

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Briscoe Petroleum, LLC
Well Name	WATTS RANCH 2
Doc ID	1672333

All Electric Logs Run

Comp ND
DIL
MICRO
SONIC

Form	ACO1 - Well Completion
Operator	Briscoe Petroleum, LLC
Well Name	WATTS RANCH 2
Doc ID	1672333

Tops

Name	Top	Datum
Elgin	3608	-2117
Heebner	3827	-2336
Douglas	3878	-2387
Brown Lime	4020	-2529
Lansing	4027	-2536
Stark Sh.	4493	-3002
Hushpuckney	4520	-3029
BKC	4569	-3078
Marmaton	4584	-3093
Pawnee	4659	-3168
Ft. Scott	4687	-3196
Cherokee Shale	4698	-3207
Miss	4721	-3230
Kinderhook	5009	-3518
Woodford	5082	-3591
B/Woodford	5124	-3633
Viola	5138	-3647
Simpson Sh	5233	-3742
Simpson SS	5249	-3758
Arbuckle	5432	-3941
LTD	5505	-4014

Scale 1:240 Imperial

Well Name: Watts Ranch #2
Surface Location: 2310' FNL _ 2310' FEL, Sec. 21-T34s-R12w
Bottom Location:
API: 15-007-24426-00-00
License Number: 5929
Spud Date: 8/4/2022 Time: 4:45 PM
Region: Barber
Drilling Completed: 8/10/2022 Time: 12:30 AM
Surface Coordinates:
Bottom Hole Coordinates:
Ground Elevation: 1478.00ft
K.B. Elevation: 1491.00ft
Logged Interval: 3500.00ft To: 5000.00ft
Total Depth: 5501.00ft
Formation:
Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Briscoe Petroleum, LLC
Address: 45 E. Loucks, Suite 209
PO Box 6690
Sheridan, WY 82801
Contact Geologist: Rick Briscoe
Contact Phone Nbr:
Well Name: Watts Ranch #2
Location: 2310' FNL _ 2310' FEL, Sec. 21-T34s-R12w
API: 15-007-24426-00-00
Pool:
State: Kansas Field: USA
Country: USA

LOGGED BY



Company: Mile High Exploration, LLC
Address: 14645 Sterling Road
Colorado Springs, CO 80921
Phone Nbr: 203-671-6034
Logged By: Geologist Name: Jeremy Schwartz

CONTRACTOR

Contractor: Duke Drilling
Rig #: 7
Rig Type: mud rotary
Spud Date: 8/4/2022 Time: 4:45 PM
TD Date: 8/10/2022 Time: 12:30 AM
Rig Release: Time:

ELEVATIONS







K.B. Elevation: 1491.00ft Ground Elevation: 1478.00ft
K.B. to Ground: 13.00ft

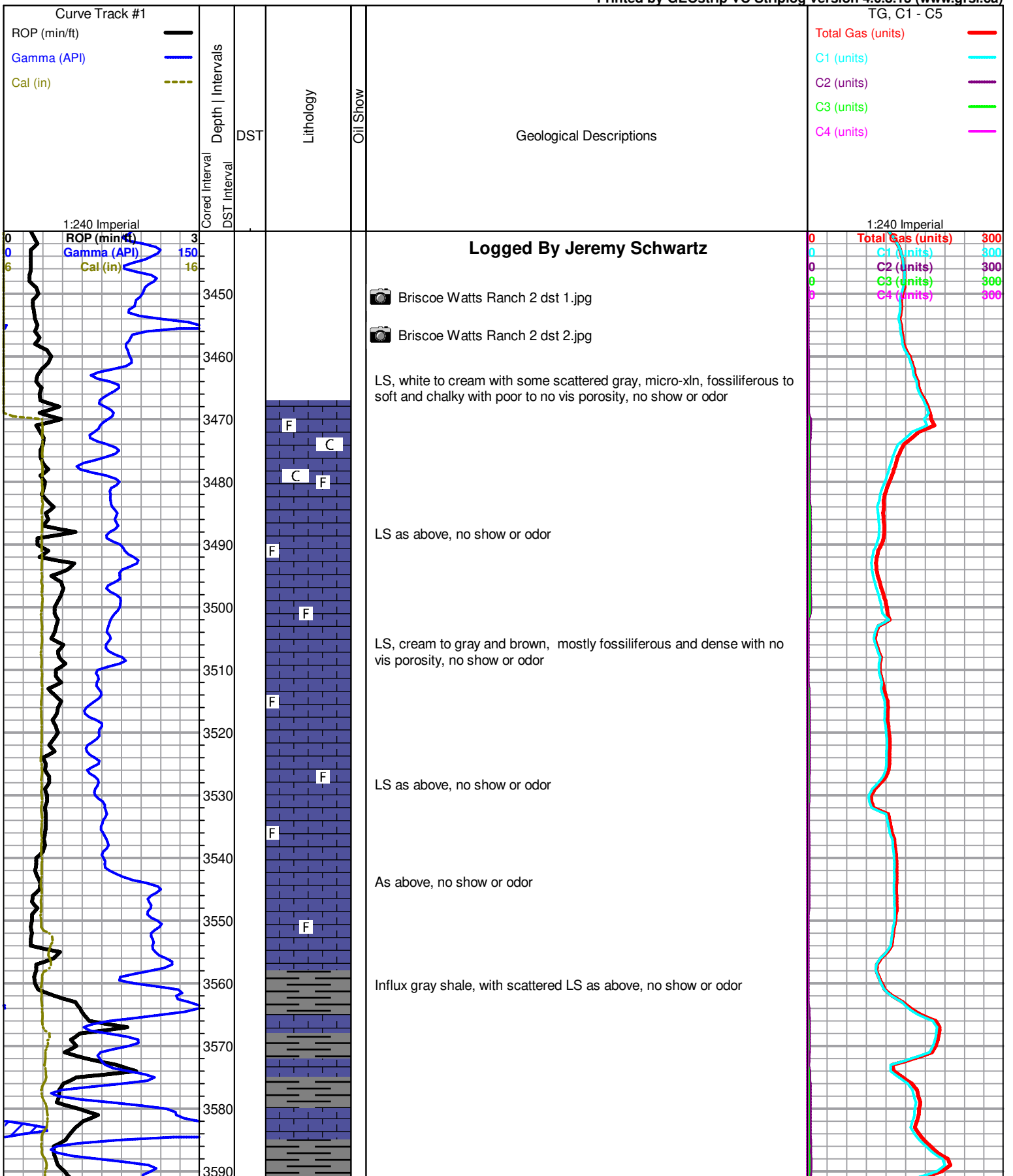
NOTES

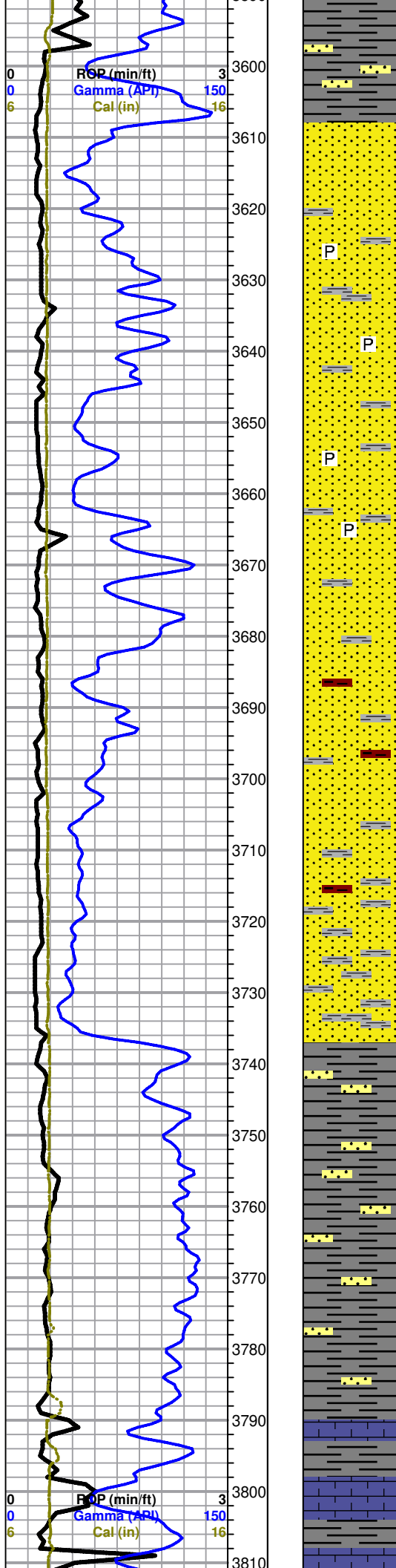
The Briscoe Petroleum, LLC Watts Ranch #2 was drilled to a total depth of 5501', bottoming in the Arbuckle. An iBall Instruments Bloodhound gas detector was employed in the drilling of said well.

Two drill stem tests were conducted during the drilling of this well.

Due to drill stem test results, sample shows, gas kicks, and log analysis it was determined to further test the well through production casing. The dry samples were saved and will be available for further review at the Kansas Geological Society

-  Folder
-  Link
-  Vertical Log File
-  Horizontal Log File
-  Core Log File
-  Drill Cuttings Rpt





As above, no show or odor

Elgin 3608 (-2117)

Mostly shale with some scattered LS as above, with some very scattered SS, gray to clear, f-grained, sub-rounded to sub-angular, no show or odor

fair influx SS, gray to clear with some white, f-med grained, sub-rounded to sub-angular, some pyritic, some with scattered shale inclusions, most friable, also with abundant gray to dark gray shale, no show or odor

As above, no show or odor

SS, clear to gray and white, f-med, sub-rounded to sub-angular, some pyritic to shaley, some fairly clean, most friable, no show or odor

SS as above, most friable, also with gray to dark gray and very scattered red shale, no show or odor

SS and shale as above, no show or odor

SS, with abundant gray to dark gray shale, no show or odor

As above, no show or odor

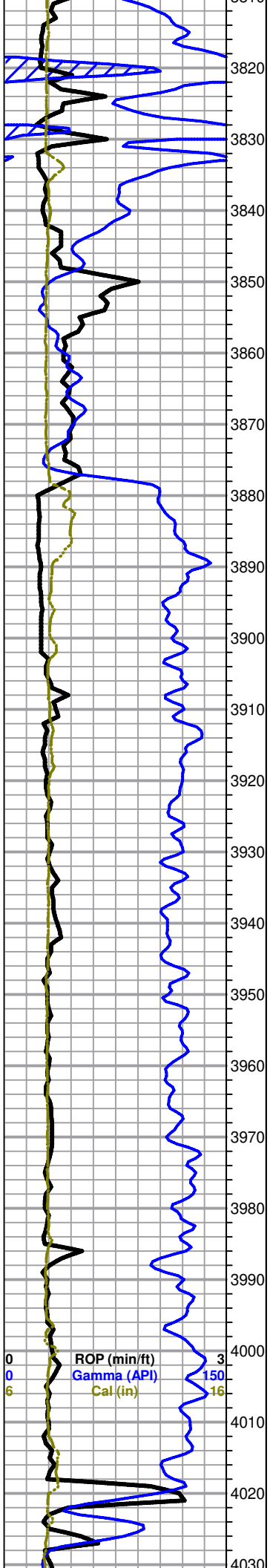
SS and shale as above, fairly clean to slightly shaley and pyritic, most friable, no show or odor

SS as above, with gray to dark gray shale, no show or odor

As above, with fair influx gray shale, no show or odor

Total Gas (units) 300
 C1 (units) 300
 C2 (units) 300
 C3 (units) 300
 C4 (units) 300

Total Gas (units) 300
 C1 (units) 300
 C2 (units) 300
 C3 (units) 300
 C4 (units) 300



Heebner 3825 (-2334)

Mostly gray shale as above, with some very scattered black carbonaceous

Gray shale with some very scattered black and trace red, with slight influx LS, cream fossiliferous with no vis porosity, no show or odor

Fair influx LS, cream to white and light gray, some scattered chalky in part, mostly lithographic with no vis porosity, no show or odor

Douglas 3880 (-2389)

LS as above, with fair influx gray to dark gray shale, no show or odor

Shale, gray to dark gray with trace green and red, still carrying cream to white and light gray LS, no show or odor

Mostly gray to dark gray with trace red and green shale, no show or odor

Shale as above

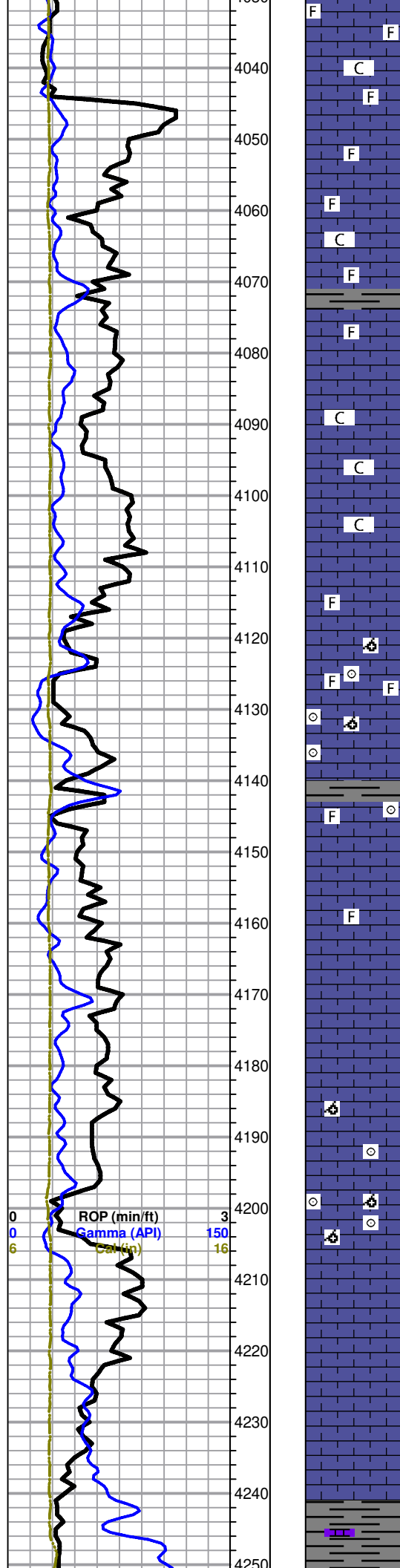
Shale as above

Brown Lime 4019 (-2528)

Lansing 4026 (-2535)

Shale as above, with trace gray to brown fossiliferous LS, dense with no

Total Gas (units)	300
C1 (units)	300
C2 (units)	300
C3 (units)	300
C4 (units)	300



vis porosity, also with slight influx LS, cream, micro-xln, mostly lithographic with poor to no vis porosity, some re-crystallized, some slightly chalky in part, no show or odor

LS, cream to light gray, micro-xln, lithographic to slightly fossiliferous, with no vis porosity, few very scattered chips with slightly vuggy edges, scattered re-crystallization, no show or odor

LS as above, some slightly chalky, no show or odor

LS, cream to light gray with some scattered white, micro-xln, mostly lithographic with poor to no vis porosity, some slightly chalky, no show or odor

LS, mostly cream to light gray, micro-xln, lithographic to slightly fossiliferous with poor to no vis porosity, no show or odor

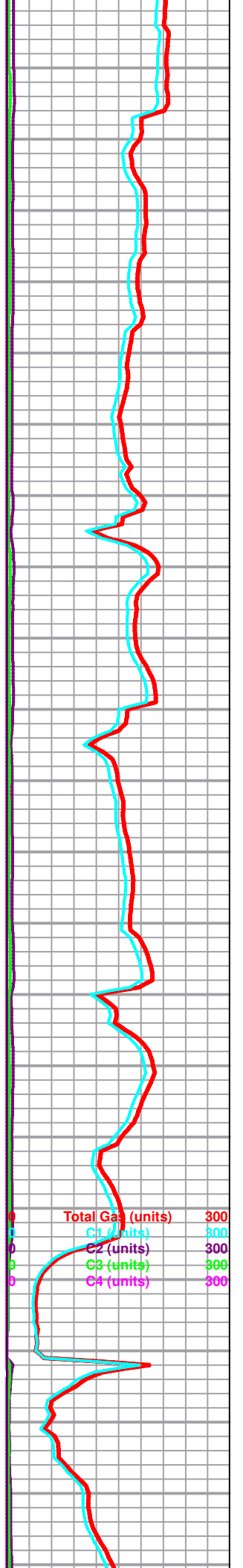
Influx cream to light gray LS, lithographic to slightly fossiliferous, some scattered sub-oolitic to sub-oomoldic with poor vis porosity, no show or odor

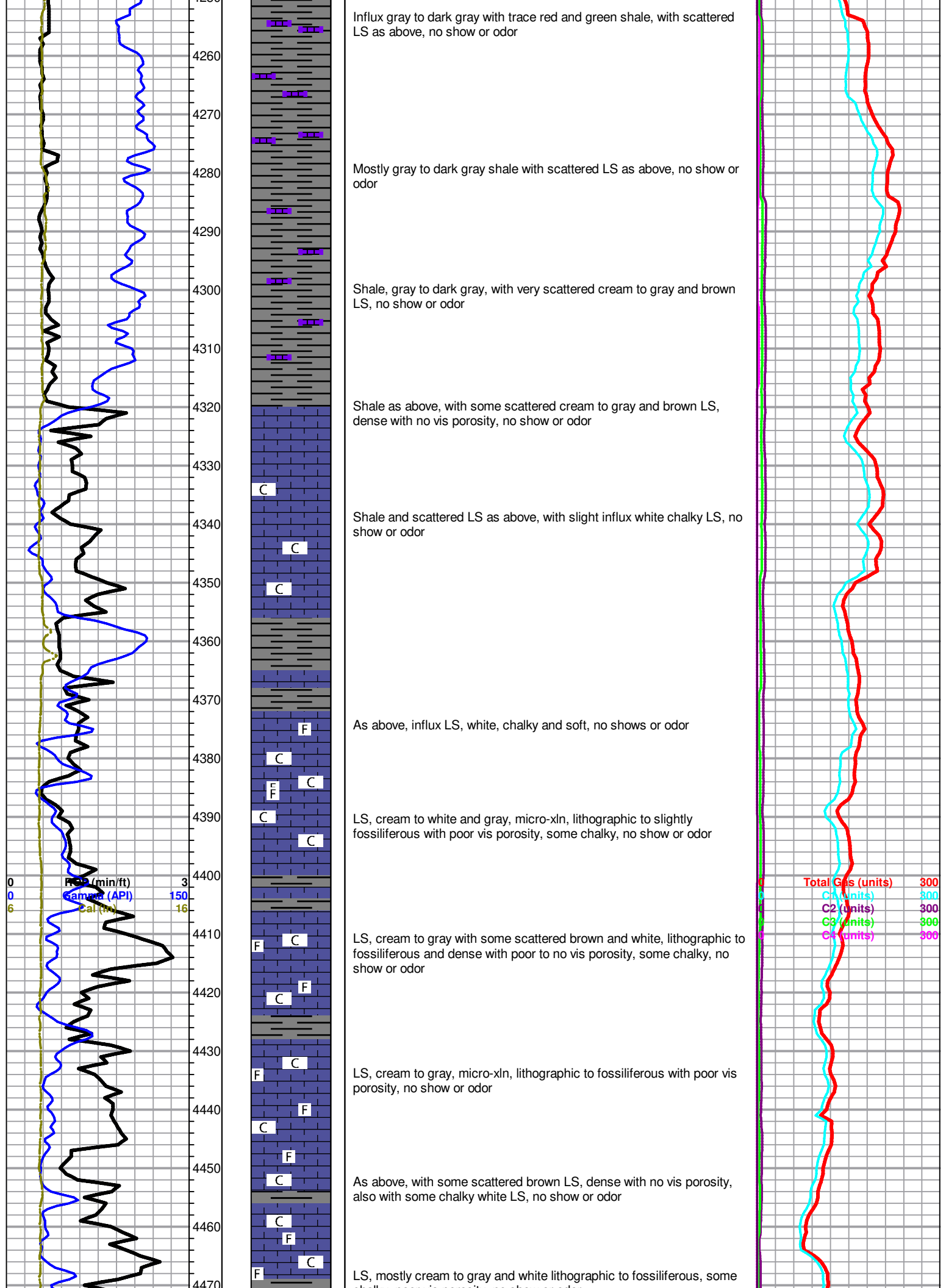
LS, cream to light gray, micro-xln, lithographic to slightly fossiliferous, some re-crystallized, poor to no vis porosity, no show or odor

LS as above, trace oolitic to sub-oomoldic with poor vis porosity, no show or odor

LS, cream to light gray with some scattered white, micro-xln, lithographic to slightly fossiliferous, some scattered re-crystallized, also with some scattered oolitic to sub-oomoldic with poor porosity, no show or odor

LS as above, slight influx gray to brown, lithographic and dense with no vis porosity, also with slight influx gray shale, no show or odor





Influx gray to dark gray with trace red and green shale, with scattered LS as above, no show or odor

Mostly gray to dark gray shale with scattered LS as above, no show or odor

Shale, gray to dark gray, with very scattered cream to gray and brown LS, no show or odor

Shale as above, with some scattered cream to gray and brown LS, dense with no vis porosity, no show or odor

Shale and scattered LS as above, with slight influx white chalky LS, no show or odor

As above, influx LS, white, chalky and soft, no shows or odor

LS, cream to white and gray, micro-xln, lithographic to slightly fossiliferous with poor vis porosity, some chalky, no show or odor

LS, cream to gray with some scattered brown and white, lithographic to fossiliferous and dense with poor to no vis porosity, some chalky, no show or odor

LS, cream to gray, micro-xln, lithographic to fossiliferous with poor vis porosity, no show or odor

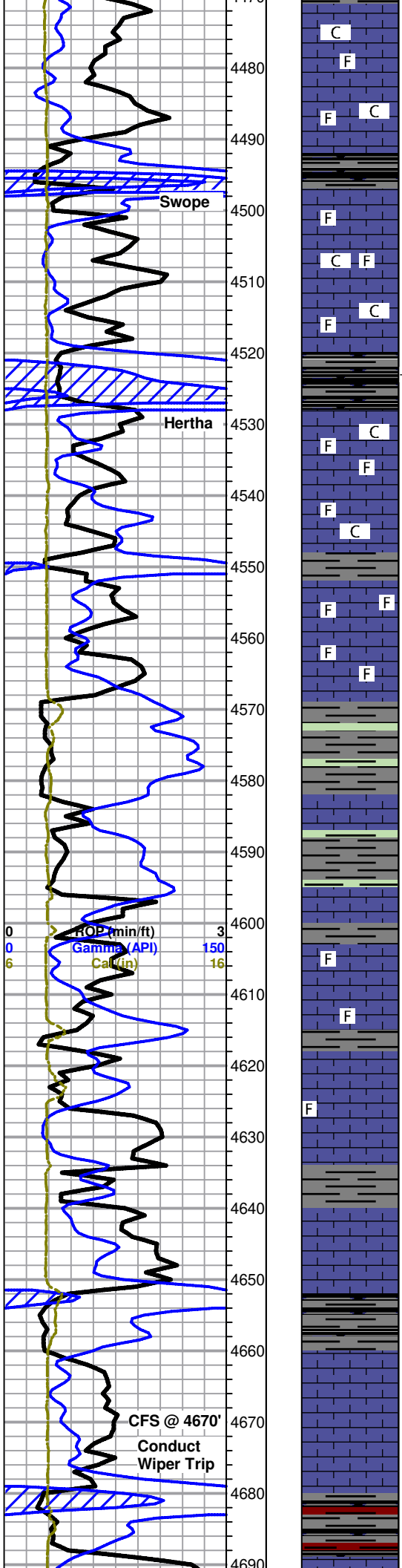
As above, with some scattered brown LS, dense with no vis porosity, also with some chalky white LS, no show or odor

LS, mostly cream to gray and white lithographic to fossiliferous, some

Total Gas (units) 300
 C1 (units) 300
 C2 (units) 300
 C3 (units) 300
 C4 (units) 300

ROP (min/ft) 3
 Gamma (API) 150
 Cal (mV) 16

chalky, poor vis porosity, no show or odor



LS as above, with slight influx gray to dark gray and black shale, no show or odor

Stark 4493 (-3002)

LS as above, with scattered gray to black and trace red shale, no show or odor

Hushpuckney 4520 (-3029)

Shale, gray to black, some slightly gassy, with LS, cream to gray and white, lithographic to slightly fossiliferous, some chalky, no show or odor

LS and shale as above, some scattered slightly gassy black shale, no show or odor

LS, cream to gray with some scattered brown, micro-xln, lithographic to fossiliferous with poor vis porosity, also with scattered gray to dark gray and black shale, no show or odor

BKC 4569 (-3078)

Fair influx gray to dark gray with scattered green shale, also with scattered cream to gray and brown LS, no show or odor

Shale as above, with influx cream to gray LS, lithographic to slightly fossiliferous with no vis porosity, no show or odor

LS, mostly cream to light gray with scattered white, micro-xln, lithographic with no vis porosity, no show or odor

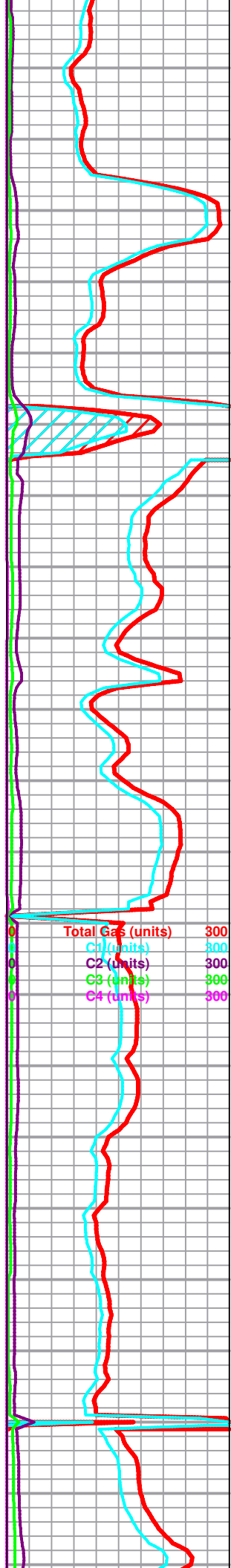
LS as above, with scattered gray to dark gray and black shale, no show or odor

Pawnee 4661 (-3170)

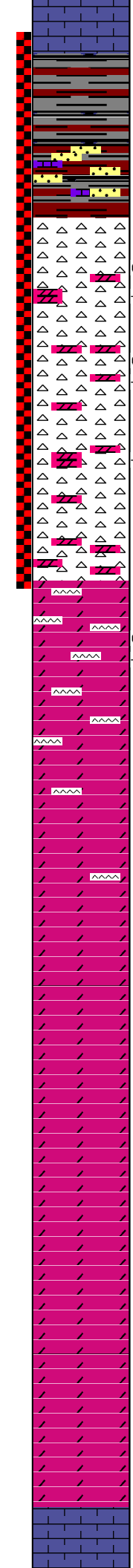
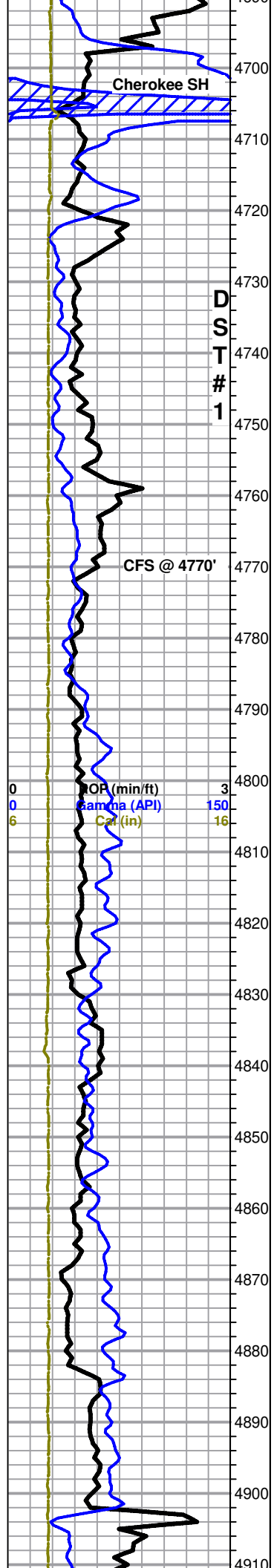
4670' 60" LS, cream to light gray with some white, micro-xln, mostly lithographic with no vis porosity, no show or odor

Shale, gray with some scattered red, also with LS, cream with some scattered gray, micro-xln, mostly lithographic with no vis porosity, no show or odor

Ft. Scott 4689 (-3198)



Total Gas (units)	300
C1 (units)	300
C2 (units)	300
C3 (units)	300
C4 (units)	300



LS and shale as above, slight influx red and black shale, some slightly gassy, also with some very scattered SS, clear to gray and white, f-med grained, sub-rounded to sub-angular, friable, no show or odor

Mostly gray with scattered black and red shale, with scattered LS and trace SS as above, no show or odor

Mississippian 4720 (-3229)

As above, with fair influx chert, white with some scattered translucent, weathered with scattered mostly poor tripolitic to slightly vuggy porosity, most with scattered stain, some bleeding oil and gas, upon break some with F-GSFO, some too dense to break, with some very scattered pyrite, FSFO in tray, good odor

Chert as above, some scattered fair vuggy porosity, slight influx pale gray/grn to white and barren, some dolomitic, most dense with poor vis porosity, upon break some fairly gassy with SSFO, overall shows appear to be slightly decreasing, FSFO in tray, good odor

As above, chert with shows slightly dropping out, with influx cream to tan dolomite to cherty dolomite, sucrosic, most fairly friable, some with SSG upon break, SSFO in tray, poor odor

4770' 20" & 40" Chert and dolomite as above, most dense with poor to no vis proosity, chert with porosity and shows mostly dropped out, some chert/cherty dolomite still fairly gassy upon break, SSFO in tray, poor odor

4770' 60" Influx pale gray/green dolomite to dol. chert, very dense with no vis porosity or shows, most too dense to break, SSFO in tray, no odor

Mostly light gray to white dolomite to cherty dol., sucrosic, most dense with no vis porosity or stain, with some scattered cherty dol., light gray to brown, with scattered mostly poor stain, some fairly friable with S-FSFO & G upon break, SSFO in tray, no odor

Influx light gray dolomite, mostly sucrosic and dense with no vis porosity, some slightly cherty, no show or odor

Dolomite as above, no show or odor

fair influx gray to dark gray dolomite, sucrosic and dense with poor vis porosity, no show or odor

Dolomite, gray to dark gray as above, poor visible porosity, no show or odor

As above, no show or odor

Dolomite, gray, sucrosic and dense with no vis porosity, no show or odor

As above, no show or odor

Dolomite, gray, sucrosic and dense with no vis porosity, no show or odor

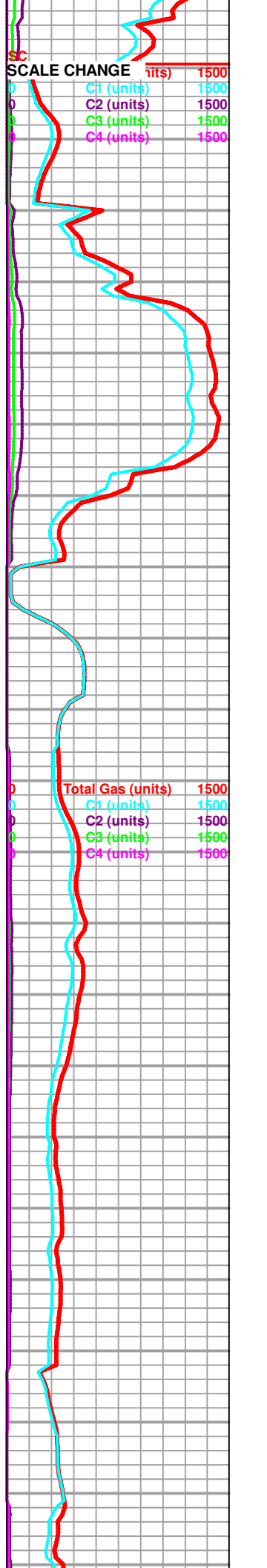
As above, no show or odor

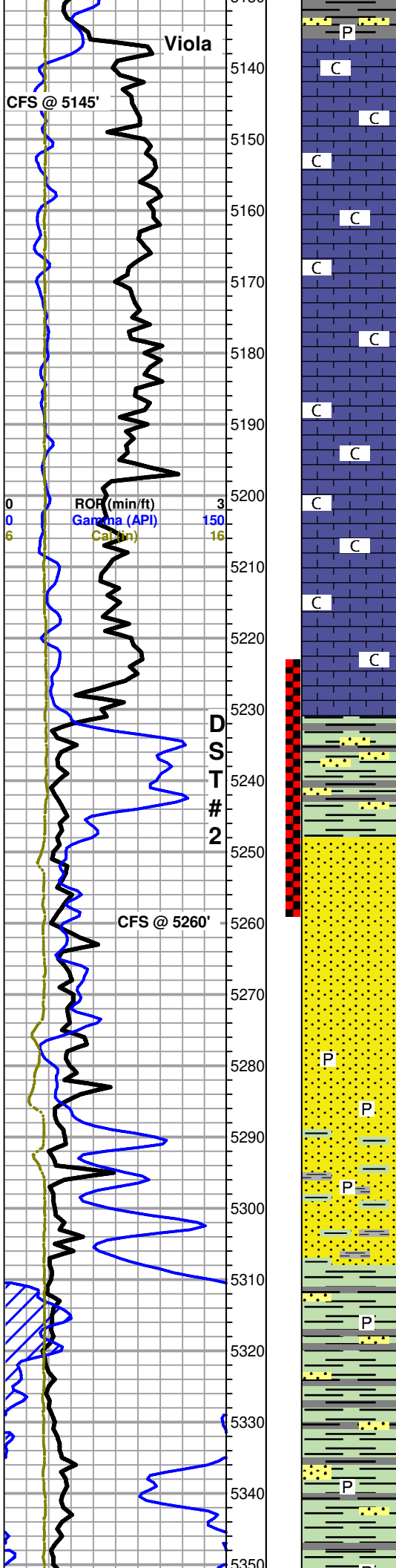
Dolomite, gray, sucrosic and dense with no vis porosity, no show or odor

As above, no show or odor

As above, no show or odor

As above, no show or odor





5145' 40" fair influx cream to white soft chalky LS, poor vis porosity, with very scattered clear to black med-grained SS clusters as above, most shaley to slightly pyritic, most dense, upon break few with FSG, with scattered loose f-med sub-rounded to rounded grains in bottom of tray, no odor

5145' 60" Mostly white to cream and gray LS, some chalky, poor vis porosity, no show or odor

Mostly cream to white and gray LS, lithographic to slightly fossiliferous with poor vis porosity, dense to soft and chalky, with some very scattered gray to white and translucent cherts, mostly fresh and sharp with no vis porosity, barren, no show or odor

Mostly cream to gray and chalky white LS with some very scattered cherts as above, no show or odor

Mostly LS with very scattered cherts as above, no show or odor

Simpson Shale 5232 (-3741)

5260' 20" LS as above, with slight influx green and gray shale, no show or odor

5260' 40" Slight influx SS clusters, clear, f-med grained, sub-rounded to rounded, most friable, some scattered dense, some slightly chalky and barren, some clear to gray, mostly clean, few slightly shaley, some bleeding oil and gas, upon break clusters release F-GSFO and are gassy, increase in odor upon break, slow streaming cut with milky white fluor., broken clusters with shows have dull fluor., with scattered green and gray shale, no odor in cup

5260' 60" SS as above, most friable and gassy with F-GSFO upon break, no odor in cup

SS, clear, f-med, sub-rounded to sub-angular, most dense, some fairly friable, some with F-GSFO upon break as above, very dull weak fluor., no odor

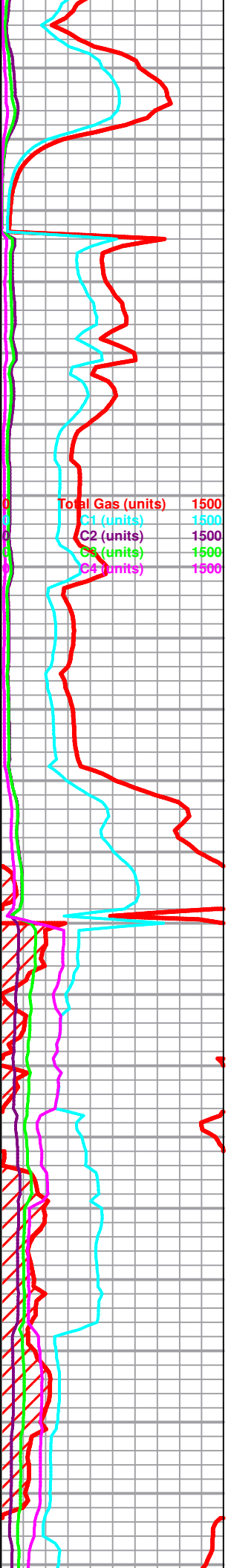
SS as above, fair increase in clear SS with no shows, some f-grained and slightly pyritic, still carrying some very scattered with F-GSFO upon break, no odor

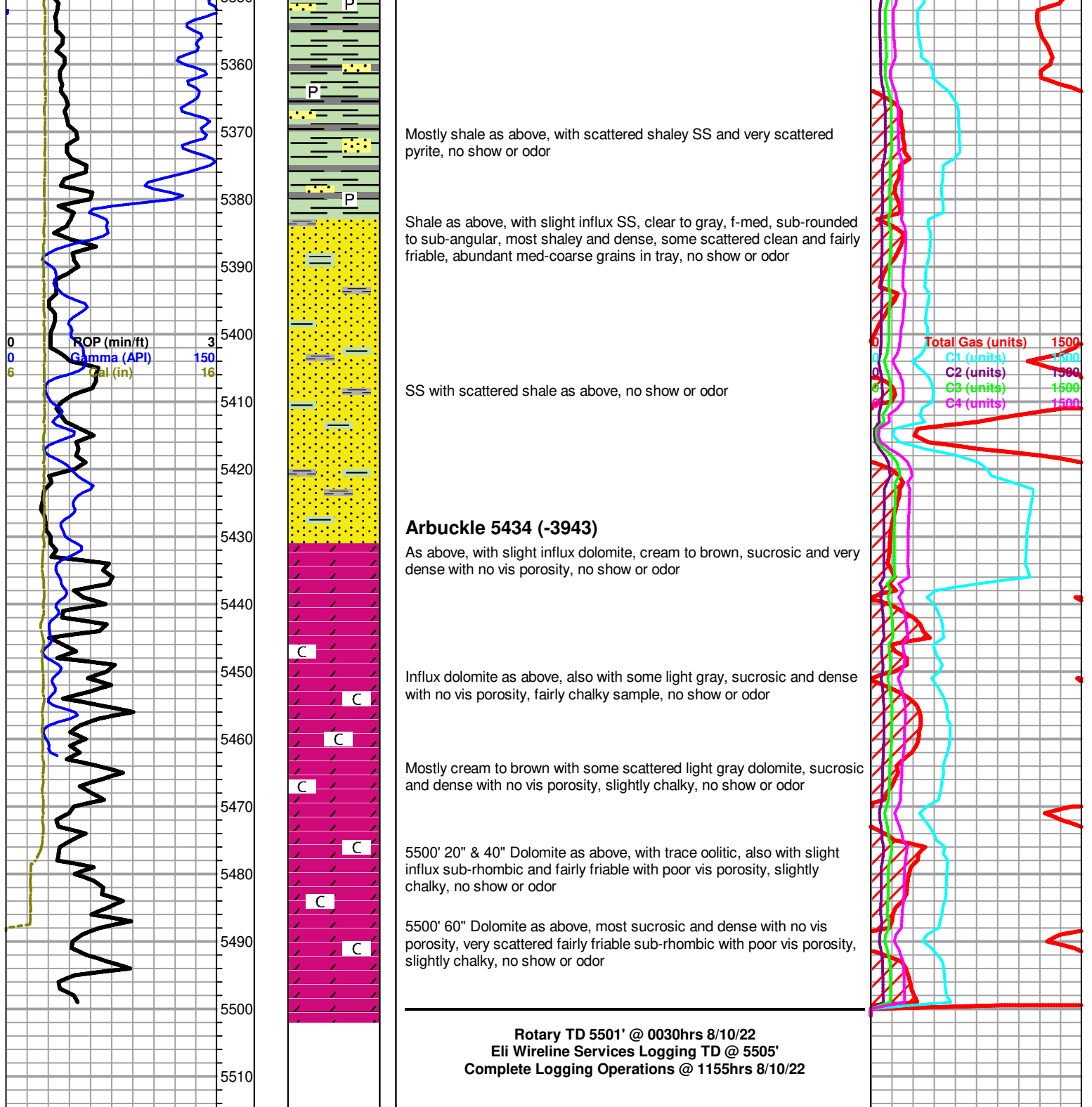
SS, clear to light gray, f-med, sub-rounded to sub-angular, most fairly friable, some dense, most barren, some scattered clusters slightly pyritic with scattered shale inclusions, few scattered clusters with SSFO upon break, also with gray to dark gray and green shale, no odor


SS, vf-f, white to gray, sub-rounded to sub-angular, dense and barren, also with gray to green shale and very scattered pyrite, NSFO or odor

Influx gray to green shale, with very scattered SS, trace pyrite, no show or odor

Mostly green to gray shale with very scattered SS and trace pyrite, no show or odor





 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Briscoe Petroleum LLC P.O. Box 6690 Sheridan, Wyo. 82801 ATTN: Jeremy Schwartz	21-34s-12w Barber Ks Watts Ranch 2 Job Ticket: 68661 DST#: 1 Test Start: 2022.08.08 @ 01:58:57

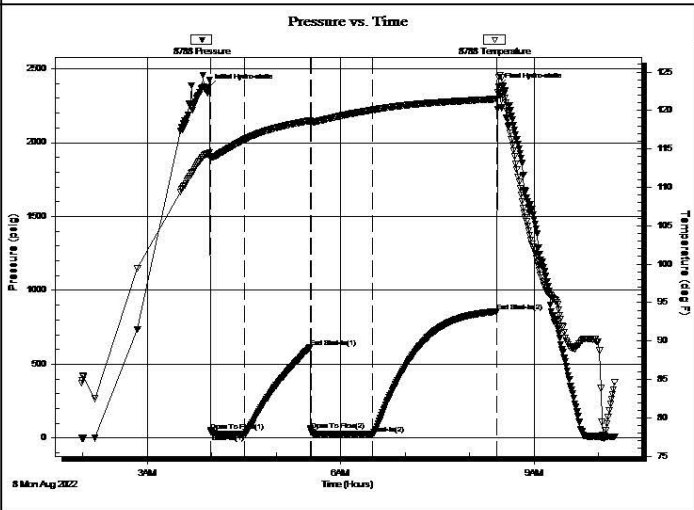
GENERAL INFORMATION:

Formation: Mississippi Deviated: No Whipstock: ft (KB) Time Tool Opened: 03:59:12 Time Test Ended: 10:14:57	Test Type: Conventional Bottom Hole (Initial) Tester: Matt Smith Unit No: 68
Interval: 4695.00 ft (KB) To 4770.00 ft (KB) (TVD) Total Depth: 4770.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Reference Elevations: 1491.00 ft (KB) 1478.00 ft (CF) KB to GR/CF: 13.00 ft

Serial #: 8788 Inside

Press@RunDepth: 29.88 psig @ 4696.00 ft (KB) Start Date: 2022.08.08 End Date: 2022.08.08 Start Time: 01:59:02 End Time: 10:14:56	Capacity: 8000.00 psig Last Calib.: 2022.08.08 Time On Btm: 2022.08.08 @ 03:56:57 Time Off Btm: 2022.08.08 @ 08:26:57
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TEST COMMENT: IF: Fair-Strong Blow . Built to 11.38" . (30)
 IS: Weak Blow . Built to 1.42", after 30 mins of no blow . (60)
 FF: Strong Blow . B.O.B. Immediate. Built to 71.25" . (60)
 FSI: No Blow . (120)



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2373.44	114.42	Initial Hydro-static
3	48.03	113.98	Open To Flow (1)
34	27.68	116.18	Shut-In(1)
95	614.83	118.67	End Shut-In(1)
96	52.74	118.51	Open To Flow (2)
153	29.88	120.07	Shut-In(2)
269	856.97	121.50	End Shut-In(2)
270	2379.02	124.26	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	GM 1%g 99%m	0.21
0.00	48' GIP 100%g	0.00

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

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Briscoe Petroleum LLC	21-34s-12w Barber Ks
	P.O. Box 6690 Sheridan, Wyo. 82801	Watts Ranch 2
ATTN: Jeremy Schwartz	Job Ticket: 68662	DST#: 2
	Test Start: 2022.08.09 @ 08:49:47	

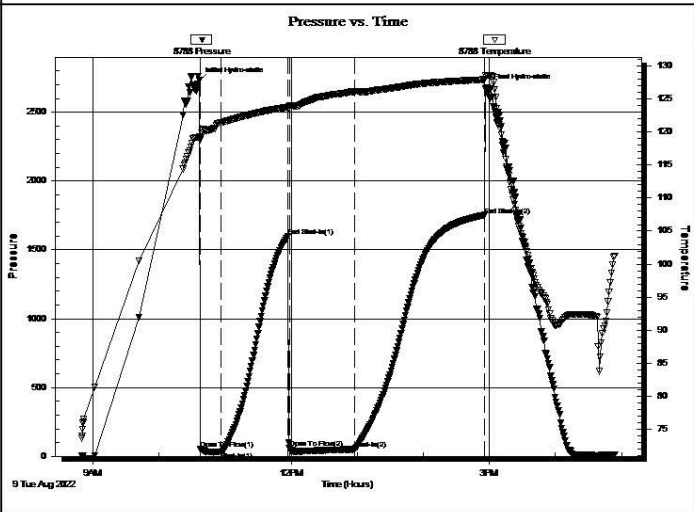
GENERAL INFORMATION:

Formation: Simpson (Wilcox)	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Matt Smith
Time Tool Opened: 10:37:32	Unit No: 68
Time Test Ended: 16:54:32	
Interval: 5223.00 ft (KB) To 5260.00 ft (KB) (TVD)	Reference Elevations: 1491.00 ft (KB)
Total Depth: 5223.00 ft (KB) (TVD)	1478.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair
	KB to GR/CF: 13.00 ft

Serial #: 8788 Inside

Press@RunDepth: 51.74 psig @ 5224.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2022.08.09	End Date: 2022.08.09
Start Time: 08:49:52	End Time: 16:54:31
	Time On Btm: 2022.08.09 @ 10:36:47
	Time Off Btm: 2022.08.09 @ 14:57:47

TEST COMMENT: IF: Fair-Strong Blow . Built to 11" in the Bucket. (20)
 IS: Weak blow . Built to 1/2" in the Bucket. (60)
 FF: Strong Blow . B.O.B. in 20 sec. Built to 115.15". G.T.S. in 38 mins, T.S.T.M. (60)
 FSI: No Blow . In the Bucket. (120)



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2730.25	119.27	Initial Hydro-static
1	54.80	118.75	Open To Flow (1)
20	31.07	121.41	Shut-In(1)
81	1596.70	123.77	End Shut-In(1)
82	58.11	123.90	Open To Flow (2)
141	51.74	126.09	Shut-In(2)
259	1752.34	127.95	End Shut-In(2)
261	2677.73	128.60	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
65.00	GOCM 25%g 20%o 55%m	0.91
10.00	GOCM 2%g 10%o 88%m	0.14

* Recovery from multiple tests

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



CEMENT TREATMENT REPORT

Customer:	Briscoe Petroleum LLc	Well:	Watts Ranch 2	Ticket:	wp 3209
City, State:	Hardtner Kansas	County:	Barber.Kansas	Date:	8/11/2022
Field Rep:	Rick Briscoe	S-T-R:	21-34s-12w	Service:	production casing

Downhole Information

Hole Size:	7 7/8 in
Hole Depth:	5501 ft
Casing Size:	5 1/2 in
Casing Depth:	5492 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	128.0 bbls

Calculated Slurry - Lead

Blend:	H-LD
Weight:	15.0 ppg
Water / Sx:	5.9 gal / sx
Yield:	1.49 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	15%
Total Slurry:	47.7 bbls
Total Sacks:	180 sx

Calculated Slurry - Tail

Blend:	H plug
Weight:	13.7 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.43 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	25.4 bbls
Total Sacks:	100 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:00 PM			-	-	on location job and safety
8:15 PM				-	spot trucks and rig up
				-	turbolizers 1,2,3,4,5,6,7,8,9,11,13,15,17,19,21,23,25,27,29
				-	baskets 4 ,22
9:30 PM				-	start casing in the hole
1:25 AM				-	casing on bottom and circulate
				-	
2:40 AM	2.0	-	12.7	12.7	plug rat and mouse hole,,,,,rat hole 30 sacks,,,mouse hole 20 sacks
2:55 AM				12.7	start cement down hole
	5.0	250.0	12.7	25.4	mix 50 sacks scavenger
	5.0	250.0	47.0	72.4	mix 180 sacks H LD
3:15 AM					cement in and shut down
					wash pump and lines and release the plug
3:28 AM					start displacement,,,,,issues with pump truck and used rig pump to displace plug
3:45 AM					had 800 lbs lift pressure when landed the plug,,,took pressure from 800 to 1600
					plug did hold

Crew	UNIT		SUMMARY		
	Average Rate	Average Pressure	Total Fluid		
Cementer:	M Brungardt	916	4.0 bpm	167 psi	72 bbls
Pump Operator:	M Mattel	179/522			
Bulk #1:	F Conteras	526256			
Bulk #2:					

Gore Nitrogen Pumping Service, LLC

Customer
Lease Brisco Petroleum
 Watch Ranch 2

Date 10/25/2022
FT# 220679

Stage 1

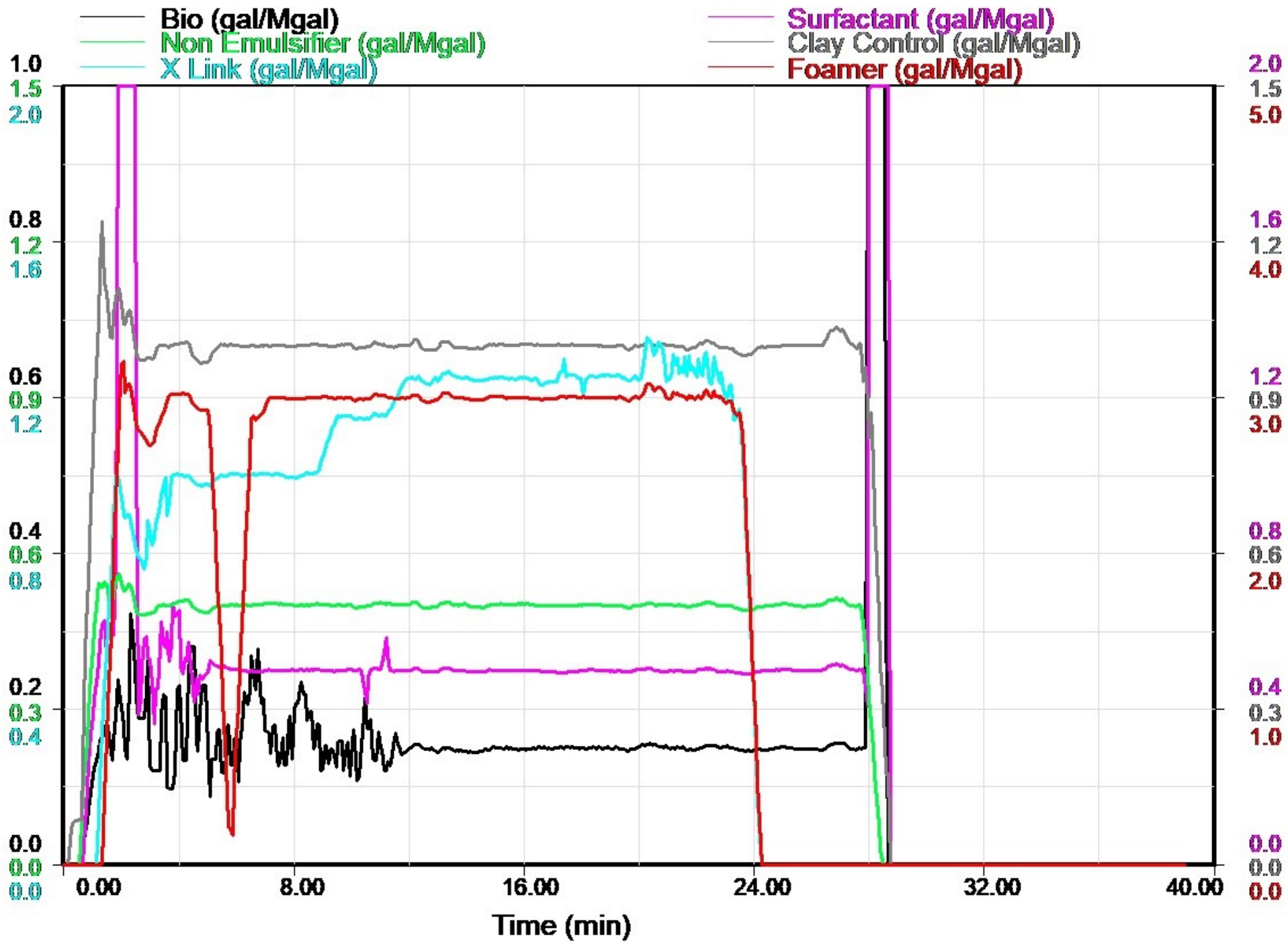
Total Load	<u>253</u>	BBL
Total X Frac	<u>200</u>	BBL
Total 2%	<u> </u>	BBL
Total 16/30	<u>27,667</u>	LBS
Total Resin	<u>12,437</u>	LBS
Total N2	<u>460,000</u>	SCF

	<u>Bbl</u>	<u>Gal</u>
Total Load	253	10626
Total X Frac	200	8400
Total 2%	53	2226

Average Rate	<u>26.8</u>	BPM
Max Rate	<u>30.8</u>	BPM
Average Pressure	<u>1383</u>	PSI
Max Pressure	<u>1759</u>	PSI

ISIP	<u>1354</u>	PSI
5 Min	<u>1196</u>	PSI
10 Min	<u>1155</u>	PSI
15 Min	<u>1143</u>	PSI

Watch Ranch 2 Chem Chart



Watch Ranch 2 Job Chart

