KOLAR Document ID: 1564239

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 # 31725
Name: Shelby Resources LLC
Address 1: 3700 Quebec Street
Address 2: Suite 100 PMB 376
City: DENVER State: CO Zip: 80207 + 1639
Contact Person: Chrtis Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Jeremy Schwartz
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 #:

1/29/2021 Spud Date or Recompletion Date
2/8/2021 Date Reached TD
2/9/2021 Completion Date or Recompletion Date

API No.: 15-145-21865-00-00
Spot Description:
SE - NW - SE - NW Sec. 3 Twp. 22 S. R. 16 ☐ East ☑ West
1685 Feet from ☑ North / ☐ South Line of Section
1845 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: Pawnee
Lease Name: WFYOG Well #: 3-3
Field Name:
Producing Formation: N/A
Elevation: Ground: 1988 Kelly Bushing: 1999
Total Vertical Depth: 3975 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 975 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: 54000 ppm Fluid volume: 1000 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Shelby Resources
Lease Name: Eakin #2-7 License #: 31725
Quarter SE Sec. 7 Twp. 22 S. R. 16 ☐ East ☑ West
County: Pawnee Permit #: D-30939

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: 03/15/2021
☐ **Confidential Release Date:** 03/15/2023
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 03/16/2021

Operator Name: Shelby Resources LLC Lease Name: WFYOG Well #: 3-3

Sec. 3 Twp. 22 S. R. 16 ☐ East ☑ West County: Pawnee

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
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:
Attached

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

Name	Top	Datum
Attached	Attached	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	23	996	60/40 Poz	450	4% gel/2% cc

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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

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

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

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: Set At: Packer At:

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

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFYOG 3-3
Doc ID	1564239

All Electric Logs Run

Dual Inducction
Compensated Neutron
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFYOG 3-3
Doc ID	1564239

Tops

Name	Top	Datum
Heebner	3413	-1414
Toronto	3430	-1431
L-KC	3529	-1530
BKC	3773	-1774
Simpson Shale	3846	-1847
Simpson Sand	3850	-1851
Arbuckle	3894	-1895
LTD	3976	-1977

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFYOG 3-3
Doc ID	1564239

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	23	996	60/40 Poz	450	4% gel/2% cc

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No. 2172

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-8-21	3	22	16	Pawnee	KS		3:45pm

Location Larned 1/2E 1 1/2S

Lease WF Yoe Well No. 3-3

Contractor Murfin #20

Type Job Rotary Plug

Hole Size 7 7/8 T.D. 3975

Csg. Depth

Tbg. Size Depth

Tool Depth

Cement Left in Csg. Shoe Joint

Meas Line Displace

EQUIPMENT

Pumptrk 20 No. Cementer / Helper

Bulktrk No. Driver Nick / Driver

Bulktrk 15 No. Driver / Driver Doug

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30SK

Mouse Hole 20SK

Centralizers

Baskets

D/V or Port Collar

1st	3820	50SK
2nd	1040	50SK
3rd	300'	50SK
4th	60'	20SK

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Shelby Resources

Street

City State

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

Cement Amount Ordered 220 60/40 4% Gel 1/4# Flo

Common	132
Poz. Mix	88
Gel.	8
Calcium	
Hulls	
Salt	
Flowseal	50 lb
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	228
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	plug
Mileage	25
Tax	
Discount	
Total Charge	

X Signature Jason Thomas

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47689 **DST#: 1**

Test Start: 2021.02.05 @ 15:25:00

GENERAL INFORMATION:

Formation: **Conglomerant**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:54:15
Time Test Ended: 21:52:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3771.00 ft (KB) To 3847.00 ft (KB) (TVD)
Total Depth: 3847.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

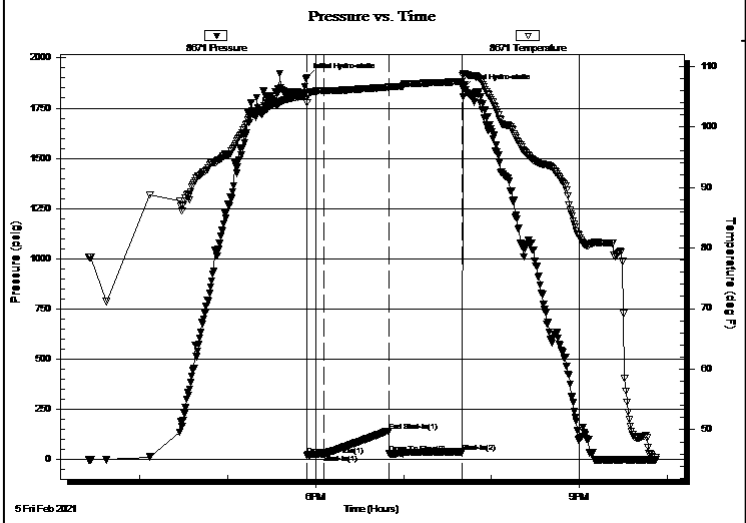
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 27.41 psig @ 3772.00 ft (KB)
Start Date: 2021.02.05 End Date: 2021.02.05
Start Time: 15:25:05 End Time: 21:51:59

Capacity: 8000.00 psig
Last Calib.: 2021.02.05
Time On Btm: 2021.02.05 @ 17:54:00
Time Off Btm: 2021.02.05 @ 19:40:15

TEST COMMENT: 10 - IF - Surface blow slowly built up to 1/2"
45 - ISI - No Return
55 - FF - Blow started at a weak surface blow, Flushed tool 10 mins. into and blow stayed at a weak blow, then pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.88	105.22	Initial Hydro-static
1	23.62	104.00	Open To Flow (1)
12	27.41	105.96	Shut-In(1)
56	141.43	106.55	End Shut-In(1)
56	30.77	106.49	Open To Flow (2)
106	39.37	107.50	Shut-In(2)
107	1849.49	108.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM - Oil Spots - 100%m	0.05

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47689 **DST#: 1**

Test Start: 2021.02.05 @ 15:25:00

GENERAL INFORMATION:

Formation: **Conglomerant**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:54:15
Time Test Ended: 21:52:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3771.00 ft (KB) To 3847.00 ft (KB) (TVD)
Total Depth: 3847.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

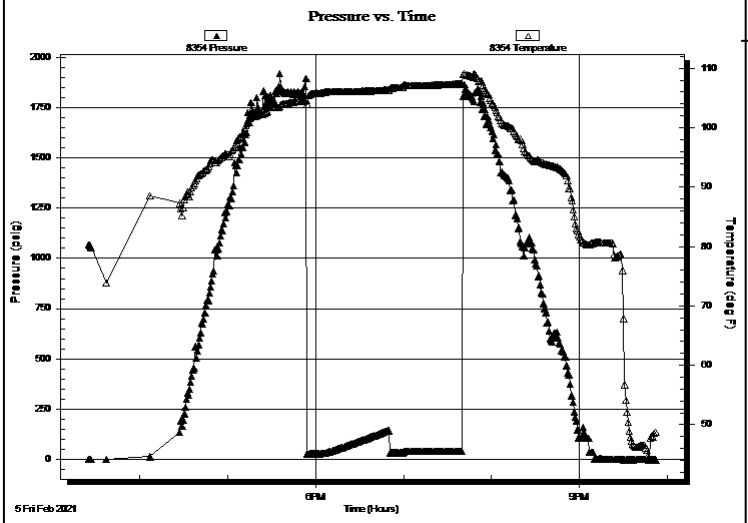
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 3772.00 ft (KB)
Start Date: 2021.02.05 End Date: 2021.02.05
Start Time: 15:25:05 End Time: 21:51:59

Capacity: 8000.00 psig
Last Calib.: 2021.02.05
Time On Btm:
Time Off Btm:

TEST COMMENT: 10 - IF - Surface blow slowly built up to 1/2"
45 - ISI - No Return
55 - FF - Blow started at a weak surface blow, Flushed tool 10 mins. into and blow stayed at a weak blow, then pulled tool.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM - Oil Spots - 100%m	0.05

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47689 **DST#: 1**

Test Start: 2021.02.05 @ 15:25:00

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

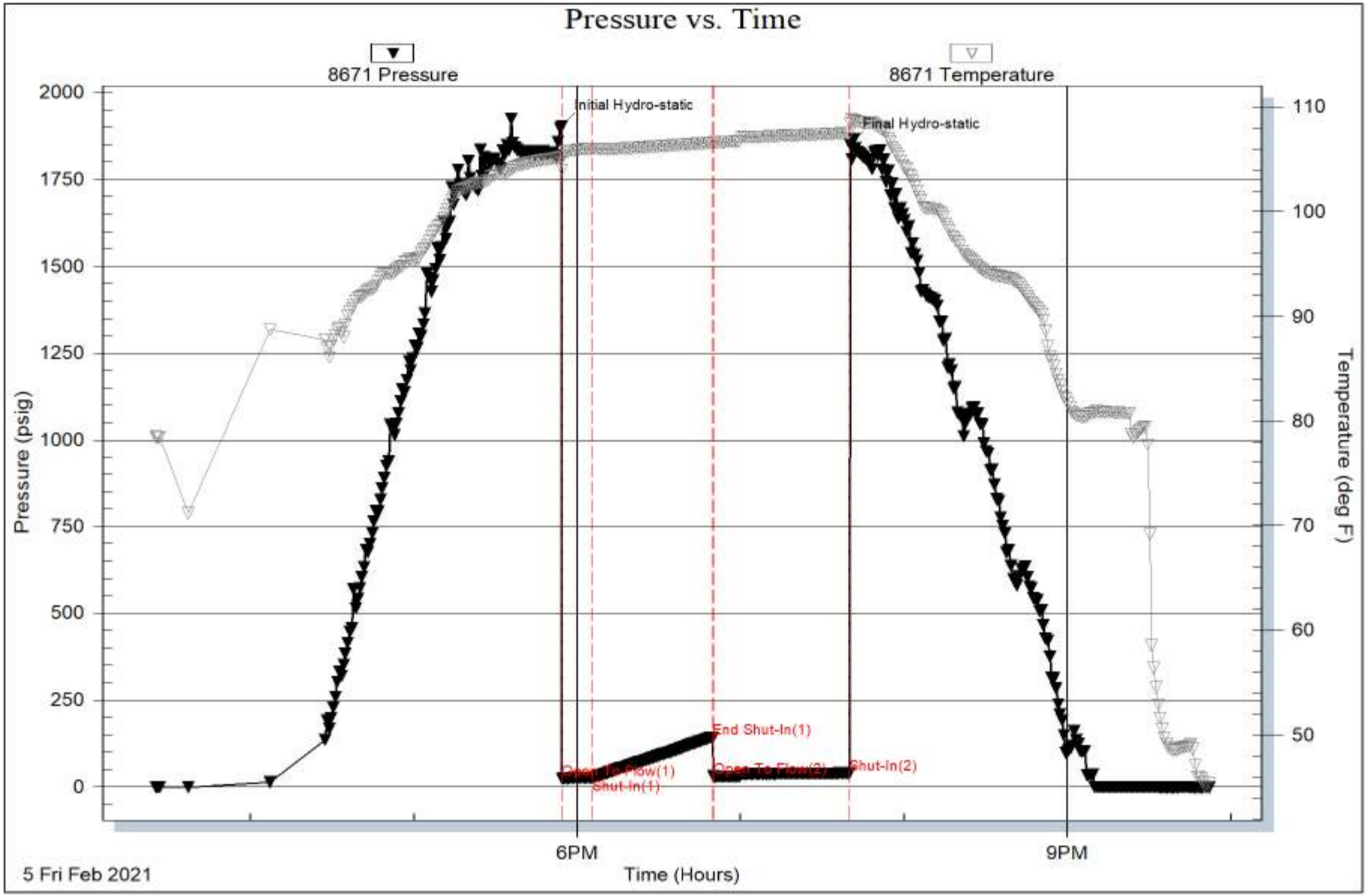
Recovery Table

Length ft	Description	Volume bbl
10.00	OSM - Oil Spots - 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

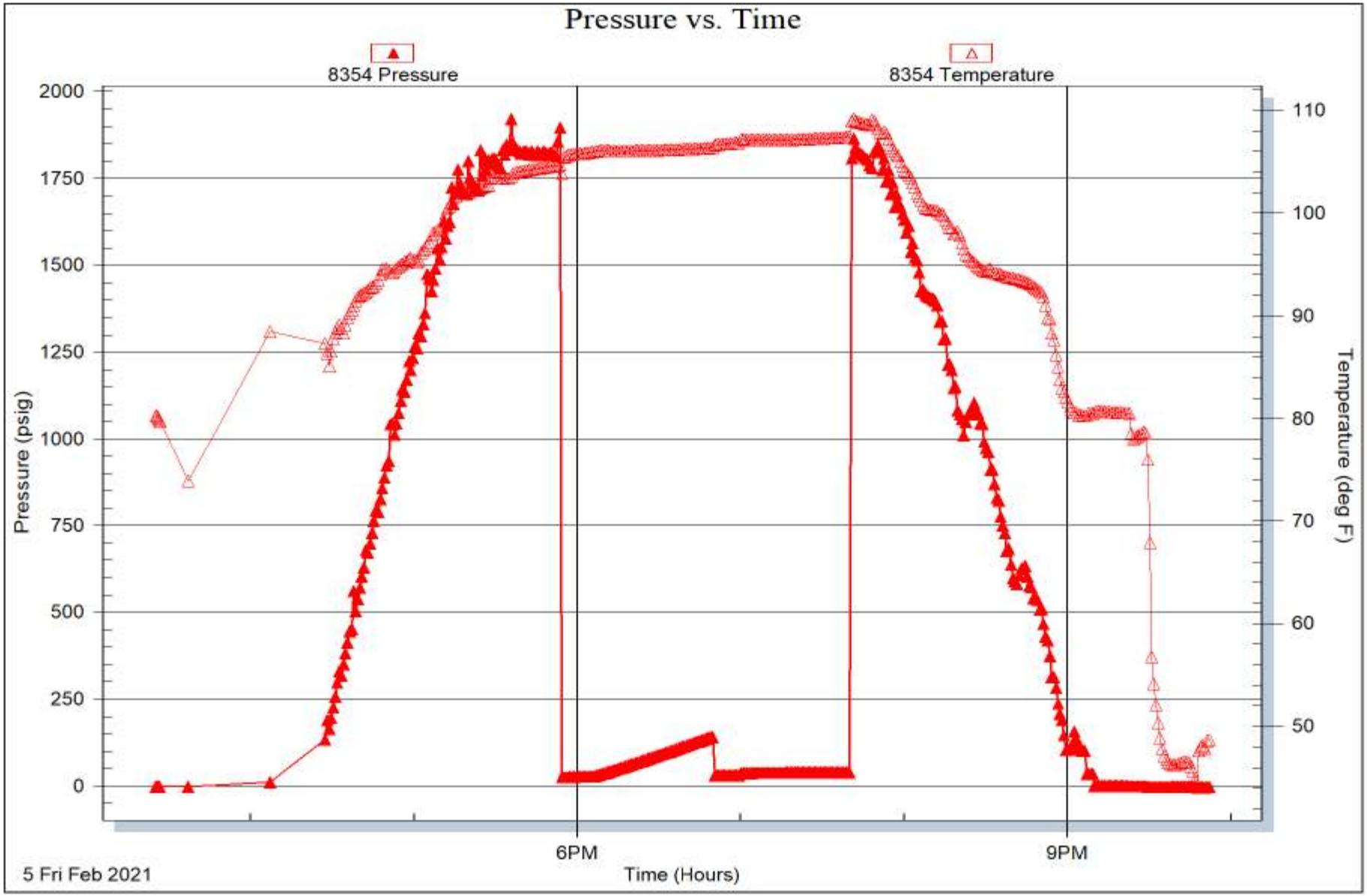
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8671 **Outside** Shelby Resources, LLC WFY OG #3-3 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 47689 Printed: 2021.02.05 @ 22:32:23

Serial #: 8354 **Inside** Shelby Resources, LLC WFY OG #3-3 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 47689 Printed: 2021.02.05 @ 22:32:23

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47690 **DST#: 2**

Test Start: 2021.02.06 @ 05:28:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:03:15
Time Test Ended: 14:06:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3805.00 ft (KB) To 3870.00 ft (KB) (TVD)
Total Depth: 3870.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

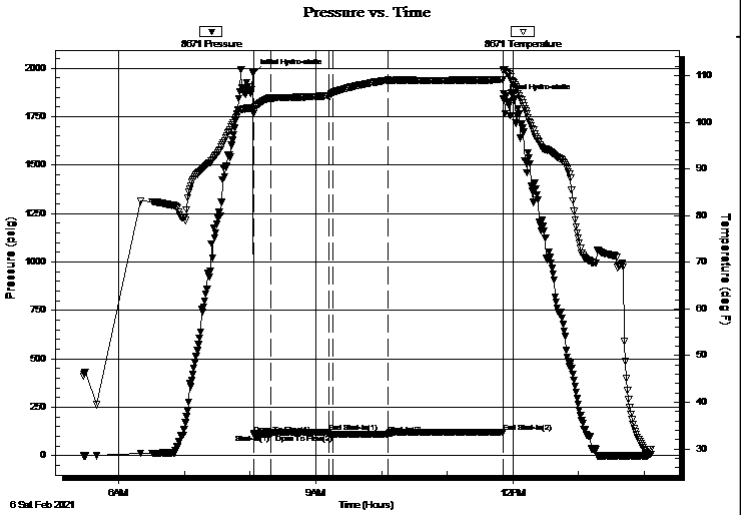
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 110.70 psig @ 3806.00 ft (KB)
Start Date: 2021.02.06 End Date: 2021.02.06
Start Time: 05:28:05 End Time: 14:06:15

Capacity: 8000.00 psig
Last Calib.: 2021.02.06
Time On Btm: 2021.02.06 @ 08:03:00
Time Off Btm: 2021.02.06 @ 11:51:15

TEST COMMENT: 15 - IF - Blow built to B.o.B. in 1 min. had gas to surface at the end of the open
45 - ISI - No Return
60 - FF - Blow built to B.o.B. in 1 min. had gas to surface through out.
90 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.92	103.01	Initial Hydro-static
1	110.23	101.84	Open To Flow (1)
16	110.71	105.27	Shut-In(1)
69	121.87	105.70	End Shut-In(1)
73	109.96	106.33	Open To Flow (2)
123	110.70	109.03	Shut-In(2)
228	120.87	109.11	End Shut-In(2)
229	1841.79	111.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
214.00	Mud - 100%m	1.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	17.00	115.03
Last Gas Rate	0.38	12.00	96.71
Max. Gas Rate	0.38	17.00	115.03

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47690 **DST#: 2**

Test Start: 2021.02.06 @ 05:28:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:03:15
Time Test Ended: 14:06:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3805.00 ft (KB) To 3870.00 ft (KB) (TVD)
Total Depth: 3870.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

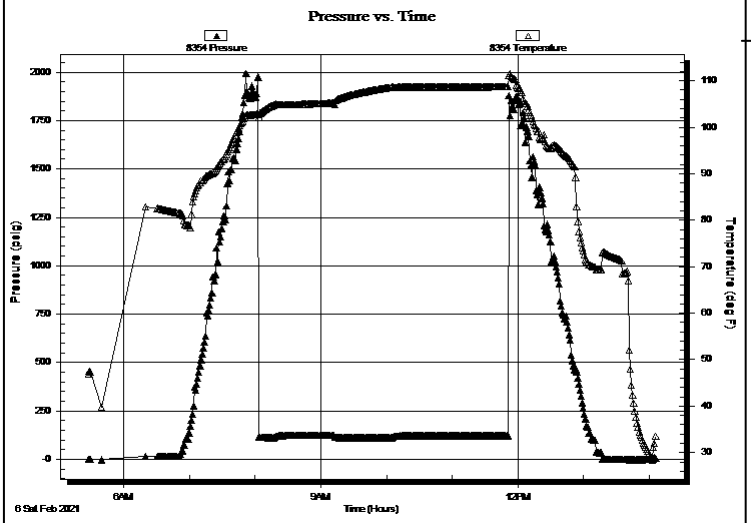
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 3806.00 ft (KB)
Start Date: 2021.02.06 End Date: 2021.02.06
Start Time: 05:28:05 End Time: 14:06:15

Capacity: 8000.00 psig
Last Calib.: 2021.02.06
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF - Blow built to B.o.B. in 1 min. had gas to surface at the end of the open
45 - ISI - No Return
60 - FF - Blow built to B.o.B. in 1 min. had gas to surface through out.
90 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
214.00	Mud - 100%m	1.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	17.00	115.03
Last Gas Rate	0.38	12.00	96.71
Max. Gas Rate	0.38	17.00	115.03

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47690 **DST#: 2**

Test Start: 2021.02.06 @ 05:28:00

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:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
214.00	Mud - 100%m	1.217

Total Length: 214.00 ft Total Volume: 1.217 bbl

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

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47690 **DST#: 2**

Test Start: 2021.02.06 @ 05:28:00

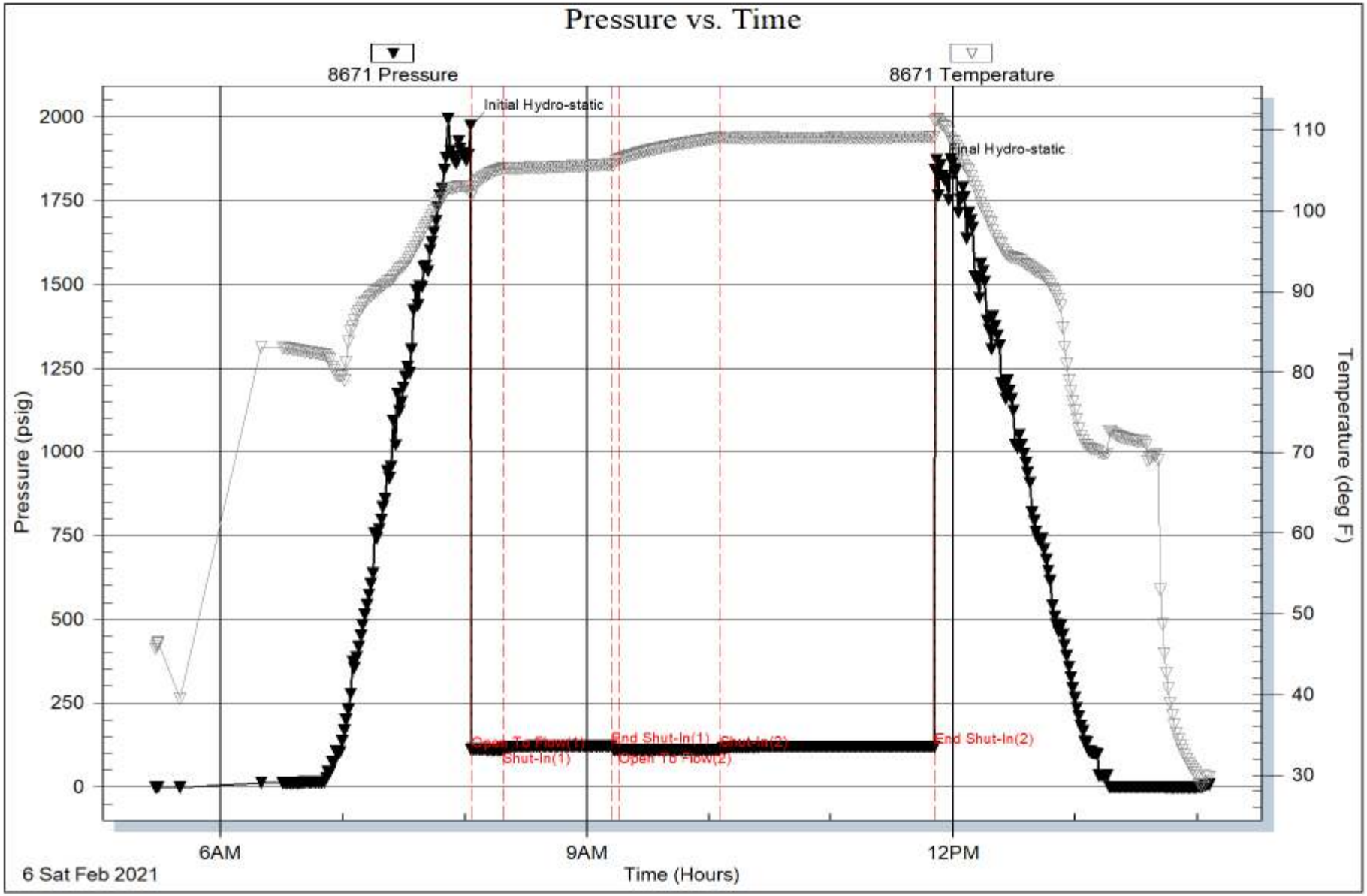
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

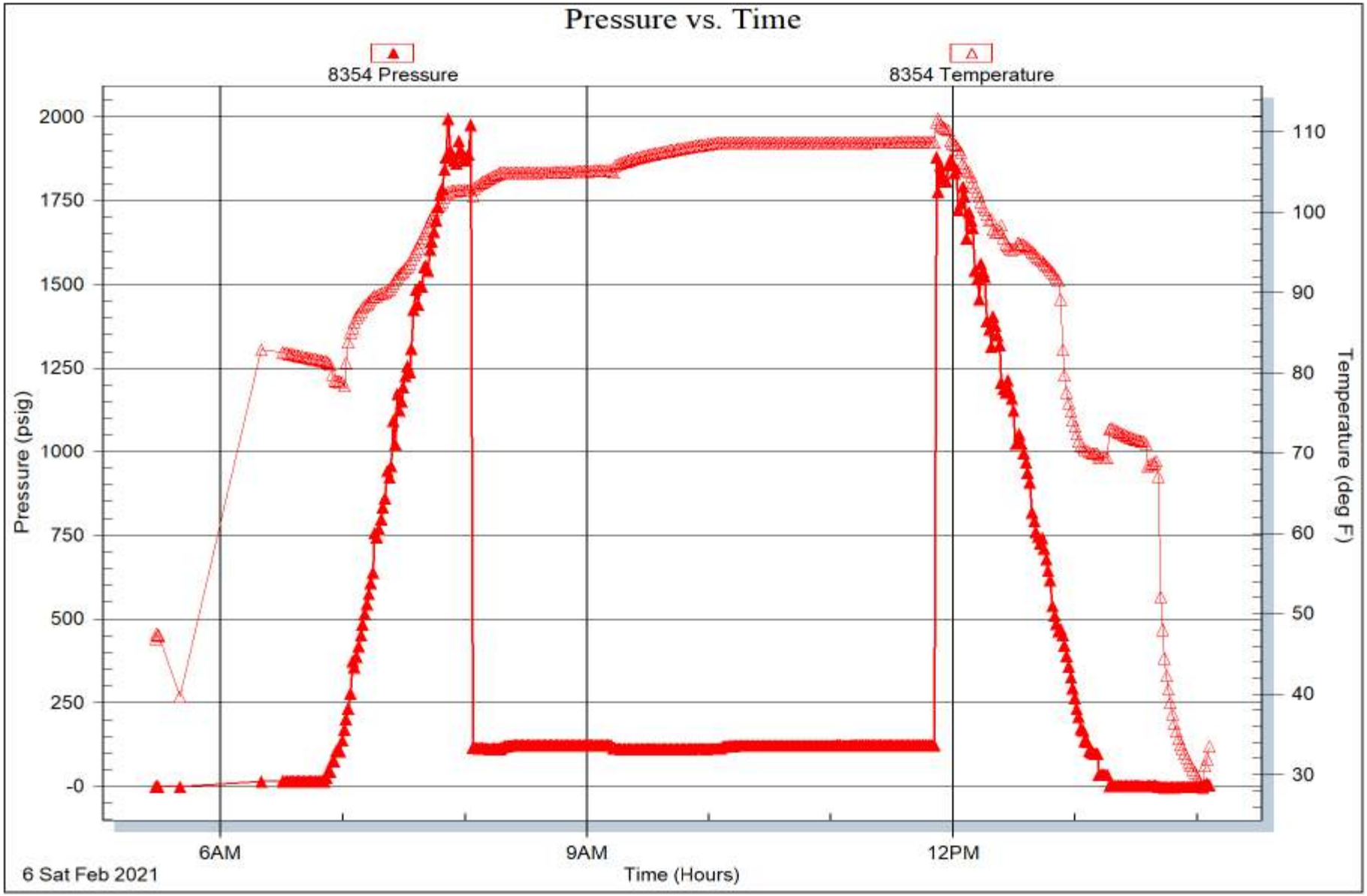
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.38	17.00	115.03
2	20	0.38	17.00	115.03
2	30	0.38	16.00	111.36
2	40	0.38	14.50	105.87
2	50	0.38	13.00	100.37
2	60	0.38	12.00	96.71
2	60	0.38	12.00	96.71

Serial #: 8671 **Outside** Shelby Resources, LLC WFY OG #3-3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 47690 Printed: 2021.02.06 @ 15:11:22

Serial #: 8354 **Inside** Shelby Resources, LLC WFY OG #3-3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 47690 Printed: 2021.02.06 @ 15:11:22

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47691 **DST#: 3**

Test Start: 2021.02.07 @ 00:30:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:48:00
Time Test Ended: 10:39:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: #77

Interval: 3892.00 ft (KB) To 3904.00 ft (KB) (TVD)
Total Depth: 3904.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

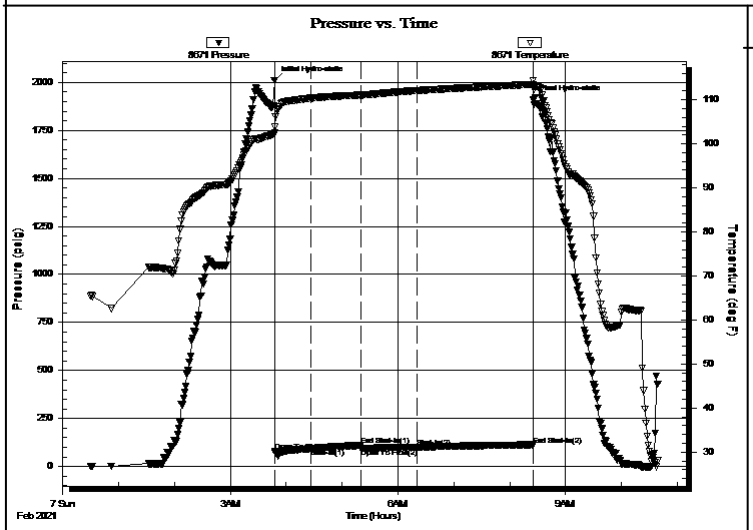
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 101.26 psig @ 3893.00 ft (KB)
Start Date: 2021.02.07 End Date: 2021.02.07
Start Time: 00:30:05 End Time: 10:39:00

Capacity: 8000.00 psig
Last Calib.: 2021.02.07
Time On Btm: 2021.02.07 @ 03:47:30
Time Off Btm: 2021.02.07 @ 08:24:59

TEST COMMENT: 30-IF-BOB 1 min Built to 50"
60-ISI-Weak Surface
60-FF-Surface to 3 3/4"
120-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2009.89	102.42	Initial Hydro-static
1	79.82	103.80	Open To Flow (1)
39	93.66	110.35	Shut-In(1)
93	110.25	111.08	End Shut-In(1)
93	96.07	111.08	Open To Flow (2)
153	101.26	112.08	Shut-In(2)
278	113.46	113.52	End Shut-In(2)
278	1908.47	114.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MO 50%M 50%O	0.30
160.00	GO 25%G 75%O	0.79
0.00	360 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47691 **DST#: 3**

Test Start: 2021.02.07 @ 00:30:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:48:00
Time Test Ended: 10:39:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: #77

Interval: 3892.00 ft (KB) To 3904.00 ft (KB) (TVD)
Total Depth: 3904.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

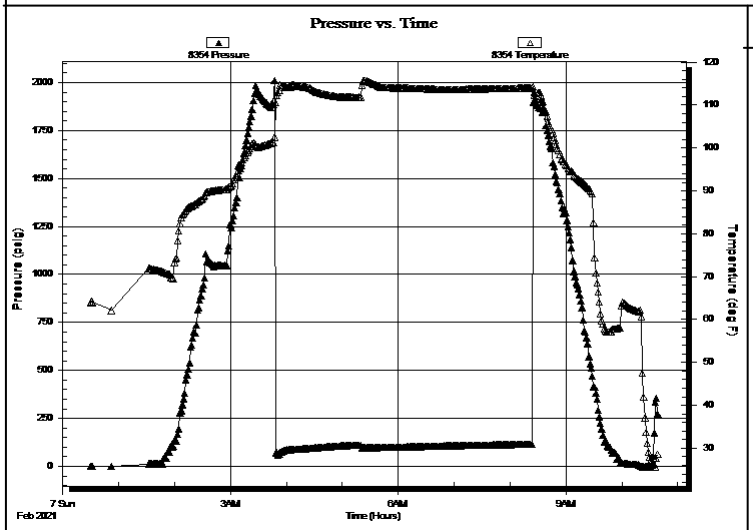
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 3893.00 ft (KB)
Start Date: 2021.02.07 End Date: 2021.02.07
Start Time: 00:30:05 End Time: 10:38:45

Capacity: 8000.00 psig
Last Calib.: 2021.02.07
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-BOB 1 min Built to 50"
60-ISI-Weak Surface
60-FF-Surface to 3 3/4"
120-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MO 50%M 50%O	0.30
160.00	GO 25%G 75%O	0.79
0.00	360 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47691 **DST#: 3**

Test Start: 2021.02.07 @ 00:30:05

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9900.00 ppm				
Filter Cake:	inches				

Recovery Information

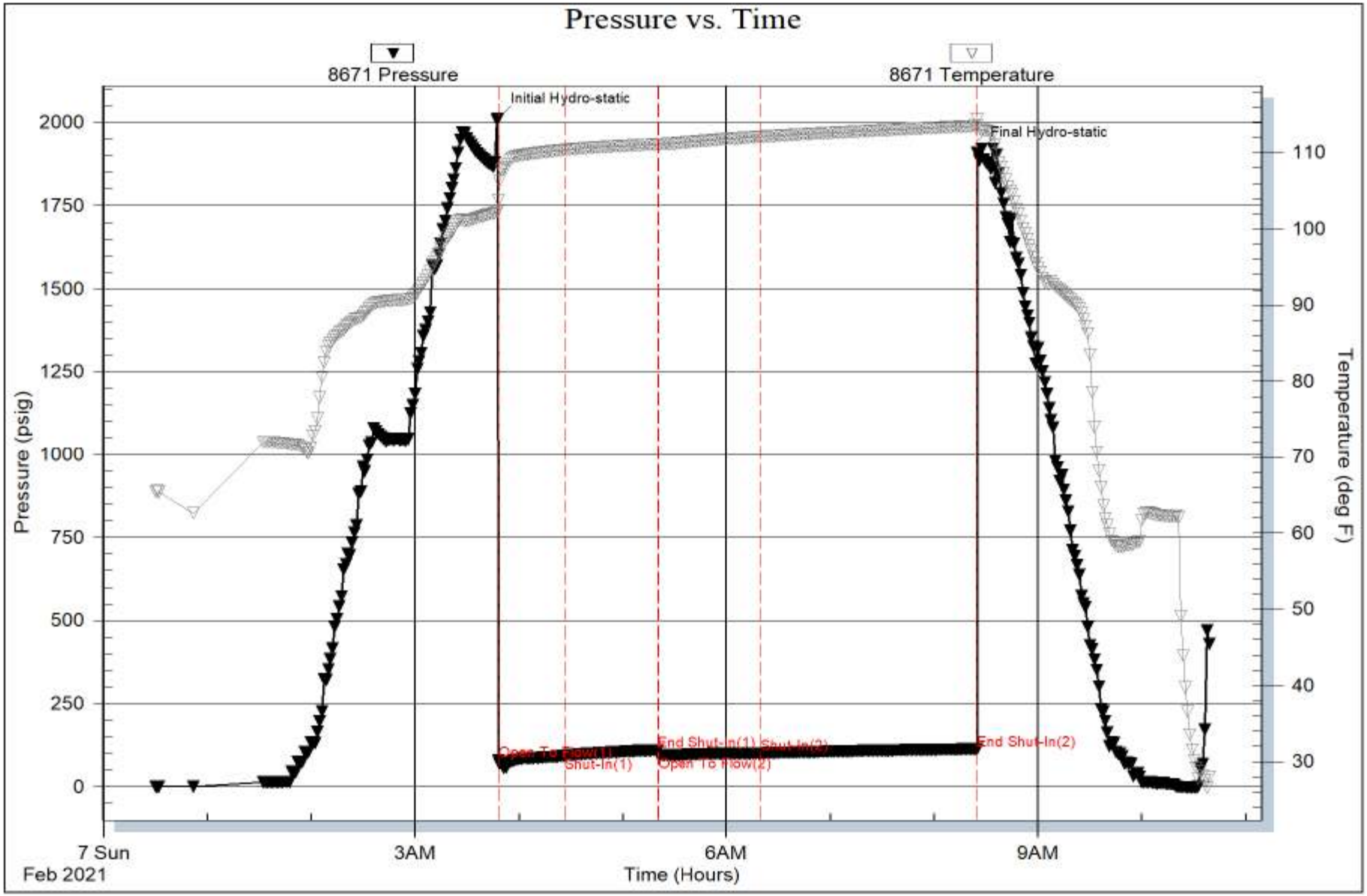
Recovery Table

Length ft	Description	Volume bbl
60.00	MO 50%M 50%O	0.295
160.00	GO 25%G 75%O	0.787
0.00	360 GIP	0.000

Total Length: 220.00 ft Total Volume: 1.278 bbl

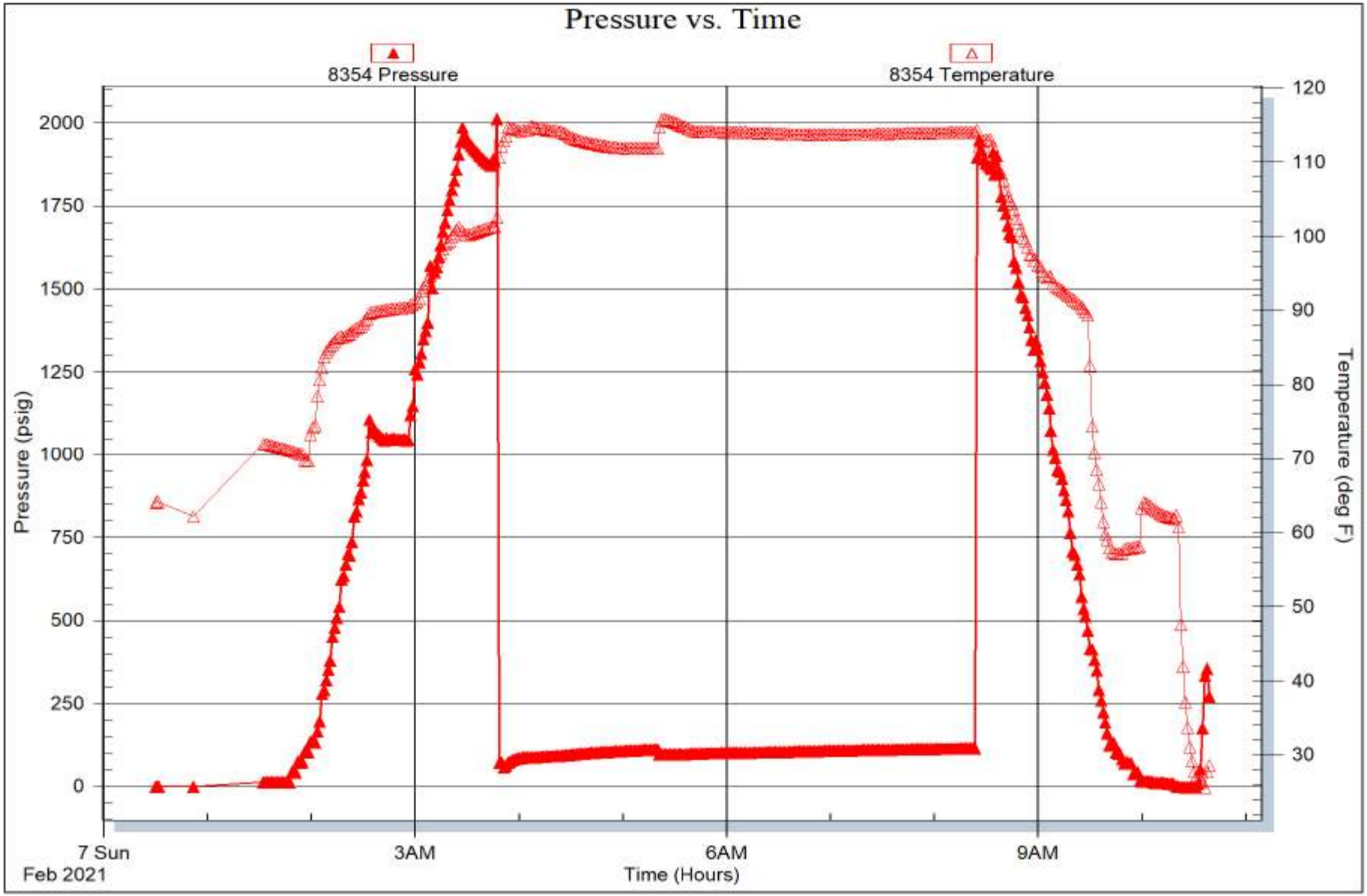
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 1#LCM

Serial #: 8671 **Outside** Shelby Resources, LLC WFY OG #3-3 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 47691 Printed: 2021.02.07 @ 11:00:43

Serial #: 8354 **Inside** Shelby Resources, LLC WFY OG #3-3 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 47691 Printed: 2021.02.07 @ 11:00:43

Scale 1:240 Imperial

Well Name:	WFYOG #3-3		
Surface Location:	1685' FNL _1845' FWL, Sec. 3-T22s-R16w		
Bottom Location:			
API:	15-145-21865-00-00		
License Number:	31725		
Spud Date:	1/29/2021	Time:	11:30 AM
Region:	Pawnee		
Drilling Completed:	2/7/2021	Time:	6:00 PM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	1988.00ft		
K.B. Elevation:	1999.00ft		
Logged Interval:	3100.00ft	To:	4000.00ft
Total Depth:	3975.00ft		
Formation:	Conglomerate		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Shelby Resources, LLC		
Address:	3700 Quebec St. Unit 100 PMB 376 Denver, CO 80207		
Contact Geologist:	Jeff Zoller / Jeremy Schwartz		
Contact Phone Nbr:	620-786-0807 / 203-671-6034		
Well Name:	WFYOG #3-3		
Location:	1685' FNL _1845' FWL, Sec. 3-T22s-R16w		
API:	15-145-21865-00-00		
Pool:		Field:	Larned
State:	Kansas	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

NOTES

The Shelby Resources, LLC WFYOG #3-3 was drilled to a total depth of 3975', bottoming in the Arbuckle. An iBall Instruments Bloodhound gas detector was employed in the drilling of said well.

3 DST's were conducted during the drilling of this well throughout the Conglomerate, Simpson, and Arbuckle zones. The DST reports can be found at the bottom of this log.

Due to marginal DST results with very low pressure readings in addition to log anlysis and sample shows it was determined by all parties involved to plug and abanodon the well. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor:	WW Drilling

Rig #:	20		
Rig Type:	mud rotary		
Spud Date:	1/29/2021	Time:	11:30 AM
TD Date:	2/7/2021	Time:	6:00 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1999.00ft	Ground Elevation:	1988.00ft
K.B. to Ground:	11.00ft		

DATE	DEPTH	ACTIVITY
Wednesday, February 03, 2021	3045'	Geologist Jeremy Schwartz on location @ 1700hrs, 3045', Drlg ahead through Topeka,
Thursday, February 04, 2021	3350'	Heebner, Toronto, Douglas, Brown Lime, Lansing, BKC,
Friday, February 05, 2021	3825'	Conglomerate, CFS @ 3847', short trip, strap out for DST #1 in the conlgomerate,
	3847'	successful test, resume drlg ahead, CFS @ 3870',
Saturday, February 06, 2021	3870'	Conduct DST #2 in the Simpson, successful test, resume drlg ahead, CFS @ 3904'
Sunday, February 07, 2021	3904'	Conduct DST #3 in the Arbuckle, successful test, resume drlg, CFS @ 3916',
	3975'	resume drlg ahead to TD, TD of 3975' reached at 1700hrs, CTCH 90min,
		TOH to conduct logging operations, logging operations complete @ 0300hrs
		Geologist Jeremy Schwartz off location @ 0400hrs

CLIENT:	Shelby Resources, LLC
WELL NAME:	WFYOG #3-3
LEGAL:	SE-NW-SE-NW Sec. 3-T22S-R16W
COUNTY:	Pawnee
API :	15-145-21865-00-00
DRLG CONTRACTOR:	WW Drilling
RIG #:	20
DOGHOUSE #:	(785) 694-3635
TOOLPUSHER:	Bo Farr
CELL #:	(785) 470-7203

	WFYOG #3-3				SHELBY RESOURCES BUSTER 1-3 NE-NE-NW-SW Sec. 3-22S-16W						OIL - P&A MUSGROVE PET. BALDWIN A2 SW-NE-NW Sec. 3-22S-16W						SHELBY RESOURCES WFYOG 2-3 W/2-NW-NW-NE Sec. 3-22S-16W					
	KB	1999			KB	1999					KB	1993					KB	1999				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG CORR.		SMPL. CORR.		COMP. CARD		LOG CORR.		SMPL. CORR.		COMP. CARD		LOG CORR.		SMPL. CORR.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM					DEPTH	DATUM					DEPTH	DATUM				
ANHYDRITE TOP	988	1011	991	1008	995	1004	+	7	+	4							990	1009	+	2	-	1
BASE	1010	989			1015	984	+	5			998	995	-	6			1012	987	+	2		
TOPEKA	3142	-1143	3144	-1145	3138	-1139	-	4	-	6							3132	-1133	-	10	-	12
HEEBNER	3413	-1414	3412	-1413	3403	-1404	-	10	-	9	3394	-1401	-	13	-	12	3396	-1397	-	17	-	16
TORONTO	3430	-1431	3430	-1431	3424	-1425	-	6	-	6							3416	-1417	-	14	-	14
DOUGLAS SHALE	3448	-1449	3447	-1448	3438	-1439	-	10	-	9							3431	-1432	-	17	-	16
BROWN LIME	3520	-1521	3519	-1520	3510	-1511	-	10	-	9	3499	-1506					3504	-1505	-	16	-	15
LANSING	3529	-1530	3527	-1528	3518	-1519	-	11	-	9	3508	-1515	-	15	-	13	3514	-1515	-	15	-	13
LKC G POROSITY	3619	-1620	3618	-1619	3607	-1608	-	12	-	11							3602	-1603	-	17	-	16
LKC H	3660	-1661	3654	-1655	3645	-1646	-	15	-	9							3640	-1641	-	20	-	14
STARK SHALE	3720	-1721	3720	-1721	3711	-1712	-	9	-	9							3699	-1700	-	21	-	21
BKC	3773	-1774	3773	-1774	3763	-1764	-	10	-	10							3751	-1752	-	22	-	22
PENN SAND/CHERT	3843	-1844	3842	-1843	3829	-1830	-	14	-	13	3819	-1826	-	18	-	17	3825	-1826	-	18	-	17
SIMPSON SHALE	3846	-1847	3846	-1847													3818	-1819			-	28
SIMPSON SAND	3850	-1851	3848	-1849													3825	-1826	-	25	-	23
LOWER SIMP SHALE	3858	-1859	3857	-1858	3836	-1837	-	22	-	21							3834	-1835			-	23
LOWER SIMP SAND																	3836	-1837				
ARBUCKLE	3894	-1895	3895	-1896	3879	-1880	-	15	-	16	3862	-1869	-	26	-	27	3869	-1870	-	25	-	26
RTD			3975	-1976	3970	-1971			-	5	3870	-1877			-	99	3950	-1951			-	25
LTD	3976	-1977			3966	-1967	-	10									3950	-1951	-	26		
					TESTED						*TESTED*						*TESTED*					
					DST #1 (3795-3892) Conglomerate Strong Blow BOB 1min Surface BB WSB/Flushed Tool - BOB 1min/GTS 41min BB BOB 1min 189' GOCM (25%O) / 63' SOCM (5%O) 2772' SMCGO (65%O) SIP: 1239-1226#						NO LOG / NO DST'S TAKEN **TOPS ARE CARD TOPS**						DST #1 (3787-3837) Conglomerate/Simp Strong Blow BOB 3min 1/2" BB Strong Blow BOB 2.5min BB BOB 813' CGO / 627' OCGM (60%O) 2330' GIP					
					DST #2 (3771-3868) Arbuckle Strong Blow BOB 40sec BB 3/4in Strong Blow BOB 30sec No BB 189' MW / 2614' SMGCW SIP: 1311-1310#												DST #2 (3866-3871) Arbuckle WSB died after 6min No BB Blow Died / Flushed Tool / No Blow No BB 4' Mud w/oil spots SIP: 1107-214#					
					PERF 3829-33' (Conglomerate)						ARBUCKLE OH						Perf 3824-30' (Conglomerate)					

3D PROGNOSIS		
ANHYDRITE TOP	989	1010
HEEBNER	3403	-1404
LANSING	3518	-1519
BKC	3763	-1764
PENN CHERT/SAND	3829	-1830
ARBUCKLE	3879	-1880
RTD	3970	-1971

ROCK TYPES

Congl | Dolprim | Lmst fw<7 | shale, grn | shale, gry | Carbon Sh | shale, red | Shcol | Ss

ACCESSORIES

FOSSIL
- Bioclastic or Fragmental
- F Fossils < 20%
- Oolites
- Oomoldic

STRINGER
- Chert
- Limestone
- Sandstone
- Siltstone
- green shale
- red shale

TEXTURE
- C Chalky

OTHER SYMBOLS

MISC
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST
- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial

Depth | Intervals
Cored Interval
DST Interval

DST

Lithology

Oil Show

Geological Descriptions

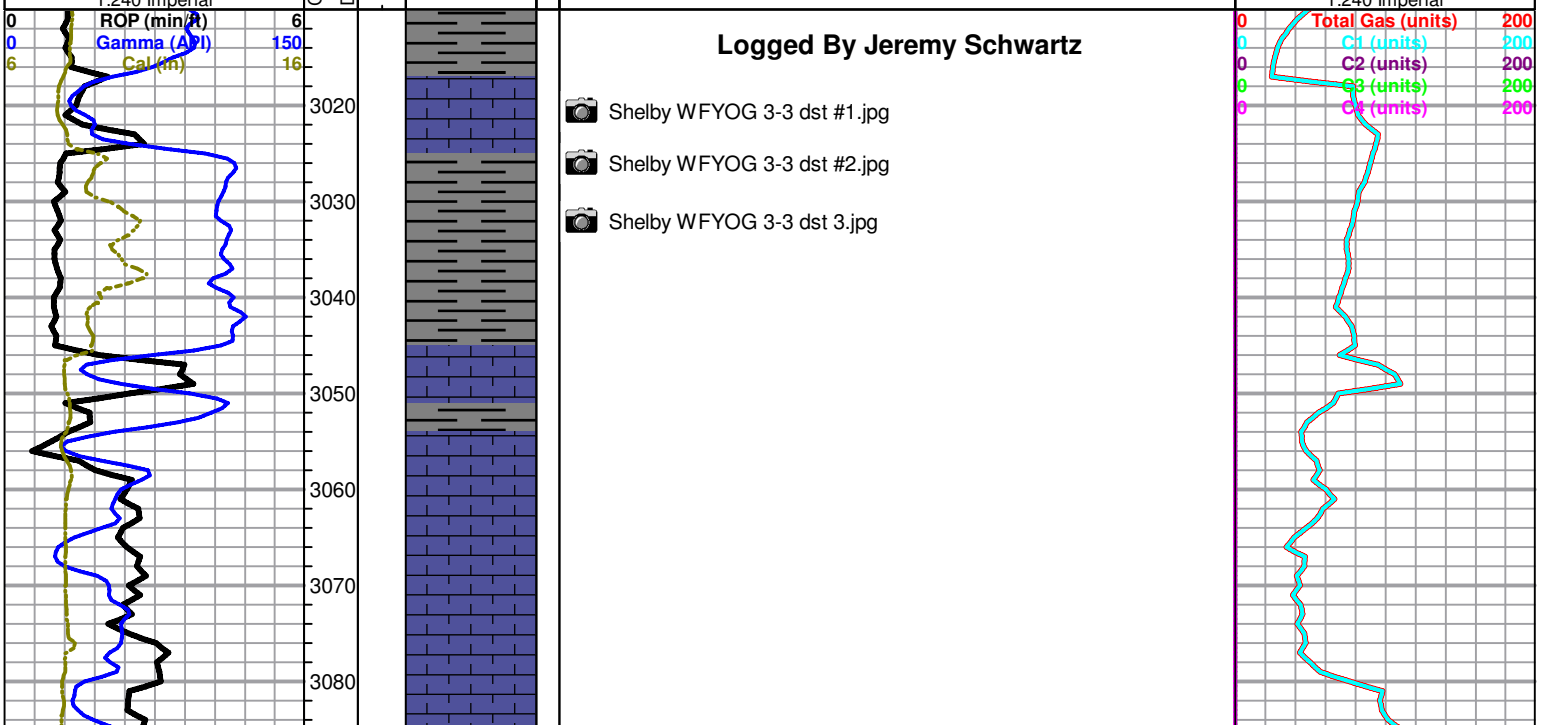
Logged By Jeremy Schwartz

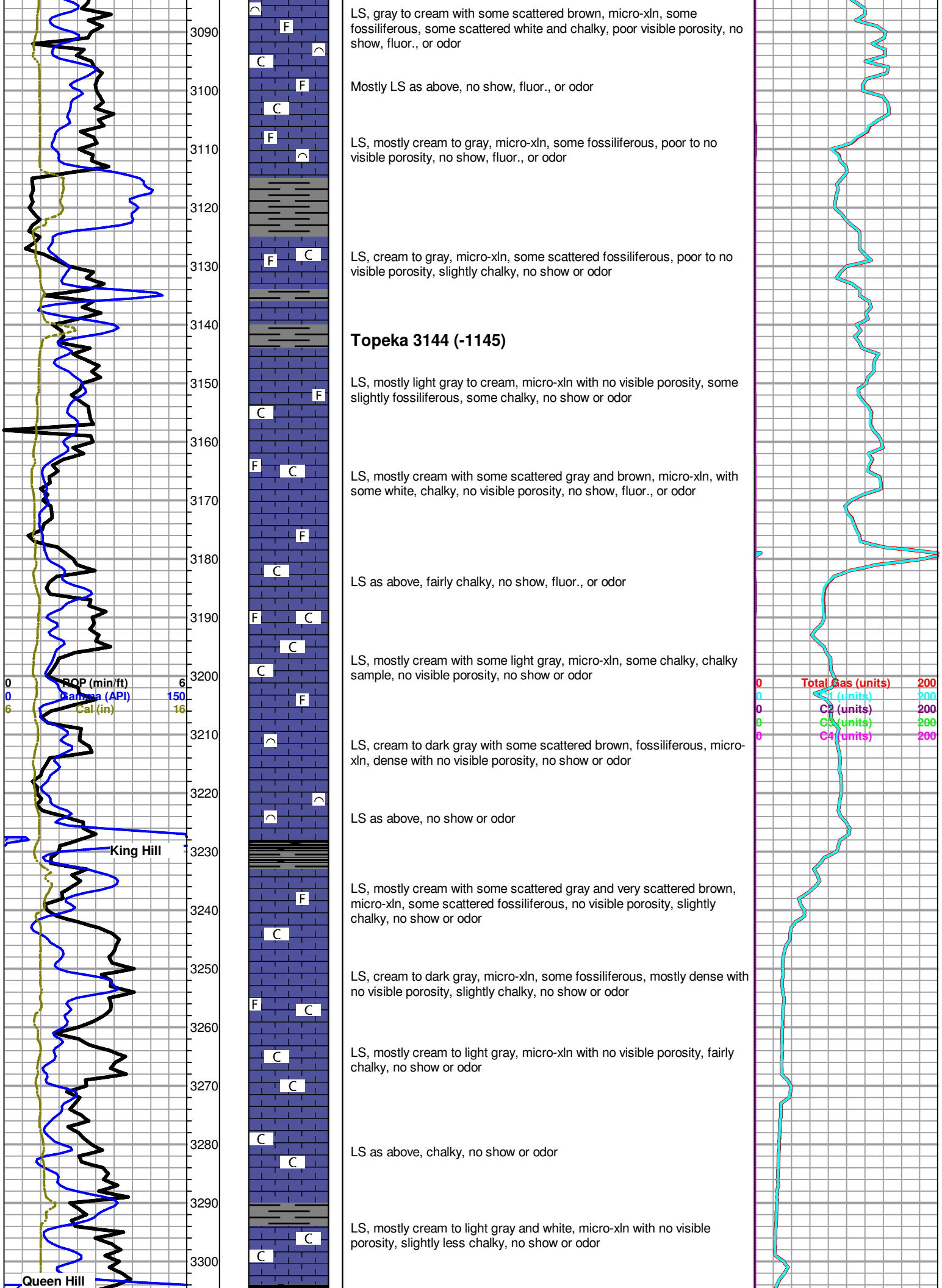
Shelby WFYOG 3-3 dst #1.jpg

Shelby WFYOG 3-3 dst #2.jpg

Shelby WFYOG 3-3 dst 3.jpg

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial





LS, gray to cream with some scattered brown, micro-xln, some fossiliferous, some scattered white and chalky, poor visible porosity, no show, fluor., or odor

Mostly LS as above, no show, fluor., or odor

LS, mostly cream to gray, micro-xln, some fossiliferous, poor to no visible porosity, no show, fluor., or odor

LS, cream to gray, micro-xln, some scattered fossiliferous, poor to no visible porosity, slightly chalky, no show or odor

Topeka 3144 (-1145)

LS, mostly light gray to cream, micro-xln with no visible porosity, some slightly fossiliferous, some chalky, no show or odor

LS, mostly cream with some scattered gray and brown, micro-xln, with some white, chalky, no visible porosity, no show, fluor., or odor

LS as above, fairly chalky, no show, fluor., or odor

LS, mostly cream with some light gray, micro-xln, some chalky, chalky sample, no visible porosity, no show or odor

LS, cream to dark gray with some scattered brown, fossiliferous, micro-xln, dense with no visible porosity, no show or odor

LS as above, no show or odor

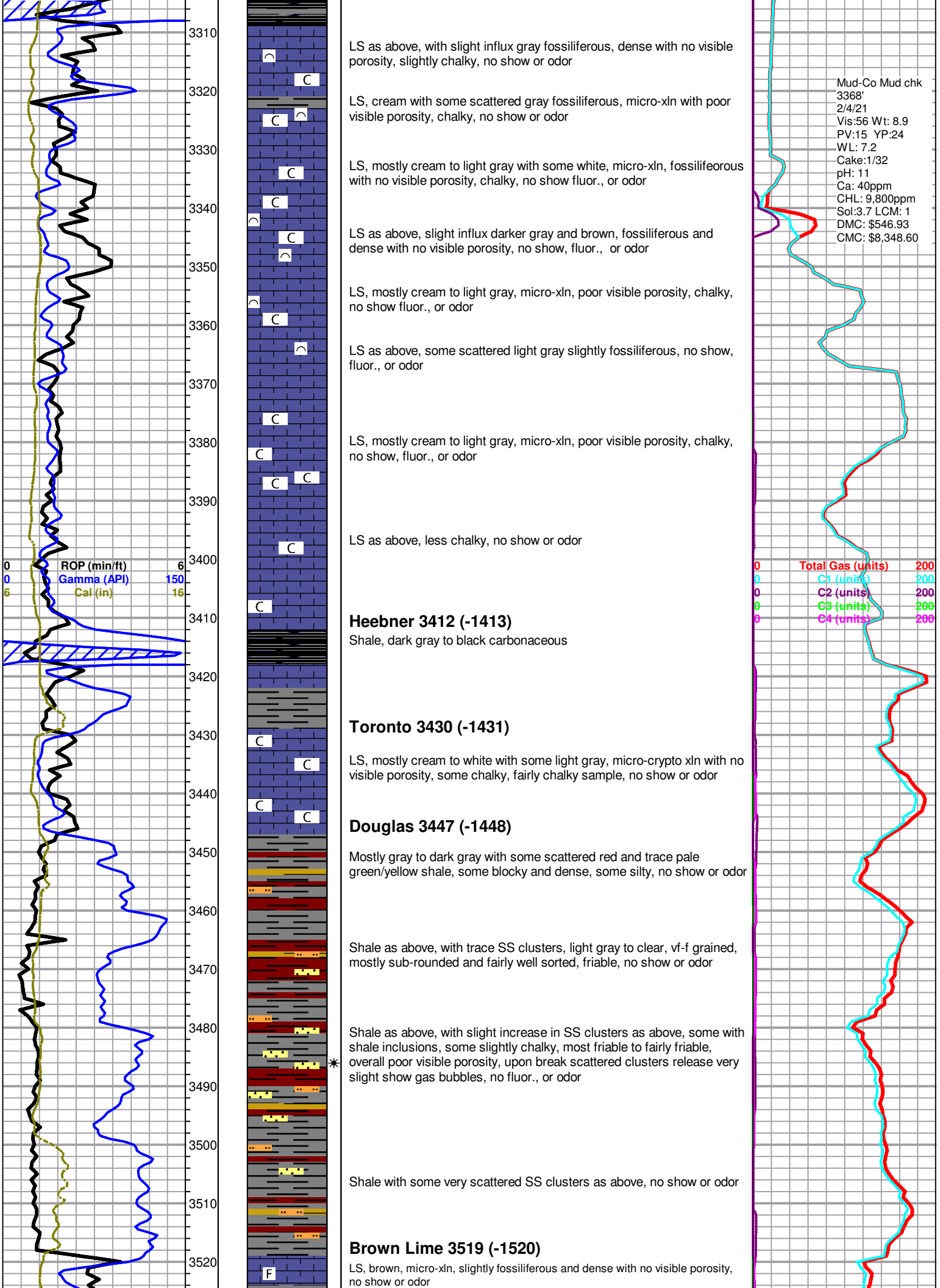
LS, mostly cream with some scattered gray and very scattered brown, micro-xln, some scattered fossiliferous, no visible porosity, slightly chalky, no show or odor

LS, cream to dark gray, micro-xln, some fossiliferous, mostly dense with no visible porosity, slightly chalky, no show or odor

LS, mostly cream to light gray, micro-xln with no visible porosity, fairly chalky, no show or odor

LS as above, chalky, no show or odor

LS, mostly cream to light gray and white, micro-xln with no visible porosity, slightly less chalky, no show or odor



LS as above, with slight influx gray fossiliferous, dense with no visible porosity, slightly chalky, no show or odor

LS, cream with some scattered gray fossiliferous, micro-xln with poor visible porosity, chalky, no show or odor

LS, mostly cream to light gray with some white, micro-xln, fossilifeorous with no visible porosity, chalky, no show fluor., or odor

LS as above, slight influx darker gray and brown, fossiliferous and dense with no visible porosity, no show, fluor., or odor

LS, mostly cream to light gray, micro-xln, poor visible porosity, chalky, no show fluor., or odor

LS as above, some scattered light gray slightly fossiliferous, no show, fluor., or odor

LS, mostly cream to light gray, micro-xln, poor visible porosity, chalky, no show, fluor., or odor

LS as above, less chalky, no show or odor

Heebner 3412 (-1413)

Shale, dark gray to black carbonaceous

Toronto 3430 (-1431)

LS, mostly cream to white with some light gray, micro-crypto xln with no visible porosity, some chalky, fairly chalky sample, no show or odor

Douglas 3447 (-1448)

Mostly gray to dark gray with some scattered red and trace pale green/yellow shale, some blocky and dense, some silty, no show or odor

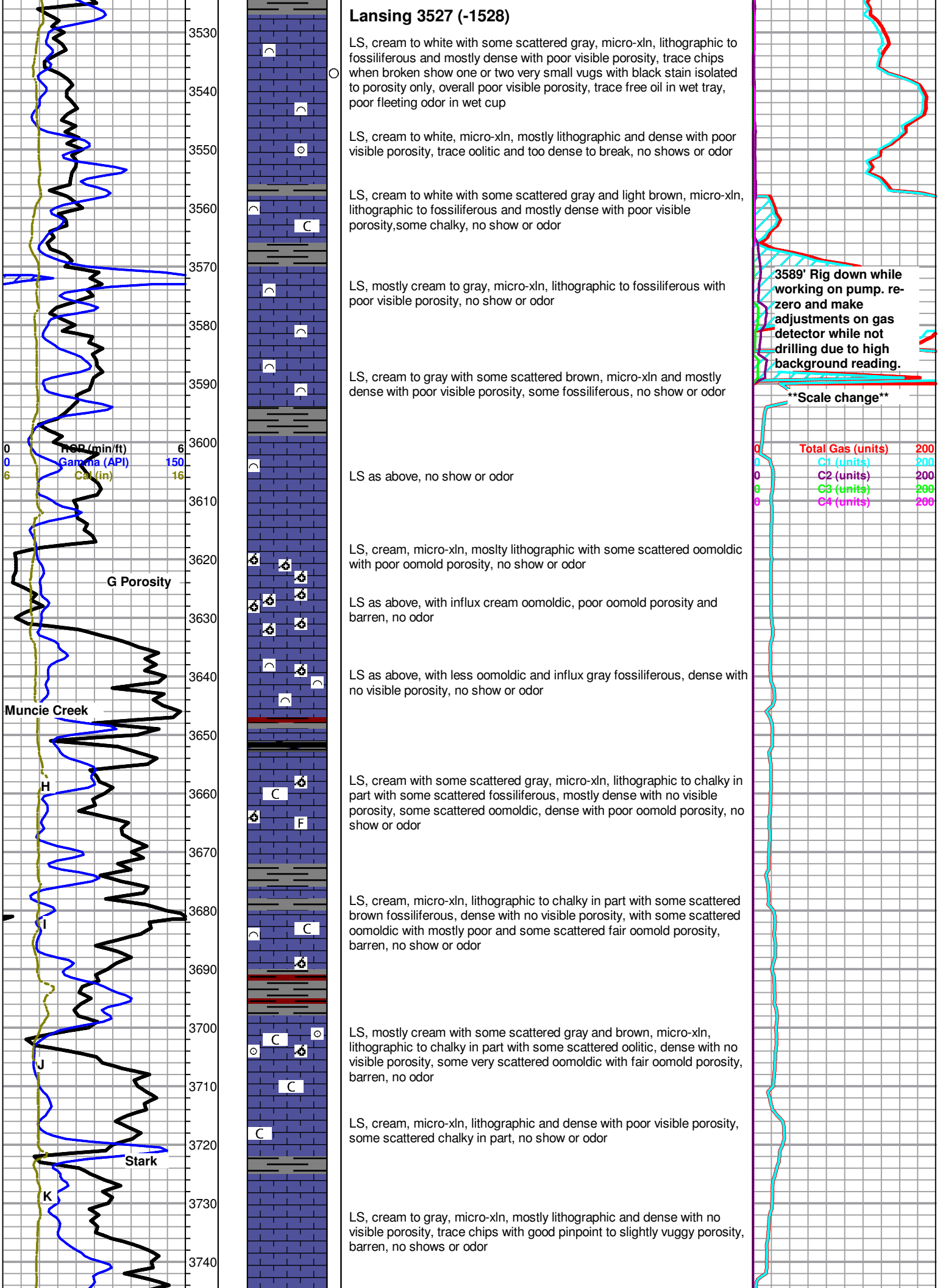
Shale as above, with trace SS clusters, light gray to clear, vf-f grained, mostly sub-rounded and fairly well sorted, friable, no show or odor

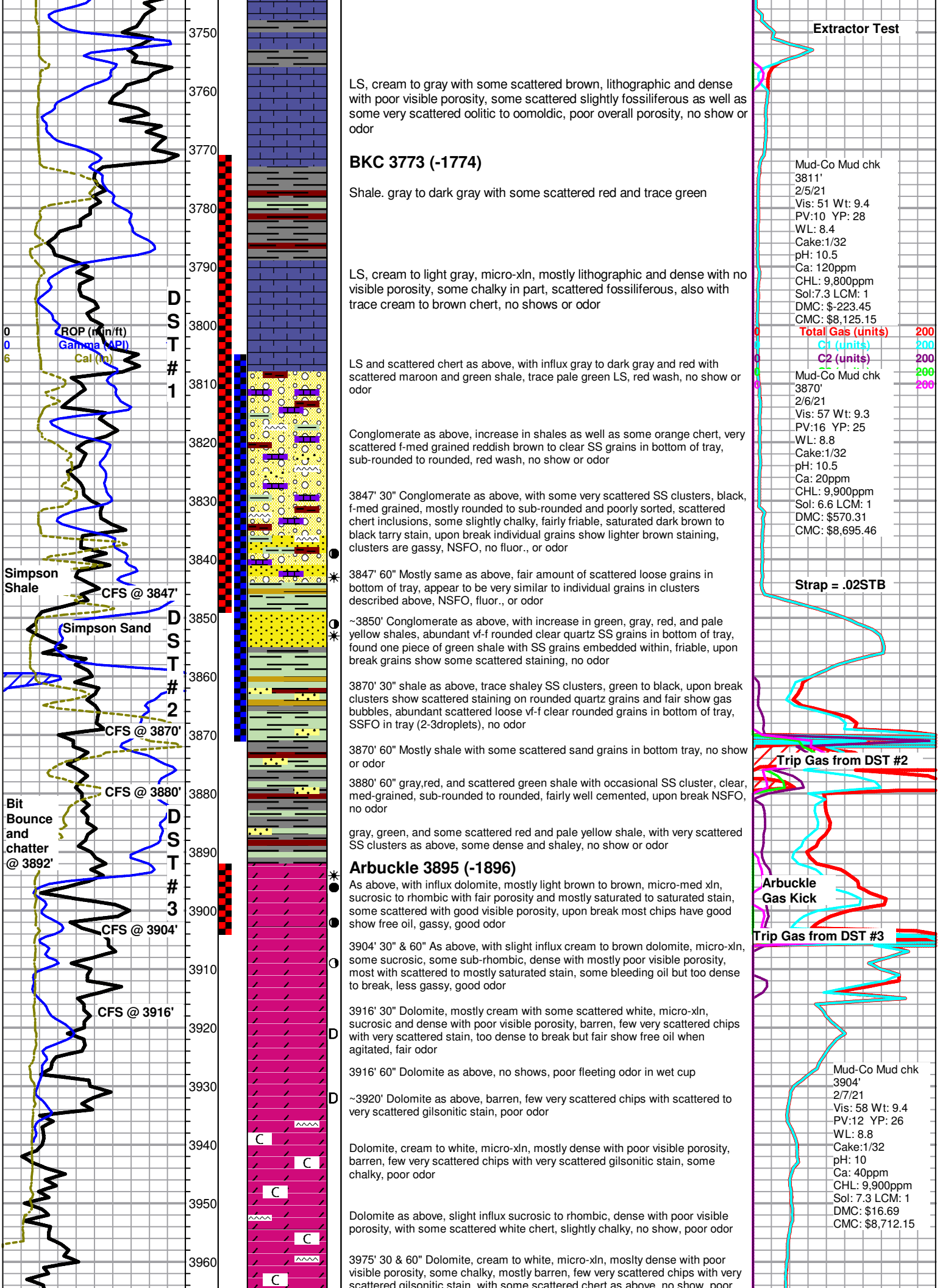
Shale as above, with slight increase in SS clusters as above, some with shale inclusions, some slightly chalky, most friable to fairly friable, overall poor visible porosity, upon break scattered clusters release very slight show gas bubbles, no fluor., or odor

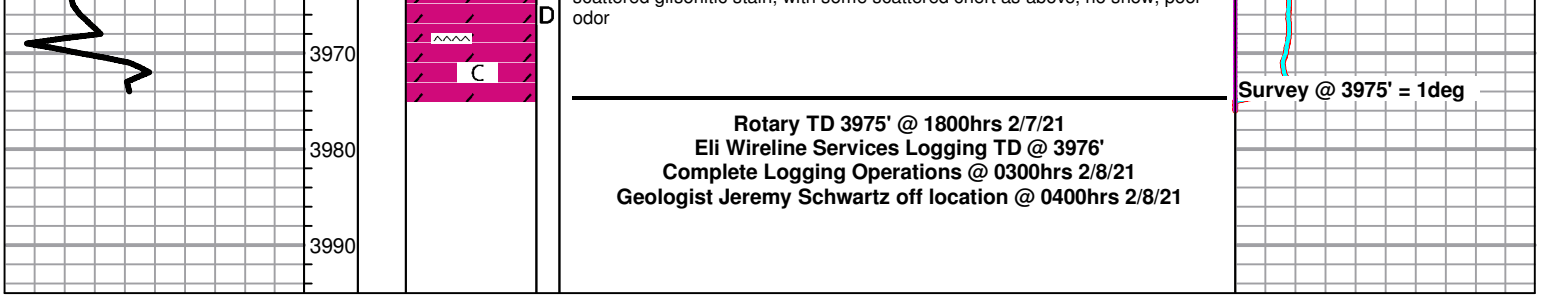
Shale with some very scattered SS clusters as above, no show or odor

Brown Lime 3519 (-1520)

LS, brown, micro-xln, slightly fossiliferous and dense with no visible porosity, no show or odor


Lansing 3527 (-1528)
LS, cream to white with some scattered gray, micro-xln, lithographic to fossiliferous and mostly dense with poor visible porosity, trace chips when broken show one or two very small vugs with black stain isolated to porosity only, overall poor visible porosity, trace free oil in wet tray, poor fleeting odor in wet cup
LS, cream to white, micro-xln, mostly lithographic and dense with poor visible porosity, trace oolitic and too dense to break, no shows or odor
LS, cream to white with some scattered gray and light brown, micro-xln, lithographic to fossiliferous and mostly dense with poor visible porosity,some chalky, no show or odor
LS, mostly cream to gray, micro-xln, lithographic to fossiliferous with poor visible porosity, no show or odor
LS, cream to gray with some scattered brown, micro-xln and mostly dense with poor visible porosity, some fossiliferous, no show or odor
LS as above, no show or odor
LS, cream, micro-xln, moslty lithographic with some scattered oomoldic with poor oomold porosity, no show or odor
LS as above, with influx cream oomoldic, poor oomold porosity and barren, no odor
LS as above, with less oomoldic and influx gray fossiliferous, dense with no visible porosity, no show or odor
LS, cream with some scattered gray, micro-xln, lithographic to chalky in part with some scattered fossiliferous, mostly dense with no visible porosity, some scattered oomoldic, dense with poor oomold porosity, no show or odor
LS, cream, micro-xln, lithographic to chalky in part with some scattered brown fossiliferous, dense with no visible porosity, with some scattered oomoldic with mostly poor and some scattered fair oomold porosity, barren, no show or odor
LS, mostly cream with some scattered gray and brown, micro-xln, lithographic to chalky in part with some scattered oolitic, dense with no visible porosity, some very scattered oomoldic with fair oomold porosity, barren, no odor
LS, cream, micro-xln, lithographic and dense with poor visible porosity, some scattered chalky in part, no show or odor
LS, cream to gray, micro-xln, mostly lithographic and dense with no visible porosity, trace chips with good pinpoint to slightly vuggy porosity, barren, no shows or odor
3589' Rig down while working on pump. re-zero and make adjustments on gas detector while not drilling due to high background reading.
Scale change
0 ROP (min/ft) 6
0 Gamma (API) 150
6 Cal (in) 16
0 Total Gas (units) 200
0 C1 (units) 200
0 C2 (units) 200
0 C3 (units) 200
0 C4 (units) 200
G Porosity
Muncie Creek
H
I
J
Stark
K
3530
3540
3550
3560
3570
3580
3590
3600
3610
3620
3630
3640
3650
3660
3670
3680
3690
3700
3710
3720
3730
3740


0
ROP (min/ft)
0
Gamma (API)
6
Cal (in)
3750
3760
3770
3780
3790
3800
3810
3820
3830
3840
3850
3860
3870
3880
3890
3900
3910
3920
3930
3940
3950
3960
DST #1
DST #2
DST #3
Simpson Shale
CFS @ 3847'
Simpson Sand
CFS @ 3870'
CFS @ 3880'
Bit Bounce and chatter @ 3892'
CFS @ 3904'
CFS @ 3916'
LS, cream to gray with some scattered brown, lithographic and dense with poor visible porosity, some scattered slightly fossiliferous as well as some very scattered oolitic to oomoldic, poor overall porosity, no show or odor
BKC 3773 (-1774)
Shale. gray to dark gray with some scattered red and trace green
LS, cream to light gray, micro-xln, mostly lithographic and dense with no visible porosity, some chalky in part, scattered fossiliferous, also with trace cream to brown chert, no shows or odor
LS and scattered chert as above, with influx gray to dark gray and red with scattered maroon and green shale, trace pale green LS, red wash, no show or odor
Conglomerate as above, increase in shales as well as some orange chert, very scattered f-med grained reddish brown to clear SS grains in bottom of tray, sub-rounded to rounded, red wash, no show or odor
3847' 30" Conglomerate as above, with some very scattered SS clusters, black, f-med grained, mostly rounded to sub-rounded and poorly sorted, scattered chert inclusions, some slightly chalky, fairly friable, saturated dark brown to black tarry stain, upon break individual grains show lighter brown staining, clusters are gassy, NSFO, no fluor., or odor
3847' 60" Mostly same as above, fair amount of scattered loose grains in bottom of tray, appear to be very similar to individual grains in clusters described above, NSFO, fluor., or odor
~3850' Conglomerate as above, with increase in green, gray, red, and pale yellow shales, abundant vf-f rounded clear quartz SS grains in bottom of tray, found one piece of green shale with SS grains embedded within, friable, upon break grains show some scattered staining, no odor
3870' 30" shale as above, trace shaley SS clusters, green to black, upon break clusters show scattered staining on rounded quartz grains and fair show gas bubbles, abundant scattered loose vf-f clear rounded grains in bottom of tray, SSFO in tray (2-3droplets), no odor
3870' 60" Mostly shale with some scattered sand grains in bottom tray, no show or odor
3880' 60" gray,red, and scattered green shale with occasional SS cluster, clear, med-grained, sub-rounded to rounded, fairly well cemented, upon break NSFO, no odor
gray, green, and some scattered red and pale yellow shale, with very scattered SS clusters as above, some dense and shaley, no show or odor
Arbuckle 3895 (-1896)
As above, with influx dolomite, mostly light brown to brown, micro-med xln, sucrosic to rhombic with fair porosity and mostly saturated to saturated stain, some scattered with good visible porosity, upon break most chips have good show free oil, gassy, good odor
3904' 30" & 60" As above, with slight influx cream to brown dolomite, micro-xln, some sucrosic, some sub-rhombic, dense with mostly poor visible porosity, most with scattered to mostly saturated stain, some bleeding oil but too dense to break, less gassy, good odor
3916' 30" Dolomite, mostly cream with some scattered white, micro-xln, sucrosic and dense with poor visible porosity, barren, few very scattered chips with very scattered stain, too dense to break but fair show free oil when agitated, fair odor
3916' 60" Dolomite as above, no shows, poor fleeting odor in wet cup
~3920' Dolomite as above, barren, few very scattered chips with scattered to very scattered gilsonitic stain, poor odor
Dolomite, cream to white, micro-xln, mostly dense with poor visible porosity, barren, few very scattered chips with very scattered gilsonitic stain, some chalky, poor odor
Dolomite as above, slight influx sucrosic to rhombic, dense with poor visible porosity, with some scattered white chert, slightly chalky, no show, poor odor
3975' 30 & 60" Dolomite, cream to white, micro-xln, moslty dense with poor visible porosity, some chalky, mostly barren, few very scattered chips with very
Extractor Test
Mud-Co Mud chk
3811'
2/5/21
Vis: 51 Wt: 9.4
PV:10 YP: 28
WL: 8.4
Cake:1/32
pH: 10.5
Ca: 120ppm
CHL: 9,800ppm
Sol:7.3 LCM: 1
DMC: $-223.45
CMC: $8,125.15
0
Total Gas (units)
200
C1 (units)
200
0
C2 (units)
200
Mud-Co Mud chk
3870'
2/6/21
Vis: 57 Wt: 9.3
PV:16 YP: 25
WL: 8.8
Cake:1/32
pH: 10.5
Ca: 20ppm
CHL: 9,900ppm
Sol: 6.6 LCM: 1
DMC: $570.31
CMC: $8,695.46
Strap = .02STB
Trip Gas from DST #2
Arbuckle Gas Kick
Trip Gas from DST #3
Mud-Co Mud chk
3904'
2/7/21
Vis: 58 Wt: 9.4
PV:12 YP: 26
WL: 8.8
Cake:1/32
pH: 10
Ca: 40ppm
CHL: 9,900ppm
Sol: 7.3 LCM: 1
DMC: $16.69
CMC: $8,712.15



Rotary TD 3975' @ 1800hrs 2/7/21
Eli Wireline Services Logging TD @ 3976'
Complete Logging Operations @ 0300hrs 2/8/21
Geologist Jeremy Schwartz off location @ 0400hrs 2/8/21

Shelby WFYOG 3-3 dst #1.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47689 **DST#: 1**

Test Start: 2021.02.05 @ 15:25:00

GENERAL INFORMATION:

Formation: **Conglomerant**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:54:15
Time Test Ended: 21:52:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3771.00 ft (KB) To 3847.00 ft (KB) (TVD)
Total Depth: 3847.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

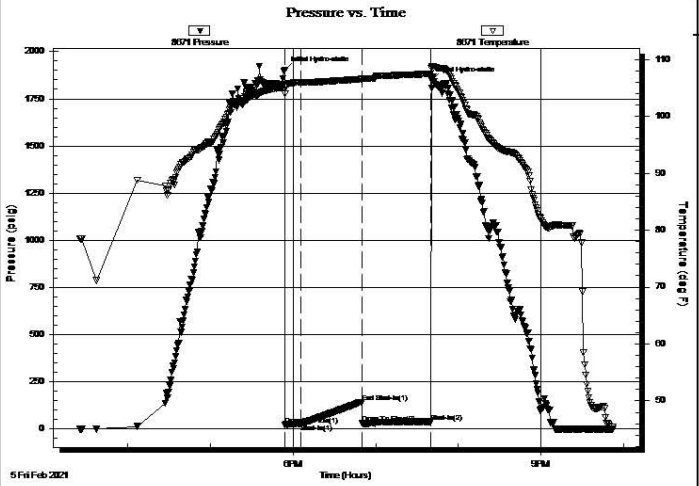
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 27.41 psig @ 3772.00 ft (KB)
Start Date: 2021.02.05 End Date: 2021.02.05
Start Time: 15:25:05 End Time: 21:51:59

Capacity: 8000.00 psig
Last Calib.: 2021.02.05
Time On Btm: 2021.02.05 @ 17:54:00
Time Off Btm: 2021.02.05 @ 19:40:15

TEST COMMENT: 10 - IF - Surface blow slowly built up to 1/2"
45 - ISI - No Return
55 - FF - Blow started at a weak surface blow, Flushed tool 10 mins. into and blow stayed at a weak blow, then pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1902.88	105.22	Initial Hydro-static
1	23.62	104.00	Open To Flow (1)
12	27.41	105.96	Shut-In(1)
56	141.43	106.55	End Shut-In(1)
56	30.77	106.49	Open To Flow (2)
106	39.37	107.50	Shut-In(2)
107	1849.49	108.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM - Oil Spots - 100%m	0.05

Gas Rates

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

Shelby WFYOG 3-3 dst #2.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47690 **DST#: 2**

Test Start: 2021.02.06 @ 05:28:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:03:15
Time Test Ended: 14:06:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3805.00 ft (KB) To 3870.00 ft (KB) (TVD)
Total Depth: 3870.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

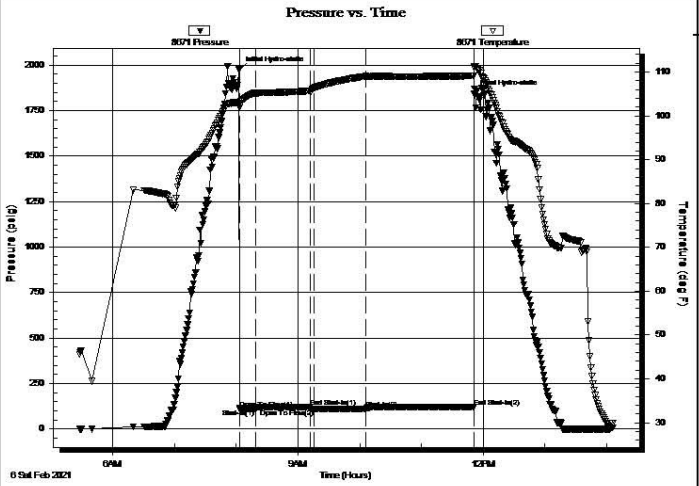
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 110.70 psig @ 3806.00 ft (KB)
Start Date: 2021.02.06 End Date: 2021.02.06
Start Time: 05:28:05 End Time: 14:06:15

Capacity: 8000.00 psig
Last Calib.: 2021.02.06
Time On Btm: 2021.02.06 @ 08:03:00
Time Off Btm: 2021.02.06 @ 11:51:15

TEST COMMENT: 15 - IF - Blow built to B.o.B. in 1 min. had gas to surface at the end of the open
45 - ISI - No Return
60 - FF - Blow built to B.o.B. in 1 min. had gas to surface through out.
90 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1973.92	103.01	Initial Hydro-static
1	110.23	101.84	Open To Flow (1)
16	110.71	105.27	Shut-In(1)
69	121.87	105.70	End Shut-In(1)
73	109.96	106.33	Open To Flow (2)
123	110.70	109.03	Shut-In(2)
228	120.87	109.11	End Shut-In(2)
229	1841.79	111.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
214.00	Mud - 100%m	1.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	17.00	115.03
Last Gas Rate	0.38	12.00	96.71
Max. Gas Rate	0.38	17.00	115.03

Shelby WFYOG 3-3 dst 3.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources, LLC

3700 Quebec St. Unit 100
PMB 376
Denver, Co. 80207
ATTN: Jeremy Schwartz

3 - 22S - 16W

WFYOG #3-3

Job Ticket: 47691 **DST#: 3**

Test Start: 2021.02.07 @ 00:30:05

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:48:00
Time Test Ended: 10:39:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: #77

Interval: 3892.00 ft (KB) To 3904.00 ft (KB) (TVD)
Total Depth: 3904.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

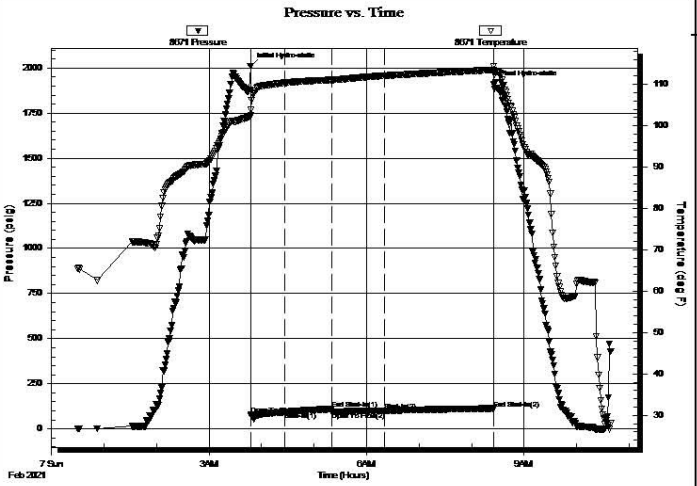
Reference Elevations: 1999.00 ft (KB)
1988.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 101.26 psig @ 3893.00 ft (KB)
Start Date: 2021.02.07 End Date: 2021.02.07
Start Time: 00:30:05 End Time: 10:39:00

Capacity: 8000.00 psig
Last Calib.: 2021.02.07
Time On Btm: 2021.02.07 @ 03:47:30
Time Off Btm: 2021.02.07 @ 08:24:59

TEST COMMENT: 30-IF-BOB 1 min Built to 50"
60-ISI-Weak Surface
60-FF-Surface to 3 3/4"
120-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2009.89	102.42	Initial Hydro-static
1	79.82	103.80	Open To Flow (1)
39	93.66	110.35	Shut-In(1)
93	110.25	111.08	End Shut-In(1)
93	96.07	111.08	Open To Flow (2)
153	101.26	112.08	Shut-In(2)
278	113.46	113.52	End Shut-In(2)
278	1908.47	114.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MO 50%M 50%O	0.30
160.00	GO 25%G 75%O	0.79
0.00	360 GIP	0.00

* Recovery from multiple tests

Gas Rates

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

ne 785-483-1071
ell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2167

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-30-21	3	22	16	Pawnee	KS		8:45pm

Location Larned 1/2E 1 1/2S

Lease WFY06 Well No. 3-3

Owner
To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Contractor Murfin #20

Type Job Surface

Charge To Shelby Resources

Hole Size 12 1/4 T.D. 1005

Csg. 8 5/8 Depth 996

Street

Tbg. Size Depth

City State

Tool Depth

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

Cement Left in Csg. 42.73 Shoe Joint 42.73

Cement Amount Ordered 450 60/40 4%cc 2%Gel 1/2#Flo

Meas Line Displace 60 1/2 BBL

EQUIPMENT

Pumptrk 20 No. Cementer Craig
Helper

Bulktrk No. Driver Tim
Driver

Bulktrk 21 No. Driver
Driver Tony

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom Est Circulation
Mix 450sk & Displace

Cement Circulated

Common	270
Poz. Mix	180
Gel.	9
Calcium	20
Hulls	225#
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	479
Mileage	

FLOAT EQUIPMENT 8 5/8

Guide Shoe Rubber Plug
Centralizer Baffle Plate
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge Long Surface
Mileage 25

Tax
Discount
Total Charge

X
Signature

Thanks