottom Packer Depth 5245 Wt. Pipe Run — WL 6.8

Total Depth 5280 Chlorides 2450 ppm System LCM 3

Blow Description IF: Surface blow built to 1.

FS: No return.

FF: Surface blow built to 8.

FS: No return.

Rec 155	Feet of MW	%gas	%oil 50	%water 50	%mud
Rec 124	Feet of MCW	%gas	%oil 90	%water 10	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 279 BHT 121 Gravity — API RW .25 @ 34 °F Chlorides 64,000 ppm

(A) Initial Hydrostatic	2577	☑ Test	1250	T-On Location	15:20
(B) First Initial Flow	17	☑ Jars	250	T-Started	16:25
(C) First Final Flow	32	☑ Safety Joint	75	T-Open	18:50
(D) Initial Shut-In	1550	☑ Circ Sub	N/C	T-Pulled	22:23
(E) Second Initial Flow	32	☐ Hourly Standby		T-Out	00:53
(F) Second Final Flow	143	☑ Mileage	190 - 285	Comments	Out of town pay
(G) Final Shut-In	1487	☐ Sampler			loaded 3/4 7:45
(H) Final Hydrostatic	2564	☐ Straddle		☐ Ruined Shale Packer	
		☐ Shale Packer		☐ Ruined Packer	
Initial Open	3	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	60	☐ Extra Recorder		Sub Total	0
Final Flow	60	☐ Day Standby		Total	1860
Final Shut-In	90	☐ Accessibility		MP/DST Disc't	
		Sub Total	1860		

Approved By Our Representative

Natural Gas • Crude Oil
Exploration & Production

McCOY PETROLEUM CORPORATION

Wichita, Kansas

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

Well Name:	Reed Trust 'A' #1-36		
API:	15-069-20498-00-00		
Location:	Sec. 36 - T28S - R29W		
License Number:	#5003	Region:	GRAY CO., KS
Spud Date:	02-22-2017	Drilling Completed:	03-03-2017 @ 4:21PM
Surface Coordinates:	C NE NE 660' FNL & 660' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2769'	K.B. Elevation (ft):	2780'
Logged Interval (ft):	Surface To: 5500'	Total Depth (ft):	5500'
Formation:	Mississippian		
Type of Drilling Fluid:	Chemical/Polymer/Gel		

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

OPERATOR

Company: McCoy Petroleum Corporation, KCC License #5003
Address: 9342 E Central
Wichita, KS 67206

GEOLOGIST

Name: Zach Wiele
Company: McCoy Petroleum Corporation
Address: 9342 E. Central
Wichita, KS 67206

Casing & Deviation Surveys:

Surface Casing:
Spud at 5:00 pm on 02/22/17. Drilled 12-1/4" to 1781'. Ran 43 joints of new 24#, 8-5/8" casing. Tallied 1763.75' with 1' GS. Set at 1776.05' KB. Welded straps on bottom 3 joints, tacked 2 others plus 5 top collars. Centralizers (3) on joints 1,3,5. Float insert in top of collar. SJ = 40.20'. Basket on top of #7. Cemented with 500 sks AMD Lite; 3% cc, 1/2# FS & tailed with 200 sks Class A with 2% CC & 1/4# FS. Cement did circulate.
Plug down at 9:15 am on 02/24/17. BJ Services Cementing ticket #LIB1702240920.

DRILL STEM TEST

DST #1 (4880' - 4910') 15"-30"-60"-90"
IF: 1/4 Blw died to surface IS: No return
FF:Surface blow built to 1/4 FS:No return
IH = 2561# FH = 2510#
IF = 17-26# FF = 24-34#
ISIP = 1239# FSIP = 1360#
TEMP = 114 Deg F

DST #2 (5170' - 5201') 5"-60"-60"-90"
IF: BOB in 4 min. IS: No return.
FF: BOB in 30 sec. FS: Surface blw died in 30"
Rec: 2061' GIP, 20' 100% Oil, 62' gocm (10%g10%o80%m),62' mw cgo (40%g30%o10%w20%)m
IH = 2645# FH = 2533#
IF = 23-34# FF = 25-74#
ISIP = 1292# FSIP = 1003#
TEMP = 120 Deg F

DST #3 (5201' - 5245') 5" - 60" - 60" - 90"
IF: 1/4 blw blt to 3 IS: No Return
FF: BOB in 16" FS: Surface blw blt to 2
Rec: 833' GIP, 188' TF, 2' free oil (100%o),124' gocm (20%g,20%o,60%m), 62' gocm (20%g,10%o,70%m)
IH = 2683# FH = 2576#
IF = 25-48# FF = 37-94#
ISIP = 1500# FSIP = 1403#
TEMP = 119 Deg F

DST #4 (5245'-5280') 3"-60"-60"-90"
IF: Surface Blw 1" IS: No Return
FF: Surface Blw Built to 8" FS: No Return
Rec: 155' mw (50%w50%m), 124' mcw (90%w10%m)
IH = 2578# FH = 2565#
IF = 17-33# FF = 33-144#
ISIP = 1551# FSIP = 1488#
TEMP = 121 Deg F

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

McCoy Petroleum Corp.

9342 E. Central
Wichita, Ks 67206

ATTN: Zach Wiele

36-28-29 Gray, Ks

Reed Trust A 1-36

Job Ticket: 65995 **DST#: 1**

Test Start: 2017.02.28 @ 02:00:50

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:23:50
Time Test Ended: 09:47:49

Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79

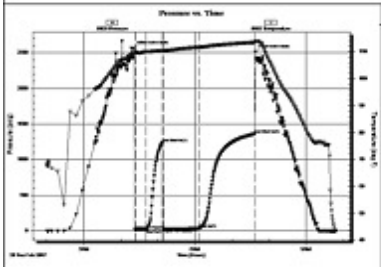
Interval: 4880.00 ft (KB) To 4910.00 ft (KB) (TVD)
Total Depth: 4910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**
Press@RunDepth: 34.45 psig @ 4881.00 ft (KB)
Start Date: 2017.02.28 End Date: 2017.02.28
Start Time: 02:00:55 End Time: 09:47:49

Capacity: 8000.00 psig
Last Calib.: 2017.02.28
Time On Btm: 2017.02.28 @ 04:20:50
Time Off Btm: 2017.02.28 @ 07:37:50

TEST COMMENT: IF: 1/4 blow died to surface.
IS: No return.
FF: Surface blow built to 1/4.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2561.03	109.57	Initial Hydro-static
3	17.49	109.80	Open To Flow (1)
20	23.73	110.01	Shut-In(1)
47	1238.89	110.45	End Shut-In(1)
48	25.93	110.36	Open To Flow (2)
106	34.45	111.66	Shut-In(2)
195	1360.42	113.48	End Shut-In(2)
197	2510.24	113.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100%m	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

McCoy Petroleum Corp.

9342 E. Central
Wichita, Ks 67206

ATTN: Zach Wiele

36-28-29 Gray, Ks

Reed Trust A 1-36

Job Ticket: 65996 **DST#: 2**

Test Start: 2017.03.01 @ 02:26:43

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:56:13
Time Test Ended: 11:06:13

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

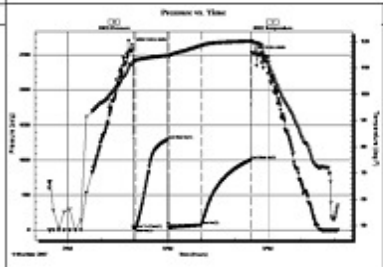
Interval: 5170.00 ft (KB) To 5201.00 ft (KB) (TVD)
Total Depth: 5201.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**
Press@RunDepth: 74.31 psig @ 5171.00 ft (KB)
Start Date: 2017.03.01 End Date: 2017.03.01
Start Time: 02:26:48 End Time: 11:06:13

Capacity: 8000.00 psig
Last Calib.: 2017.03.01
Time On Btm: 2017.03.01 @ 04:56:13
Time Off Btm: 2017.03.01 @ 08:30:43

TEST COMMENT: IF: BOB in 4 min.
IS: No return.
FF: BOB in 30 sec.
FS: Surface blow died in 30 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2644.57	111.17	Initial Hydro-static
2	22.87	112.18	Open To Flow (1)
7	25.29	112.85	Shut-In(1)
64	1282.47	114.71	End Shut-In(1)
65	34.22	114.34	Open To Flow (2)
125	74.31	118.47	Shut-In(2)
213	1002.82	120.17	End Shut-In(2)
215	2532.93	120.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mw cgo 40%g 30%o 10%w 20%m	0.30
62.00	gocm 10%g 10%o 80%m	0.30
20.00	oil 100%o	0.10
0.00	2061 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

McCoy Petroleum Corp.

9342 E. Central
Wichita, Ks 67206

ATTN: Zach Wiele

36-28-29 Gray, Ks

Reed Trust A 1-36

Job Ticket: 65997 **DST#: 3**

Test Start: 2017.03.01 @ 21:06:45

GENERAL INFORMATION:

Formation: **St Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:34:45
Time Test Ended: 05:29:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

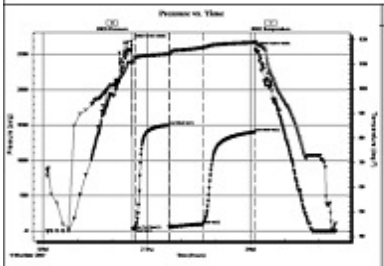
Interval: 5201.00 ft (KB) To 5245.00 ft (KB) (TVD)
Total Depth: 5245.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**
Press@RunDepth: 93.85 psig @ 5202.00 ft (KB)
Start Date: 2017.03.01 End Date: 2017.03.02
Start Time: 21:06:50 End Time: 05:29:14

Capacity: 8000.00 psig
Last Calib.: 2017.03.02
Time On Btm: 2017.03.01 @ 23:33:15
Time Off Btm: 2017.03.02 @ 03:09:45

TEST COMMENT: IF: 1/4 blow built to 3.
IS: No return.
FF: BOB in 16 min.
FS: Surface blow built to 2.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2663.13	110.73	Initial Hydro-static
2	25.32	110.26	Open To Flow (1)
7	36.83	112.52	Shut-In(1)
65	1499.52	114.15	End Shut-In(1)
67	47.78	113.73	Open To Flow (2)
125	93.85	116.70	Shut-In(2)
215	1403.45	118.81	End Shut-In(2)
217	2576.05	118.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gocm 20%g 10%o 70%m	0.30
124.00	gocm 20%g 20%o 60%m	0.61
2.00	free oil 100%o	0.01
0.00	883 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

McCoy Petroleum Corp.

9342 E. Central
Wichita, Ks 67206

ATTN: Zach Wiele

36-28-29 Gray, Ks

Reed Trust A 1-36

Job Ticket: 65998 **DST#: 4**

Test Start: 2017.03.02 @ 16:25:54

GENERAL INFORMATION:

Formation: **St. Louis D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:48:24
Time Test Ended: 00:50:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

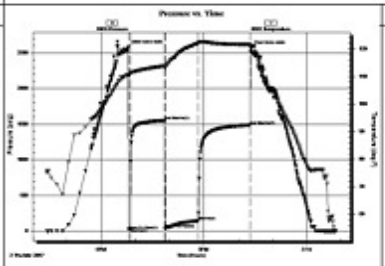
Interval: 5245.00 ft (KB) To 5280.00 ft (KB) (TVD)
Total Depth: 5280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2780.00 ft (KB)
2769.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8166 **Outside**
Press@RunDepth: 143.65 psig @ 5246.00 ft (KB)
Start Date: 2017.03.02 End Date: 2017.03.03
Start Time: 16:25:59 End Time: 00:50:53

Capacity: 8000.00 psig
Last Calib.: 2017.03.03
Time On Btm: 2017.03.02 @ 18:47:54
Time Off Btm: 2017.03.02 @ 22:22:24

TEST COMMENT: IF: Surface blow built to 1.
IS: No return.
FF: Surface blow built to 8.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2577.87	110.69	Initial Hydro-static
1	17.41	109.92	Open To Flow (1)
3	32.98	110.97	Shut-In(1)
64	1550.65	113.86	End Shut-In(1)
65	32.98	113.59	Open To Flow (2)
122	143.65	122.07	Shut-In(2)
213	1467.52	121.60	End Shut-In(2)
215	2564.97	120.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 90%w 10%m	0.61
155.00	mw 50%w 50%m	1.33

* Recovery from multiple tests

Gas Rates

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

ROCK TYPES

LITHOLOGY

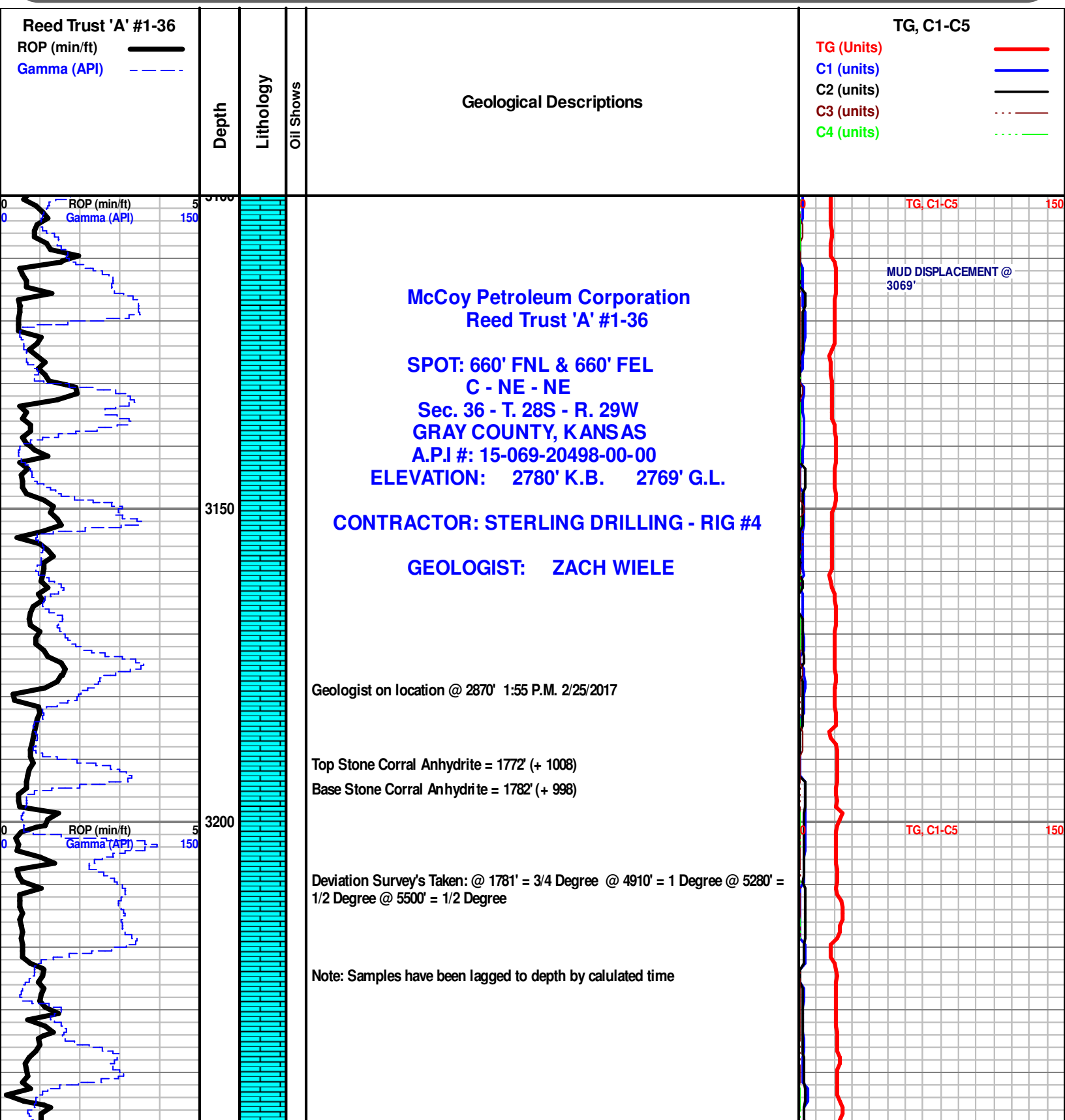
- Chr-grn sh
- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Dol
- Gyp
- Igne
- Lmst
- Mrlst
- Salt
- Shale
- Shcol
- Shgy
- Sltst
- Ss
- Congl
- Carb sh
- Grn sh
- Redbrn sh
- Gry sh

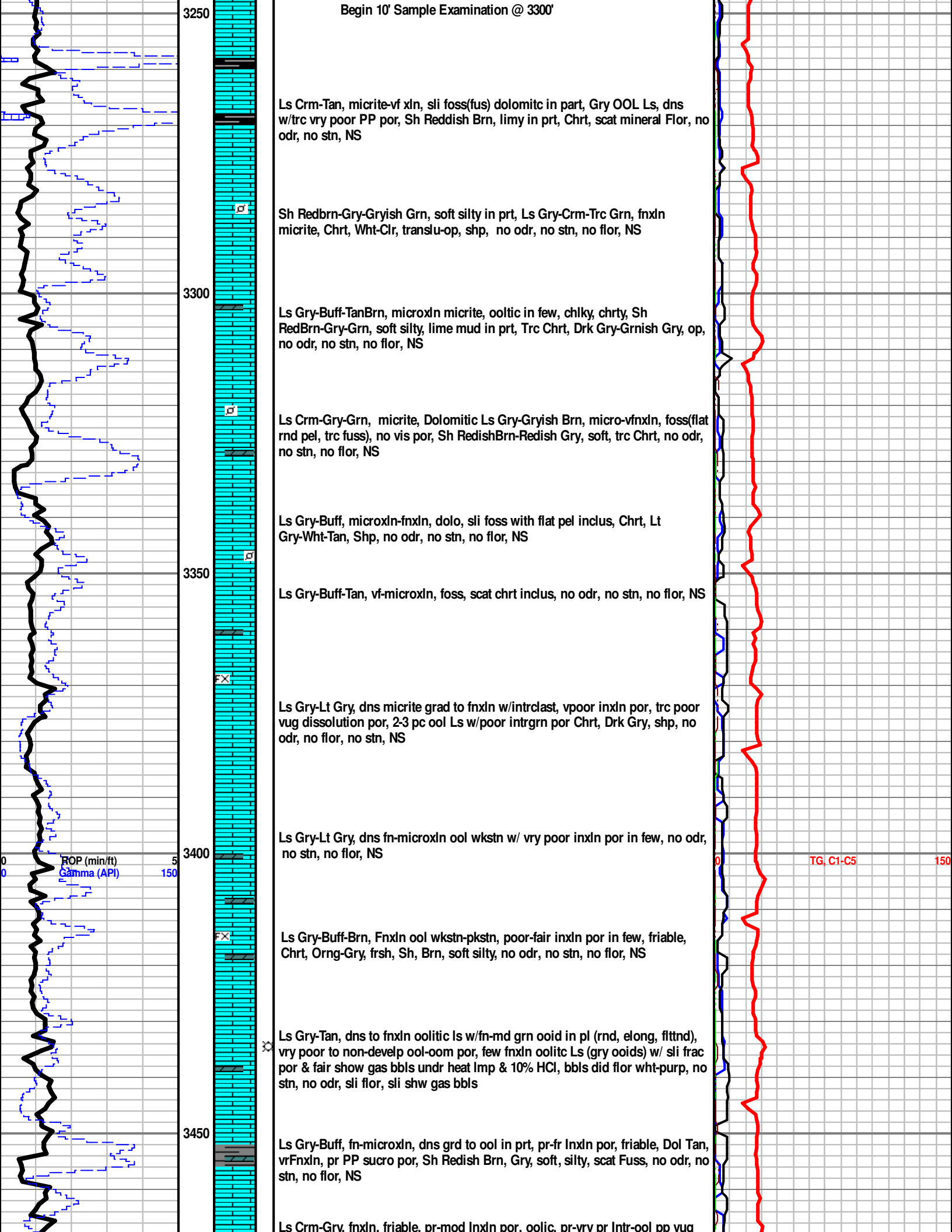
TEXTURE

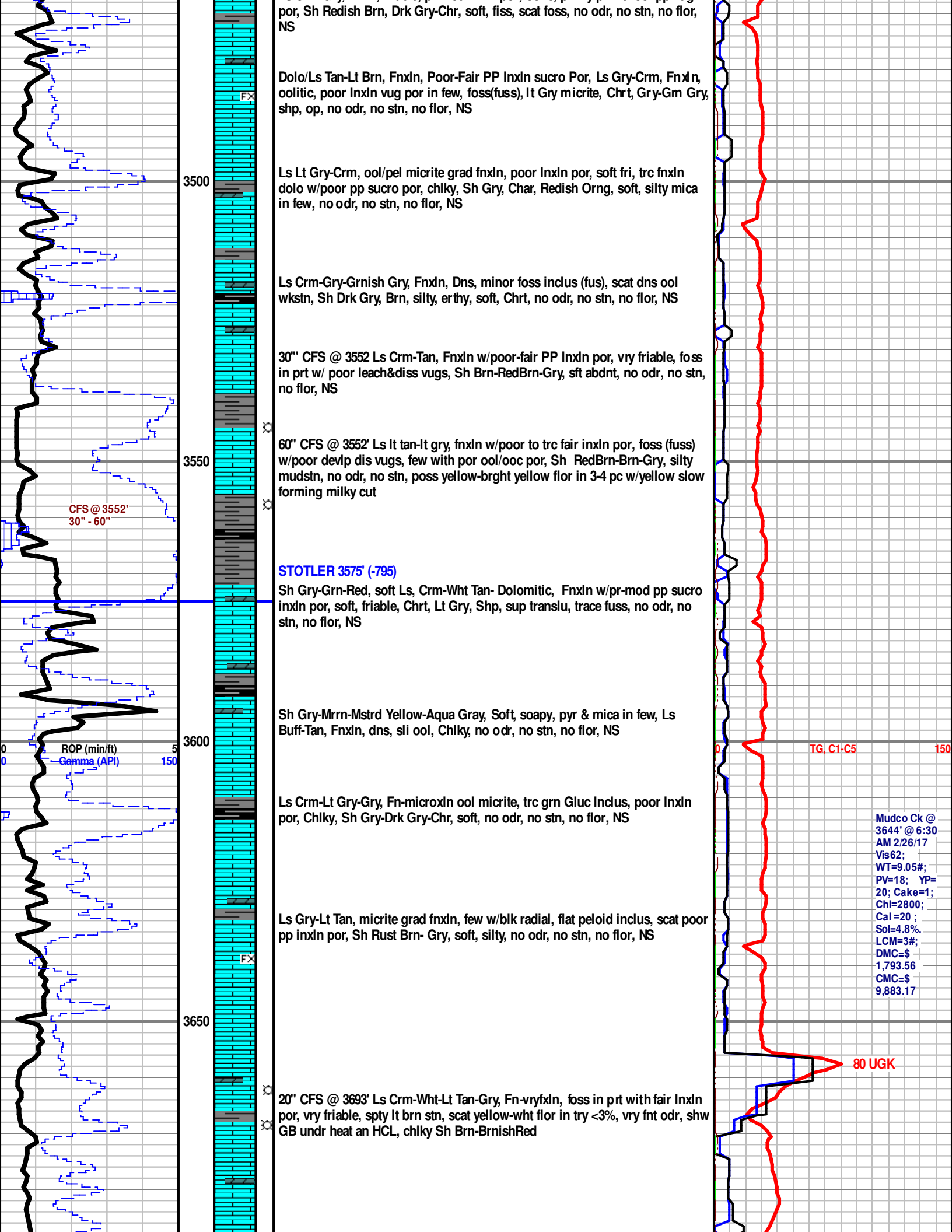
- BS Boundst
- C Chalky
- CX Cryxln
- E Earthy
- FX Finexln
- GS Grainst
- L Lithogr
- MX Microxln
- MS Mudst
- PS Packst
- WS Wackest

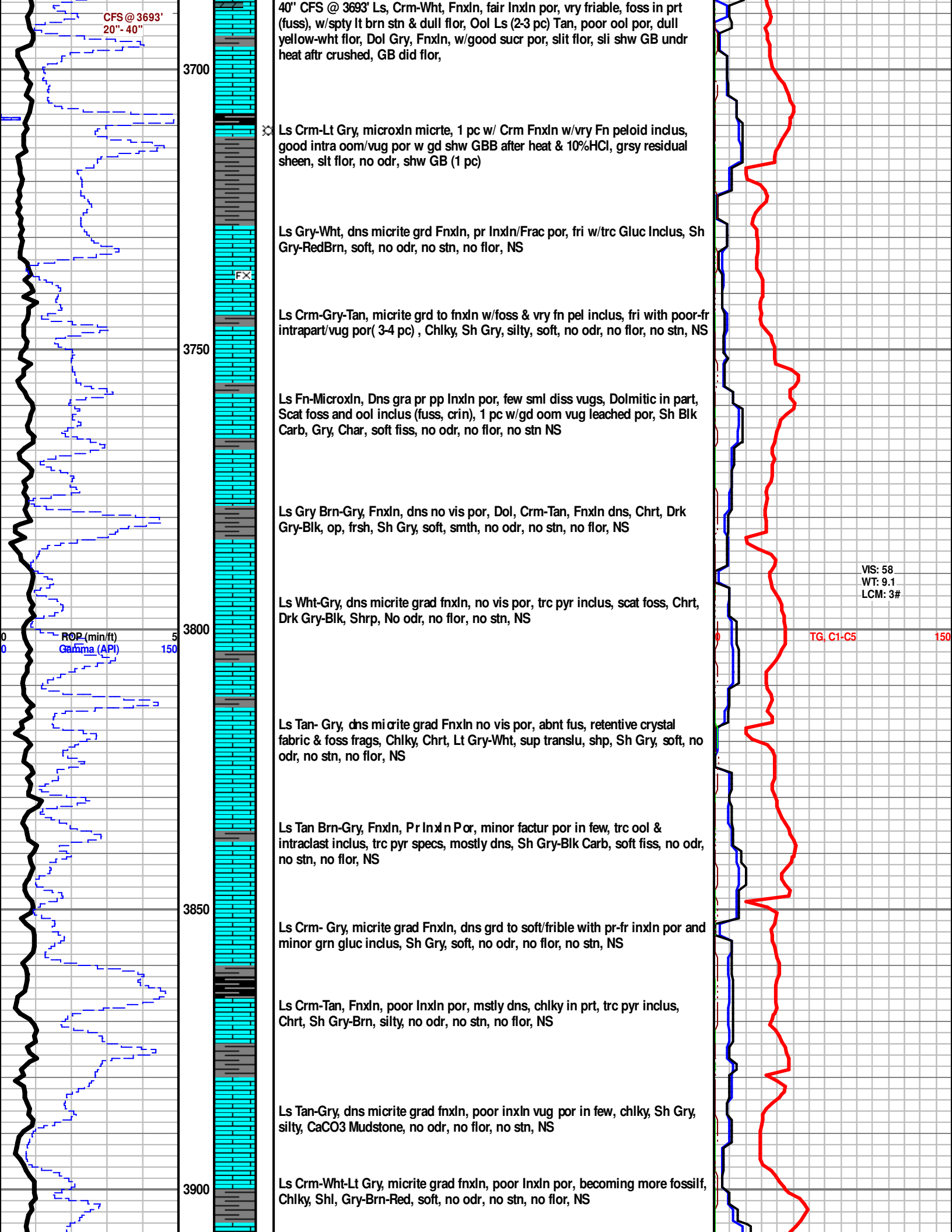
OIL SHOW

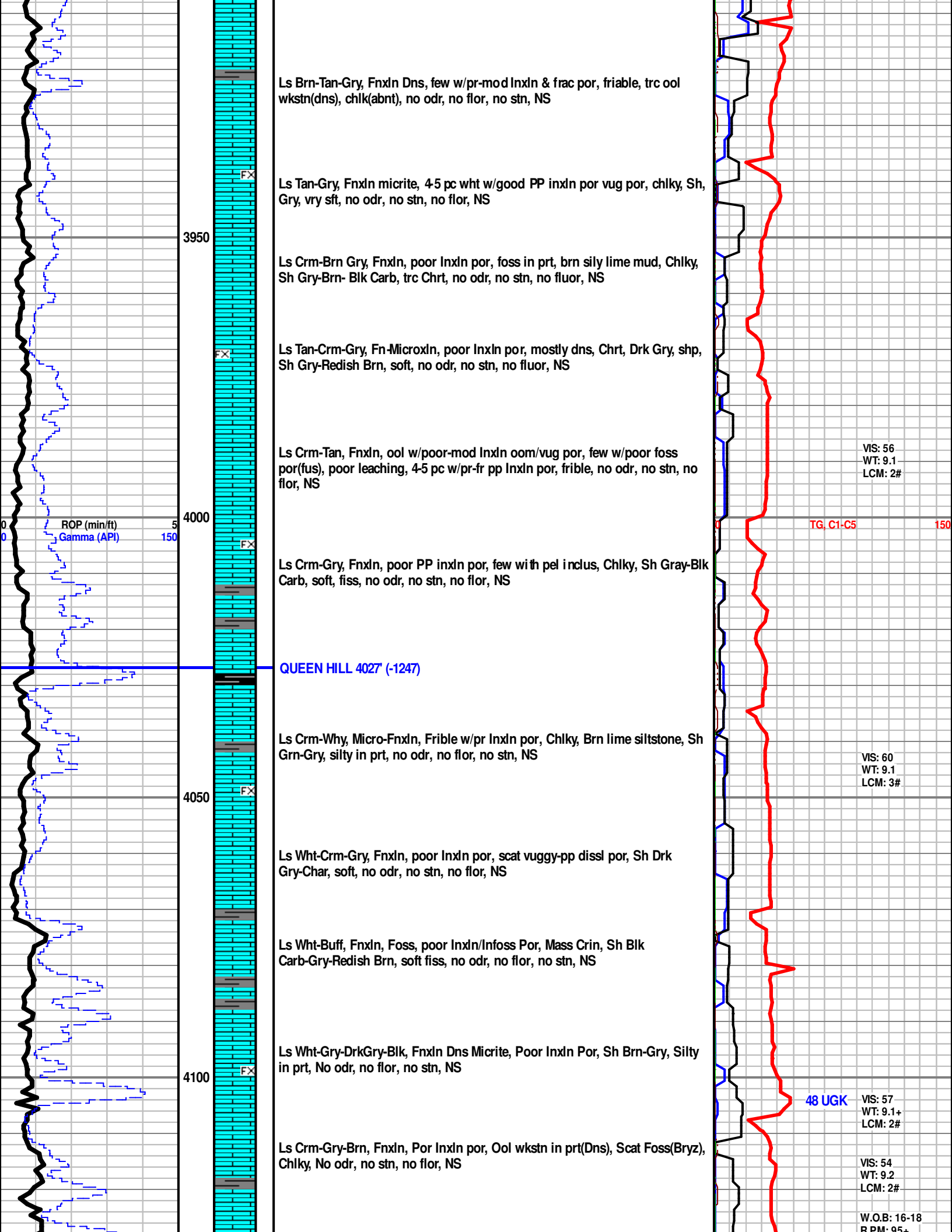
- Even
- Spotted
- Ques
- Gas
- D Dead

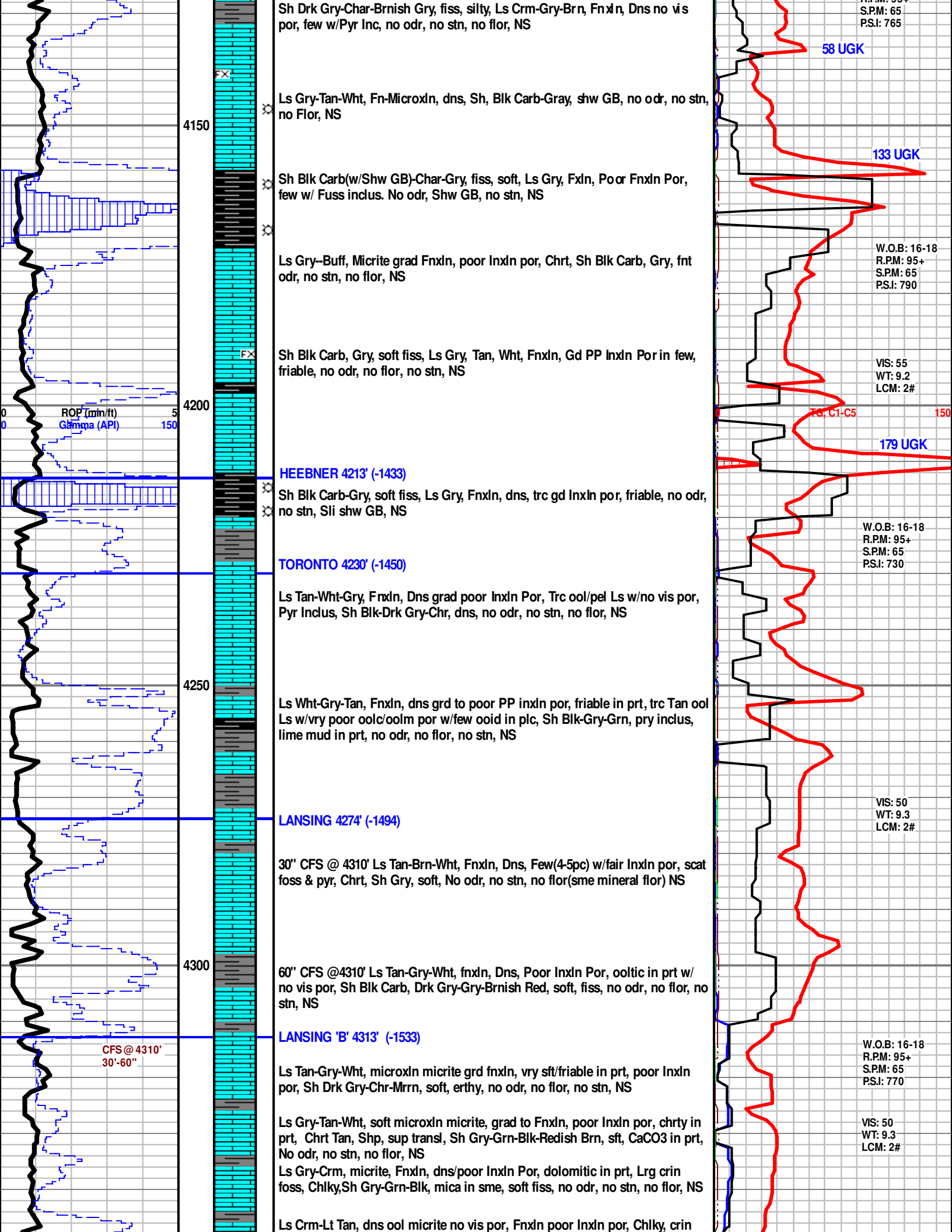


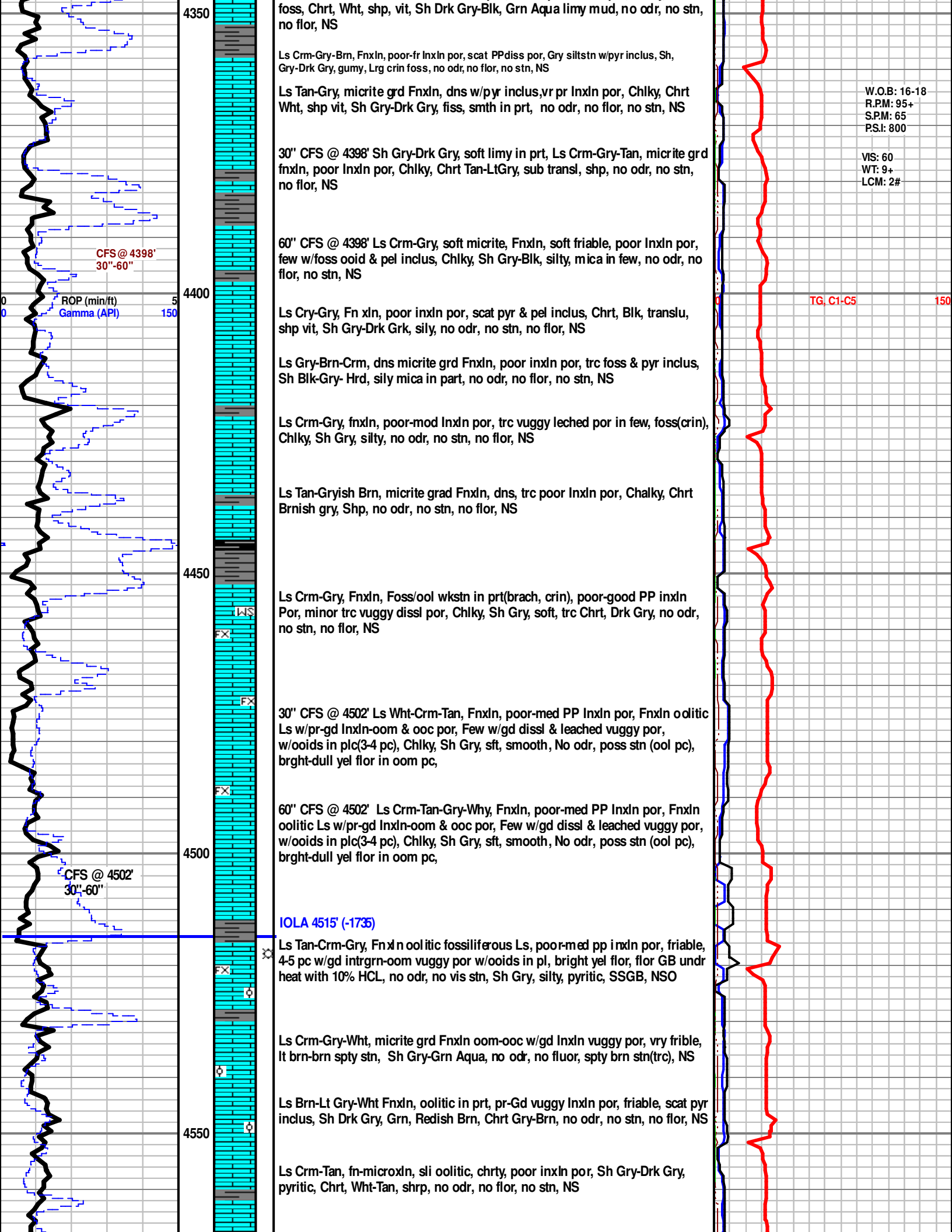

Begin 10' Sample Examination @ 3300'
Ls Crm-Tan, micrite-vf xln, sli foss(fus) dolomitc in part, Gry OOL Ls, dns w/trc vry poor PP por, Sh Reddish Brn, limy in prt, Chrt, scat mineral Flor, no odr, no stn, NS
Sh Redbrn-Gry-Gryish Grn, soft silty in prt, Ls Gry-Crm-Trc Grn, fnxln micrite, Chrt, Wht-Clr, translu-op, shp, no odr, no stn, no flor, NS
Ls Gry-Buff-TanBrn, microxln micrite, ooltic in few, chlky, chrty, Sh RedBrn-Gry-Grn, soft silty, lime mud in prt, Trc Chrt, Drk Gry-Grnish Gry, op, no odr, no stn, no flor, NS
Ls Crm-Gry-Grn, micrite, Dolomitic Ls Gry-Gryish Brn, micro-vfnxln, foss(flat rnd pel, trc fuss), no vis por, Sh RedishBrn-Redish Gry, soft, trc Chrt, no odr, no stn, no flor, NS
Ls Gry-Buff, microxln-fnxln, dolo, sli foss with flat pel inclus, Chrt, Lt Gry-Wht-Tan, Shp, no odr, no stn, no flor, NS
Ls Gry-Buff-Tan, vf-microxln, foss, scat chrt inclus, no odr, no stn, no flor, NS
Ls Gry-Lt Gry, dns micrite grad to fnxln w/intrclast, vpoor inxln por, trc poor vug dissolution por, 2-3 pc ool Ls w/poor intrgrn por Chrt, Drk Gry, shp, no odr, no flor, no stn, NS
Ls Gry-Lt Gry, dns fn-microxln ool wkstn w/ vry poor inxln por in few, no odr, no stn, no flor, NS
Ls Gry-Buff-Brn, Fnxln ool wkstn-pkstn, poor-fair inxln por in few, friable, Chrt, Orng-Gry, frsh, Sh, Brn, soft silty, no odr, no stn, no flor, NS
Ls Gry-Tan, dns to fnxln oolitic ls w/fn-md grn ooid in pl (rnd, elong, flttnd), vry poor to non-develp ool-oom por, few fnxln oolitc Ls (gry ooids) w/ sli frac por & fair show gas bbls undr heat lmp & 10% HCl, bbls did flor wht-purp, no stn, no odr, sli flor, sli shw gas bbls
Ls Gry-Buff, fn-microxln, dns grd to ool in prt, pr-fr lnxln por, friable, Dol Tan, vrFnxln, pr PP sucro por, Sh Redish Brn, Gry, soft, silty, scat Fuss, no odr, no stn, no flor, NS
Ls Crm-Gry, fnxln, friable, pr-mod lnxln por, oolic, pr-vry pr Intr-ool pp vug
3250
3300
3350
3400
3450
0
ROP (min/ft)
5
0
Gamma (API)
150
0
TG, C1-C5
150


por, Sh Redish Brn, Drk Gry-Chr, soft, fiss, scat foss, no odr, no stn, no flor, NS
Dolo/Ls Tan-Lt Brn, Fnxln, Poor-Fair PP Inxln sucro Por, Ls Gry-Crm, Fnxln, oolitic, poor Inxln vug por in few, foss(fuss), lt Gry micrite, Chrt, Gry-Grn Gry, shp, op, no odr, no stn, no flor, NS
3500
Ls Lt Gry-Crm, ool/pel micrite grad fnxln, poor Inxln por, soft fri, trc fnxln dolo w/poor pp sucro por, chlky, Sh Gry, Char, Redish Orng, soft, silty mica in few, no odr, no stn, no flor, NS
Ls Crm-Gry-Grnish Gry, Fnxln, Dns, minor foss inclus (fus), scat dns ool wkstn, Sh Drk Gry, Brn, silty, erthy, soft, Chrt, no odr, no stn, no flor, NS
30"' CFS @ 3552 Ls Crm-Tan, Fnxln w/poor-fair PP Inxln por, vry friable, foss in prt w/ poor leach&diss vugs, Sh Brn-RedBrn-Gry, sft abdnt, no odr, no stn, no flor, NS
3550
60" CFS @ 3552' Ls lt tan-lt gry, fnxln w/poor to trc fair inxln por, foss (fuss) w/poor devlp dis vugs, few with por ool/ooc por, Sh RedBrn-Brn-Gry, silty mudstn, no odr, no stn, poss yellow-brght yellow flor in 3-4 pc w/yellow slow forming milky cut
CFS @ 3552'
30" - 60"
STOTLER 3575' (-795)
Sh Gry-Grn-Red, soft Ls, Crm-Wht Tan- Dolomitic, Fnxln w/pr-mod pp sucro inxln por, soft, friable, Chrt, Lt Gry, Shp, sup translu, trace fuss, no odr, no stn, no flor, NS
Sh Gry-Mrrn-Mstrd Yellow-Aqua Gray, Soft, soapy, pyr & mica in few, Ls Buff-Tan, Fnxln, dns, sli ool, Chlky, no odr, no stn, no flor, NS
3600
ROP (min/ft)
Gamma (API)
TG, C1-C5
Ls Crm-Lt Gry-Gry, Fn-microxln ool micrite, trc grn Gluc Inclus, poor Inxln por, Chlky, Sh Gry-Drk Gry-Chr, soft, no odr, no stn, no flor, NS
Mudco Ck @ 3644' @ 6:30 AM 2/26/17 Vis62; WT=9.05#; PV=18; YP= 20; Cake=1; Chl=2800; Cal =20 ; Sol=4.8%. LCM=3#; DMC=$ 1,793.56 CMC=$ 9,883.17
Ls Gry-Lt Tan, micrite grad fnxln, few w/blk radial, flat peloid inclus, scat poor pp inxln por, Sh Rust Brn- Gry, soft, silty, no odr, no stn, no flor, NS
3650
80 UGK
20" CFS @ 3693' Ls Crm-Wht-Lt Tan-Gry, Fn-vryfxln, foss in prt with fair Inxln por, vry friable, spty lt brn stn, scat yellow-wht flor in try <3%, vry fnt odr, shw GB undr heat an HCL, chlky Sh Brn-BrnishRed


CFS @ 3693'
20"- 40"
3700
3750
3800
3850
3900
ROP (min/ft)
Gamma (API)
0
150
5
TG, C1-C5
150
VIS: 58
WT: 9.1
LCM: 3#
40" CFS @ 3693' Ls, Crm-Wht, Fnxln, fair Inxln por, vry friable, foss in prt (fuss), w/spty lt brn stn & dull flor, Ool Ls (2-3 pc) Tan, poor ool por, dull yellow-wht flor, Dol Gry, Fnxln, w/good sucr por, slit flor, sli shw GB undr heat aftr crushed, GB did flor,
Ls Crm-Lt Gry, microxln micrte, 1 pc w/ Crm Fnxln w/vry Fn peloid inclus, good intra oom/vug por w gd shw GBB after heat & 10%HCl, grsy residual sheen, slt flor, no odr, shw GB (1 pc)
Ls Gry-Wht, dns micrite grd Fnxln, pr Inxln/Frac por, fri w/trc Gluc Inclus, Sh Gry-RedBrn, soft, no odr, no stn, no flor, NS
FX
Ls Crm-Gry-Tan, micrite grd to fnxln w/foss & vry fn pel inclus, fri with poor-fr intrapart/vug por(3-4 pc) , Chlky, Sh Gry, silty, soft, no odr, no flor, no stn, NS
Ls Fn-Microxln, Dns gra pr pp Inxln por, few sml diss vugs, Dolmitic in part, Scat foss and ool inclus (fuss, crin), 1 pc w/gd oom vug leached por, Sh Blk Carb, Gry, Char, soft fiss, no odr, no flor, no stn NS
Ls Gry Brn-Gry, Fnxln, dns no vis por, Dol, Crm-Tan, Fnxln dns, Chrt, Drk Gry-Blk, op, frsh, Sh Gry, soft, smth, no odr, no stn, no flor, NS
Ls Wht-Gry, dns micrite grad fnxln, no vis por, trc pyr inclus, scat foss, Chrt, Drk Gry-Blk, Shrp, No odr, no flor, no stn, NS
Ls Tan- Gry, dns micrite grad Fnxln no vis por, abnt fus, retentive crystal fabric & foss frags, Chlky, Chrt, Lt Gry-Wht, sup translu, shp, Sh Gry, soft, no odr, no stn, no flor, NS
Ls Tan Brn-Gry, Fnxln, Pr Inxln Por, minor factur por in few, trc ool & intraclast inclus, trc pyr specs, mostly dns, Sh Gry-Blk Carb, soft fiss, no odr, no stn, no flor, NS
Ls Crm- Gry, micrite grad Fnxln, dns grd to soft/frible with pr-fr inxln por and minor grn gluc inclus, Sh Gry, soft, no odr, no flor, no stn, NS
Ls Crm-Tan, Fnxln, poor Inxln por, mstly dns, chlky in prt, trc pyr inclus, Chrt, Sh Gry-Brn, silty, no odr, no stn, no flor, NS
Ls Tan-Gry, dns micrite grad fnxln, poor inxln vug por in few, chlky, Sh Gry, silty, CaCO3 Mudstone, no odr, no flor, no stn, NS
Ls Crm-Wht-Lt Gry, micrite grad fnxln, poor Inxln por, becoming more fossilf, Chlky, Shl, Gry-Brn-Red, soft, no odr, no stn, no flor, NS


Ls Brn-Tan-Gry, Fnxln Dns, few w/pr-mod Inxln & frac por, friable, trc ool wkstn(dns), chlk(abnt), no odr, no flor, no stn, NS
Ls Tan-Gry, Fnxln micrite, 4-5 pc wht w/good PP inxln por vug por, chlky, Sh, Gry, vry sft, no odr, no stn, no flor, NS
3950
Ls Crm-Brn Gry, Fnxln, poor Inxln por, foss in prt, brn sily lime mud, Chlky, Sh Gry-Brn- Blk Carb, trc Chrt, no odr, no stn, no fluor, NS
Ls Tan-Crm-Gry, Fn-Microxln, poor Inxln por, mostly dns, Chrt, Drk Gry, shp, Sh Gry-Redish Brn, soft, no odr, no stn, no fluor, NS
Ls Crm-Tan, Fnxln, ool w/poor-mod Inxln oom/vug por, few w/poor foss por(fus), poor leaching, 4-5 pc w/pr-fr pp Inxln por, frible, no odr, no stn, no flor, NS
VIS: 56
WT: 9.1
LCM: 2#
4000
ROP (min/ft)
Gamma (API)
TG, C1-C5
Ls Crm-Gry, Fnxln, poor PP inxln por, few with pel inclus, Chlky, Sh Gray-Blk Carb, soft, fiss, no odr, no stn, no flor, NS
QUEEN HILL 4027' (-1247)
Ls Crm-Why, Micro-Fnxln, Frible w/pr Inxln por, Chlky, Brn lime siltstone, Sh Grn-Gry, silty in prt, no odr, no flor, no stn, NS
VIS: 60
WT: 9.1
LCM: 3#
4050
Ls Wht-Crm-Gry, Fnxln, poor Inxln por, scat vuggy-pp dissl por, Sh Drk Gry-Char, soft, no odr, no stn, no flor, NS
Ls Wht-Buff, Fnxln, Foss, poor Inxln/Infoss Por, Mass Crin, Sh Blk Carb-Gry-Redish Brn, soft fiss, no odr, no flor, no stn, NS
Ls Wht-Gry-DrkGry-Blk, Fnxln Dns Micrite, Poor Inxln Por, Sh Brn-Gry, Silty in prt, No odr, no flor, no stn, NS
4100
48 UGK
VIS: 57
WT: 9.1+
LCM: 2#
Ls Crm-Gry-Brn, Fnxln, Por Inxln por, Ool wkstn in prt(Dns), Scat Foss(Bryz), Chlky, No odr, no stn, no flor, NS
VIS: 54
WT: 9.2
LCM: 2#
W.O.B: 16-18
R.P.M: 95+


Sh Drk Gry-Char-Brnish Gry, fiss, silty, Ls Crm-Gry-Brn, Fnxln, Dns no vis por, few w/Pyr Inc, no odr, no stn, no flor, NS
S.P.M: 65
P.S.I: 765
58 UGK
Ls Gry-Tan-Wht, Fn-Microxln, dns, Sh, Blk Carb-Gray, shw GB, no odr, no stn, no Flor, NS
4150
133 UGK
Sh Blk Carb(w/Shw GB)-Char-Gry, fiss, soft, Ls Gry, Fxln, Poor Fnxln Por, few w/ Fuss inclus. No odr, Shw GB, no stn, NS
Ls Gry--Buff, Micrite grad Fnxln, poor Inxln por, Chrt, Sh Blk Carb, Gry, fnt odr, no stn, no flor, NS
W.O.B: 16-18
R.P.M: 95+
S.P.M: 65
P.S.I: 790
Sh Blk Carb, Gry, soft fiss, Ls Gry, Tan, Wht, Fnxln, Gd PP Inxln Por in few, friable, no odr, no flor, no stn, NS
VIS: 55
WT: 9.2
LCM: 2#
4200
ROP (min/ft)
Gamma (API)
TG, C1-C5
150
179 UGK
HEEBNER 4213' (-1433)
Sh Blk Carb-Gry, soft fiss, Ls Gry, Fnxln, dns, trc gd Inxln por, friable, no odr, no stn, Sli shw GB, NS
W.O.B: 16-18
R.P.M: 95+
S.P.M: 65
P.S.I: 730
TORONTO 4230' (-1450)
Ls Tan-Wht-Gry, Fnxln, Dns grad poor Inxln Por, Trc ool/pel Ls w/no vis por, Pyr Inclus, Sh Blk-Drk Gry-Chr, dns, no odr, no stn, no flor, NS
4250
Ls Wht-Gry-Tan, Fnxln, dns grd to poor PP inxln por, friable in prt, trc Tan ool Ls w/vry poor oolc/oolm por w/few ooid in plc, Sh Blk-Gry-Grn, pry inclus, lime mud in prt, no odr, no flor, no stn, NS
VIS: 50
WT: 9.3
LCM: 2#
LANSING 4274' (-1494)
30" CFS @ 4310' Ls Tan-Brn-Wht, Fnxln, Dns, Few(4-5pc) w/fair Inxln por, scat foss & pyr, Chrt, Sh Gry, soft, No odr, no stn, no flor(sme mineral flor) NS
4300
60" CFS @4310' Ls Tan-Gry-Wht, fnxln, Dns, Poor Inxln Por, ooltic in prt w/ no vis por, Sh Blk Carb, Drk Gry-Gry-Brnish Red, soft, fiss, no odr, no flor, no stn, NS
LANSING 'B' 4313' (-1533)
CFS @ 4310'
30'-60"
W.O.B: 16-18
R.P.M: 95+
S.P.M: 65
P.S.I: 770
Ls Tan-Gry-Wht, microxln micrite grd fnxln, vry sft/friable in prt, poor Inxln por, Sh Drk Gry-Chr-Mrrn, soft, erthy, no odr, no flor, no stn, NS
Ls Gry-Tan-Wht, soft microxln micrite, grad to Fnxln, poor Inxln por, chrty in prt, Chrt Tan, Shp, sup transl, Sh Gry-Grn-Blk-Redish Brn, sft, CaCO3 in prt, No odr, no stn, no flor, NS
VIS: 50
WT: 9.3
LCM: 2#
Ls Gry-Crm, micrite, Fnxln, dns/poor Inxln Por, dolomitic in prt, Lrg crin foss, Chlky,Sh Gry-Grn-Blk, mica in sme, soft fiss, no odr, no stn, no flor, NS
Ls Crm-Lt Tan, dns ool micrite no vis por, Fnxln poor Inxln por, Chlky, crin



foss, Chrt, Wht, shp, vit, Sh Drk Gry-Blk, Grn Aqua limy mud, no odr, no stn, no flor, NS

Ls Crm-Gry-Brn, Fnxln, poor-fr lnxln por, scat PPdiss por, Gry siltstn w/pyr inclus, Sh, Gry-Drk Gry, gumy, Lrg crin foss, no odr, no flor, no stn, NS

Ls Tan-Gry, micrite grd Fnxln, dns w/pyr inclus,vr pr lnxln por, Chlky, Chrt Wht, shp vit, Sh Gry-Drk Gry, fiss, smth in prt, no odr, no flor, no stn, NS

30" CFS @ 4398' Sh Gry-Drk Gry, soft limy in prt, Ls Crm-Gry-Tan, micrite grd fnxln, poor lnxln por, Chlky, Chrt Tan-LtGry, sub transl, shp, no odr, no stn, no flor, NS

60" CFS @ 4398' Ls Crm-Gry, soft micrite, Fnxln, soft friable, poor lnxln por, few w/foss ooid & pel inclus, Chlky, Sh Gry-Blk, silty, mica in few, no odr, no flor, no stn, NS

Ls Cry-Gry, Fn xln, poor inxln por, scat pyr & pel inclus, Chrt, Blk, translu, shp vit, Sh Gry-Drk Grk, sily, no odr, no stn, no flor, NS

Ls Gry-Brn-Crm, dns micrite grd Fnxln, poor inxln por, trc foss & pyr inclus, Sh Blk-Gry- Hrd, sily mica in part, no odr, no flor, no stn, NS

Ls Crm-Gry, fnxln, poor-mod lnxln por, trc vuggy leched por in few, foss(crin), Chlky, Sh Gry, silty, no odr, no stn, no flor, NS

Ls Tan-Gryish Brn, micrite grad Fnxln, dns, trc poor lnxln por, Chalky, Chrt Brnish gry, Shp, no odr, no stn, no flor, NS

Ls Crm-Gry, Fnxln, Foss/ool wkstn in prt(brach, crin), poor-good PP inxln Por, minor trc vuggy dissl por, Chlky, Sh Gry, soft, trc Chrt, Drk Gry, no odr, no stn, no flor, NS

30" CFS @ 4502' Ls Wht-Crm-Tan, Fnxln, poor-med PP lnxln por, Fnxln oolitic Ls w/pr-gd lnxln-oom & ooc por, Few w/gd dissl & leached vuggy por, w/ooids in plc(3-4 pc), Chlky, Sh Gry, sft, smooth, No odr, poss stn (ool pc), brght-dull yel flor in oom pc,

60" CFS @ 4502' Ls Crm-Tan-Gry-Why, Fnxln, poor-med PP lnxln por, Fnxln oolitic Ls w/pr-gd lnxln-oom & ooc por, Few w/gd dissl & leached vuggy por, w/ooids in plc(3-4 pc), Chlky, Sh Gry, sft, smooth, No odr, poss stn (ool pc), brght-dull yel flor in oom pc,

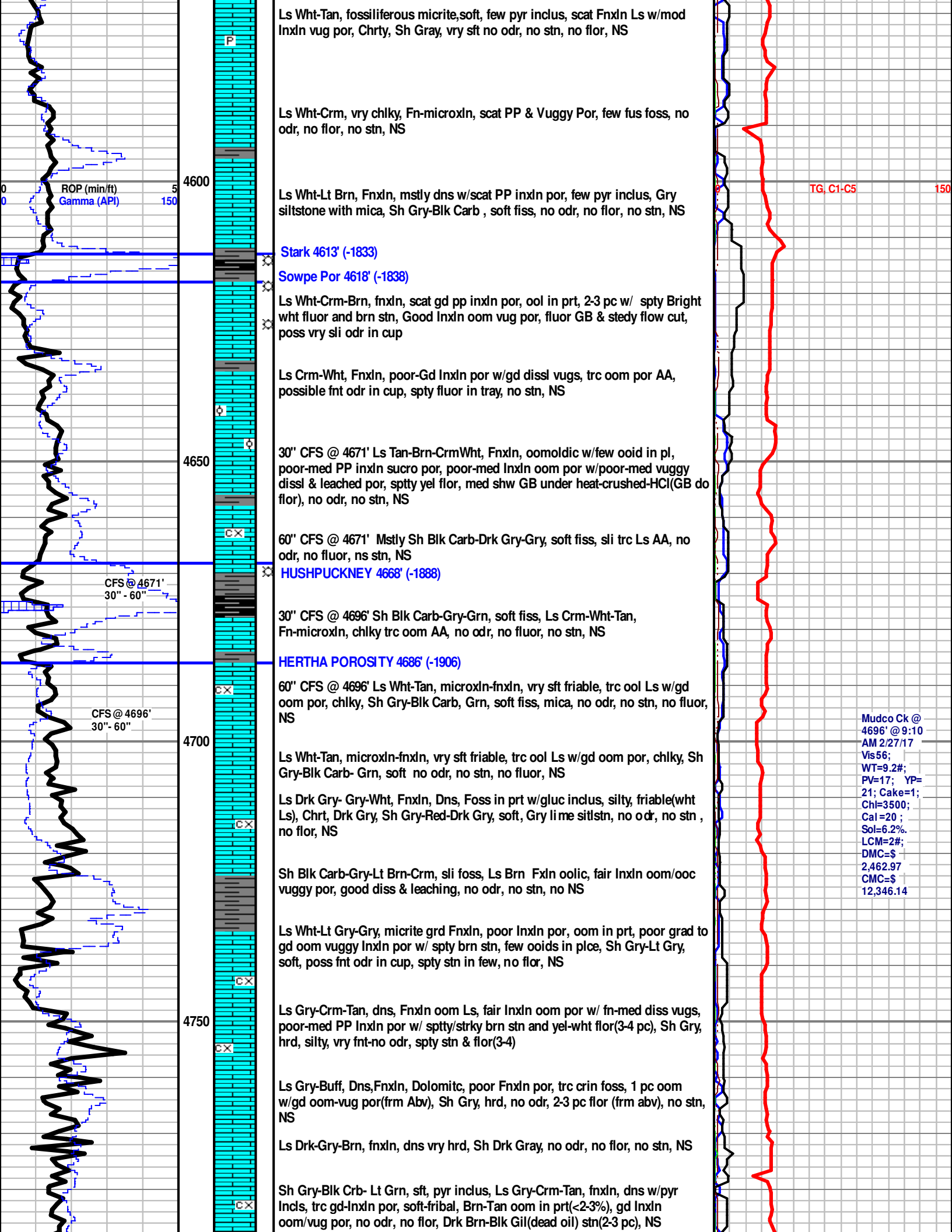
IOLA 4515' (-1735)

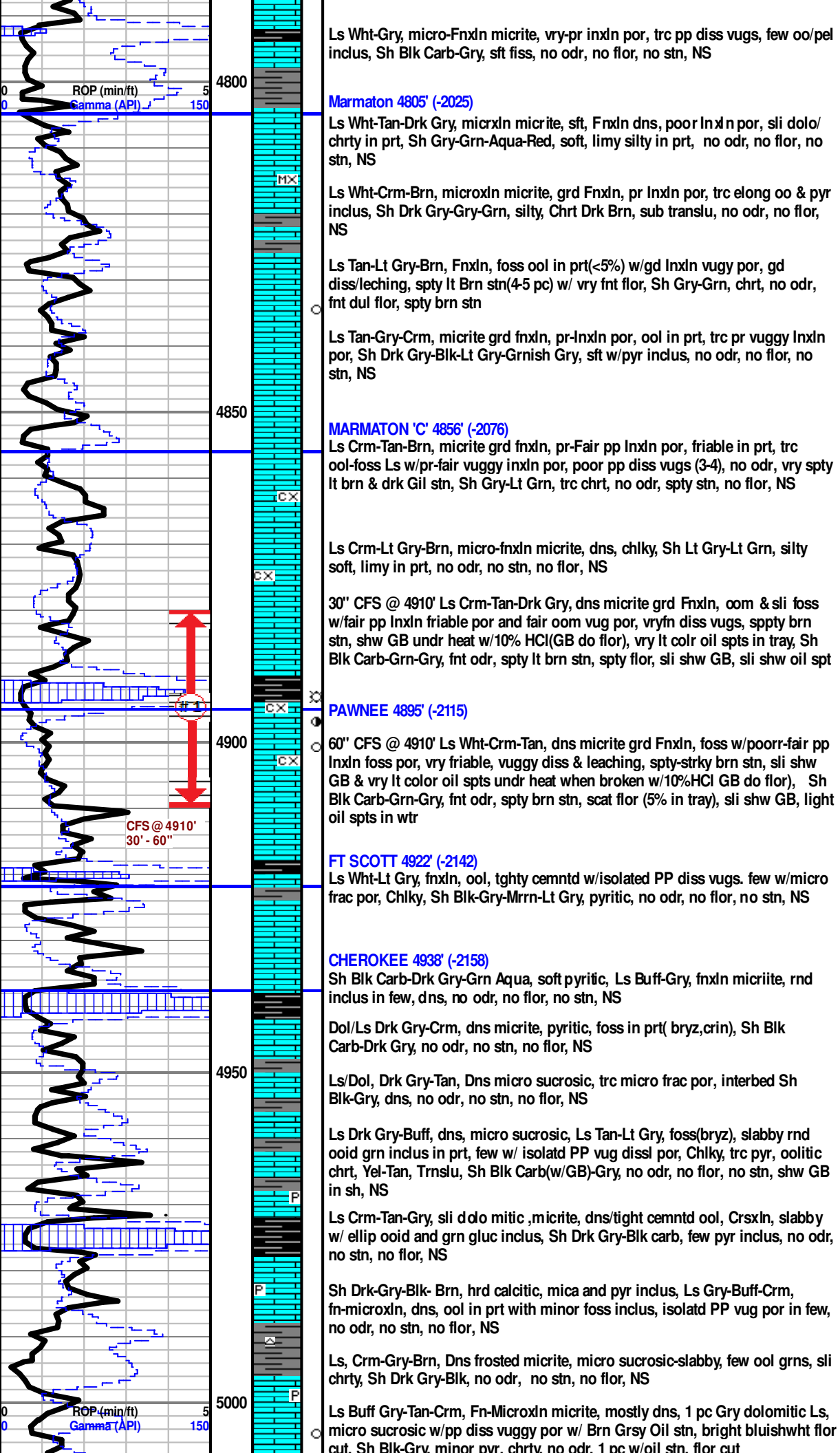
Ls Tan-Crm-Gry, Fnxln oolitic fossiliferous Ls, poor-med pp inxln por, friable, 4-5 pc w/gd intrgrn-oom vuggy por w/ooids in pl, bright yel flor, flor GB undr heat with 10% HCL, no odr, no vis stn, Sh Gry, silty, pyritic, SSGB, NSO

Ls Crm-Gry-Wht, micrite grd Fnxln oom-ooc w/gd lnxln vuggy por, vry frible, lt brn-brn spty stn, Sh Gry-Grn Aqua, no odr, no fluor, spty brn stn(trc), NS

Ls Brn-Lt Gry-Wht Fnxln, oolitic in prt, pr-Gd vuggy lnxln por, friable, scat pyr inclus, Sh Drk Gry, Grn, Redish Brn, Chrt Gry-Brn, no odr, no stn, no flor, NS

Ls Crm-Tan, fn-microxln, sli oolitic, chrty, poor inxln por, Sh Gry-Drk Gry, pyritic, Chrt, Wht-Tan, shrp, no odr, no flor, no stn, NS


0
ROP (min/ft)
5
0
Gamma (API)
150
4600
4650
4700
4750
P
CX
CFS @ 4671'
30" - 60"
CFS @ 4696'
30"- 60"
0
TG, C1-C5
150
Ls Wht-Tan, fossiliferous micrite,soft, few pyr inclus, scat Fnxln Ls w/mod Inxln vug por, Chrty, Sh Gray, vry sft no odr, no stn, no flor, NS
Ls Wht-Crm, vry chlky, Fn-microxln, scat PP & Vuggy Por, few fus foss, no odr, no flor, no stn, NS
Ls Wht-Lt Brn, Fnxln, mstly dns w/scat PP inxln por, few pyr inclus, Gry siltstone with mica, Sh Gry-Blk Carb , soft fiss, no odr, no flor, no stn, NS
Stark 4613' (-1833)
Sowpe Por 4618' (-1838)
Ls Wht-Crm-Brn, fnxln, scat gd pp inxln por, ool in prt, 2-3 pc w/ spty Bright wht fluor and brn stn, Good Inxln oom vug por, fluor GB & stedy flow cut, poss vry sli odr in cup
Ls Crm-Wht, Fnxln, poor-Gd Inxln por w/gd dissl vugs, trc oom por AA, possible fnt odr in cup, spty fluor in tray, no stn, NS
30" CFS @ 4671' Ls Tan-Brn-CrmWht, Fnxln, oomoldic w/few ooid in pl, poor-med PP inxln sucro por, poor-med Inxln oom por w/poor-med vuggy dissl & leached por, sptty yel flor, med shw GB under heat-crushed-HCl(GB do flor), no odr, no stn, NS
60" CFS @ 4671' Mstly Sh Blk Carb-Drk Gry-Gry, soft fiss, sli trc Ls AA, no odr, no fluor, ns stn, NS
HUSHPUCKNEY 4668' (-1888)
30" CFS @ 4696' Sh Blk Carb-Gry-Grn, soft fiss, Ls Crm-Wht-Tan, Fn-microxln, chlky trc oom AA, no odr, no fluor, no stn, NS
HERTHA POROSITY 4686' (-1906)
60" CFS @ 4696' Ls Wht-Tan, microxln-fnxln, vry sft friable, trc ool Ls w/gd oom por, chlky, Sh Gry-Blk Carb, Grn, soft fiss, mica, no odr, no stn, no fluor, NS
Ls Wht-Tan, microxln-fnxln, vry sft friable, trc ool Ls w/gd oom por, chlky, Sh Gry-Blk Carb- Grn, soft no odr, no stn, no fluor, NS
Ls Drk Gry- Gry-Wht, Fnxln, Dns, Foss in prt w/gluc inclus, silty, friable(wht Ls), Chrt, Drk Gry, Sh Gry-Red-Drk Gry, soft, Gry lime sitlstn, no odr, no stn , no flor, NS
Sh Blk Carb-Gry-Lt Brn-Crm, sli foss, Ls Brn Fxln oolic, fair Inxln oom/ooc vuggy por, good diss & leaching, no odr, no stn, no NS
Ls Wht-Lt Gry-Gry, micrite grd Fnxln, poor Inxln por, oom in prt, poor grad to gd oom vuggy Inxln por w/ spty brn stn, few ooids in plce, Sh Gry-Lt Gry, soft, poss fnt odr in cup, spty stn in few, no flor, NS
Ls Gry-Crm-Tan, dns, Fnxln oom Ls, fair Inxln oom por w/ fn-med diss vugs, poor-med PP Inxln por w/ sptty/strky brn stn and yel-wht flor(3-4 pc), Sh Gry, hrd, silty, vry fnt-no odr, spty stn & flor(3-4)
Ls Gry-Buff, Dns,Fnxln, Dolomitc, poor Fnxln por, trc crin foss, 1 pc oom w/gd oom-vug por(frm Abv), Sh Gry, hrd, no odr, 2-3 pc flor (frm abv), no stn, NS
Ls Drk-Gry-Brn, fnxln, dns vry hrd, Sh Drk Gray, no odr, no flor, no stn, NS
Sh Gry-Blk Crb- Lt Grn, sft, pyr inclus, Ls Gry-Crm-Tan, fnxln, dns w/pyr Incls, trc gd-Inxln por, soft-fribal, Brn-Tan oom in prt(<2-3%), gd Inxln oom/vug por, no odr, no flor, Drk Brn-Blk Gil(dead oil) stn(2-3 pc), NS
Mudco Ck @ 4696' @ 9:10 AM 2/27/17
Vis56;
WT=9.2#;
PV=17; YP= 21; Cake=1;
Chl=3500;
Cal =20 ;
Sol=6.2%.
LCM=2#;
DMC=$ 2,462.97
CMC=$ 12,346.14



Ls Wht-Gry, micro-Fnxln micrite, vry-pr inxln por, trc pp diss vugs, few oo/pel inclus, Sh Blk Carb-Gry, sft fiss, no odr, no flor, no stn, NS

Marmaton 4805' (-2025)

Ls Wht-Tan-Drk Gry, micrxln micrite, sft, Fnxln dns, poor Inxln por, sli dolo/ chrty in prt, Sh Gry-Grn-Aqua-Red, soft, limy silty in prt, no odr, no flor, no stn, NS

Ls Wht-Crm-Brn, microxln micrite, grd Fnxln, pr Inxln por, trc elong oo & pyr inclus, Sh Drk Gry-Gry-Grn, silty, Chrt Drk Brn, sub translu, no odr, no flor, NS

Ls Tan-Lt Gry-Brn, Fnxln, foss ool in prt(<5%) w/gd Inxln vugy por, gd diss/leching, spty lt Brn stn(4-5 pc) w/ vry fnt flor, Sh Gry-Grn, chrt, no odr, fnt dul flor, spty brn stn

Ls Tan-Gry-Crm, micrite grd fnxln, pr-Inxln por, ool in prt, trc pr vuggy Inxln por, Sh Drk Gry-Blk-Lt Gry-Grnish Gry, sft w/pyr inclus, no odr, no flor, no stn, NS

MARMATON 'C' 4856' (-2076)

Ls Crm-Tan-Brn, micrite grd fnxln, pr-Fair pp Inxln por, friable in prt, trc ool-foss Ls w/pr-fair vuggy inxln por, poor pp diss vugs (3-4), no odr, vry spty lt brn & drk Gil stn, Sh Gry-Lt Grn, trc chrt, no odr, spty stn, no flor, NS

Ls Crm-Lt Gry-Brn, micro-fnxln micrite, dns, chlky, Sh Lt Gry-Lt Grn, silty soft, limy in prt, no odr, no stn, no flor, NS

30" CFS @ 4910' Ls Crm-Tan-Drk Gry, dns micrite grd Fnxln, oom & sli foss w/fair pp Inxln friable por and fair oom vug por, vryfn diss vugs, sppty brn stn, shw GB undr heat w/10% HCl(GB do flor), vry lt colr oil spts in tray, Sh Blk Carb-Grn-Gry, fnt odr, spty lt brn stn, spty flor, sli shw GB, sli shw oil spt

PAWNEE 4895' (-2115)

60" CFS @ 4910' Ls Wht-Crm-Tan, dns micrite grd Fnxln, foss w/poorr-fair pp Inxln foss por, vry friable, vuggy diss & leaching, spty-strky brn stn, sli shw GB & vry lt color oil spts undr heat when broken w/10%HCl GB do flor), Sh Blk Carb-Grn-Gry, fnt odr, spty brn stn, scat flor (5% in tray), sli shw GB, light oil spts in wtr

FT SCOTT 4922' (-2142)

Ls Wht-Lt Gry, fnxln, ool, tghty cemntd w/isolated PP diss vugs. few w/micro frac por, Chlky, Sh Blk-Gry-Mrrn-Lt Gry, pyritic, no odr, no flor, no stn, NS

CHEROKEE 4938' (-2158)

Sh Blk Carb-Drk Gry-Grn Aqua, soft pyritic, Ls Buff-Gry, fnxln micriite, rnd inclus in few, dns, no odr, no flor, no stn, NS

Dol/Ls Drk Gry-Crm, dns micrite, pyritic, foss in prt(bryz,crin), Sh Blk Carb-Drk Gry, no odr, no stn, no flor, NS

Ls/Dol, Drk Gry-Tan, Dns micro sucrosic, trc micro frac por, interbed Sh Blk-Gry, dns, no odr, no stn, no flor, NS

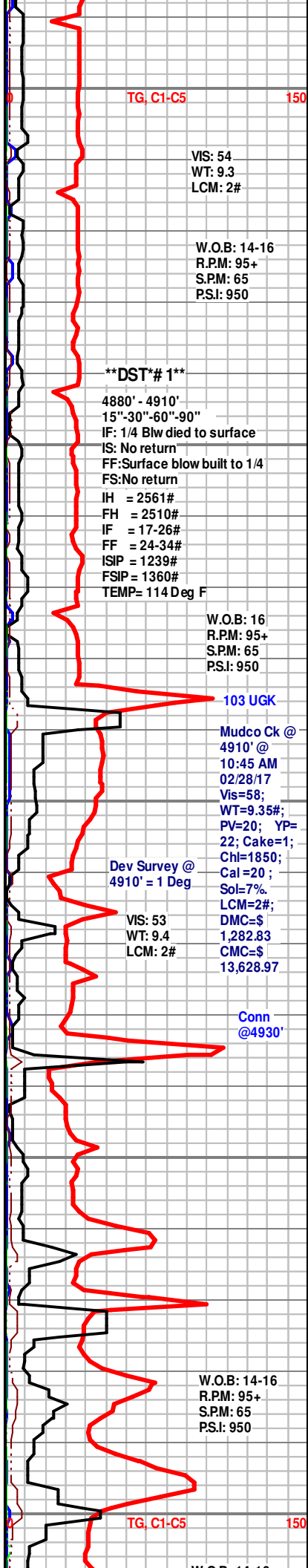
Ls Drk Gry-Buff, dns, micro sucrosic, Ls Tan-Lt Gry, foss(bryz), slabby rnd ooid grn inclus in prt, few w/ isolatd PP vug dissl por, Chlky, trc pyr, oolitic chrt, Yel-Tan, Trnslu, Sh Blk Carb(w/GB)-Gry, no odr, no flor, no stn, shw GB in sh, NS

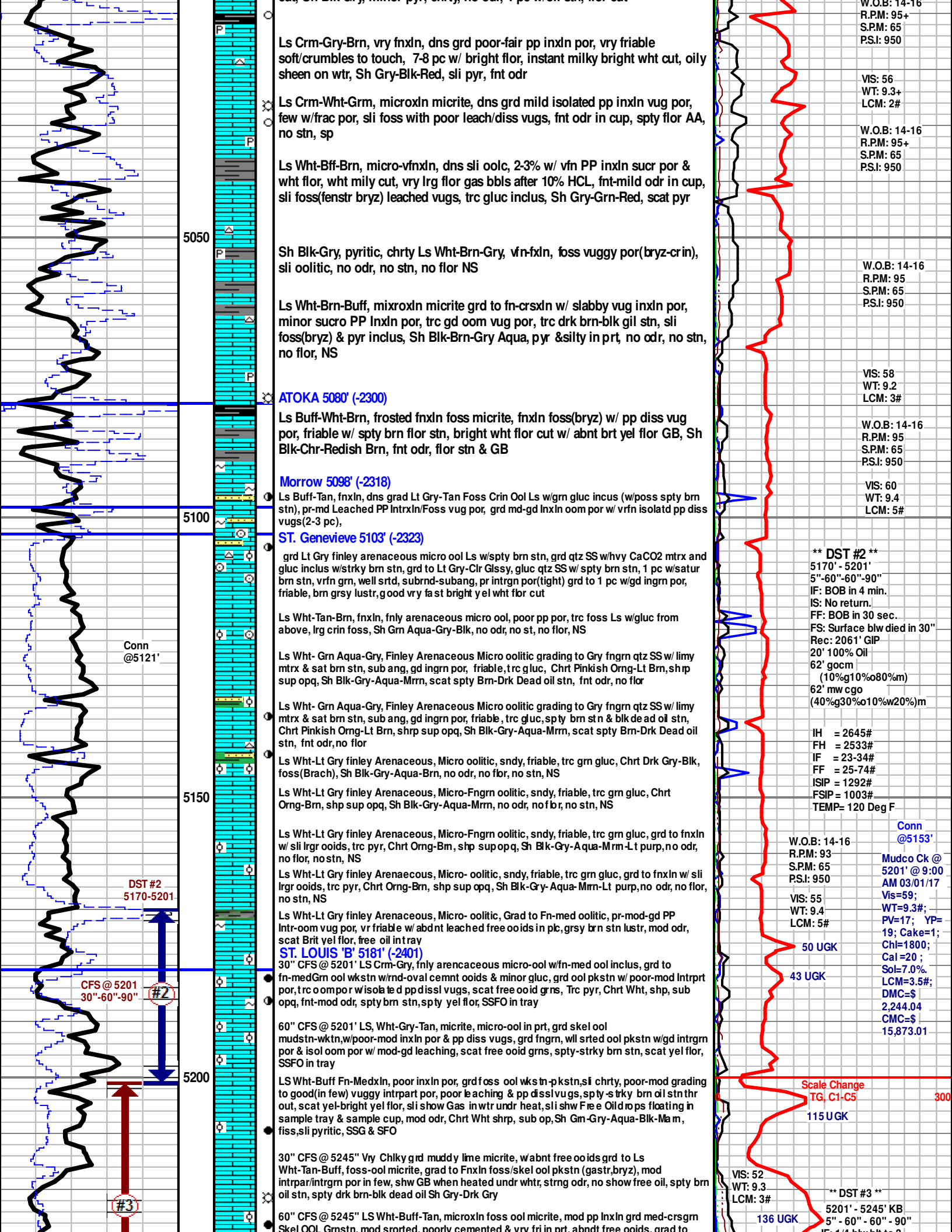
Ls Crm-Tan-Gry, sli dolo mitic ,micrite, dns/tight cemntd ool, Crsxln, slabby w/ ellip ooid and grn gluc inclus, Sh Drk Gry-Blk carb, few pyr inclus, no odr, no stn, no flor, NS

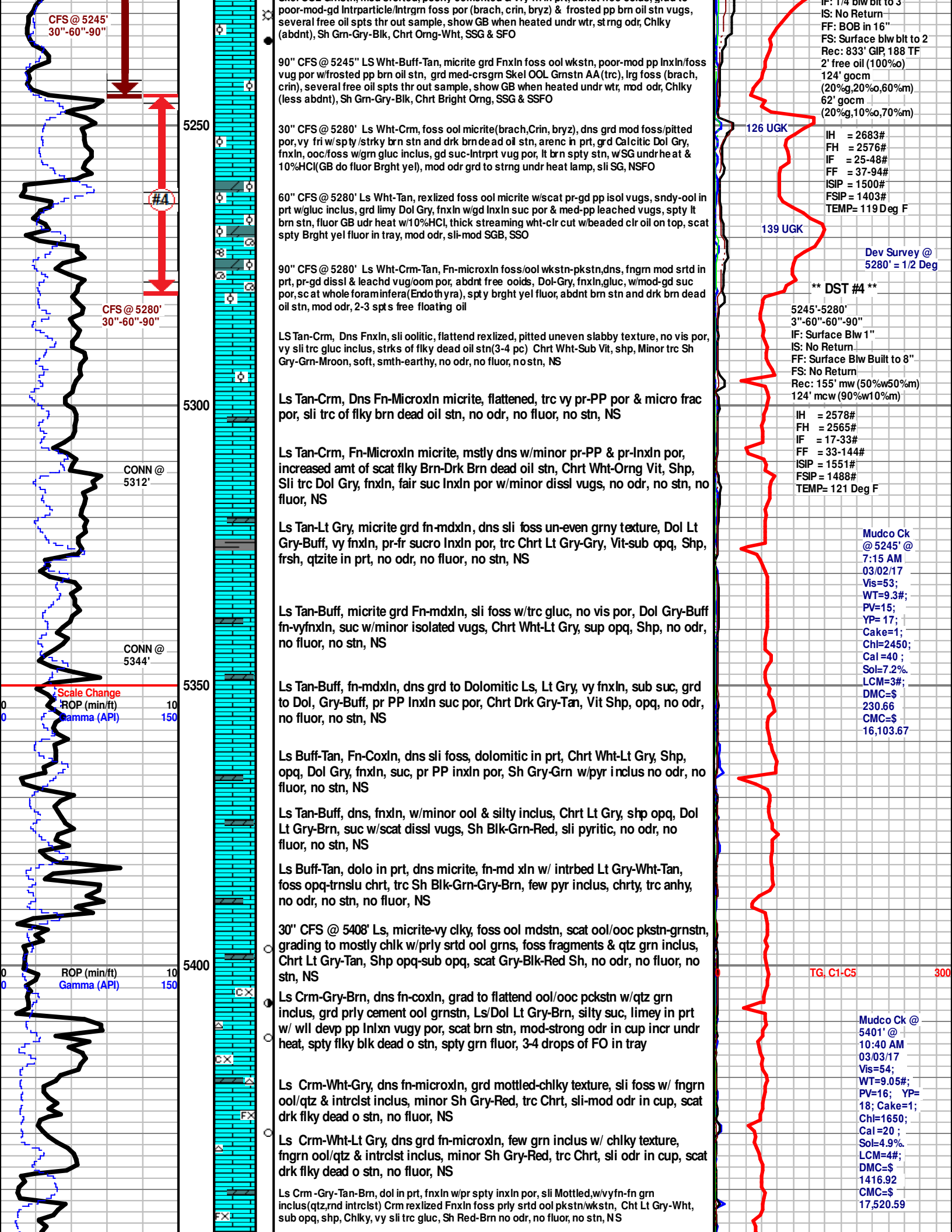
Sh Drk-Gry-Blk- Brn, hrd calcitic, mica and pyr inclus, Ls Gry-Buff-Crm, fn-microxln, dns, ool in prt with minor foss inclus, isolatd PP vug por in few, no odr, no stn, no flor, NS

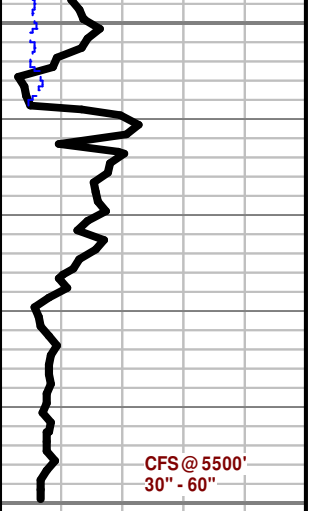
Ls, Crm-Gry-Brn, Dns frosted micrite, micro sucrosic-slabby, few ool grns, sli chrty, Sh Drk Gry-Blk, no odr, no stn, no flor, NS

Ls Buff Gry-Tan-Crm, Fn-Microxln micrite, mostly dns, 1 pc Gry dolomitic Ls, micro sucrosic w/pp diss vuggy por w/ Brn Grsy Oil stn, bright bluishwht flor cut, Sh Blk-Gry, minor pyr, chrty, no odr, 1 pc w/oil stn, flor cut




5050
5100
5150
5200
Conn
@5121'
DST #2
5170-5201
CFS @ 5201
30"-60"-90"
#2
#3
Ls Crm-Gry-Brn, vry fnxln, dns grd poor-fair pp inxln por, vry friable soft/crumbles to touch, 7-8 pc w/ bright flor, instant milky bright wht cut, oily sheen on wtr, Sh Gry-Blk-Red, sli pyr, fnt odr
Ls Crm-Wht-Grm, microxln micrite, dns grd mild isolated pp inxln vug por, few w/frac por, sli foss with poor leach/diss vugs, fnt odr in cup, spty flor AA, no stn, sp
Ls Wht-Bff-Brn, micro-vfnxln, dns sli oolc, 2-3% w/ vfn PP inxln sucr por & wht flor, wht mily cut, vry lrg flor gas bbls after 10% HCL, fnt-mild odr in cup, sli foss(fenstr bryz) leached vugs, trc gluc inclus, Sh Gry-Grn-Red, scat pyr
Sh Blk-Gry, pyritic, chrty Ls Wht-Brn-Gry, vfn-fxln, foss vuggy por(bryz-crin), sli oolitic, no odr, no stn, no flor NS
Ls Wht-Brn-Buff, mixroxln micrite grd to fn-crsxln w/ slabby vug inxln por, minor sucro PP lnxln por, trc gd oom vug por, trc drk brn-blk gil stn, sli foss(bryz) & pyr inclus, Sh Blk-Brn-Gry Aqua, pyr &silty in prt, no odr, no stn, no flor, NS
ATOKA 5080' (-2300)
Ls Buff-Wht-Brn, frosted fnxln foss micrite, fnxln foss(bryz) w/ pp diss vug por, friable w/ spty brn flor stn, bright wht flor cut w/ abnt brt yel flor GB, Sh Blk-Chr-Redish Brn, fnt odr, flor stn & GB
Morrow 5098' (-2318)
Ls Buff-Tan, fnxln, dns grad Lt Gry-Tan Foss Crin Ool Ls w/grn gluc incus (w/poss spty brn stn), pr-md Leached PP lntrxln/Foss vug por, grd md-gd lnxln oom por w/ vrfn isolatd pp diss vugs(2-3 pc),
ST. Genevieve 5103' (-2323)
grd Lt Gry finley arenaceous micro ool Ls w/spty brn stn, grd qtz SS w/hvy CaCO2 mtrx and gluc inclus w/strky brn stn, grd to Lt Gry-Clr Glssy, gluc qtz SS w/ spty brn stn, 1 pc w/satur brn stn, vrfn grn, well srtd, subrnd-subang, pr intrgn por(tight) grd to 1 pc w/gd ingrn por, friable, brn grsy lustr, good vry fast bright yel wht flor cut
Ls Wht-Tan-Brn, fnxln, fnly arenaceous micro ool, poor pp por, trc foss Ls w/gluc from above, lrg crin foss, Sh Grn Aqua-Gry-Blk, no odr, no st, no flor, NS
Ls Wht- Grn Aqua-Gry, Finley Arenaceous Micro oolitic grading to Gry fngrn qtz SS w/ limy mtrx & sat brn stn, sub ang, gd ingrn por, friable, trc gluc, Chrt Pinkish Orng-Lt Brn, shrp sup opq, Sh Blk-Gry-Aqua-Mrrn, scat spty Brn-Drk Dead oil stn, fnt odr, no flor
Ls Wht- Grn Aqua-Gry, Finley Arenaceous Micro oolitic grading to Gry fngrn qtz SS w/ limy mtrx & sat brn stn, sub ang, gd ingrn por, friable, trc gluc, spty brn stn & blk dead oil stn, Chrt Pinkish Orng-Lt Brn, shrp sup opq, Sh Blk-Gry-Aqua-Mrrn, scat spty Brn-Drk Dead oil stn, fnt odr, no flor
Ls Wht-Lt Gry finley Arenaceous, Micro oolitic, sndy, friable, trc grn gluc, Chrt Drk Gry-Blk, foss(Brach), Sh Blk-Gry-Aqua-Brn, no odr, no flor, no stn, NS
Ls Wht-Lt Gry finley Arenaceous, Micro-Fngrn oolitic, sndy, friable, trc grn gluc, Chrt Orng-Brn, shp sup opq, Sh Blk-Gry-Aqua-Mrrn, no odr, no flor, no stn, NS
Ls Wht-Lt Gry finley Arenaceous, Micro-Fngrn oolitic, sndy, friable, trc grn gluc, grd to fnxln w/ sli lrgr ooids, trc pyr, Chrt Orng-Brn, shp sup opq, Sh Blk-Gry-Aqua-Mrrn-Lt purp, no odr, no flor, no stn, NS
Ls Wht-Lt Gry finley Arenaecous, Micro- oolitic, sndy, friable, trc grn gluc, grd to fnxln w/ sli lrgr ooids, trc pyr, Chrt Orng-Brn, shp sup opq, Sh Blk-Gry-Aqua-Mrrn-Lt purp, no odr, no flor, no stn, NS
Ls Wht-Lt Gry finley Arenaceous, Micro- oolitic, Grad to Fn-med oolitic, pr-mod-gd PP lntr-oom vug por, vr friable w/ abdnt leached free ooids in plc, grsy brn stn lustr, mod odr, scat Brit yel flor, free oil in tray
ST. LOUIS 'B' 5181' (-2401)
30" CFS @ 5201' LS Crm-Gry, fnly arencaceous micro-ool w/fn-med ool inclus, grd to fn-medGrn ool wkstn w/rnd-oval cemnt ooids & minor gluc, grd ool pkstn w/ poor-mod lntrprt por, trc oompor w/isolated ppdissl vugs, scat free ooid grns, Trc pyr, Chrt Wht, shp, sub opq, fnt-mod odr, spty brn stn, spty yel flor, SSFO in tray
60" CFS @ 5201' LS, Wht-Gry-Tan, micrite, micro-ool in prt, grd skel ool mudstn-wktn, w/poor-mod inxln por & pp diss vugs, grd fngrn, wll srted ool pkstn w/gd intrgrn por & isol oom por w/ mod-gd leaching, scat free ooid grns, spty-strky brn stn, scat yel flor, SSFO in tray
LS Wht-Buff Fn-Medxln, poor inxln por, grd foss ool wkstn-pkstn, sli chrty, poor-mod grading to good(in few) vuggy intrpart por, poor leaching & pp dissl vugs, spty-strky brn oil stn thr out, scat yel-bright yel flor, sli show Gas in wtr undr heat, sli shw Free Oil drops floating in sample tray & sample cup, mod odr, Chrt Wht shrp, sub op, Sh Grn-Gry-Aqua-Blk-Marn, fiss, sli pyritic, SSG & SFO
30" CFS @ 5245" Vry Chlky grd muddy lime micrite, w/abnt free ooids grd to Ls Wht-Tan-Buff, foss-ool micrite, grad to Fnxln foss/skel ool pkstn (gastr,bryz), mod intrpar/intrgrn por in few, shw GB when heated undr whtr, strng odr, no show free oil, spty brn oil stn, spty drk brn-blk dead oil Sh Gry-Drk Gry
60" CFS @ 5245" LS Wht-Buff-Tan, microxln foss ool micrite, mod pp lnxln grd med-crsgrn Skel OOL Grnstn, mod sorted, poorly cemented & vry fri in prt, abndt free ooids, grad to
W.O.B: 14-16
R.P.M: 95+
S.P.M: 65
P.S.I: 950
VIS: 56
WT: 9.3+
LCM: 2#
W.O.B: 14-16
R.P.M: 95+
S.P.M: 65
P.S.I: 950
W.O.B: 14-16
R.P.M: 95
S.P.M: 65
P.S.I: 950
VIS: 58
WT: 9.2
LCM: 3#
W.O.B: 14-16
R.P.M: 95
S.P.M: 65
P.S.I: 950
VIS: 60
WT: 9.4
LCM: 5#
** DST #2 **
5170' - 5201'
5"-60"-60"-90"
IF: BOB in 4 min.
IS: No return.
FF: BOB in 30 sec.
FS: Surface blw died in 30"
Rec: 2061' GIP
20' 100% Oil
62' gocm
(10%g10%o80%m)
62' mw cgo
(40%g30%o10%w20%)m
IH = 2645#
FH = 2533#
IF = 23-34#
FF = 25-74#
ISIP = 1292#
FSIP = 1003#
TEMP= 120 Deg F
W.O.B: 14-16
R.P.M: 93
S.P.M: 65
P.S.I: 950
VIS: 55
WT: 9.4
LCM: 5#
Conn
@5153'
Mudco Ck @
5201' @ 9:00
AM 03/01/17
Vis=59;
WT=9.3#;
PV=17; YP=
19; Cake=1;
Chl=1800;
Cal=20 ;
Sol=7.0%.
LCM=3.5#;
DMC=$
2,244.04
CMC=$
15,873.01
50 UGK
43 UGK
Scale Change
TG, C1-C5
300
115 UGK
VIS: 52
WT: 9.3
LCM: 3#
136 UGK
** DST #3 **
5201' - 5245' KB
5" - 60" - 60" - 90"


CFS @ 5245'
30"-60"-90"
#4
CFS @ 5280'
30"-60"-90"
CONN @ 5312'
CONN @ 5344'
Scale Change
ROP (min/ft)
Gamma (API)
5250
5300
5350
5400
poor-mod-gd lntrparticle/lntrgrn foss por (brach, crin, bryz) & frosted pp brn oil stn vugs, several free oil spts thr out sample, show GB when heated undr wtr, strng odr, Chlky (abdnt), Sh Grn-Gry-Blk, Chrt Orng-Wht, SSG & SFO
90" CFS @ 5245" LS Wht-Buff-Tan, micrite grd Fnxln foss ool wkstn, poor-mod pp lnxln/foss vug por w/frosted pp brn oil stn, grd med-crsgrn Skel OOL Grnstn AA (trc), lrg foss (brach, crin), several free oil spts thr out sample, show GB when heated undr wtr, mod odr, Chlky (less abdnt), Sh Grn-Gry-Blk, Chrt Bright Orng, SSG & SSFO
30" CFS @ 5280' Ls Wht-Crm, foss ool micrite(brach,Crin, bryz), dns grd mod foss/pitted por, vy fri w/spty /strky brn stn and drk brn dead oil stn, arenc in prt, grd Calcitic Dol Gry, fnxln, ooc/foss w/grn gluc inclus, gd suc-lntrprt vug por, lt brn spty stn, w/SG undr heat & 10%HCl(GB do fluor Brght yel), mod odr grd to strng undr heat lamp, sli SG, NSFO
60" CFS @ 5280' Ls Wht-Tan, rexlized foss ool micrite w/scat pr-gd pp isol vugs, sndy-ool in prt w/gluc inclus, grd limy Dol Gry, fnxln w/gd lnxln suc por & med-pp leached vugs, spty lt brn stn, fluor GB udr heat w/10%HCl, thick streaming wht-clr cut w/beaded clr oil on top, scat spty Brght yel fluor in tray, mod odr, sli-mod SGB, SSO
90" CFS @ 5280' Ls Wht-Crm-Tan, Fn-microxln foss/ool wkstn-pkstn,dns, fngrn mod srtd in prt, pr-gd dissl & leachd vug/oom por, abdnt free ooids, Dol-Gry, fnxln,gluc, w/mod-gd suc por, sc at whole foraminfera(Endothyra), spty brght yel fluor, abdnt brn stn and drk brn dead oil stn, mod odr, 2-3 spts free floating oil
LS Tan-Crm, Dns Fnxln, sli oolitic, flattend rexlized, pitted uneven slabby texture, no vis por, vy sli trc gluc inclus, strks of flky dead oil stn(3-4 pc) Chrt Wht-Sub Vit, shp, Minor trc Sh Gry-Grn-Mroon, soft, smth-earthy, no odr, no fluor, no stn, NS
Ls Tan-Crm, Dns Fn-Microxln micrite, flattened, trc vy pr-PP por & micro frac por, sli trc of flky brn dead oil stn, no odr, no fluor, no stn, NS
Ls Tan-Crm, Fn-Microxln micrite, mstly dns w/minor pr-PP & pr-lnxln por, increased amt of scat flky Brn-Drk Brn dead oil stn, Chrt Wht-Orng Vit, Shp, Sli trc Dol Gry, fnxln, fair suc lnxln por w/minor dissl vugs, no odr, no stn, no fluor, NS
Ls Tan-Lt Gry, micrite grd fn-mdxln, dns sli foss un-even grny texture, Dol Lt Gry-Buff, vy fnxln, pr-fr sucro lnxln por, trc Chrt Lt Gry-Gry, Vit-sub opq, Shp, frsh, qtzite in prt, no odr, no fluor, no stn, NS
Ls Tan-Buff, micrite grd Fn-mdxln, sli foss w/trc gluc, no vis por, Dol Gry-Buff fn-vyfnxln, suc w/minor isolated vugs, Chrt Wht-Lt Gry, sup opq, Shp, no odr, no fluor, no stn, NS
Ls Tan-Buff, fn-mdxln, dns grd to Dolomitic Ls, Lt Gry, vy fnxln, sub suc, grd to Dol, Gry-Buff, pr PP lnxln suc por, Chrt Drk Gry-Tan, Vit Shp, opq, no odr, no fluor, no stn, NS
Ls Buff-Tan, Fn-Coxln, dns sli foss, dolomitic in prt, Chrt Wht-Lt Gry, Shp, opq, Dol Gry, fnxln, suc, pr PP inxln por, Sh Gry-Grn w/pyr inclus no odr, no fluor, no stn, NS
Ls Tan-Buff, dns, fnxln, w/minor ool & silty inclus, Chrt Lt Gry, shp opq, Dol Lt Gry-Brn, suc w/scat dissl vugs, Sh Blk-Grn-Red, sli pyritic, no odr, no fluor, no stn, NS
Ls Buff-Tan, dolo in prt, dns micrite, fn-md xln w/ intrbed Lt Gry-Wht-Tan, foss opq-trnslu chrt, trc Sh Blk-Grn-Gry-Brn, few pyr inclus, chrty, trc anhy, no odr, no stn, no fluor, NS
30" CFS @ 5408' Ls, micrite-vy clky, foss ool mdstn, scat ool/ooc pkstn-grnstn, grading to mostly chlk w/prly srtd ool grns, foss fragments & qtz grn inclus, Chrt Lt Gry-Tan, Shp opq-sub opq, scat Gry-Blk-Red Sh, no odr, no fluor, no stn, NS
Ls Crm-Gry-Brn, dns fn-coxln, grad to flattend ool/ooc pckstn w/qtz grn inclus, grd prly cement ool grnstn, Ls/Dol Lt Gry-Brn, silty suc, limey in prt w/ wll devp pp lnlxn vugy por, scat brn stn, mod-strong odr in cup incr undr heat, spty flky blk dead o stn, spty grn fluor, 3-4 drops of FO in tray
Ls Crm-Wht-Gry, dns fn-microxln, grd mottled-chlky texture, sli foss w/ fngrn ool/qtz & intrclst inclus, minor Sh Gry-Red, trc Chrt, sli-mod odr in cup, scat drk flky dead o stn, no fluor, NS
Ls Crm-Wht-Lt Gry, dns grd fn-microxln, few grn inclus w/ chlky texture, fngrn ool/qtz & intrclst inclus, minor Sh Gry-Red, trc Chrt, sli odr in cup, scat drk flky dead o stn, no fluor, NS
Ls Crm -Gry-Tan-Brn, dol in prt, fnxln w/pr spty inxln por, sli Mottled,w/vyfn-fn grn inclus(qtz,rnd intrclst) Crm rexlized Fnxln foss prly srtd ool pkstn/wkstn, Cht Lt Gry-Wht, sub opq, shp, Chlky, vy sli trc gluc, Sh Red-Brn no odr, no fluor, no stn, NS
IF: 1/4 blw blt to 3
IS: No Return
FF: BOB in 16"
FS: Surface blw blt to 2
Rec: 833' GIP, 188 TF
2' free oil (100%o)
124' gocm (20%g,20%o,60%m)
62' gocm (20%g,10%o,70%m)
126 UGK
IH = 2683#
FH = 2576#
IF = 25-48#
FF = 37-94#
ISIP = 1500#
FSIP = 1403#
TEMP= 119 Deg F
139 UGK
Dev Survey @ 5280' = 1/2 Deg
** DST #4 **
5245'-5280'
3"-60"-60"-90"
IF: Surface Blw 1"
IS: No Return
FF: Surface Blw Built to 8"
FS: No Return
Rec: 155' mw (50%w50%m)
124' mcw (90%w10%m)
IH = 2578#
FH = 2565#
IF = 17-33#
FF = 33-144#
ISIP = 1551#
FSIP = 1488#
TEMP= 121 Deg F
Mudco Ck @ 5245' @ 7:15 AM 03/02/17
Vis=53;
WT=9.3#;
PV=15;
YP= 17;
Cake=1;
Chl=2450;
Cal =40 ;
Sol=7.2%.
LCM=3#;
DMC=$ 230.66
CMC=$ 16,103.67
TG, C1-C5
Mudco Ck @ 5401' @ 10:40 AM 03/03/17
Vis=54;
WT=9.05#;
PV=16; YP= 18; Cake=1;
Chl=1650;
Cal =20 ;
Sol=4.9%.
LCM=4#;
DMC=$ 1416.92
CMC=$ 17,520.59



CFS @ 5500'
30" - 60"

RTD: 5500'
LTD: 5501'

5450

Ls Gry-Crm-Tan, microxln micrite grad Fnxln, sli dolo in prt, detrital inclus(oo,pell,qtz), flky brn-blk dead oil stn(scat) vy sli trc Sh Drk Gry, Chrt Wht-Clr, shp sub fn-microxln, Chrt Lt Gry-Wht-Tan, foss, sub opq to sub translu, no odr, no stn, no fluor, NS

Ls Tan-Crm-Buff, Fn-Coxln, dns, Dolomitic Ls in prt, Gry Buff-Brn, Fnxln, silty, scat pr-mod pp inxln suc por, Sh Gry, silty mdstn, no odr, no fluor, no stn, NS

Chrt foss (less abndt), Ls Wht-Crm vr mddy Chlk, grad to Limey Dol, Lt Gry-Lt Brn, vr fnxln, sub suc, pr PP to no vis por, abnt gastr & foram foss, no odr, no flor, no stn, NS

30" CFS @ 5500' Ls, Wht-Gry, chlky micrite grd Fnxln vr foss w/grn inclus, sli trc well srtd prly cmentd chlky ool pkstn-wkstn scat vugy por, Dol Gry-Lt Brn, foss in prt, minor pp suc por, Chrt Wht-Lt Gry, sup opq, shp, Sh Blk-Drk Gry, chrty in prt, no odr, no stn, no fluor, NS

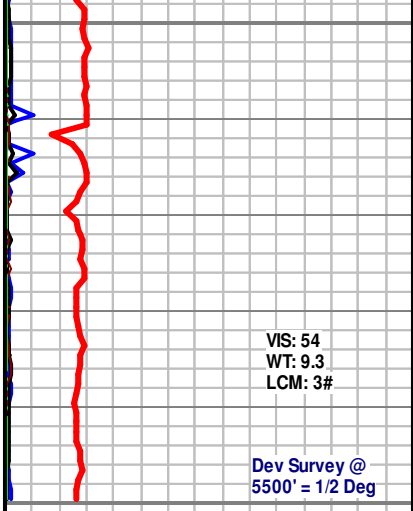
60" CFS @ 5500' Ls Tan-Crm, mstly dns & vry chlky, Fnxln in prt w/trc of pr Inxln por, Dol Lt Tan- Lt Gryish Brn, vr fnxln, sli suc w/scat pp por & grn gluc inclus, Chrt Wht-Lt Gry, shp, sup opq, foss, no odr, no fluor, no stn, NS

5500

TD @ 5500' @ 4:21 PM 03-03-2017

Electric Logs Run By Weatherford Logging: Dual Induction, Compensated Density-Neutron & Microresistivity, Sonic, & Image Logs.

Geologist left location @ 11:42 AM on 03-04-2017



VIS: 54
WT: 9.3
LCM: 3#

Dev Survey @
5500' = 1/2 Deg

5550

Cement Job Summary

Job Number:	Lib170224922	Job Purpose	01 Surface		
Customer:	McCoy Petroleum Corp			Date:	2/24/2017
Well Name:	Reed Trust "A"		Number: 1-36	API/UWI:	
County:	Gray	City:		State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	
Legal Desc:				Rig Name:	Sterling Drilling#4
Distance	45 miles (one way)			Supervisor	James Peppin

Employees:	Emp. ID:	Employees:	Emp. ID:
Victor Garcia		Ramon Escarcega	
James Peppin		Jaime Torrez	

Equipment:	
550 / 994-4	
788-4 / 744-5	

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	12 1/4	100%	1540	1,781	TAIL CEMENT
OPEN HOLE	12 1/4	100%	0	1,540	LEAD CEMENT
OPEN HOLE	12 1/4			0	
OPEN HOLE	12 1/4				

Tubulars

Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,776
SHOE	8 5/8	24	8.097	J-55	1,734	1,776

Materials - Pumping Schedule

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	10	8.33	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	500	12.10	2.55	14.86
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1410.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	250.0	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Tail 1	CLASS A COMMON	200	15.62	1.19	5.20
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	376.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	50.0	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	Fresh Water	110.4272927	8.33	n/a	n/a

Job Number:	Lib170224922	Job Purpose	01 Surface		
Customer:	McCoy Petroleum Corp			Date:	2/24/2017
Well Name:	Reed Trust "A"		Number: 1-36	API/UWI:	
County:	Gray	City:		State:	Kansas
Cust. Rep:		Phone:		Rig Phone:	0
Distance	45 miles (one way)			Supervisor	James Peppin

TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
1:30					left the yard
2:30					arrive on loc and spoted trucks
7:20					safety meeting with rig crew
7:50	1500				test lines
7:56	121		10	5	pump h20 ahead
8:01	183		227	5	lead cmt slurry @ 12.1 wt
8:44	250		42	5	tail cmt slurry @ 15.6 wt
8:53					shut down and drop plug
8:56	70				disp plug with h20
9:08	231		50	5	50 bbls gone on disp
9:20	570		100	3	slow rate down to bump plug
9:22	1019				bump plug and check float and it held
					bleed back 1/2 bbl
					circ 45 bbls = 100 sks to surf
					shut down and rig down and the crew
					and I thank the customer for the job

Cement Job Summary

Job Number:	LIB170305200	Job Purpose	02 Production/Long String
Customer:	MCCOY PETROLEUM CORP.		Date:
Well Name:	Reed Trust "A"	Number: 1-36	API/UWI:
County:	Gray	City:	State: Kansas
Cust. Rep:		Phone:	Rig Phone:
Legal Desc:			Rig Name:
Distance	45 miles (one way)		Supervisor

Employees:	Emp. ID:	Employees:	Emp. ID:
Erik Chavez	#N/A	Max B	#N/A
Carlos Ibarra	#N/A	Alejandro Ayala	#N/A

Equipment:	
531-4 / 541-5	
870-4 / 553	

Well Information

Open Hole Section

Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	7 7/8	20%	4000	5,500	TAIL CEMENT
OPEN HOLE	7 7/8			4,000	LEAD CEMENT
OPEN HOLE	7 7/8				
OPEN HOLE	7 7/8				

Tubulars

Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	8 5/8	24	8.097	J-55	0	1,800
TOTAL CASING	4 1/2	10.5	4.052	J-55	0	5,500
SHOE	4 1/2	10.5	4.052	J-55	5,458	5,500

Materials - Pumping Schedule

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Lead 1	ALLIED 40/60/4 POZ BLEND - CLASS A	50	13.84	1.41	6.80
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	225	13.58	1.92	9.60
Addl. Additive	**Description**	**Conc. (lb/sk)**	**Determined by**	**Load Volume**	**UOM**
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	105.8	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	1125.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	56.3	lbm
Fluid Name	**Description**	**Rqstd Qty**	**Density**	**Yield**	**Water (gal/sk)**
Disp. 1	Fresh Water	87.04652891	8.30	n/a	n/a

Job Number:	LIB170305200	Job Purpose	02 Production/Long String
Customer:	MCCOY PETROLEUM CORP.		Date:
Well Name:	Reed Trust "A"	Number: 1-36	API/UWI:
County:	Gray	City:	State: Kansas
Cust. Rep:		Phone:	Rig Phone: 0
Distance	45 miles (one way)		Supervisor 0

BJ

Cement Job Summary

TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
6:00					Arrive on Location
6:10					Wait on Location
10:00					Pre Rig up Safety Meeting
10:20					Rig up Equipment
10:54					Circulate Well
0:00					Safety Meeting
0:10					Test Lines
0:15			12	3	Spacer 1
0:20			12.64	3	Plug Rat & Mouse Hole
0:45			77.39	5	Cmt 225 sks @ 13.5
1:05					Shutdown Drop Latch Down Plug
1:12			86	5	Displacement
1:48					Bump Plug 1000 psi over PLP
1:50					Released bck 1/2 bbl
2:00					End Job
2:15					Pre-Rig Down Safety Meeting
2:30					Rig Down
3:00					Leave Location