Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1088784

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5004
Name: Vincent Oil Corporation
Address 1: 155 N MARKET STE 700
Address 2:
City: WICHITA State: KS Zip: 67202 + 1821
Contact Person: M.L. Korphage
Phone: (316) 262-3573
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Jim Hall
Purchaser: None - D&A

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

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

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

3/28/2012	4/8/2012	4/8/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-057-20791-00-00
Spot Description: SW-NW
SW NW SW SE Sec. 24 Twp. 27 S. R. 24 ☐ East ☑ West
805 Feet from ☐ North / ☑ South Line of Section
2560 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: Ford
Lease Name: Muirhead Trust Well #: 1-24
Field Name: Wildcat
Producing Formation: None - D&A
Elevation: Ground: 2481 Kelly Bushing: 2492
Total Vertical Depth: 5236 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 479 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: 1200 ppm Fluid volume: 950 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Advantage Resources
Lease Name: Hardy B License #: 6926
Quarter NE Sec. 24 Twp. 28 S. R. 18 ☐ East ☑ West
County: Kiowa Permit #: D 27161

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: 07/26/2012
☑ **Confidential Release Date:** 07/26/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 08/01/2012

[redacted] 1088784

Operator Name: Vincent Oil Corporation Lease Name: Muirhead Trust Well #: 1-24

Sec. 24 Twp. 27 S. R. 24 ☐ East ☑ West County: Ford

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: 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 Casing	12.25	8.6250	23	479	65/35 POZ	300	4% Gel, 3% CC & 1/4# Cel-Fake/sx

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	-			
	-			

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

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Muirhead Trust 1-24
Doc ID	1088784

All Electric Logs Run

Dual Induction
Density-Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Muirhead Trust 1-24
Doc ID	1088784

Tops

Name	Top	Datum
Heebner Shale	4172	(-1680)
Brown Limestone	4285	(-1793)
Lansing	4295	(-1803)
Stark Shale	4626	(-2134)
Pawnee	4842	(-2350)
Cherokee Shale	4889	(-2397)
Base Penn Limestone	4990	(-2498)
Morrow Sand	5021	(-2529)
Mississippian	5086	(-2594)
LTD	5242	(-2750)

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5450

Home Office 324 Simpson St., Pratt, KS 67124

Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
3-29-12	24	27	24	Ford	Ks		8:45

Lease Muirhead trust Well No. 1-24 Location Ford SW on Saddle Rd. 2N ½E Minto.

Contractor Duke 9 Owner

Type Job Surface To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12¼ T.D. 483

Csg. 8⅝ Depth 467.83.

Charge To Vincent Oil

Tbg. Size Depth Street

Tool Depth City State

Cement Left in Csg. 15 ~~Shoe Joint~~ Rat Hole 30 12.00.

The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line Displace 29.6 Cement Amount Ordered 300 sx 65/35 4% Gel 3% CC ¼# C.F.

EQUIPMENT

Pumptrk 8	No.	Dave
Bulktrk 9	No.	Holmes
Bulktrk	No.	Mike
Pickup	No.	

JOB SERVICES & REMARKS

1st Ran 11 jts New 8⅝ 24# csg.

Est. Circulation

Mix and pumped 300sx 65/35 4% Gel 3% cc. Displaced with 29.6 bbls.

Cement did circulate.

Common	200
Poz. Mix	100
Gel.	10
Calcium	12
Hulls	
Salt	
Flowseal	75
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	310
Mileage	50

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	50
Tax	
Discount	
Total Charge	

X Signature Christopher Rojas

Taylor Printing, Inc.

ALLIED OIL & GAS SERVICES, LLC 053211

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Liberal, KS

DATE 4/8/12	SEC. 24	TWP. 27s	RANGE 24w	CALLED OUT	ON LOCATION	JOB START 3:30	JOB FINISH 4:30
LEASE Muirhead Trust	WELL # 1-24		LOCATION Ford, KS 1/2 N 8 w 2 N 3/4w			COUNTY Ford	STATE KS
OLD OR NEW (Circle one)			Nw to				

CONTRACTOR Duke Drilling
TYPE OF JOB Plug
HOLE SIZE 7 7/8 T.D. 1480
CASING SIZE 8 5/8 DEPTH 479
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1480
TOOL DEPTH
PRES. MAX 150 MINIMUM 0
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 14.8, 9.1, 3.3

OWNER Vincent

EQUIPMENT

PUMP TRUCK #470/484 CEMENTER Virgil Newton
HELPER Lenny B.
BULK TRUCK # 472/467 DRIVER Jeremiah / Jose
BULK TRUCK # DRIVER

CEMENT

AMOUNT ORDERED 210 sks Class 'A' 60/40 4% Gel

COMMON	210sk 'A'	@ 16.25	3,412.50
POZMIX	84 sks	@ 8.50	714.00
GEL	7.22	@ 21.25	153.43
CHLORIDE		@	
ASC		@	
HANDLING	302.02	@ 2.25	679.75
MILEAGE	15,061	0.11	1,656.71
		TOTAL	6,614.39

REMARKS:

Pump 10 BBL Water, Mix Pump 50sk 'A' cement, Pump 7 BBL Water, Pump 54.8 BBL Mud (Rig) - Mix & Pump 40 Sk 'A' Cement, Pump 9.1 BBL Water, Mix & Pump 50 Sk 'A' Cement, Pump 3.3 BBL Water, Mix & Pump 20 Sk 'A' Cement, Circulated Cement, Mix & Pump 20 Sk 'A' Cement, Circulated Cement, Mix & Pump 3 Sk 'A' Cement, Circulated Cement

SERVICE

DEPTH OF JOB	1480		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE (H)	50	@ 7.00	350.00
MANIFOLD		@	
Mileage (L)	50	@ 4.00	200.00
		@	
		TOTAL	1800.00

CHARGE TO: Vincent
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

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

SALES TAX (If Any)
TOTAL CHARGES $8414.39
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Emigdio Rojas

SIGNATURE Emigdio Rojas

DRILL STEM TEST REPORT

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41259 **DST#: 1**

Test Start: 2012.04.05 @ 06:15:00

GENERAL INFORMATION:

Formation: **Bass Penn**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:03:30
Time Test Ended: 14:58:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Harley Davidson
Unit No: 58

Interval: 4883.00 ft (KB) To 4990.00 ft (KB) (TVD)
Total Depth: 4990.00 ft (KB) (TVD)
Hole Diameter: inches Hole Condition: Fair

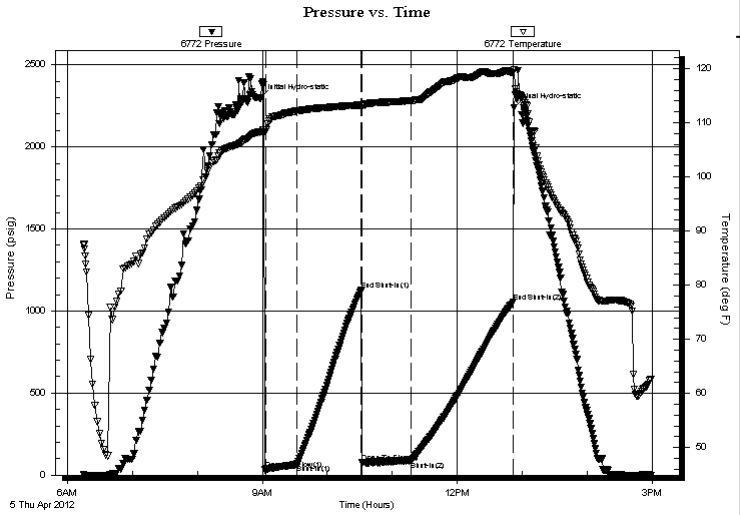
Reference Elevations: 2492.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Outside**

Press@RunDepth: 85.83 psig @ 4884.00 ft (KB)
Start Date: 2012.04.05 End Date: 2012.04.05
Start Time: 06:15:05 End Time: 14:58:45

Capacity: 8000.00 psig
Last Calib.: 2012.04.05
Time On Btm: 2012.04.05 @ 08:58:15
Time Off Btm: 2012.04.05 @ 12:52:15

TEST COMMENT: IF- Good building blow 5.5 min BOB.
ISI- No blow back.
FF- Strong blow BOB ASAO.
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2296.15	108.31	Initial Hydro-static
6	36.60	108.29	Open To Flow (1)
34	65.08	112.19	Shut-In(1)
93	1125.24	113.30	End Shut-In(1)
94	75.73	113.07	Open To Flow (2)
139	85.83	114.07	Shut-In(2)
234	1055.51	119.25	End Shut-In(2)
234	2238.14	119.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2000' GIP	0.00
210.00	slightly oil cut mud	1.27

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41259 **DST#: 1**

Test Start: 2012.04.05 @ 06:15:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2000' GIP	0.000
210.00	slightly oil cut mud	1.270

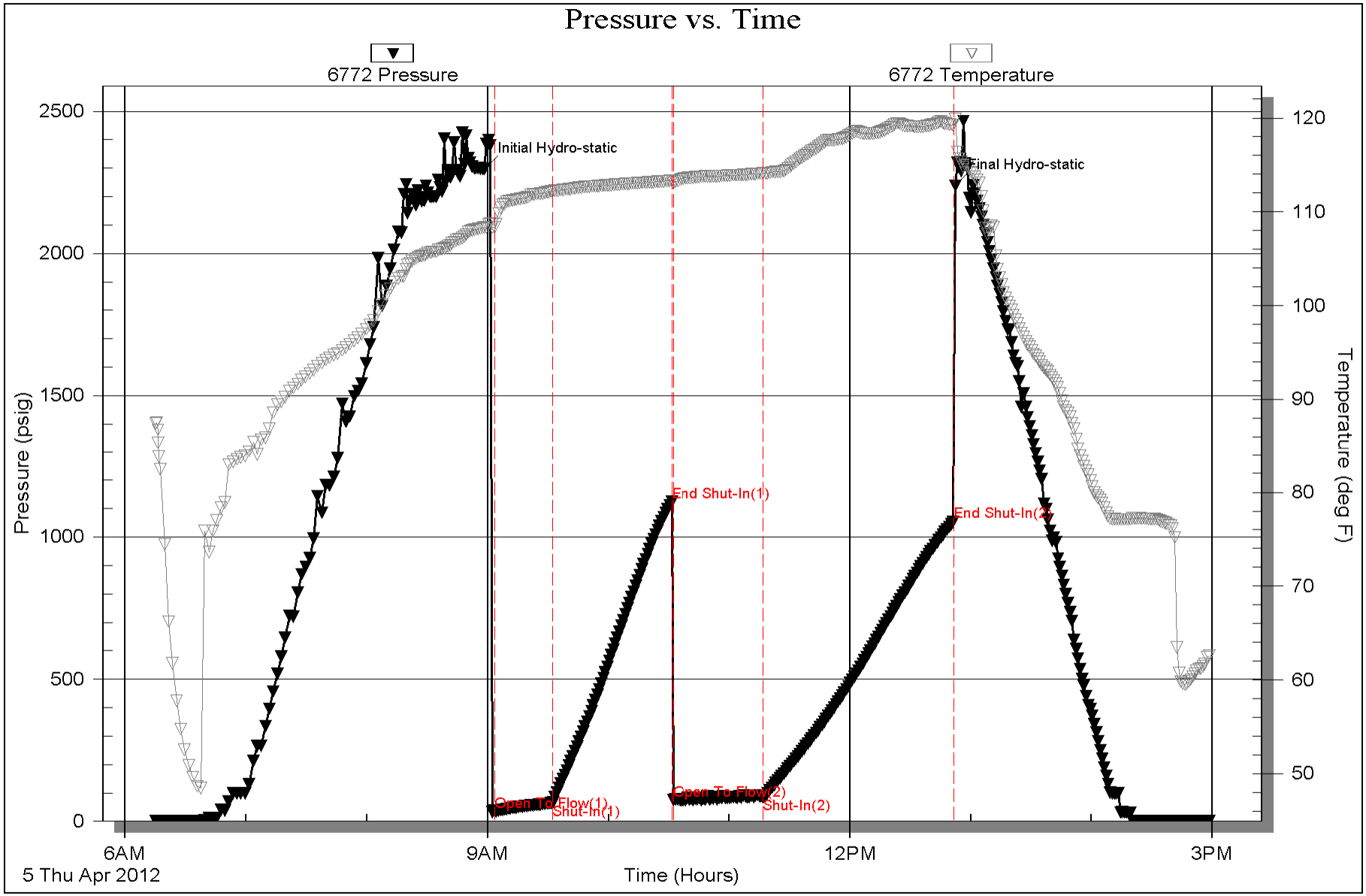
Total Length: 210.00 ft Total Volume: 1.270 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6772 **Outside** Vincent Oil Muirhead Trust #1-24 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 41259 Printed: 2012.04.05 @ 16:02:04

DRILL STEM TEST REPORT

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41260 **DST#: 2**

Test Start: 2012.04.06 @ 02:00:00

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:30:15
Time Test Ended: 09:21:15

Test Type: Conventional Bottom Hole (Initial)
Tester: HArley Davidson
Unit No: 58

Interval: 4983.00 ft (KB) To 5027.00 ft (KB) (TVD)
Total Depth: 5027.00 ft (KB) (TVD)
Hole Diameter: inches Hole Condition: Fair

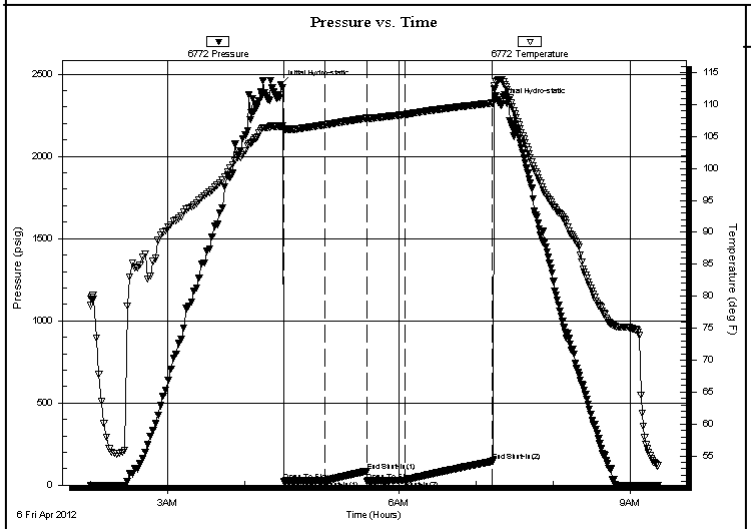
Reference Elevations: 2492.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Outside**

Press@RunDepth: 27.55 psig @ 4984.00 ft (KB)
Start Date: 2012.04.06 End Date: 2012.04.06
Start Time: 02:00:05 End Time: 09:21:14

Capacity: 8000.00 psig
Last Calib.: 2012.04.06
Time On Btm: 2012.04.06 @ 04:28:15
Time Off Btm: 2012.04.06 @ 07:17:15

TEST COMMENT: IF- Weak surface blow 1 1/4 "into bucket
ISI- No blow back.
FF- Weak blow 1.5" into bucket.
FSI- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2436.76	106.62	Initial Hydro-static
2	23.09	106.09	Open To Flow (1)
34	27.53	106.81	Shut-In(1)
67	85.07	107.85	End Shut-In(1)
67	24.01	107.81	Open To Flow (2)
96	27.55	108.42	Shut-In(2)
165	144.96	110.21	End Shut-In(2)
169	2330.30	113.84	Final Hydro-static

Recovery

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

Gas Rates

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

DRILL STEM TEST REPORT

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41260 **DST#: 2**

Test Start: 2012.04.06 @ 02:00:00

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:30:15
Time Test Ended: 09:21:15

Test Type: Conventional Bottom Hole (Initial)
Tester: HArley Davidson
Unit No: 58

Interval: 4983.00 ft (KB) To 5027.00 ft (KB) (TVD)
Total Depth: 5027.00 ft (KB) (TVD)
Hole Diameter: inches Hole Condition: Fair

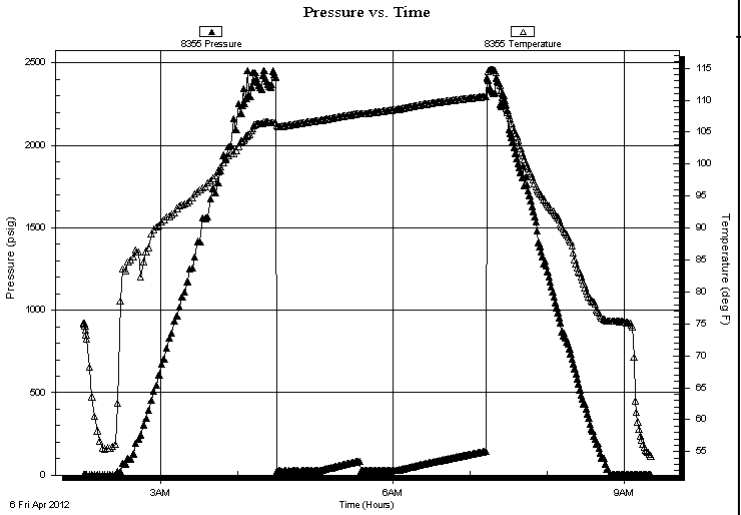
Reference Elevations: 2492.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8355 **Inside**

Press@RunDepth: psig @ 4984.00 ft (KB)
Start Date: 2012.04.06 End Date: 2012.04.06
Start Time: 02:00:05 End Time: 09:20:44

Capacity: 8000.00 psig
Last Calib.: 2012.04.06
Time On Btm:
Time Off Btm:

TEST COMMENT: IF- Weak surface blow 1 1/4 "into bucket
ISI- No blow back.
FF- Weak blow 1.5" into bucket.
FSI- No blow back.



PRESSURE SUMMARY

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

Recovery

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

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41260 **DST#: 2**

Test Start: 2012.04.06 @ 02:00:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100%mud	0.074

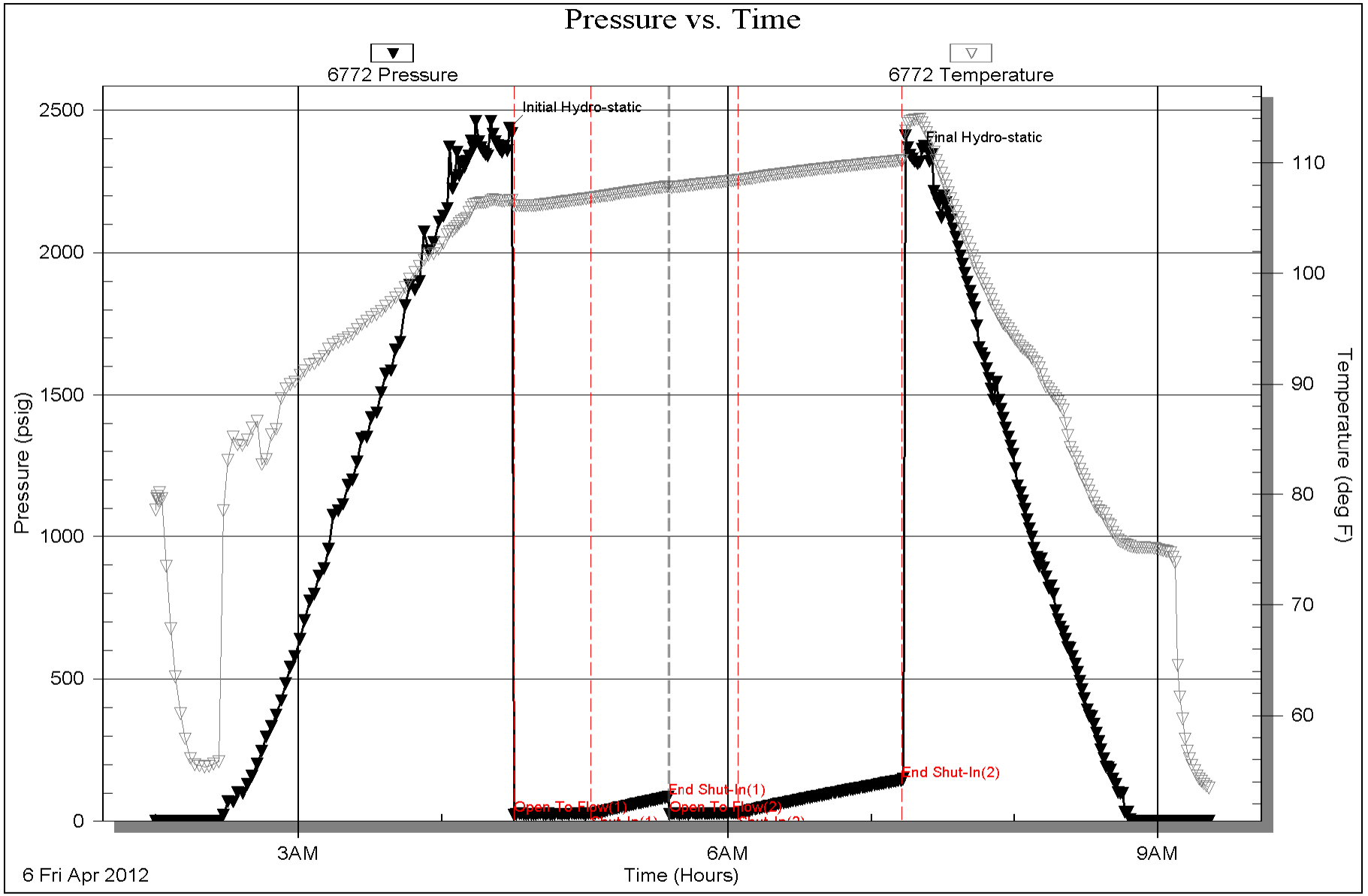
Total Length: 15.00 ft Total Volume: 0.074 bbl

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

Laboratory Name: Laboratory Location:

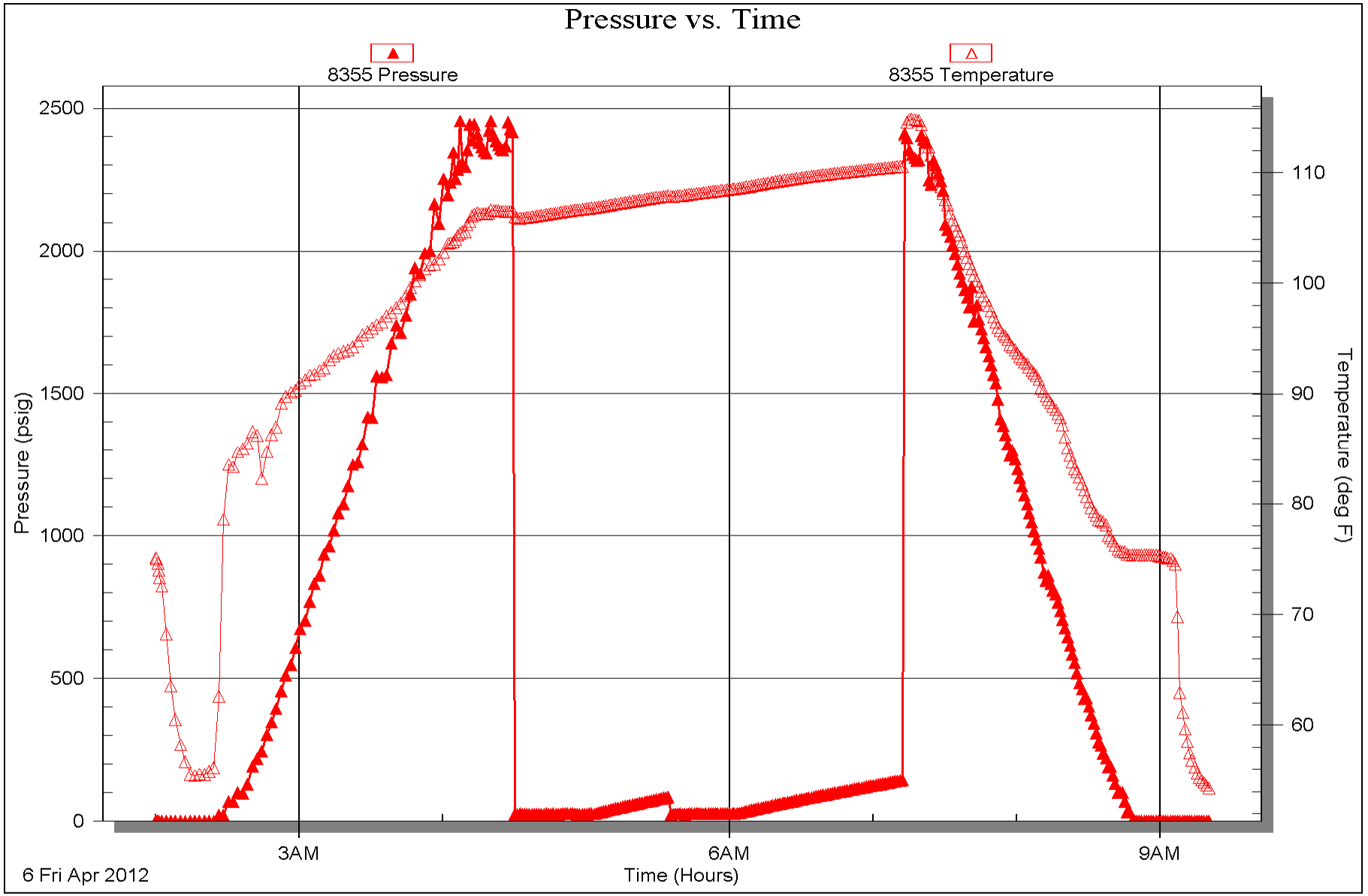
Recovery Comments:

Serial #: 6772 **Outside** Vincent Oil Muirhead Trust #1-24 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 41260 Printed: 2012.04.06 @ 16:03:53

Serial #: 8355 **Inside** Vincent Oil Muirhead Trust #1-24 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 41260 Printed: 2012.04.06 @ 16:03:53

DRILL STEM TEST REPORT

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41261 **DST#: 3**

Test Start: 2012.04.06 @ 20:00:00

GENERAL INFORMATION:

Formation: **Morrow Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:52:45
Time Test Ended: 05:16:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Harley Davidson
Unit No: 58

Interval: 4981.00 ft (KB) To 5052.00 ft (KB) (TVD)
Total Depth: 5052.00 ft (KB) (TVD)
Hole Diameter: inches Hole Condition: Fair

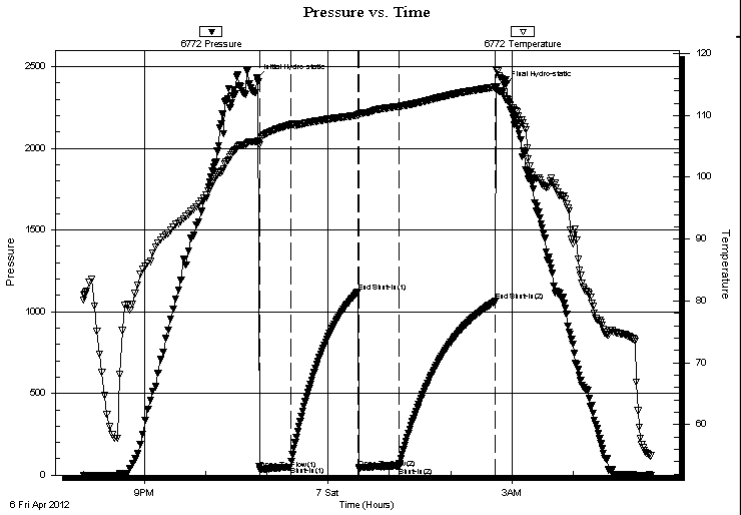
Reference Elevations: 2492.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6772 **Outside**

Press@RunDepth: 48.65 psig @ 4982.00 ft (KB)
Start Date: 2012.04.06 End Date: 2012.04.07
Start Time: 20:00:05 End Time: 05:16:30

Capacity: 8000.00 psig
Last Calib.: 2012.04.07
Time On Btm: 2012.04.06 @ 22:50:00
Time Off Btm: 2012.04.07 @ 02:52:30

TEST COMMENT: IF- Stong blow BOB 1min.
ISI- No blow back.
FF- Strong blow BOB ASAO, Started to die back after 3min.
FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2429.88	105.81	Initial Hydro-static
3	34.52	105.28	Open To Flow (1)
33	51.27	108.50	Shut-In(1)
99	1119.61	110.03	End Shut-In(1)
101	44.40	110.23	Open To Flow (2)
140	48.65	111.46	Shut-In(2)
234	1062.89	114.61	End Shut-In(2)
243	2386.70	113.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1500' GIP	0.00
80.00	100%mud with a trace of oil	0.39

Gas Rates

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

DRILL STEM TEST REPORT

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41261 **DST#: 3**

Test Start: 2012.04.06 @ 20:00:00

GENERAL INFORMATION:

Formation: **Morrow Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:52:45
Time Test Ended: 05:16:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Harley Davidson
Unit No: 58

Interval: 4981.00 ft (KB) To 5052.00 ft (KB) (TVD)
Total Depth: 5052.00 ft (KB) (TVD)
Hole Diameter: inches Hole Condition: Fair

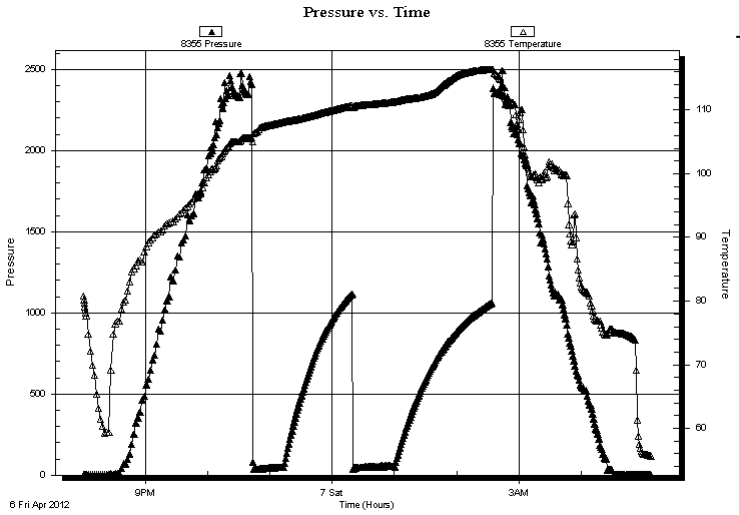
Reference Elevations: 2492.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8355 **Inside**

Press@RunDepth: psig @ 4982.00 ft (KB)
Start Date: 2012.04.06 End Date: 2012.04.07
Start Time: 20:00:05 End Time: 05:16:15

Capacity: 8000.00 psig
Last Calib.: 2012.04.07
Time On Btm:
Time Off Btm:

TEST COMMENT: IF- Stong blow BOB 1min.
ISI- No blow back.
FF- Strong blow BOB ASAO, Started to die back after 3min.
FSI- No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1500' GIP	0.00
80.00	100%mud with a trace of oil	0.39

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil

155 N Market Ste. 700 Wichita Ks. 67202

ATTN: Jim Hall

24/27/24

Muirhead Trust #1-24

Job Ticket: 41261 **DST#: 3**

Test Start: 2012.04.06 @ 20:00:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1500' GIP	0.000
80.00	100%mud with a trace of oil	0.393

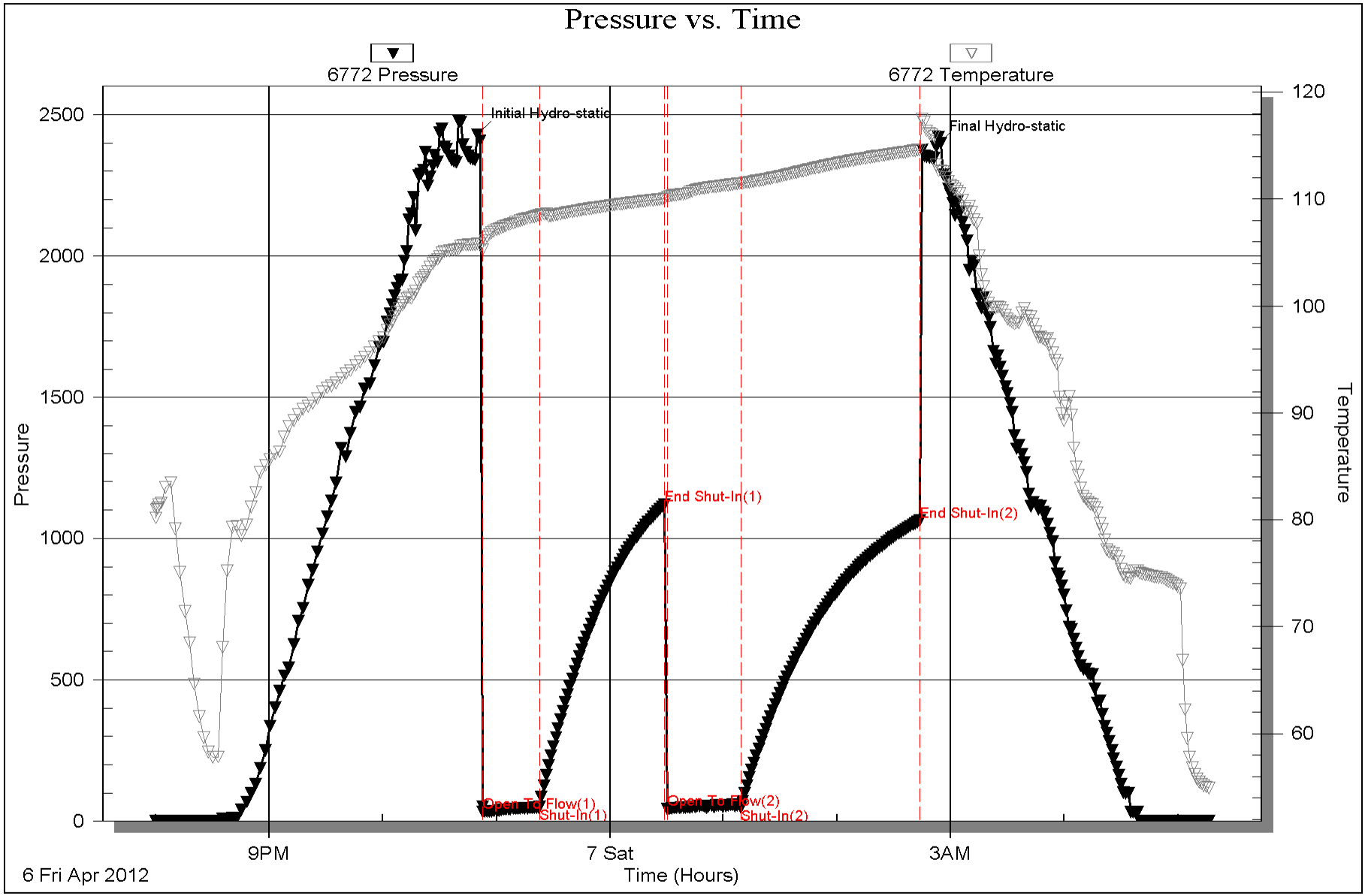
Total Length: 80.00 ft Total Volume: 0.393 bbl

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

Laboratory Name: Laboratory Location:

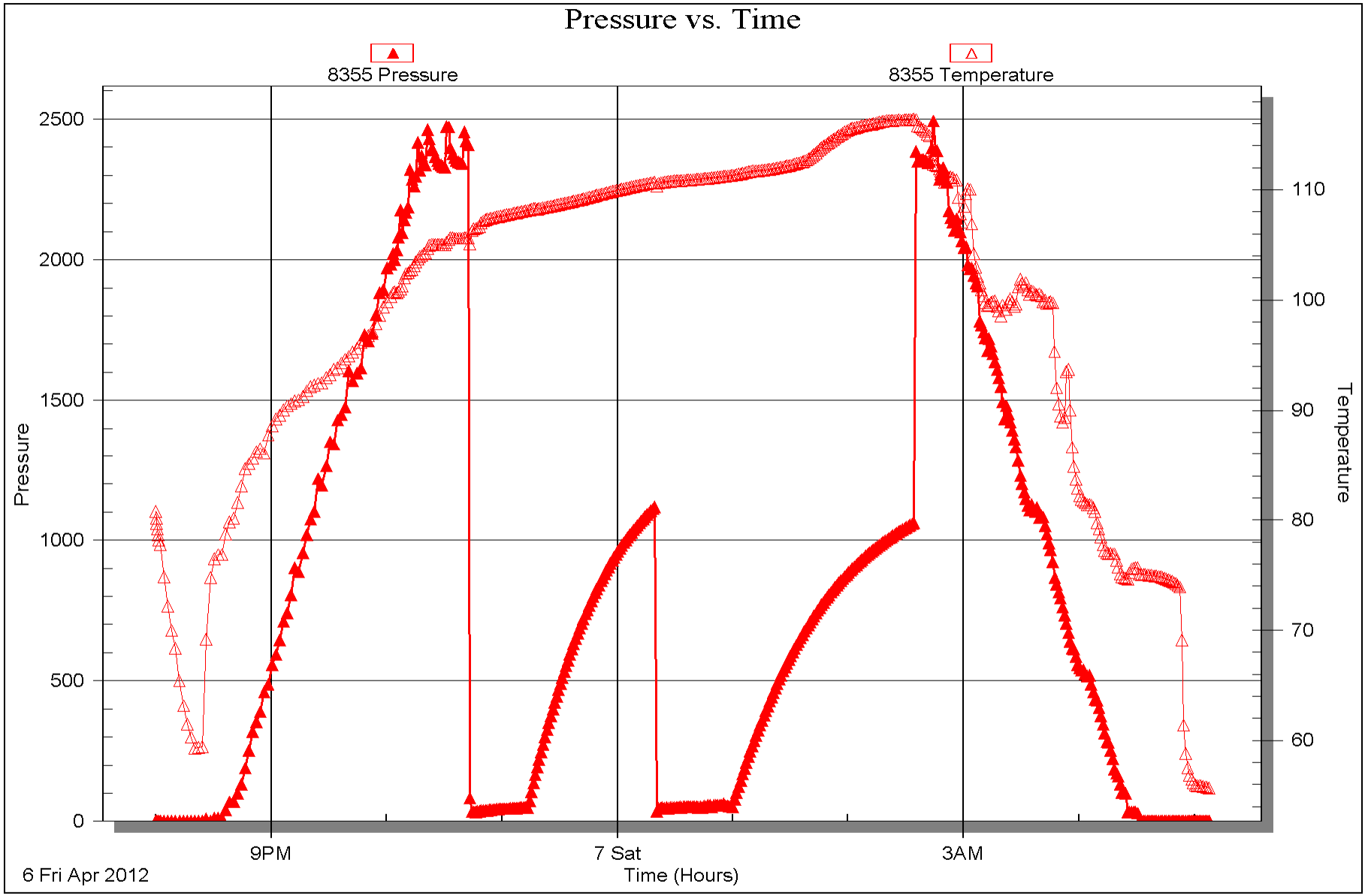
Recovery Comments:

Serial #: 6772 **Outside** Vincent Oil Muirhead Trust #1-24 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 41261 Printed: 2012.04.07 @ 10:27:33

Serial #: 8355 **Inside** Vincent Oil Muirhead Trust #1-24 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 41261 Printed: 2012.04.07 @ 10:27:33

LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name:	VINCENT OIL CORP. MUIRHEAD TRUST #1-24		
Location:	SW NW SW SE 24-T27S-R24W, FORD, CO. KANSAS		
License Number:	15-057-20791-00-00	**Region:**	WILDCAT
Spud Date:	3/28/12	**Drilling Completed:**	4/7/12
Surface Coordinates:	805' FSL, 2,560' FEL		
Bottom Hole Coordinates:			
Ground Elevation (ft):	2,479'	**K.B. Elevation (ft):**	2,492'
Logged Interval (ft):	4,050' **To:** 5,236	**Total Depth (ft):**	5,236'
Formation:	RTD IN; Mississippi		
Type of Drilling Fluid:	Native Mud to 3,819'. Chem. Gel. to RTD 5,236'.		

OPERATOR

Company: Vincent Oil Corporation
Address: 155 N. Market, Ste., 700
Wichita, Kansas 67202-1821
(316)-262-3573

GEOLOGIST

Name: James R Hall (Well Site Supervision)
Company: Black Gold Petroleum
Address: 5530 N. Sedgwick
Wichita, Kansas 67204-1828
(316) 838-2574, (316)-217-1223

Comments

Drilling contractor: Duke Drilling, Rig #9, Pusher: Emigdio Rojas, Spud 3/28/12. RTD 5,236'.
Surface Casing: 8 5/8" set at 479' w/ 300sx, cement Did circulate.

Production Casing: P&A, 4/8/12.

Deviation Surveys: 0.75@ 483', 1 @ 1,476', 1 @ 2,490', 1 @ 3,442', 0.75 @ 4,574', 0.75, 0.75 @ 4,990', 0.75 @ 5,236'.

Bit Record:
#1 12 1/4" out @ 483'.
#2 7 7/8" JZ QX28 in @ 483', out @ 5,236', made 4,753' in 137.75 Hrs.

Drilling time commenced: @ 2,500'. Minimum 10' wet and dry samples commenced: @ 4,050' to 5,236'. Samples delivered to Kansas Geological Sample Library at Wichita, Kansas.

Gas Detector: MBC Well Logging, unit #8, Commenced at 4,050' to 5,236'. Paper Output. Hotwire gas values were read off the paper chart and lagged to the drilling time by the well site geologist. The original charts were delivered to Vincent Oil Corporation.

Mud System: Mud-Co/Service Mud. Chemical Gel system @ 3,819', Mud Engineer: Justin Whiting & Terry Ison.

DST CO. Trilobite, Tester: Harley Davidson, (Hugoton Ks office).

OH Logs: Superior Well Services (Hays Kansas),
Operator: Jeff Luebbers).
DIL, CDL/CNL/PE, MEL/SON.
Note: Correlation of the OH Logs with the Rotary drilling time indicates the OH Log depths are approximately 4 feet deeper to the drilling time depths.The Gamma Ray and Caliper curves on this log has been adjusted up hole 4 feet to correlate with the rotary drilling time depths on this report.

OH Log Formation Tops: Heebner 4,972 (-2480), Brown Lm 4,286 (-1794), Lansing 4296 (-1804), Stark Sh 4,627 (-2135), Hushpuckney Sh 4,672 (-2180), Marmaton 4,766 (-2274), Pawnee 4,842 (-2350), Labette Sh 4,868 (-2376), Cherokee Sh 4,890 (-2398) , Basal Penn 4,991 (-2499), Sand 5,031 (-2539), Cherty Cong. 5,040 (-2548), Mississippian 5,088 (-2596).

DSTs

DST #1 4,883' - 4,990' (107' anchor), 30-60-45-90, IH 2296, IF 37-65 (BOB 5.5min), ISI 1125 (No blow), FF 76-86 (BOB ASAO), FSI 1056 (No blow), Rec: 2,000' GIP, 210' SOCM (slight oil, 100%mud), BHT 119 F.

DST #2 (Morrow Sand) 4,983' - 5,027' (44' anchor), 30-30-30-60, IH 2437, IF 23-28 (weak 3/4"), ISI 85 (No blow), FF24-28 (weak 1.5"), FSI 145, FH 2330, Rec; 15 mud (100%mud), BHT 112F.

DST #3 (Morrow Miss) 4,981 - 5052 (71' anchor), IH 2430, IF 35-51 (BOB 1min), ISI 1120 (No blow), FF 44-49 (BOB ASAO, flow less strong after 3min), FSI 1063 (No blow), FH 2387, Rec; 1500' GIP, 80' Mud with trace of oil, BHT 114 F.

Classification

AFTER DUNHAM: GRAIN; any fossil, fossil fragment, sand grain, or other rock fragment within the rock. MUDSTONE; muddy carbonate rocks containing less than 10% grains. WACKESTONE; mud supported carbonate rocks with more than 10% grains. PACKSTONE; grain supported muddy carbonate rocks. GRAINSTONE; mud free carbonate rock, grain supported. BOUNDSTONE; carbonate rock bound together at deposition (coral, etc.). CRYSTALLINE CARBONATE; carbonate rock retaining to little of their depositional texture to be classified.

ROCK TYPES

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOW

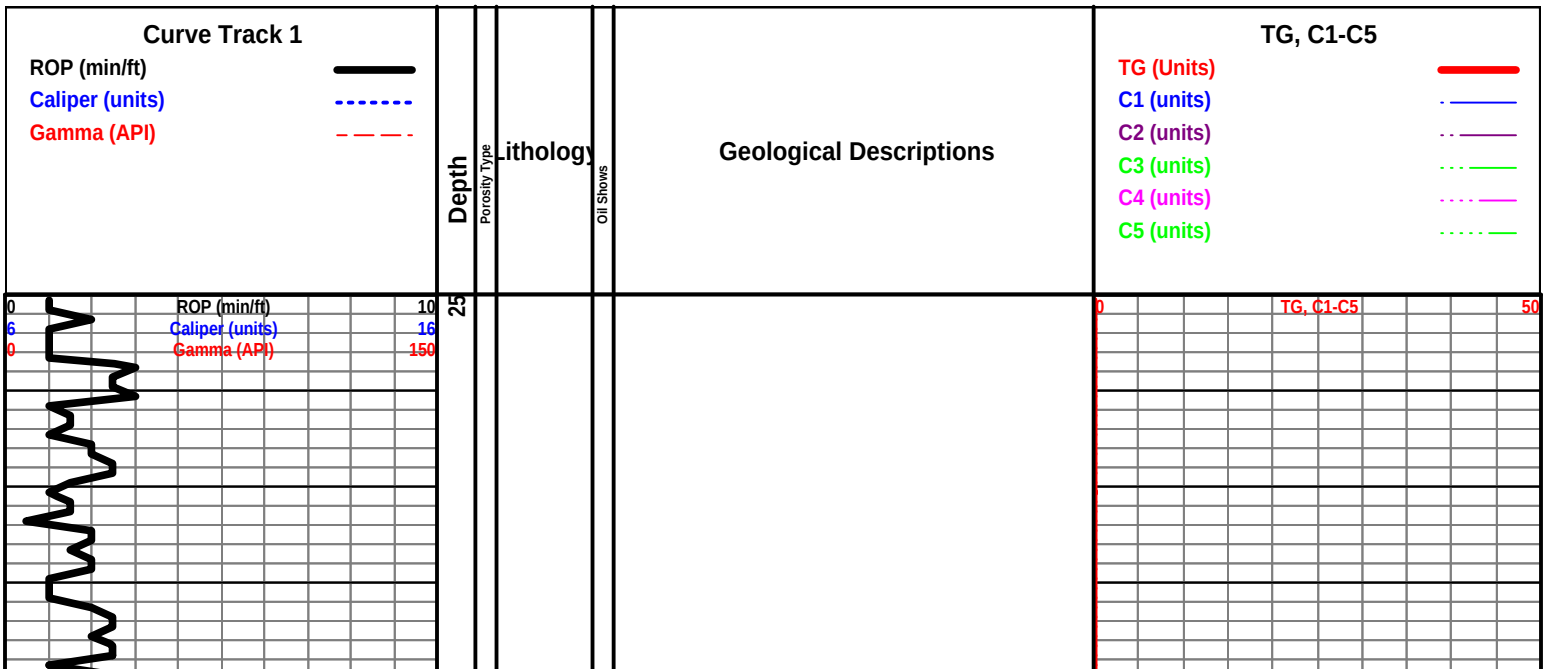
- Even
- Spotted
- Ques
- Dead

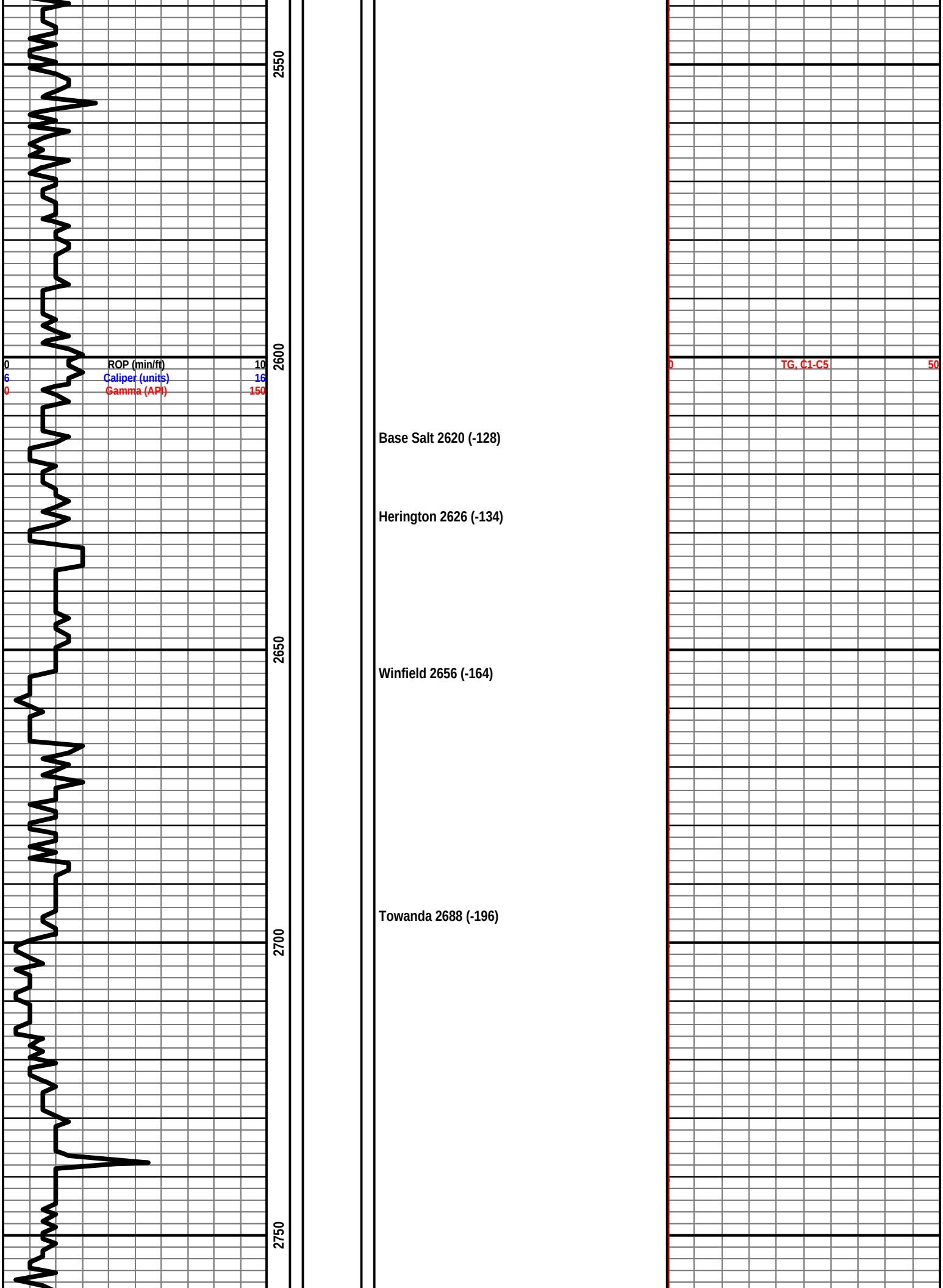
INTERVAL

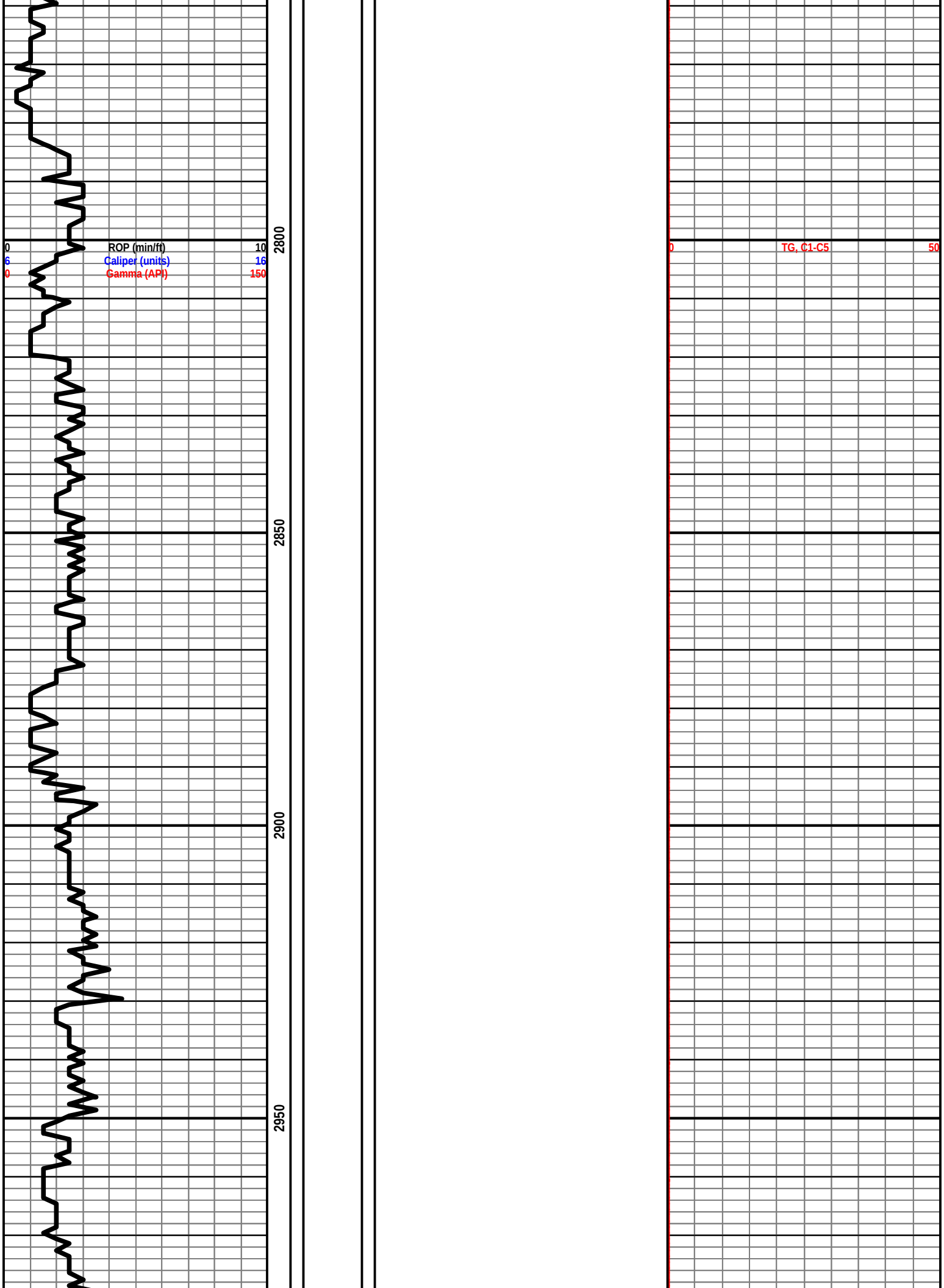
- Core
- Dst

EVENT

- Rft
- Sidewall




0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
0
TG, C1-C5
50
2550
2600
2650
2700
2750
Base Salt 2620 (-128)
Herington 2626 (-134)
Winfield 2656 (-164)
Towanda 2688 (-196)


0
ROP (min/ft)
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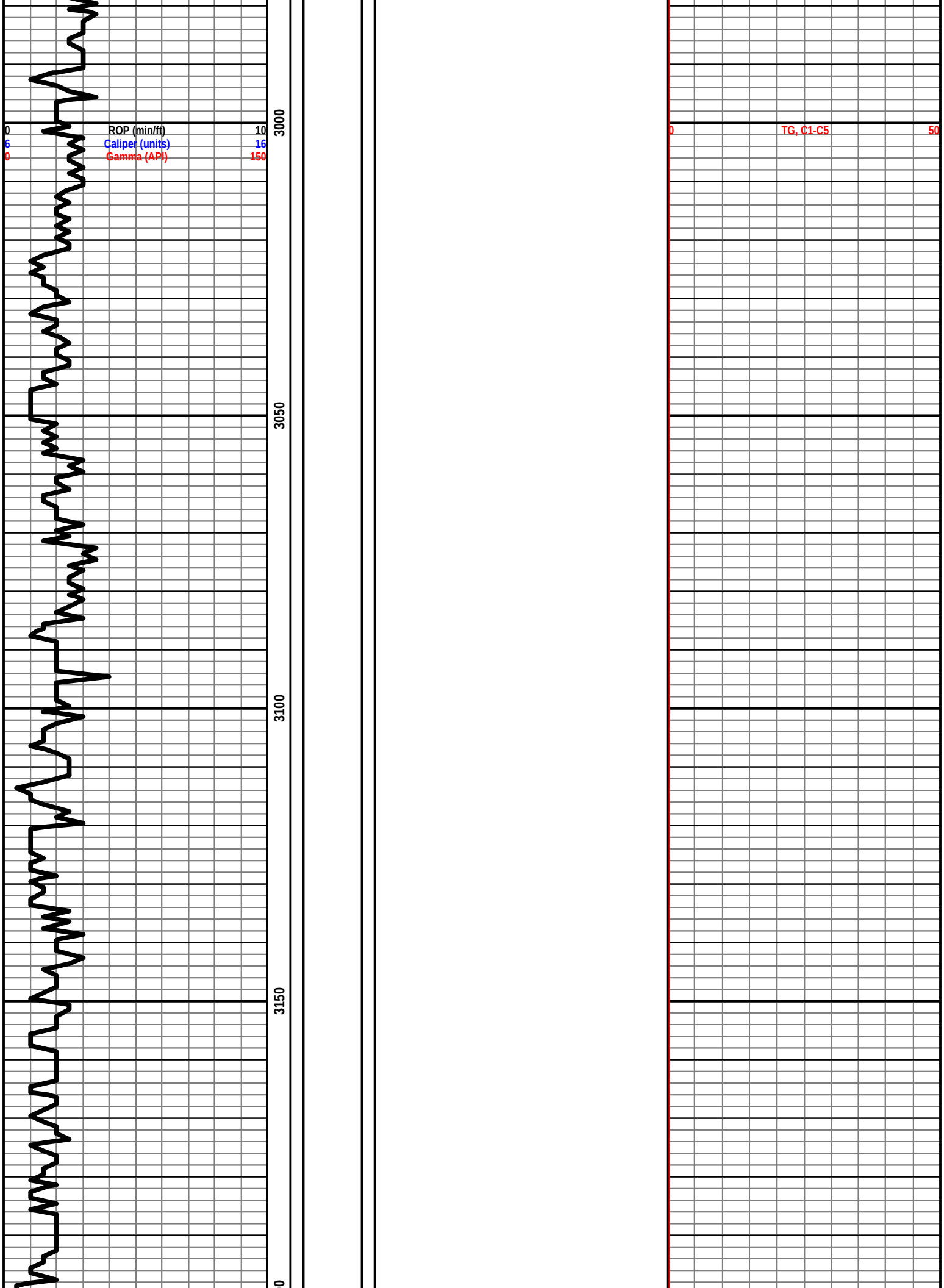
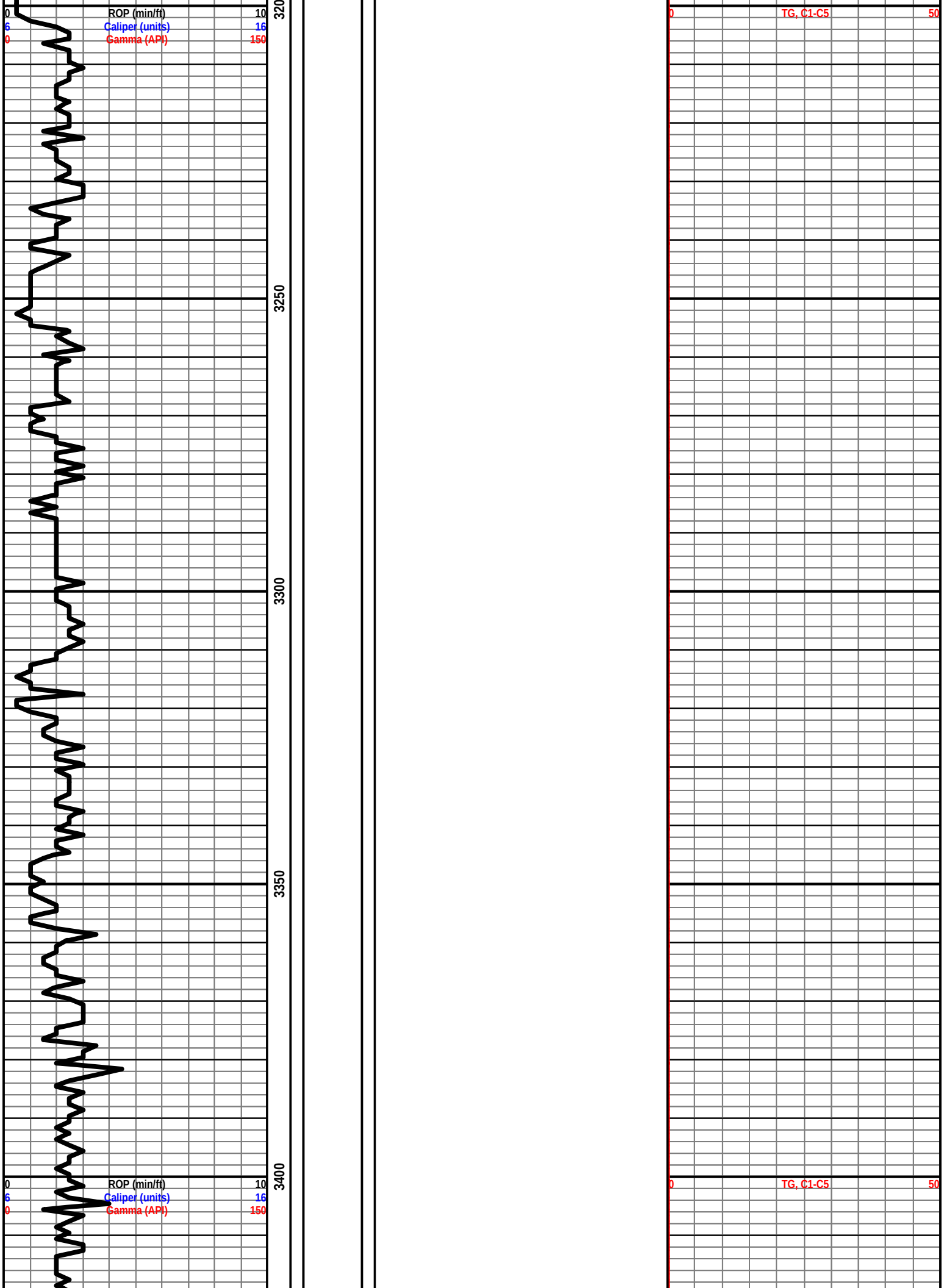
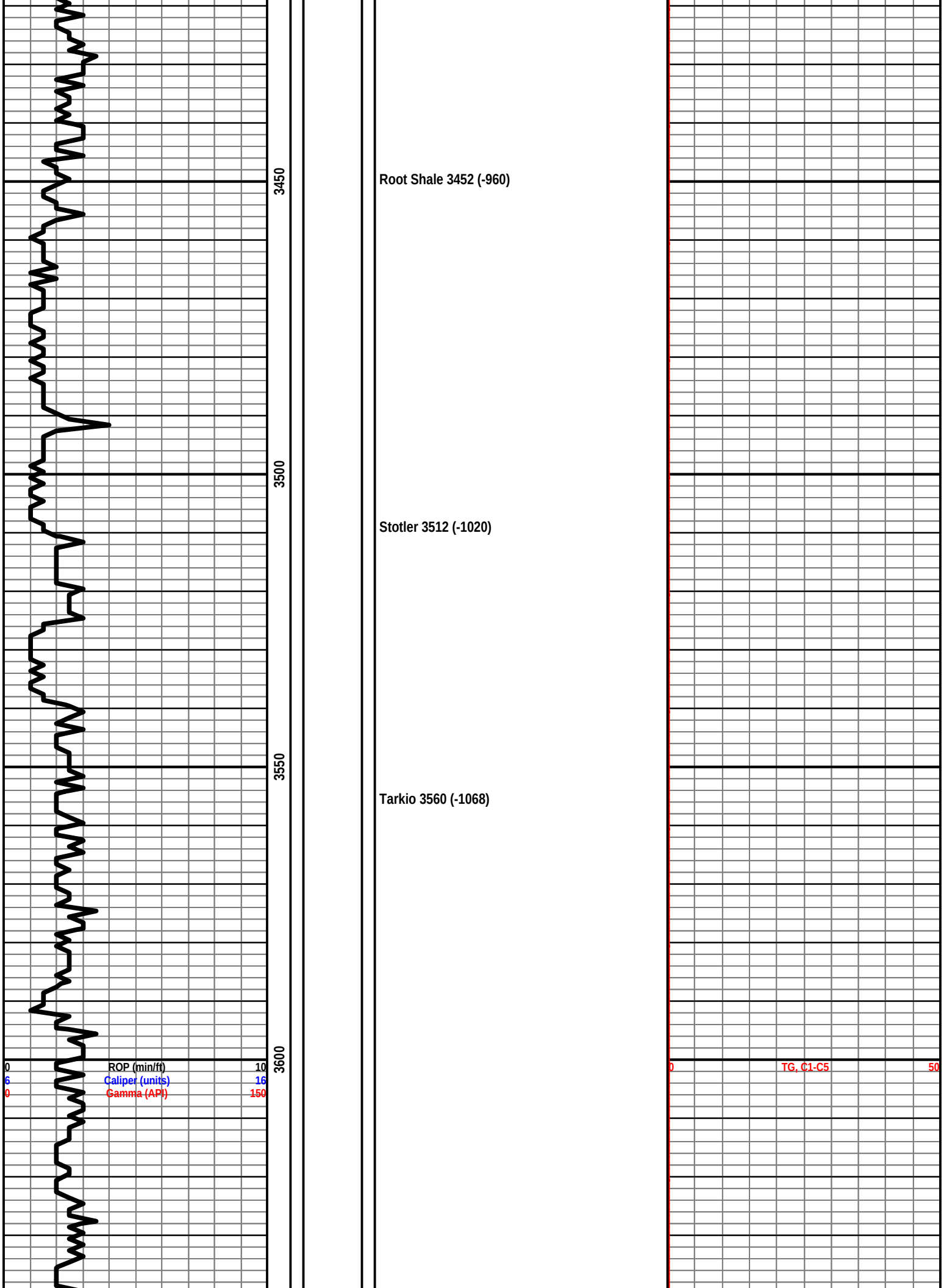
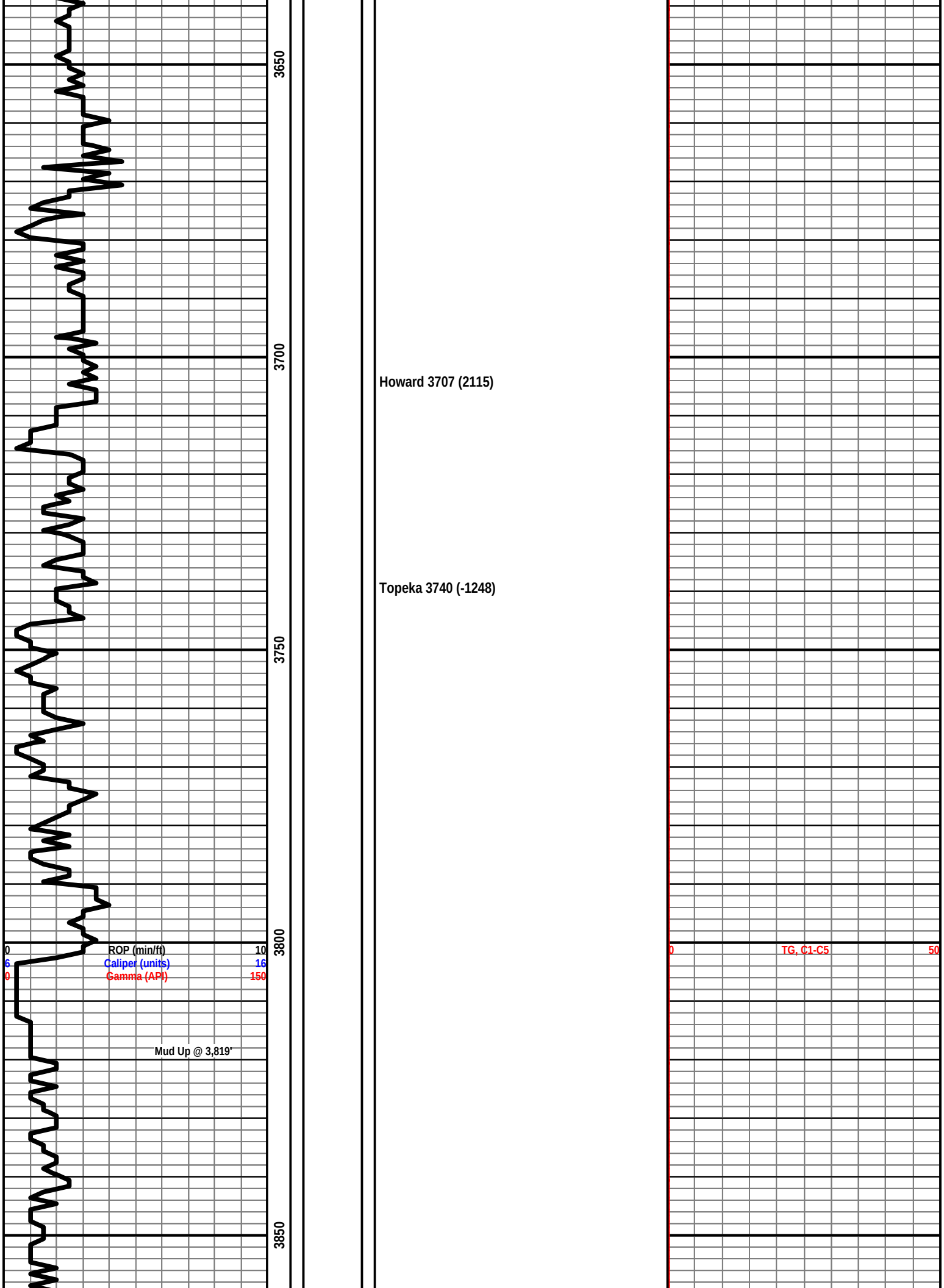
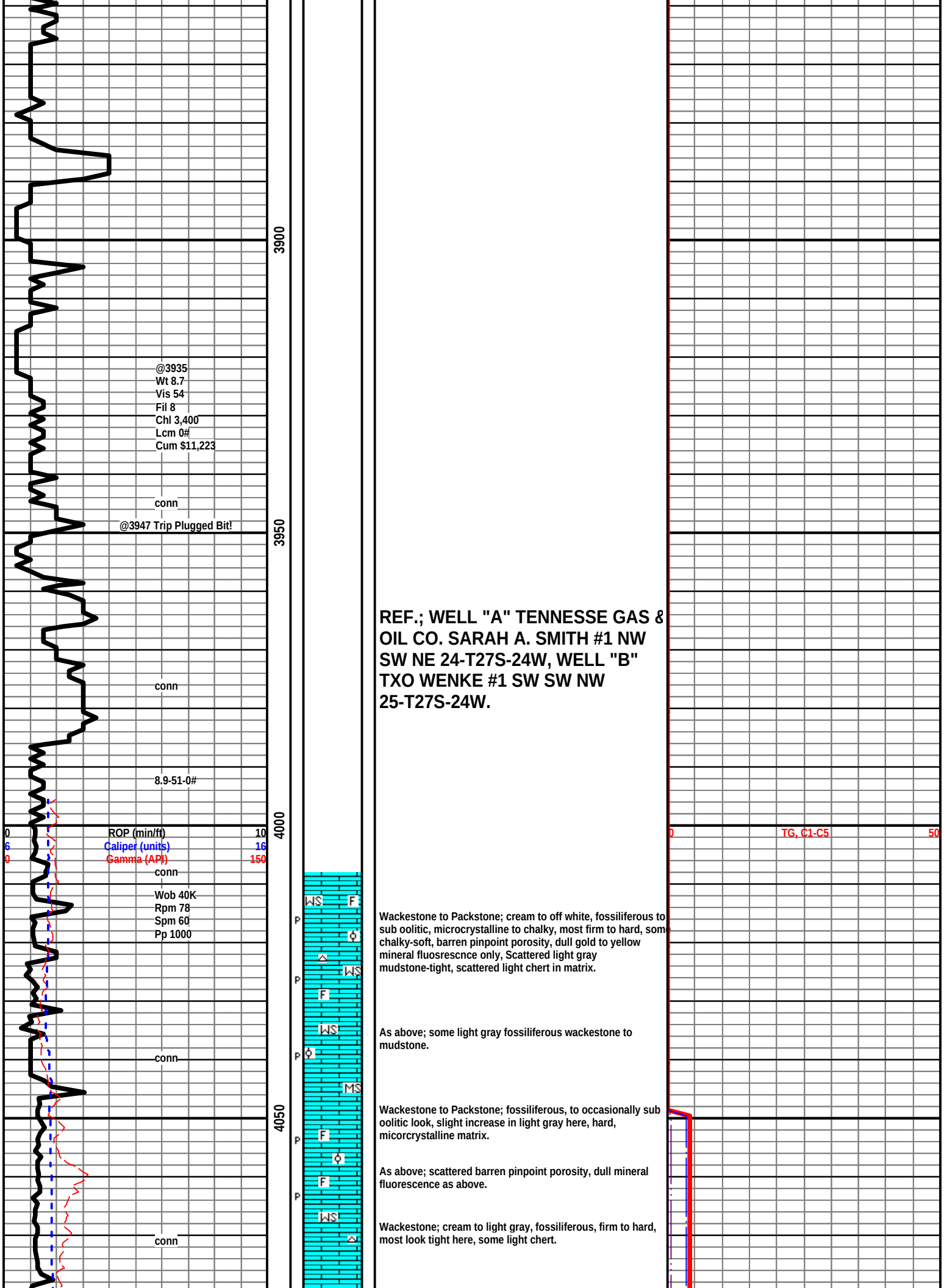
6
Caliper (units)
16
0
Gamma (API)
150
2800
2850
2900
2950
0
TG, C1-C5
50

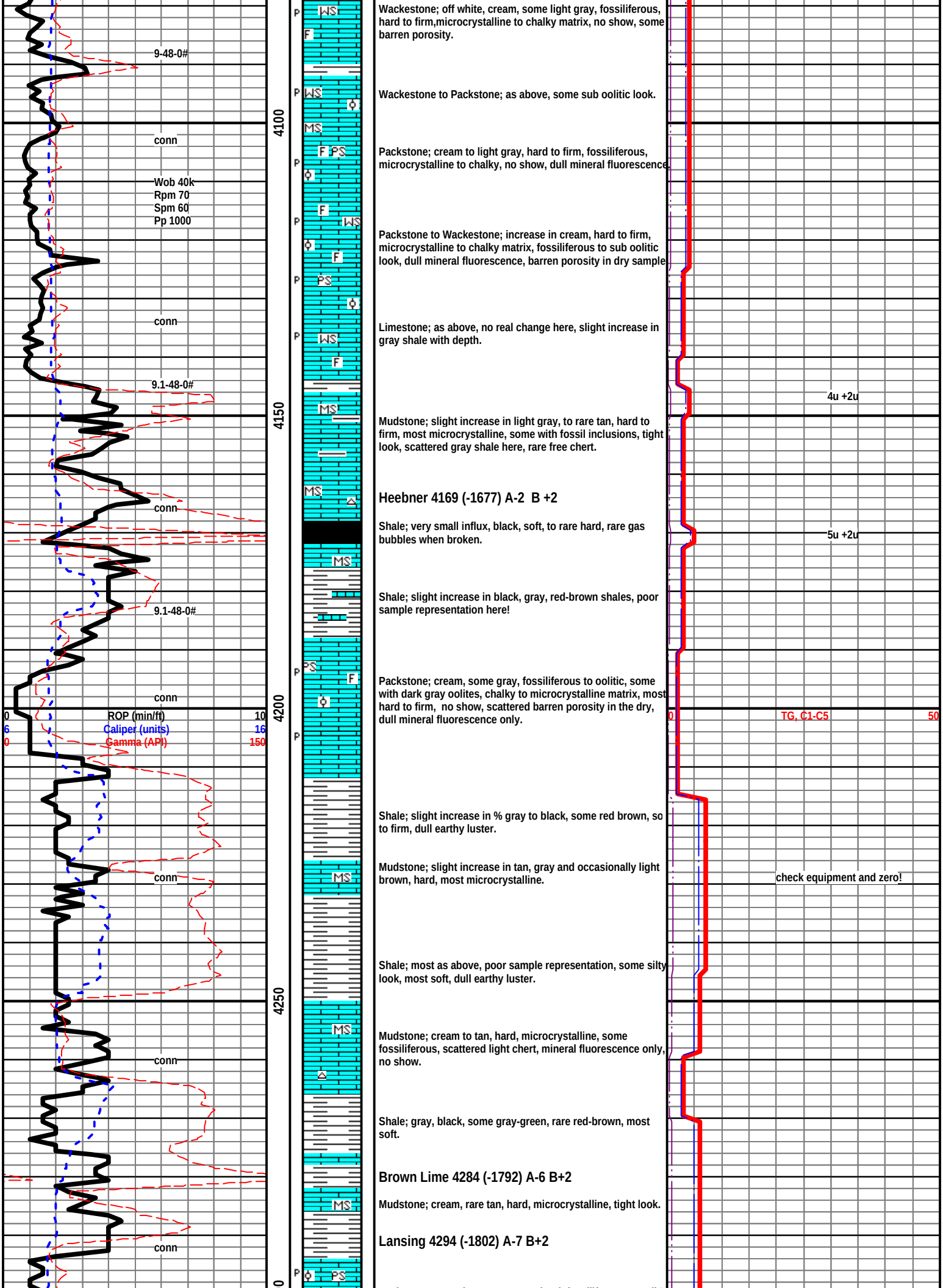

0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
3000
3050
3100
3150
0
TG, C1-C5
50

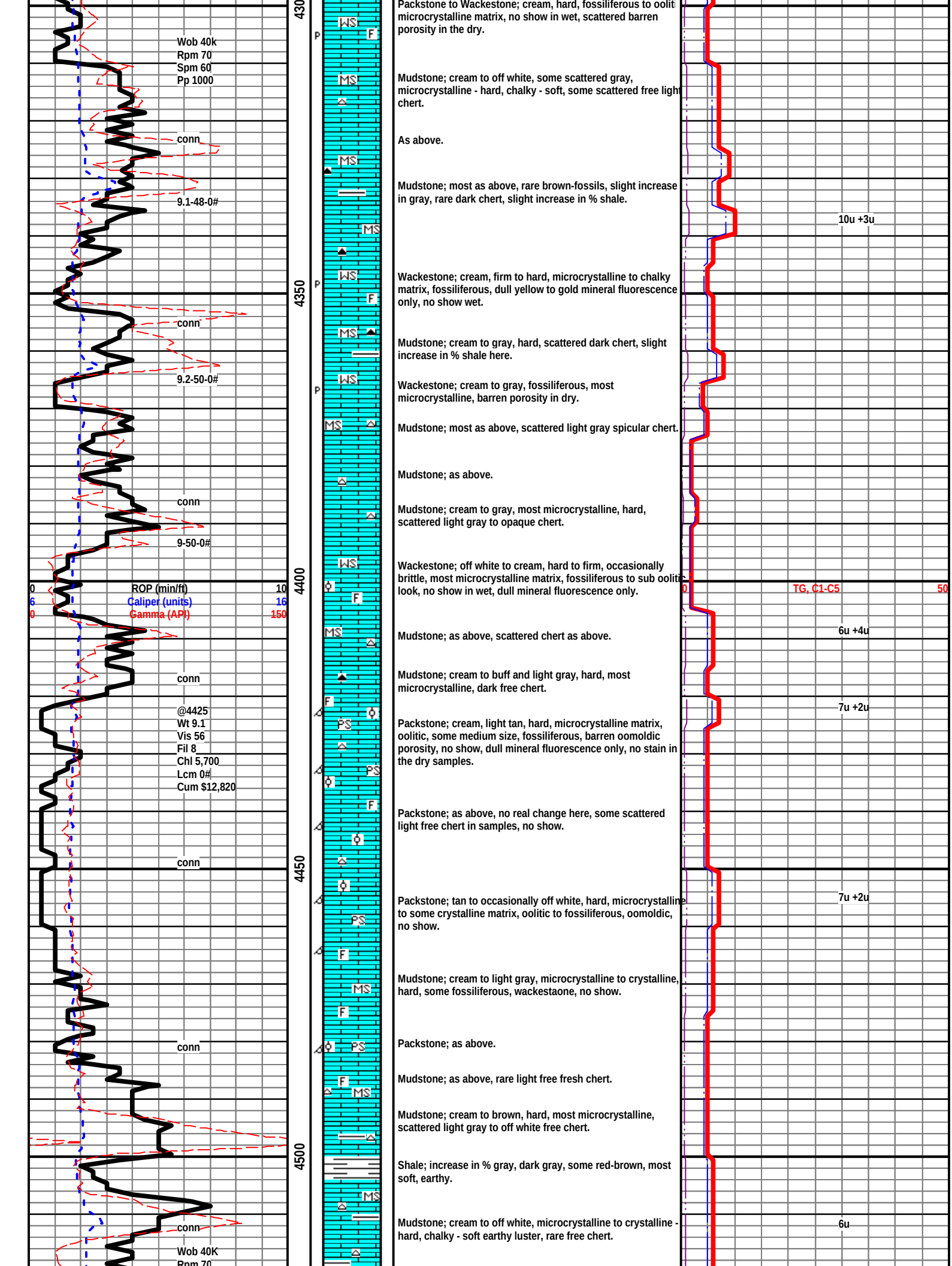

0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
3200
3250
3300
3350
3400
0
TG, C1-C5
50

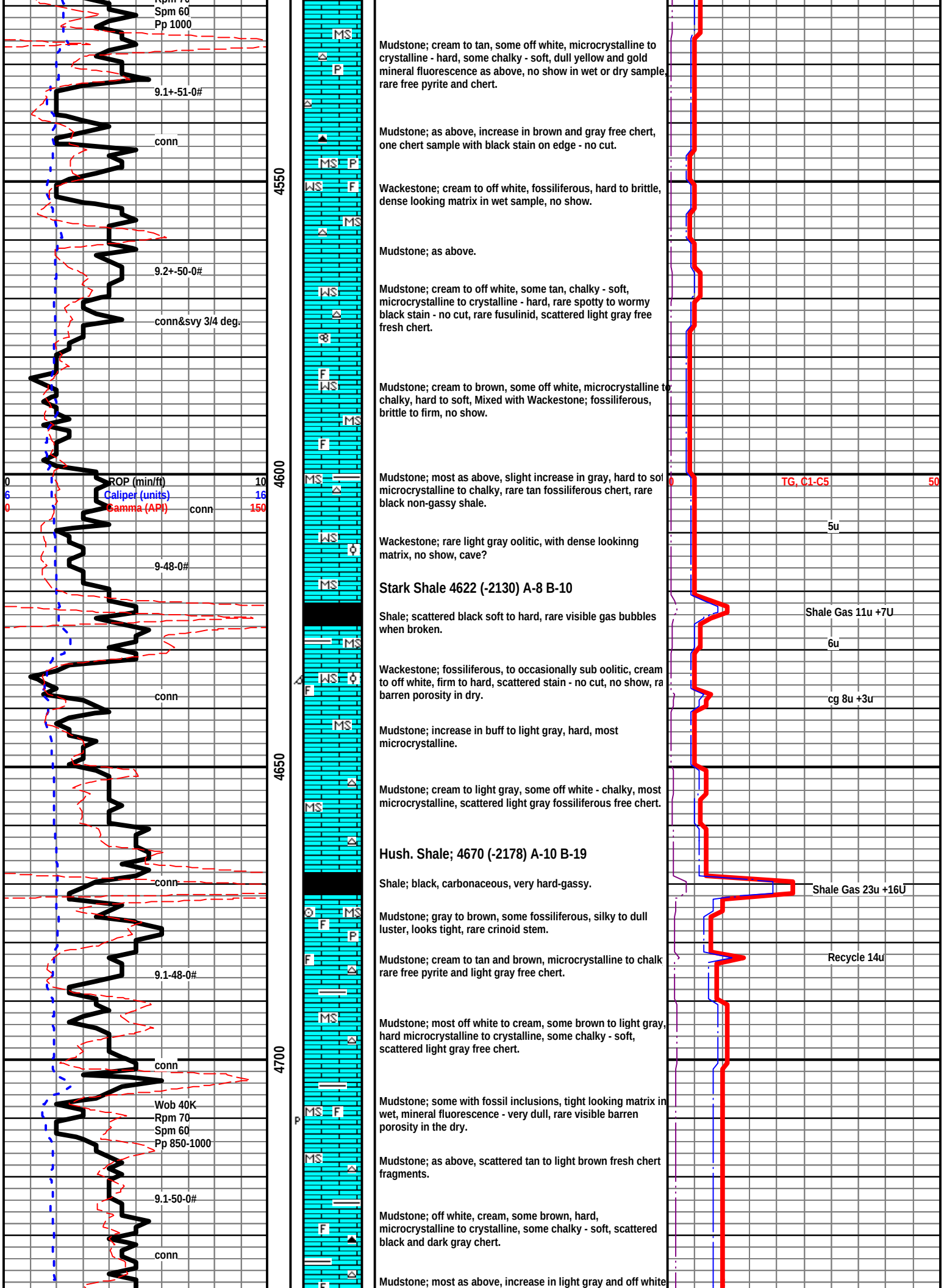

3450
3500
3550
3600
Root Shale 3452 (-960)
Stotler 3512 (-1020)
Tarkio 3560 (-1068)
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
0
TG, C1-C5
50

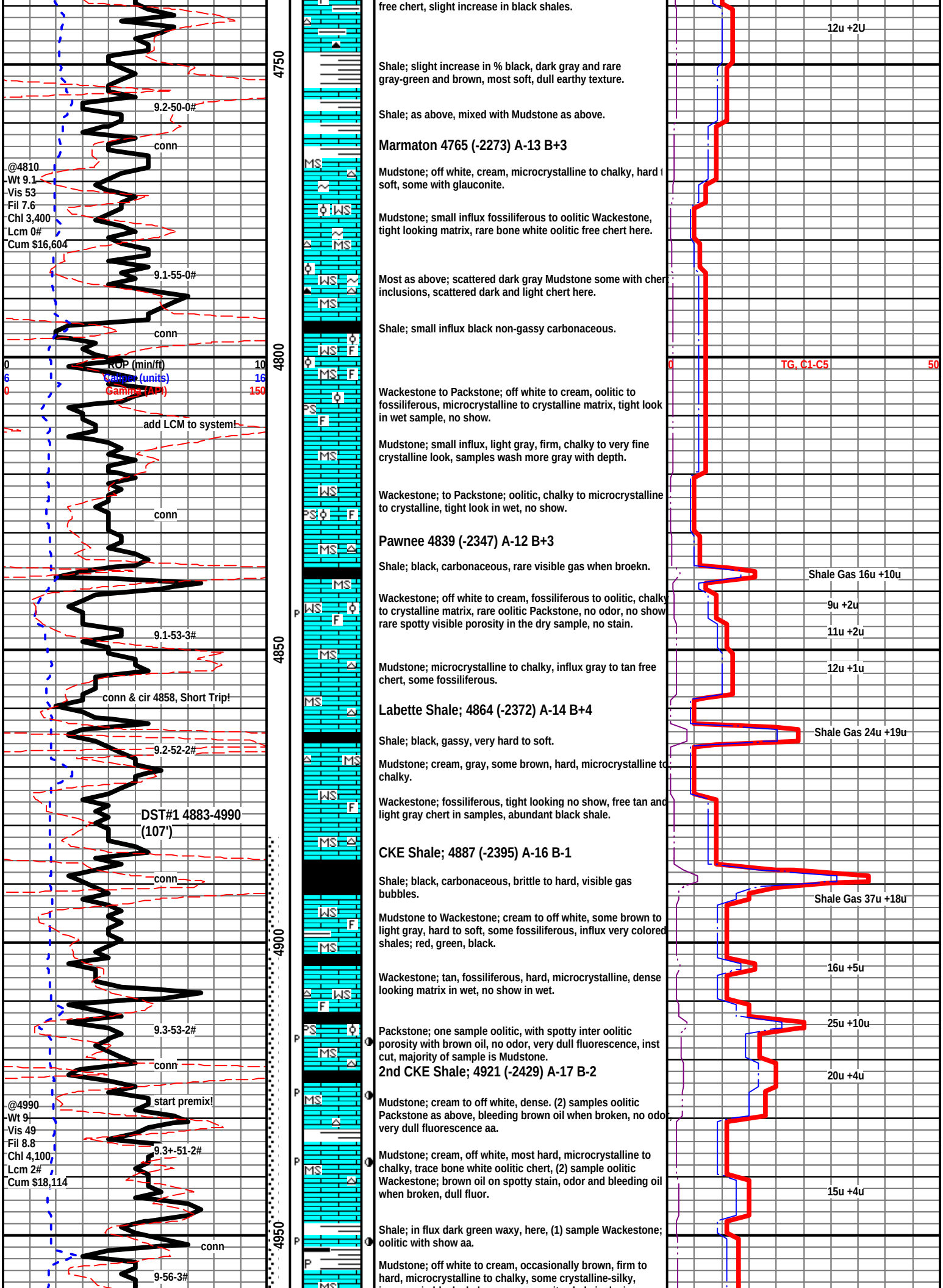

3650
3700
3750
3800
3850
Howard 3707 (2115)
Topeka 3740 (-1248)
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
Mud Up @ 3,819'
0
TG, C1-C5
50

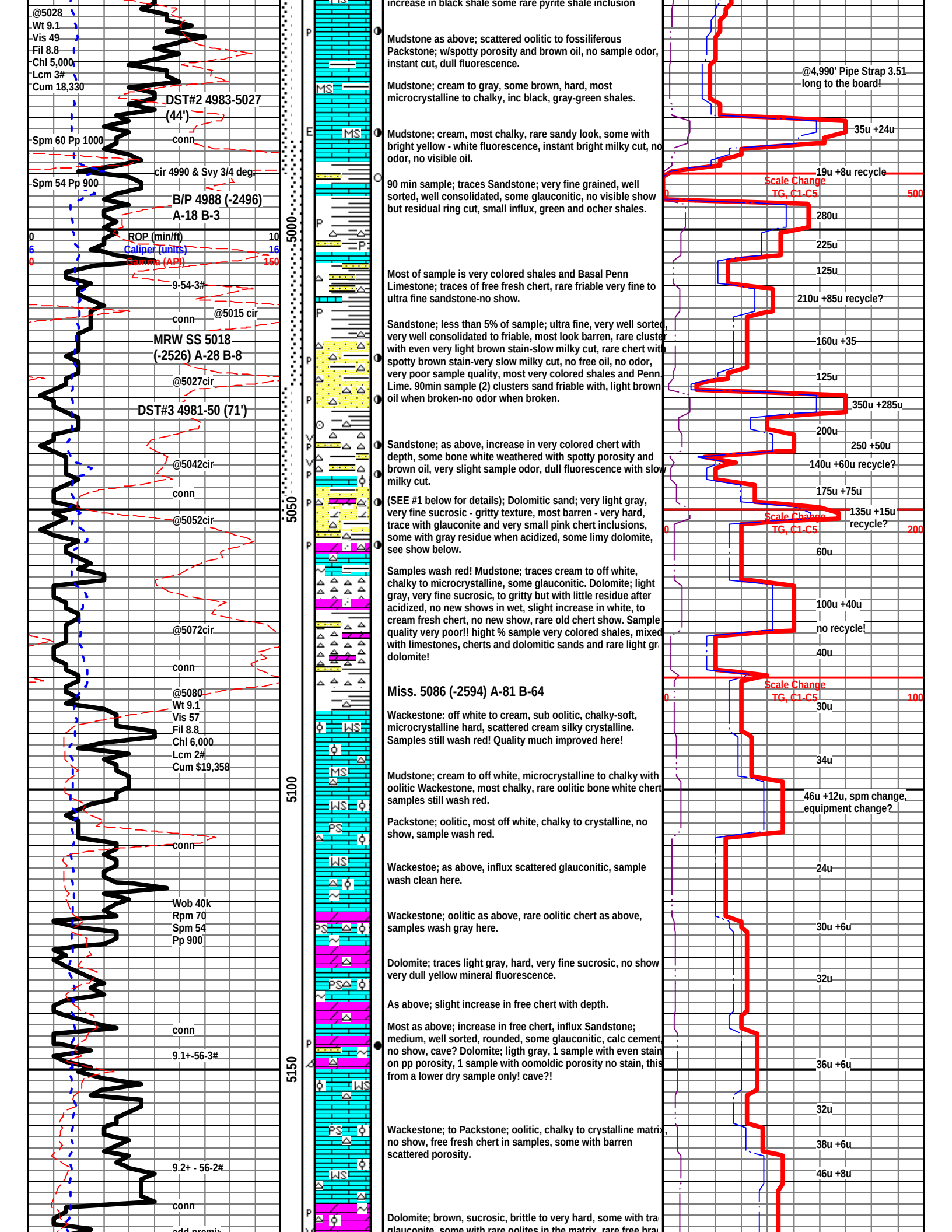

3900
3950
4000
4050
@3935
Wt 8.7
Vis 54
Fil 8
Chl 3,400
Lcm 0#
Cum $11,223
conn
@3947 Trip Plugged Bit!
conn
8.9-51-0#
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
conn
Wob 40K
Rpm 78
Spm 60
Pp 1000
conn
conn
REF.; WELL "A" TENNESSE GAS & OIL CO. SARAH A. SMITH #1 NW SW NE 24-T27S-24W, WELL "B" TXO WENKE #1 SW SW NW 25-T27S-24W.
0
TG, C1-C5
50
WS
F
P
WS
F
WS
P
MS
F
P
F
P
WS
Wackestone to Packstone; cream to off white, fossiliferous to sub oolitic, microcrystalline to chalky, most firm to hard, som chalky-soft, barren pinpoint porosity, dull gold to yellow mineral fluosrescnce only, Scattered light gray mudstone-tight, scattered light chert in matrix.
As above; some light gray fossiliferous wackestone to mudstone.
Wackestone to Packstone; fossiliferous, to occasionally sub oolitic look, slight increase in light gray here, hard, micorcrystalline matrix.
As above; scattered barren pinpoint porosity, dull mineral fluorescence as above.
Wackestone; cream to light gray, fossiliferous, firm to hard, most look tight here, some light chert.

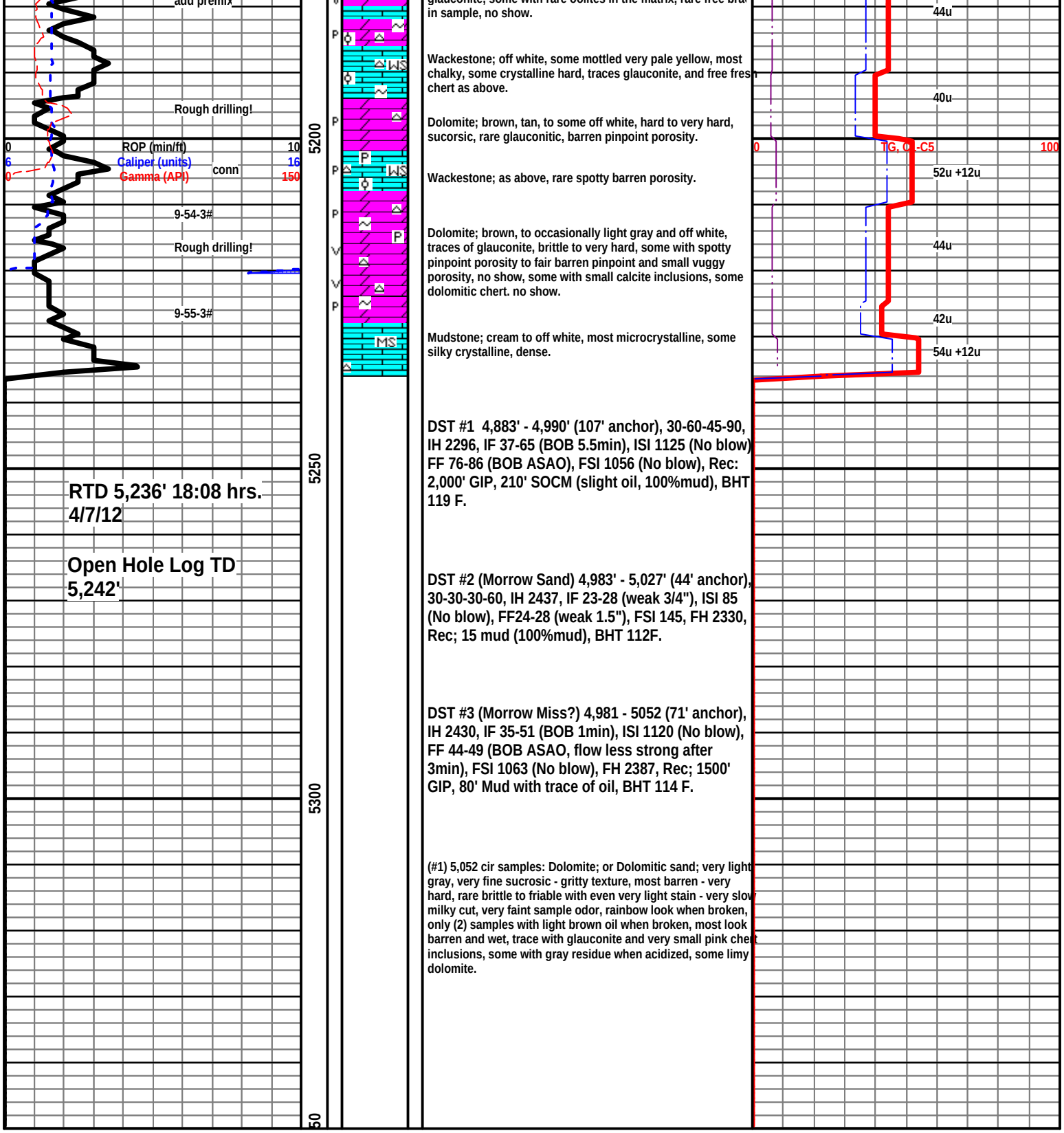

9-48-0#
conn
Wob 40k
Rpm 70
Spm 60
Pp 1000
conn
9.1-48-0#
conn
9.1-48-0#
conn
conn
conn
conn
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
4100
4150
4200
4250
WS
F
MS
PS
P
Wackestone; off white, cream, some light gray, fossiliferous, hard to firm,microcrystalline to chalky matrix, no show, some barren porosity.
Wackestone to Packstone; as above, some sub oolitic look.
Packstone; cream to light gray, hard to firm, fossiliferous, microcrystalline to chalky, no show, dull mineral fluorescence.
Packstone to Wackestone; increase in cream, hard to firm, microcrystalline to chalky matrix, fossiliferous to sub oolitic look, dull mineral fluorescence, barren porosity in dry sample
Limestone; as above, no real change here, slight increase in gray shale with depth.
4u +2u
Mudstone; slight increase in light gray, to rare tan, hard to firm, most microcrystalline, some with fossil inclusions, tight look, scattered gray shale here, rare free chert.
Heebner 4169 (-1677) A-2 B +2
Shale; very small influx, black, soft, to rare hard, rare gas bubbles when broken.
5u +2u
Shale; slight increase in black, gray, red-brown shales, poor sample representation here!
Packstone; cream, some gray, fossiliferous to oolitic, some with dark gray oolites, chalky to microcrystalline matrix, most hard to firm, no show, scattered barren porosity in the dry, dull mineral fluorescence only.
0
TG, C1-C5
50
Shale; slight increase in % gray to black, some red brown, so to firm, dull earthy luster.
Mudstone; slight increase in tan, gray and occasionally light brown, hard, most microcrystalline.
check equipment and zero!
Shale; most as above, poor sample representation, some silty look, most soft, dull earthy luster.
Mudstone; cream to tan, hard, microcrystalline, some fossiliferous, scattered light chert, mineral fluorescence only, no show.
Shale; gray, black, some gray-green, rare red-brown, most soft.
Brown Lime 4284 (-1792) A-6 B+2
Mudstone; cream, rare tan, hard, microcrystalline, tight look.
Lansing 4294 (-1802) A-7 B+2


Wob 40k
Rpm 70
Spm 60
Pp 1000
conn
9.1-48-0#
conn
9.2-50-0#
conn
9-50-0#
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
conn
@4425
Wt 9.1
Vis 56
Fil 8
Chl 5,700
Lcm 0#
Cum $12,820
conn
conn
Wob 40K
Rpm 70
4300
4350
4400
4450
4500
WS
MS
PS
F
P
Packstone to Wackestone; cream, hard, fossiliferous to oolit
microcrystalline matrix, no show in wet, scattered barren
porosity in the dry.
Mudstone; cream to off white, some scattered gray,
microcrystalline - hard, chalky - soft, some scattered free light
chert.
As above.
Mudstone; most as above, rare brown-fossils, slight increase
in gray, rare dark chert, slight increase in % shale.
Wackestone; cream, firm to hard, microcrystalline to chalky
matrix, fossiliferous, dull yellow to gold mineral fluorescence
only, no show wet.
Mudstone; cream to gray, hard, scattered dark chert, slight
increase in % shale here.
Wackestone; cream to gray, fossiliferous, most
microcrystalline, barren porosity in dry.
Mudstone; most as above, scattered light gray spicular chert.
Mudstone; as above.
Mudstone; cream to gray, most microcrystalline, hard,
scattered light gray to opaque chert.
Wackestone; off white to cream, hard to firm, occasionally
brittle, most microcrystalline matrix, fossiliferous to sub oolitic
look, no show in wet, dull mineral fluorescence only.
Mudstone; as above, scattered chert as above.
Mudstone; cream to buff and light gray, hard, most
microcrystalline, dark free chert.
Packstone; cream, light tan, hard, microcrystalline matrix,
oolitic, some medium size, fossiliferous, barren oomoldic
porosity, no show, dull mineral fluorescence only, no stain in
the dry samples.
Packstone; as above, no real change here, some scattered
light free chert in samples, no show.
Packstone; tan to occasionally off white, hard, microcrystalline
to some crystalline matrix, oolitic to fossiliferous, oomoldic,
no show.
Mudstone; cream to light gray, microcrystalline to crystalline,
hard, some fossiliferous, wackestaone, no show.
Packstone; as above.
Mudstone; as above, rare light free fresh chert.
Mudstone; cream to brown, hard, most microcrystalline,
scattered light gray to off white free chert.
Shale; increase in % gray, dark gray, some red-brown, most
soft, earthy.
Mudstone; cream to off white, microcrystalline to crystalline -
hard, chalky - soft earthy luster, rare free chert.
10u +3u
0
TG, C1-C5
50
6u +4u
7u +2u
7u +2u
6u


Spm 60
Pp 1000
9.1+-51-0#
conn
9.2+-50-0#
conn&svy 3/4 deg.
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
conn
150
9-48-0#
conn
conn
9.1-48-0#
conn
Wob 40K
Rpm 70
Spm 60
Pp 850-1000
9.1-50-0#
conn
4550
4600
4650
4700
Mudstone; cream to tan, some off white, microcrystalline to crystalline - hard, some chalky - soft, dull yellow and gold mineral fluorescence as above, no show in wet or dry sample, rare free pyrite and chert.
Mudstone; as above, increase in brown and gray free chert, one chert sample with black stain on edge - no cut.
Wackestone; cream to off white, fossiliferous, hard to brittle, dense looking matrix in wet sample, no show.
Mudstone; as above.
Mudstone; cream to off white, some tan, chalky - soft, microcrystalline to crystalline - hard, rare spotty to wormy black stain - no cut, rare fusulinid, scattered light gray free fresh chert.
Mudstone; cream to brown, some off white, microcrystalline to chalky, hard to soft, Mixed with Wackestone; fossiliferous, brittle to firm, no show.
Mudstone; most as above, slight increase in gray, hard to sof microcrystalline to chalky, rare tan fossiliferous chert, rare black non-gassy shale.
Wackestone; rare light gray oolitic, with dense lookinng matrix, no show, cave?
Stark Shale 4622 (-2130) A-8 B-10
Shale; scattered black soft to hard, rare visible gas bubbles when broken.
Wackestone; fossiliferous, to occasionally sub oolitic, cream to off white, firm to hard, scattered stain - no cut, no show, ra barren porosity in dry.
Mudstone; increase in buff to light gray, hard, most microcrystalline.
Mudstone; cream to light gray, some off white - chalky, most microcrystalline, scattered light gray fossiliferous free chert.
Hush. Shale; 4670 (-2178) A-10 B-19
Shale; black, carbonaceous, very hard-gassy.
Mudstone; gray to brown, some fossiliferous, silky to dull luster, looks tight, rare crinoid stem.
Mudstone; cream to tan and brown, microcrystalline to chalk rare free pyrite and light gray free chert.
Mudstone; most off white to cream, some brown to light gray, hard microcrystalline to crystalline, some chalky - soft, scattered light gray free chert.
Mudstone; some with fossil inclusions, tight looking matrix in wet, mineral fluorescence - very dull, rare visible barren porosity in the dry.
Mudstone; as above, scattered tan to light brown fresh chert fragments.
Mudstone; off white, cream, some brown, hard, microcrystalline to crystalline, some chalky - soft, scattered black and dark gray chert.
Mudstone; most as above, increase in light gray and off white
0
TG, C1-C5
50
5u
Shale Gas 11u +7U
6u
cg 8u +3u
Shale Gas 23u +16U
Recycle 14u


4750
4800
4850
4900
4950
9.2-50-0#
conn
@4810
Wt 9.1
Vis 53
Fil 7.6
Chl 3,400
Lcm 0#
Cum $16,604
9.1-55-0#
conn
0
ROP (min/ft)
10
6
Gamma (units)
16
0
Gamma (API)
150
add LCM to system!
conn
9.1-53-3#
conn & cir 4858, Short Trip!
9.2-52-2#
DST#1 4883-4990
(107')
conn
9.3-53-2#
conn
@4990
Wt 9
Vis 49
Fil 8.8
Chl 4,100
Lcm 2#
Cum $18,114
start premix!
9.3+-51-2#
conn
9-56-3#
free chert, slight increase in black shales.
Shale; slight increase in % black, dark gray and rare gray-green and brown, most soft, dull earthy texture.
Shale; as above, mixed with Mudstone as above.
Marmaton 4765 (-2273) A-13 B+3
Mudstone; off white, cream, microcrystalline to chalky, hard t soft, some with glauconite.
Mudstone; small influx fossiliferous to oolitic Wackestone, tight looking matrix, rare bone white oolitic free chert here.
Most as above; scattered dark gray Mudstone some with cher inclusions, scattered dark and light chert here.
Shale; small influx black non-gassy carbonaceous.
Wackestone to Packstone; off white to cream, oolitic to fossiliferous, microcrystalline to crystalline matrix, tight look in wet sample, no show.
Mudstone; small influx, light gray, firm, chalky to very fine crystalline look, samples wash more gray with depth.
Wackestone; to Packstone; oolitic, chalky to microcrystalline to crystalline, tight look in wet, no show.
Pawnee 4839 (-2347) A-12 B+3
Shale; black, carbonaceous, rare visible gas when broekn.
Wackestone; off white to cream, fossiliferous to oolitic, chalky to crystalline matrix, rare oolitic Packstone, no odor, no show rare spotty visible porosity in the dry sample, no stain.
Mudstone; microcrystalline to chalky, influx gray to tan free chert, some fossiliferous.
Labette Shale; 4864 (-2372) A-14 B+4
Shale; black, gassy, very hard to soft.
Mudstone; cream, gray, some brown, hard, microcrystalline to chalky.
Wackestone; fossiliferous, tight looking no show, free tan and light gray chert in samples, abundant black shale.
CKE Shale; 4887 (-2395) A-16 B-1
Shale; black, carbonaceous, brittle to hard, visible gas bubbles.
Mudstone to Wackestone; cream to off white, some brown to light gray, hard to soft, some fossiliferous, influx very colored shales; red, green, black.
Wackestone; tan, fossiliferous, hard, microcrystalline, dense looking matrix in wet, no show in wet.
Packstone; one sample oolitic, with spotty inter oolitic porosity with brown oil, no odor, very dull fluorescence, inst cut, majority of sample is Mudstone.
2nd CKE Shale; 4921 (-2429) A-17 B-2
Mudstone; cream to off white, dense. (2) samples oolitic Packstone as above, bleeding brown oil when broken, no odo very dull fluorescence aa.
Mudstone; cream, off white, most hard, microcrystalline to chalky, trace bone white oolitic chert, (2) sample oolitic Wackestone; brown oil on spotty stain, odor and bleeding oil when broken, dull fluor.
Shale; in flux dark green waxy, here, (1) sample Wackestone; oolitic with show aa.
Mudstone; off white to cream, occasionally brown, firm to hard, microcrystalline to chalky, some crystalline-silky,
12u +2U
0
TG, C1-C5
50
Shale Gas 16u +10u
9u +2u
11u +2u
12u +1u
Shale Gas 24u +19u
Shale Gas 37u +18u
16u +5u
25u +10u
20u +4u
15u +4u


@5028
Wt 9.1
Vis 49
Fil 8.8
Chl 5,000
Lcm 3#
Cum 18,330
DST#2 4983-5027 (44')
Spm 60 Pp 1000
conn
cir 4990 & Svy 3/4 deg
Spm 54 Pp 900
B/P 4988 (-2496) A-18 B-3
ROP (min/ft)
Caliper (units)
Gamma (API)
9-54-3#
conn
@5015 cir
MRW SS 5018 (-2526) A-28 B-8
@5027cir
DST#3 4981-50 (71')
@5042cir
conn
@5052cir
@5072cir
conn
@5080
Wt 9.1
Vis 57
Fil 8.8
Chl 6,000
Lcm 2#
Cum $19,358
conn
Wob 40k
Rpm 70
Spm 54
Pp 900
conn
9.1+-56-3#
9.2+ - 56-2#
conn
5000
5050
5100
5150
Miss. 5086 (-2594) A-81 B-64
Mudstone as above; scattered oolitic to fossiliferous Packstone; w/spotty porosity and brown oil, no sample odor, instant cut, dull fluorescence.
Mudstone; cream to gray, some brown, hard, most microcrystalline to chalky, inc black, gray-green shales.
Mudstone; cream, most chalky, rare sandy look, some with bright yellow - white fluorescence, instant bright milky cut, no odor, no visible oil.
90 min sample; traces Sandstone; very fine grained, well sorted, well consolidated, some glauconitic, no visible show but residual ring cut, small influx, green and ocher shales.
Most of sample is very colored shales and Basal Penn Limestone; traces of free fresh chert, rare friable very fine to ultra fine sandstone-no show.
Sandstone; less than 5% of sample; ultra fine, very well sorted, very well consolidated to friable, most look barren, rare cluster with even very light brown stain-slow milky cut, rare chert with spotty brown stain-very slow milky cut, no free oil, no odor, very poor sample quality, most very colored shales and Penn. Lime. 90min sample (2) clusters sand friable with, light brown oil when broken-no odor when broken.
Sandstone; as above, increase in very colored chert with depth, some bone white weathered with spotty porosity and brown oil, very slight sample odor, dull fluorescence with slow milky cut.
(SEE #1 below for details); Dolomitic sand; very light gray, very fine sucrosic - gritty texture, most barren - very hard, trace with glauconite and very small pink chert inclusions, some with gray residue when acidized, some limy dolomite, see show below.
Samples wash red! Mudstone; traces cream to off white, chalky to microcrystalline, some glauconitic. Dolomite; light gray, very fine sucrosic, to gritty but with little residue after acidized, no new shows in wet, slight increase in white, to cream fresh chert, no new show, rare old chert show. Sample quality very poor!! hight % sample very colored shales, mixed with limestones, cherts and dolomitic sands and rare light gr dolomite!
Wackestone: off white to cream, sub oolitic, chalky-soft, microcrystalline hard, scattered cream silky crystalline. Samples still wash red! Quality much improved here!
Mudstone; cream to off white, microcrystalline to chalky with oolitic Wackestone, most chalky, rare oolitic bone white chert samples still wash red.
Packstone; oolitic, most off white, chalky to crystalline, no show, sample wash red.
Wackestoe; as above, influx scattered glauconitic, sample wash clean here.
Wackestone; oolitic as above, rare oolitic chert as above, samples wash gray here.
Dolomite; traces light gray, hard, very fine sucrosic, no show very dull yellow mineral fluorescence.
As above; slight increase in free chert with depth.
Most as above; increase in free chert, influx Sandstone; medium, well sorted, rounded, some glauconitic, calc cement, no show, cave? Dolomite; ligth gray, 1 sample with even stain on pp porosity, 1 sample with oomoldic porosity no stain, this from a lower dry sample only! cave?!
Wackestone; to Packstone; oolitic, chalky to crystalline matrix, no show, free fresh chert in samples, some with barren scattered porosity.
Dolomite; brown, sucrosic, brittle to very hard, some with tra
@4,990' Pipe Strap 3.51 long to the board!
35u +24u
19u +8u recycle
Scale Change
TG, C1-C5
0
500
280u
225u
125u
210u +85u recycle?
160u +35
125u
350u +285u
200u
250 +50u
140u +60u recycle?
175u +75u
135u +15u recycle?
Scale Change
TG, C1-C5
0
200
60u
100u +40u
no recycle!
40u
Scale Change
TG, C1-C5
0
100
30u
34u
46u +12u, spm change, equipment change?
24u
30u +6u
32u
36u +6u
32u
38u +6u
46u +8u


add prefix
Rough drilling!
0
ROP (min/ft)
10
6
Caliper (units)
16
0
Gamma (API)
150
conn
9-54-3#
Rough drilling!
9-55-3#
5200
5250
5300
50
WS
WS
MS
Wackestone; off white, some mottled very pale yellow, most chalky, some crystalline hard, traces glauconite, and free fresh chert as above.
Dolomite; brown, tan, to some off white, hard to very hard, sucorsic, rare glauconitic, barren pinpoint porosity.
Wackestone; as above, rare spotty barren porosity.
Dolomite; brown, to occasionally light gray and off white, traces of glauconite, brittle to very hard, some with spotty pinpoint porosity to fair barren pinpoint and small vuggy porosity, no show, some with small calcite inclusions, some dolomitic chert. no show.
Mudstone; cream to off white, most microcrystalline, some silky crystalline, dense.
44u
40u
0
TG, C1-C5
100
52u +12u
44u
42u
54u +12u
RTD 5,236' 18:08 hrs. 4/7/12
Open Hole Log TD 5,242'
DST #1 4,883' - 4,990' (107' anchor), 30-60-45-90, IH 2296, IF 37-65 (BOB 5.5min), ISI 1125 (No blow) FF 76-86 (BOB ASAO), FSI 1056 (No blow), Rec: 2,000' GIP, 210' SOCM (slight oil, 100%mud), BHT 119 F.
DST #2 (Morrow Sand) 4,983' - 5,027' (44' anchor), 30-30-30-60, IH 2437, IF 23-28 (weak 3/4"), ISI 85 (No blow), FF24-28 (weak 1.5"), FSI 145, FH 2330, Rec; 15 mud (100%mud), BHT 112F.
DST #3 (Morrow Miss?) 4,981 - 5052 (71' anchor), IH 2430, IF 35-51 (BOB 1min), ISI 1120 (No blow), FF 44-49 (BOB ASAO, flow less strong after 3min), FSI 1063 (No blow), FH 2387, Rec; 1500' GIP, 80' Mud with trace of oil, BHT 114 F.
(#1) 5,052 cir samples: Dolomite; or Dolomitic sand; very light gray, very fine sucrosic - gritty texture, most barren - very hard, rare brittle to friable with even very light stain - very slow milky cut, very faint sample odor, rainbow look when broken, only (2) samples with light brown oil when broken, most look barren and wet, trace with glauconite and very small pink chert inclusions, some with gray residue when acidized, some limy dolomite.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

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

July 26, 2012

M.L. Korphage
Vincent Oil Corporation
155 N MARKET STE 700
WICHITA, KS 67202-1821

Re: ACO1
API 15-057-20791-00-00
Muirhead Trust 1-24
SE/4 Sec.24-27S-24W
Ford County, Kansas

Dear Production Department:

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

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

Respectfully,
M.L. Korphage