KOLAR Document ID: 1644830

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: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 34484
Name: Fossil Drilling, 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 #:

3/26/2022 Spud Date or Recompletion Date
4/6/2022 Date Reached TD
5/17/2022 Completion Date or Recompletion Date

API No.: 15-151-22543-00-00
Spot Description:
S2 - SE - SE - SW Sec. 27 Twp. 28 S. R. 14 ☐ East ☑ West
180 Feet from ☐ North / ☑ South Line of Section
2310 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: Pratt
Lease Name: I-T UNIT Well #: #1
Field Name:
Producing Formation: L-KC
Elevation: Ground: 1980 Kelly Bushing: 1992
Total Vertical Depth: 4750 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 824 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: 34500 ppm Fluid volume: 1500 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Shelby Resources, LLC
Lease Name: Brubaker #1-17 License #: 31725
Quarter NE Sec. 17 Twp. 29 S. R. 12 ☐ East ☑ West
County: Pratt Permit #: D-32665

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: 05/23/2022
☐ **Confidential Release Date:** 05/22/2024
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** David Befort **Date:** 05/24/2022

Page Two

Operator Name: Shelby Resources LLC Lease Name: I-T UNIT Well #: #1

Sec. 27 Twp. 28 S. R. 14 ☐ East ☑ West County: Pratt

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	824	SKS H-Con	550	3% cc
Production	7.78	5.5	14	4553	AA-2	250	2% gel/3% 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: 5/17/2022

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	50		0		

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)*

PRODUCTION INTERVAL:

Top	Bottom
4188	4274

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)*
2	4188	4193			500 g. 15%
2	4266	4274			500 g. 15%

TUBING RECORD: Size: 2.375 Set At: 4295 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	I-T UNIT #1
Doc ID	1644830

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Radial Bond

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	I-T UNIT #1
Doc ID	1644830

Tops

Name	Top	Datum
Topeka	3420	-1428
Lansing	3967	-1975
Stark	4214	-2222
BKC	4338	-2346
Marmaton	4349	-2357
Viola	4469	-2477
Simpson Shale	4571	-2579
Simpson Sand	4593	-2601
Arbuckle	4647	-2655
LTD	4749	-2757

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	I-T UNIT #1
Doc ID	1644830

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	824	SKS H-Con	550	3% cc
Production	7.78	5.5	14	4553	AA-2	250	2% gel/3% cc

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67885 **DST#: 1**

Test Start: 2022.03.30 @ 22:38:00

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 01:05:32
Time Test Ended: 11:49:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 3518.00 ft (KB) To 3608.00 ft (KB) (TVD)
Total Depth: 3608.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

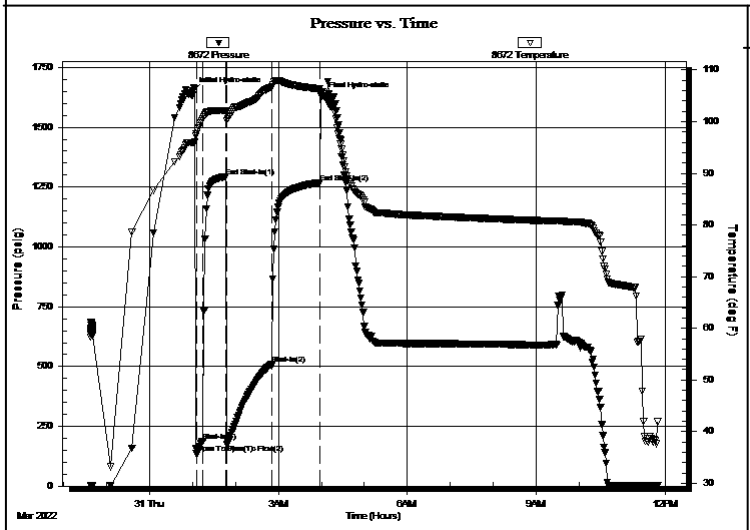
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 509.62 psig @ 3520.00 ft (KB)
Start Date: 2022.03.30 End Date: 2022.03.31
Start Time: 22:38:01 End Time: 11:49:47

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.03.31 @ 01:00:02
Time Off Btm: 2022.03.31 @ 04:00:02

TEST COMMENT: IF: 10 min., BOB 30 sec., strong building blow , 42#
ISI: 30 min., Blow back instantly, 3 inches
FF: 60 min., BOB ASAO, GTS 20 min., strong building blow
FSI: 60 min., Blow back instantly, 85 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1650.61	95.89	Initial Hydro-static
6	135.81	97.61	Open To Flow (1)
15	188.28	100.53	Shut-In(1)
47	1292.65	102.10	End Shut-In(1)
48	175.31	100.17	Open To Flow (2)
111	509.62	106.69	Shut-In(2)
178	1269.10	106.33	End Shut-In(2)
180	1629.33	105.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1386.00	gassy condensate 20%G, 80%CON	18.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	63.30	123.26
Last Gas Rate	0.25	72.00	137.06
Max. Gas Rate	0.25	75.20	142.14

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67885 **DST#: 1**

Test Start: 2022.03.30 @ 22:38:00

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 01:05:32
Time Test Ended: 11:49:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 3518.00 ft (KB) To 3608.00 ft (KB) (TVD)
Total Depth: 3608.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

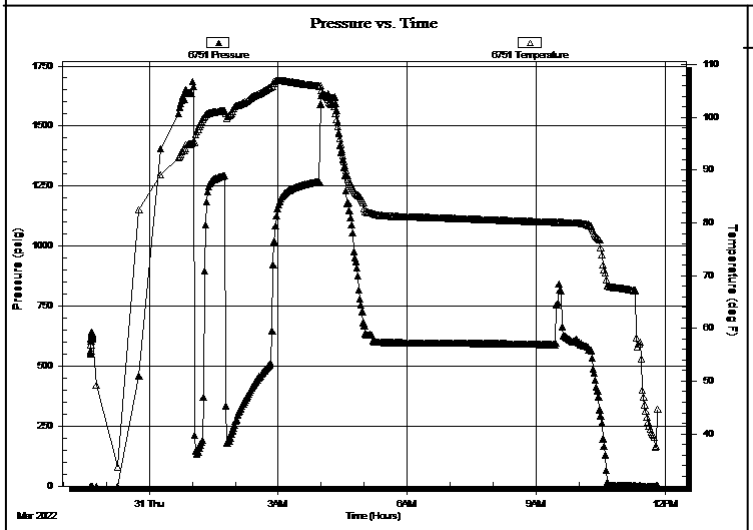
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751

Press@RunDepth: psig @ ft (KB)
Start Date: 2022.03.30 End Date: 2022.03.31
Start Time: 22:38:01 End Time: 11:49:47

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 10 min., BOB 30 sec., strong building blow , 42#
ISI: 30 min., Blow back instantly, 3 inches
FF: 60 min., BOB ASAO, GTS 20 min., strong building blow
FSI: 60 min., Blow back instantly, 85 inches



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1386.00	gassy condensate 20%G, 80%CON	18.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	63.30	123.26
Last Gas Rate	0.25	72.00	137.06
Max. Gas Rate	0.25	75.20	142.14

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67885 **DST#: 1**

Test Start: 2022.03.30 @ 22:38:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	53 deg API
Mud Weight:	8.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	90.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1386.00	gassy condensate 20%G, 80%CON	18.358

Total Length: 1386.00 ft Total Volume: 18.358 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #:

Laboratory Name: Laboratory Location: Liberal, KS

Recovery Comments: API=51@40F=53

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources LLC

27/28/14

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

I-T Unit 1

Job Ticket: 67885 **DST#: 1**

ATTN: Jeremy Schwartz

Test Start: 2022.03.30 @ 22:38:00

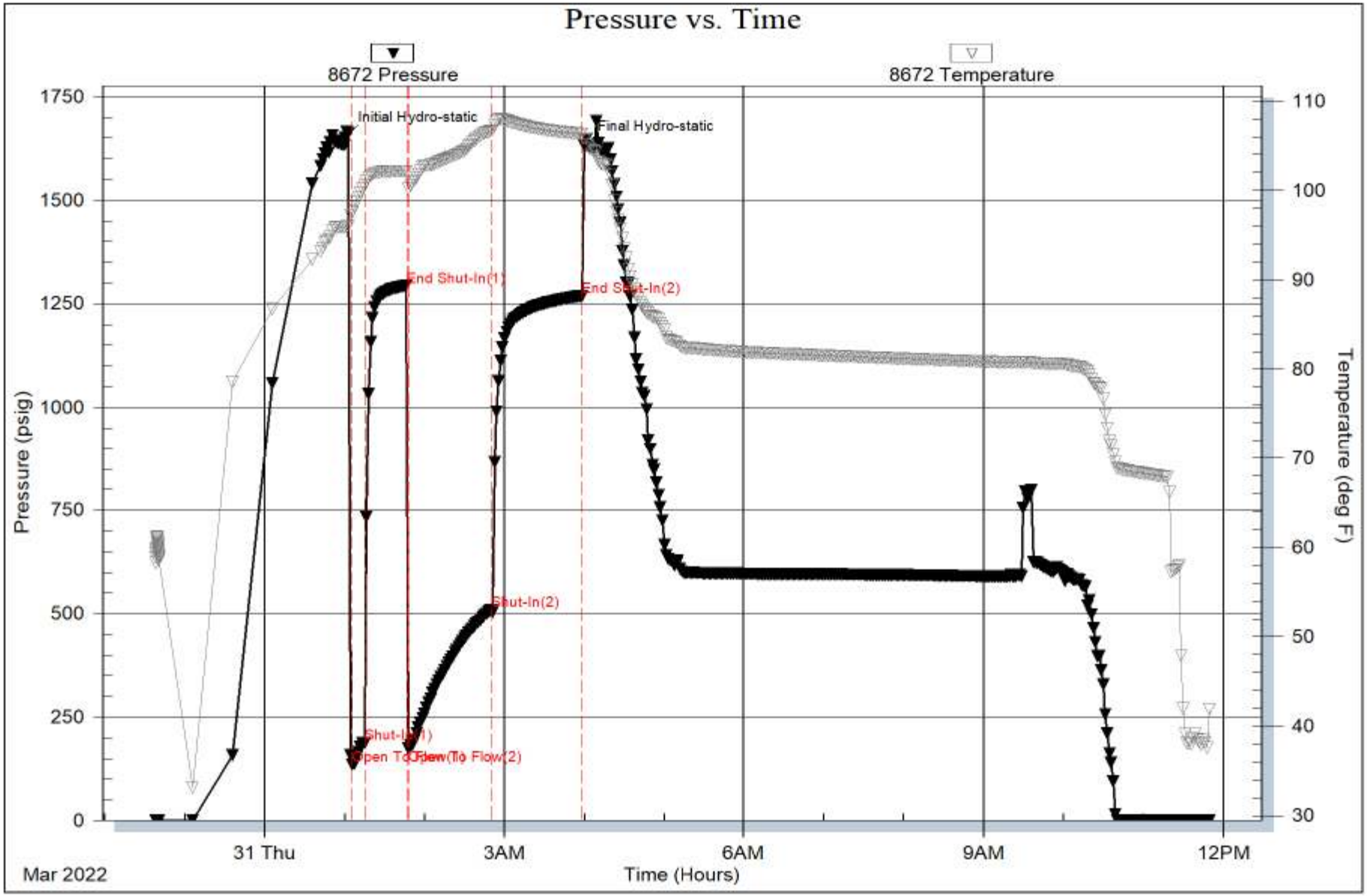
Gas Rates Information

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

Gas Rates Table

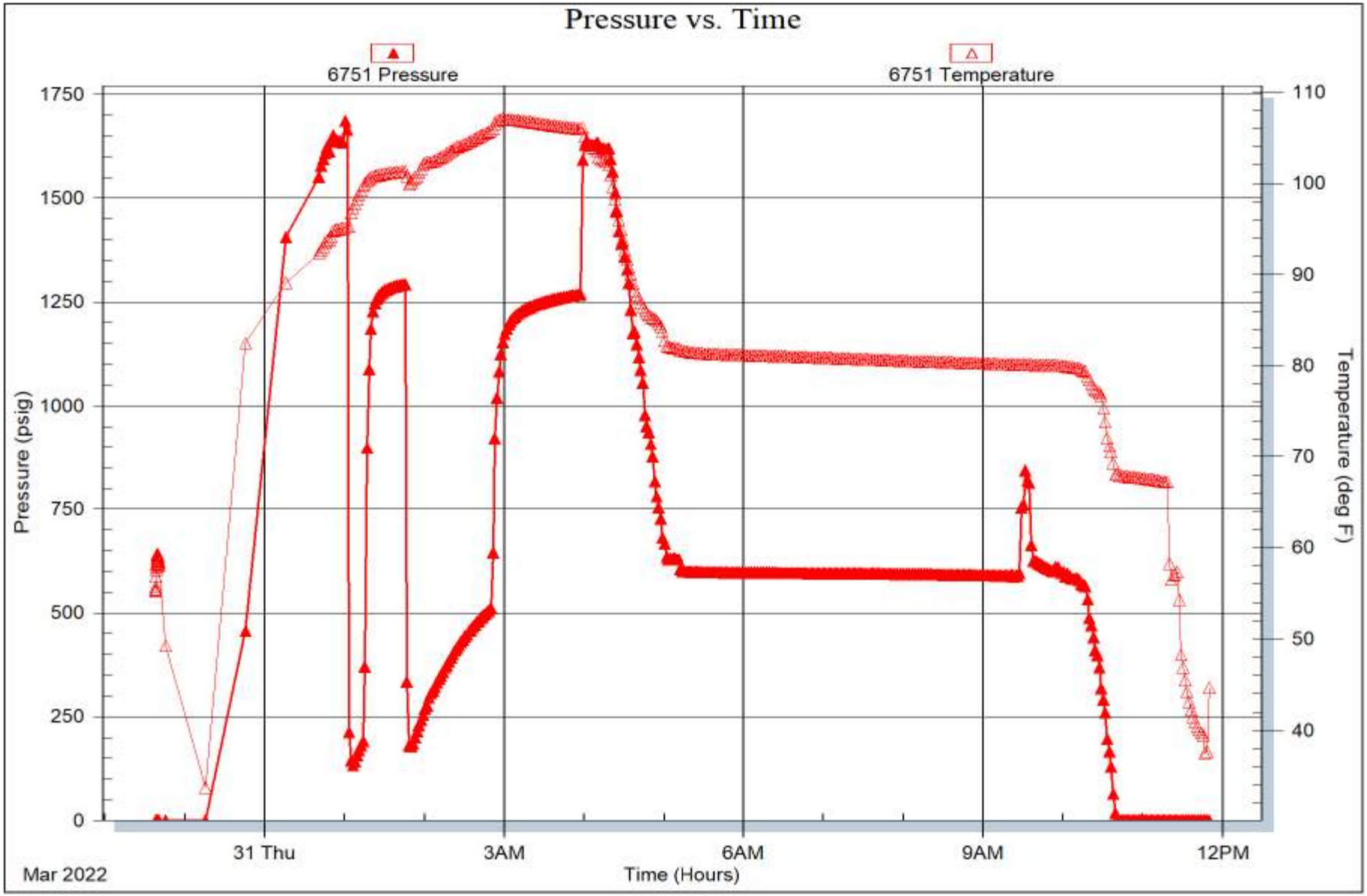
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	20	0.25	63.30	123.26
2	20	0.25	63.30	123.26
2	30	0.25	69.70	133.42
2	40	0.25	74.60	141.19
2	50	0.25	75.20	142.14
2	60	0.25	72.00	137.06

Serial #: 8672 **Inside** Shelby Resources LLC I-T Unit 1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67885 Printed: 2022.03.31 @ 13:36:58

Serial #: 6751 | Shelby Resources LLC | I-T Unit 1 | DST Test Number: 1



Trilobite Testing, Inc | Ref. No: 67885 | Printed: 2022.03.31 @ 13:36:58

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67886 **DST#: 2**

Test Start: 2022.04.01 @ 16:13:00

GENERAL INFORMATION:

Formation: **Lansing H-I**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 19:13:02
Time Test Ended: 02:06:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4121.00 ft (KB) To 4211.00 ft (KB) (TVD)
Total Depth: 4211.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

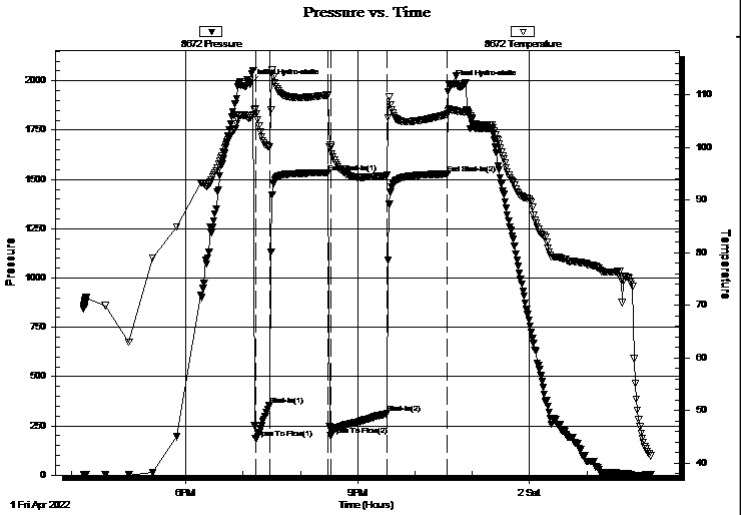
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 314.74 psig @ 4123.00 ft (KB)
Start Date: 2022.04.01 End Date: 2022.04.02
Start Time: 16:13:01 End Time: 02:06:47

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.04.01 @ 19:08:02
Time Off Btm: 2022.04.01 @ 22:35:32

TEST COMMENT: IF: 15 min., BOB 30 sec., strong building blow , GTS 13 min., 237#
IFI: 60 min., Blow back 1 min., .76 inches
FF: 60 min., BOB ASAO, strong building blow
FSI: 60 min., Blow back instantly, BOB 1 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.32	105.70	Initial Hydro-static
5	185.51	107.41	Open To Flow (1)
20	354.39	100.19	Shut-In(1)
82	1533.09	109.95	End Shut-In(1)
84	200.02	100.41	Open To Flow (2)
143	314.74	94.70	Shut-In(2)
206	1527.56	106.33	End Shut-In(2)
208	1982.75	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
567.00	gassy oil 30%G, 70%O	6.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	80.20	638.14
Last Gas Rate			
Max. Gas Rate	0.50	80.60	640.84

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67886 **DST#: 2**

Test Start: 2022.04.01 @ 16:13:00

GENERAL INFORMATION:

Formation: **Lansing H-I**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 19:13:02
Time Test Ended: 02:06:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4121.00 ft (KB) To 4211.00 ft (KB) (TVD)
Total Depth: 4211.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

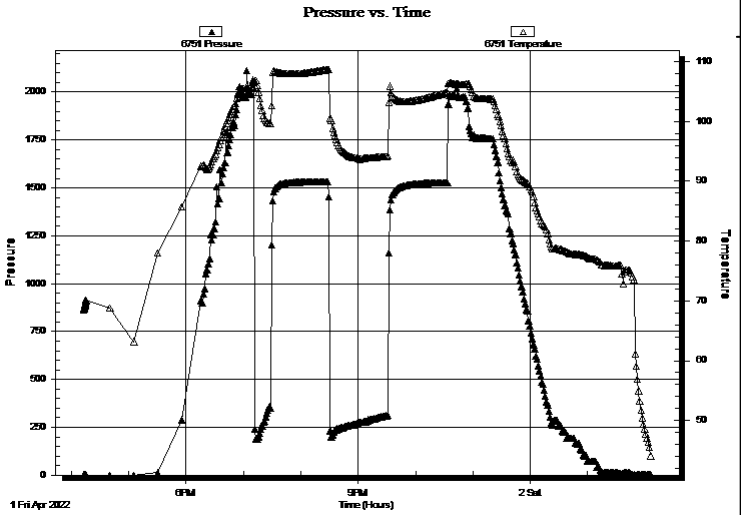
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751

Press@RunDepth: psig @ ft (KB)
Start Date: 2022.04.01 End Date: 2022.04.02
Start Time: 16:13:01 End Time: 02:06:47

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 15 min., BOB 30 sec., strong building blow , GTS 13 min., 237#
IFI: 60 min., Blow back 1 min., .76 inches
FF: 60 min., BOB ASAO, strong building blow
FSI: 60 min., Blow back instantly, BOB 1 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
567.00	gassy oil 30%G, 70%O	6.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	80.20	638.14
Last Gas Rate			
Max. Gas Rate	0.50	80.60	640.84

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67886 **DST#: 2**

Test Start: 2022.04.01 @ 16:13:00

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:	33 ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
567.00	gassy oil 30%G, 70%O	6.869

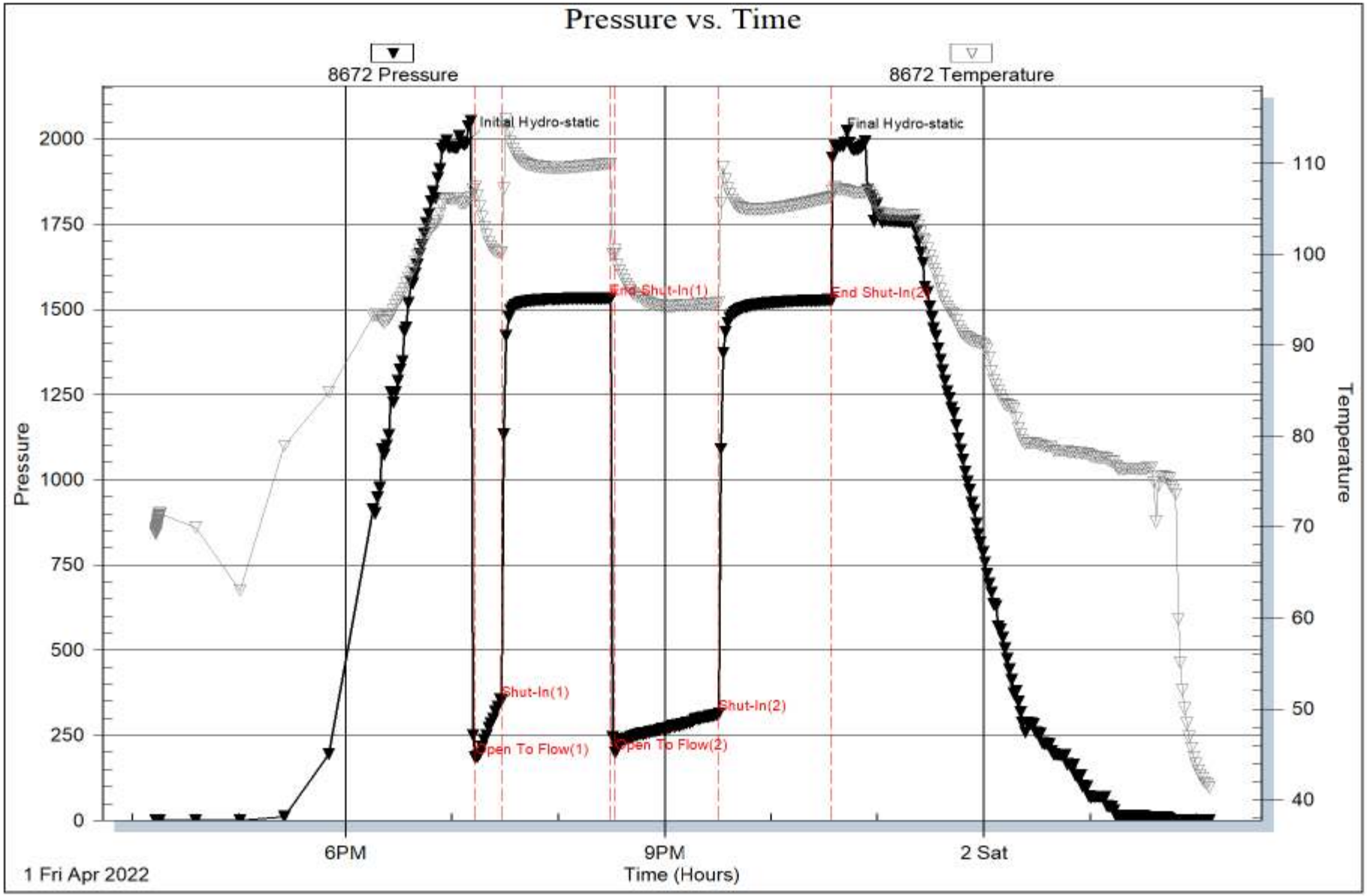
Total Length: 567.00 ft Total Volume: 6.869 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #:

Laboratory Name: Laboratory Location: Liberal, KS

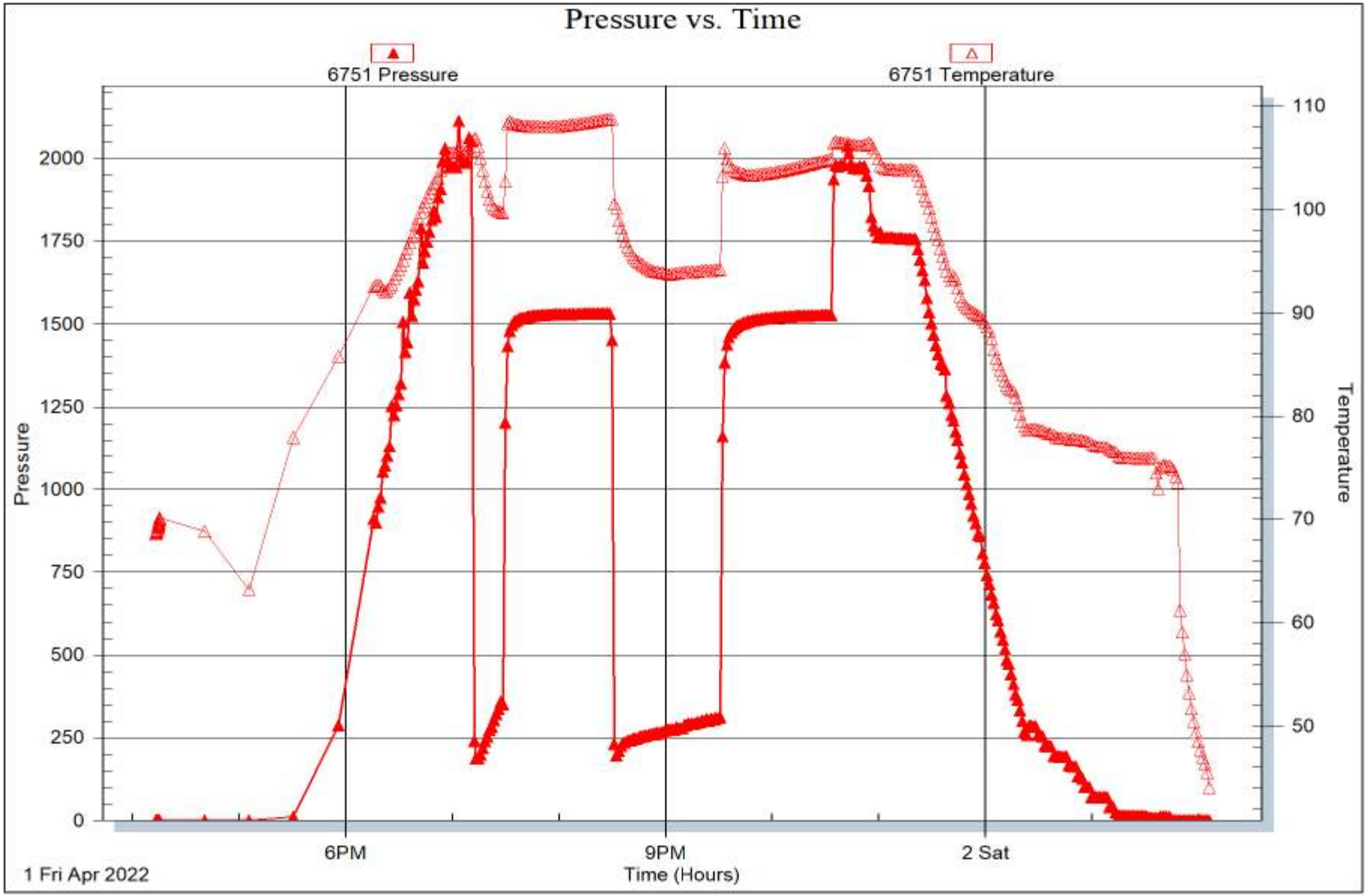
Recovery Comments: API=33@55F=33

Serial #: 8672 **Inside** Shelby Resources LLC I-T Unit 1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67886 Printed: 2022.04.02 @ 07:12:15

Serial #: 6751 | Shelby Resources LLC | I-T Unit 1 | DST Test Number: 2



Trilobite Testing, Inc | Ref. No: 67886 | Printed: 2022.04.02 @ 07:12:15

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67887 **DST#: 3**

Test Start: 2022.04.02 @ 16:00:00

GENERAL INFORMATION:

Formation: **Lansing J-M**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 18:40:17
Time Test Ended: 01:32:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4220.00 ft (KB) To 4350.00 ft (KB) (TVD)
Total Depth: 4350.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

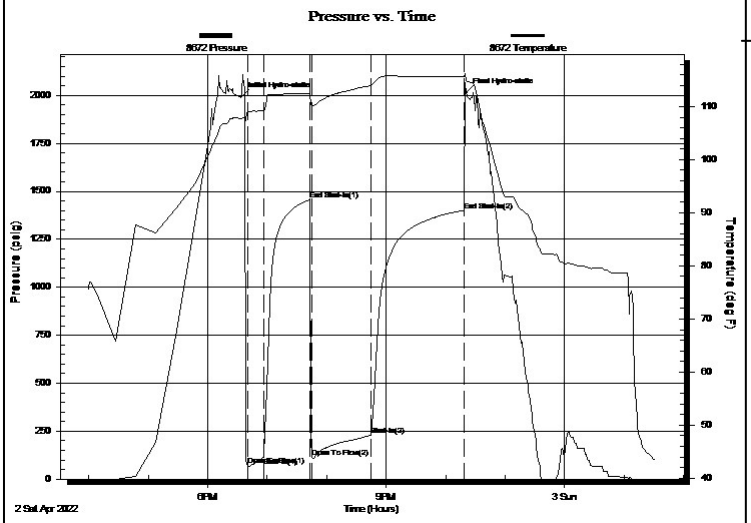
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 229.05 psig @ 4222.00 ft (KB)
Start Date: 2022.04.02 End Date: 2022.04.03
Start Time: 16:00:00 End Time: 01:32:02

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.04.02 @ 18:34:17
Time Off Btm: 2022.04.02 @ 22:20:47

TEST COMMENT: IF: 15 min., BOB 30 sec., strong building blow , 600 inches
ISI: 45 min., no blow back
FF: 60 min., BOB GTS ASAO, strong building blow
FSI: 90 min., blow back 30 sec., 10 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.49	107.81	Initial Hydro-static
6	71.26	108.95	Open To Flow (1)
22	114.81	109.26	Shut-In(1)
69	1457.11	112.39	End Shut-In(1)
71	115.79	110.05	Open To Flow (2)
131	229.05	113.96	Shut-In(2)
225	1401.06	115.61	End Shut-In(2)
227	2014.58	115.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
441.00	gassy oil 40%G, 60%O	5.10
63.00	gassy oily mud 5%G,5%O,90%M	0.88

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	15.00	11.00
Last Gas Rate			
Max. Gas Rate	0.13	26.50	15.31

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources LLC

27/28/14

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

I-T Unit 1

Job Ticket: 67887 **DST#: 3**

ATTN: Jeremy Schwartz

Test Start: 2022.04.02 @ 16:00:00

Tool Information

Drill Pipe:	Length:	4087.00 ft	Diameter:	3.80 inches	Volume:	57.33 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	119.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		85000.00 lb
					Total Volume:	57.92 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		16.00 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		4220.00 ft						Final	71000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		130.00 ft							
Tool Length:		160.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4195.00		
Hydraulic tool	5.00			4200.00		
Isolator Sub	3.00			4203.00		
Jars	5.00			4208.00		
Safety Joint	3.00			4211.00		
Packer	5.00			4216.00	30.00	Bottom Of Top Packer
Packer	4.00			4220.00		
Stubb	1.00			4221.00		
Perforations	1.00			4222.00		
Recorder	0.00	8672	Inside	4222.00		
Recorder	0.00	6751	Outside	4222.00		
Pickup sub perf	5.00			4227.00		
Perforations	23.00			4250.00		
Change Over Sub	1.00			4251.00		
Drill Pipe	95.00			4346.00		
Change Over Sub	1.00			4347.00		
Bullnose	3.00			4350.00	130.00	Bottom Packers & Anchor
Total Tool Length:	**160.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67887 **DST#: 3**

Test Start: 2022.04.02 @ 16:00:00

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:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
441.00	gassy oil 40%G, 60%O	5.102
63.00	gassy oily mud 5%G,5%O,90%M	0.884

Total Length: 504.00 ft Total Volume: 5.986 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #:
Laboratory Name: Laboratory Location: Liberal, KS
Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources LLC

27/28/14

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

I-T Unit 1

Job Ticket: 67887 **DST#: 3**

ATTN: Jeremy Schwartz

Test Start: 2022.04.02 @ 16:00:00

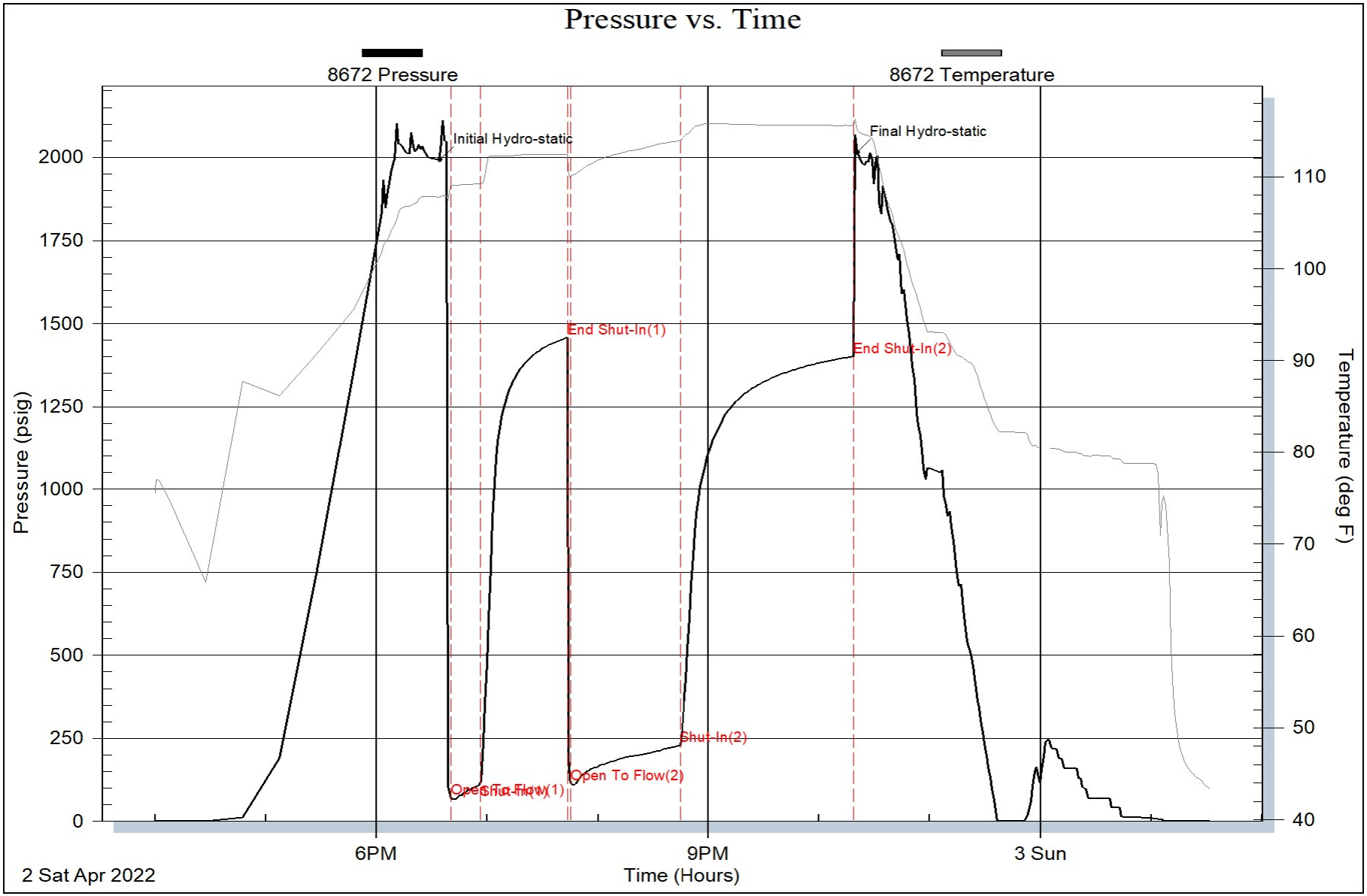
Gas Rates Information

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	0.13	15.00	11.00
2	20	0.13	18.60	12.35
2	30	0.13	20.90	13.21
2	40	0.13	22.60	13.85
2	50	0.13	24.70	14.63
2	60	0.13	26.50	15.31
2	60	-999999.00	-999999.00	-999999.00

Serial #: 8672 **Inside** Shelby Resources LLC I-T Unit 1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 67887 Printed: 2022.04.03 @ 02:17:48

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67888 **DST#: 4**

Test Start: 2022.04.04 @ 00:05:00

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 02:34:17
Time Test Ended: 08:47:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4441.00 ft (KB) To 4505.00 ft (KB) (TVD)
Total Depth: 4505.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

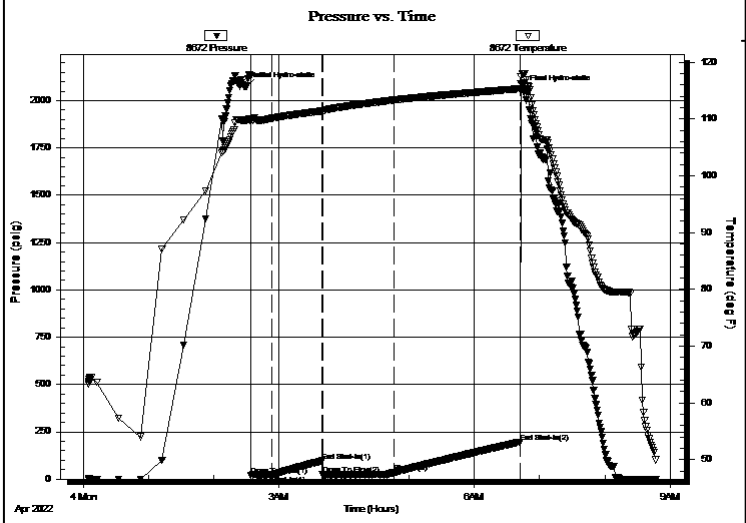
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 34.73 psig @ 4443.00 ft (KB)
Start Date: 2022.04.04 End Date: 2022.04.04
Start Time: 00:05:01 End Time: 08:47:02

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.04.04 @ 02:30:32
Time Off Btm: 2022.04.04 @ 06:44:47

TEST COMMENT: IF: 15 min., weak building blow, 1.75 inches
ISI: 45 min., no blow back
FF: 60 min. weak building blow, 2.84 inches
FSI: 120 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.84	109.78	Initial Hydro-static
4	21.57	109.50	Open To Flow (1)
24	21.61	110.11	Shut-In(1)
70	96.25	111.40	End Shut-In(1)
70	23.11	111.41	Open To Flow (2)
136	34.73	113.33	Shut-In(2)
252	196.17	115.36	End Shut-In(2)
255	2055.60	118.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67888 **DST#: 4**

Test Start: 2022.04.04 @ 00:05:00

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 02:34:17
Time Test Ended: 08:47:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4441.00 ft (KB) To 4505.00 ft (KB) (TVD)
Total Depth: 4505.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

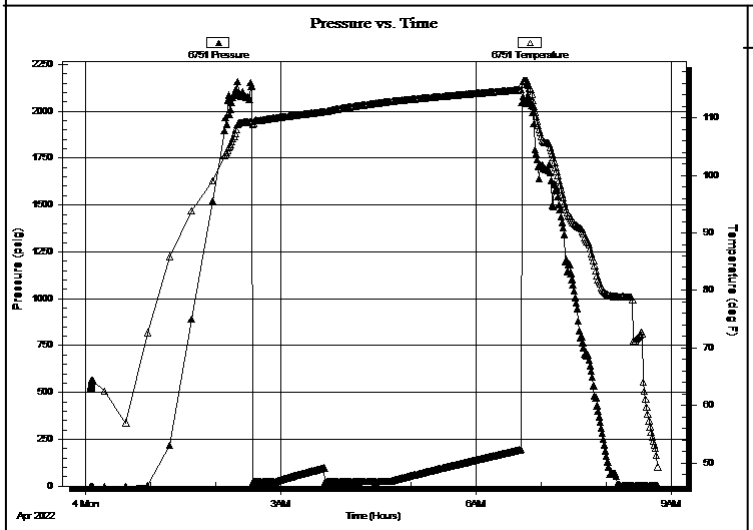
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751

Press@RunDepth: psig @ ft (KB)
Start Date: 2022.04.04 End Date: 2022.04.04
Start Time: 00:05:01 End Time: 08:47:02

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 15 min., weak building blow, 1.75 inches
ISI: 45 min., no blow back
FF: 60 min. weak building blow, 2.84 inches
FSI: 120 min., no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	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 Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67888 **DST#: 4**

Test Start: 2022.04.04 @ 00:05:00

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:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	inches				

Recovery Information

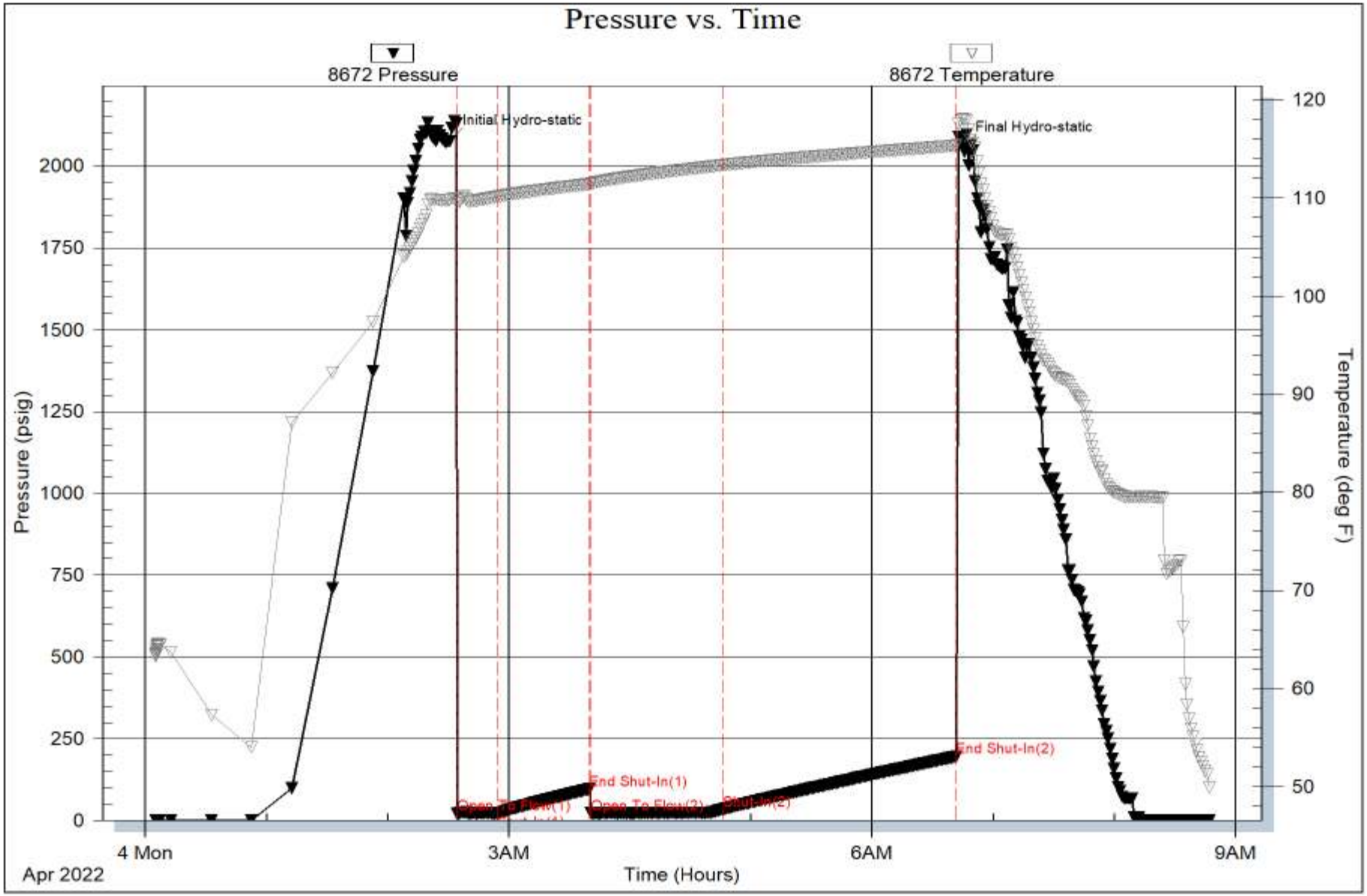
Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

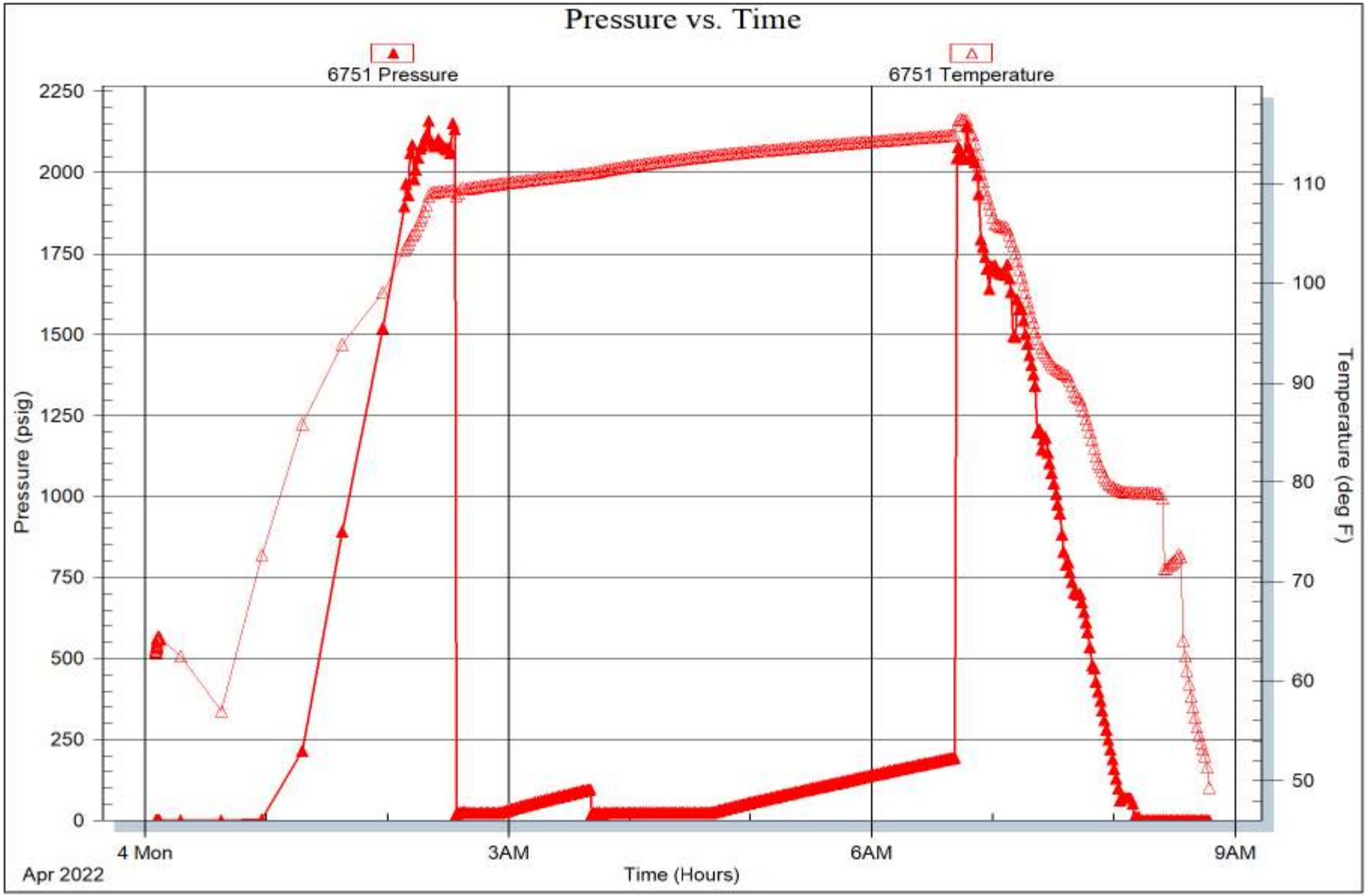
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8672 **Inside** Shelby Resources LLC I-T Unit 1 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 67888 Printed: 2022.04.04 @ 10:22:46

Serial #: 6751 | Shelby Resources LLC | I-T Unit 1 | DST Test Number: 4



Trilobite Testing, Inc | Ref. No: 67888 | Printed: 2022.04.04 @ 10:22:46

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67889 **DST#: 5**

Test Start: 2022.04.05 @ 00:20:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 02:46:17
Time Test Ended: 10:51:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4564.00 ft (KB) To 4610.00 ft (KB) (TVD)
Total Depth: 4610.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

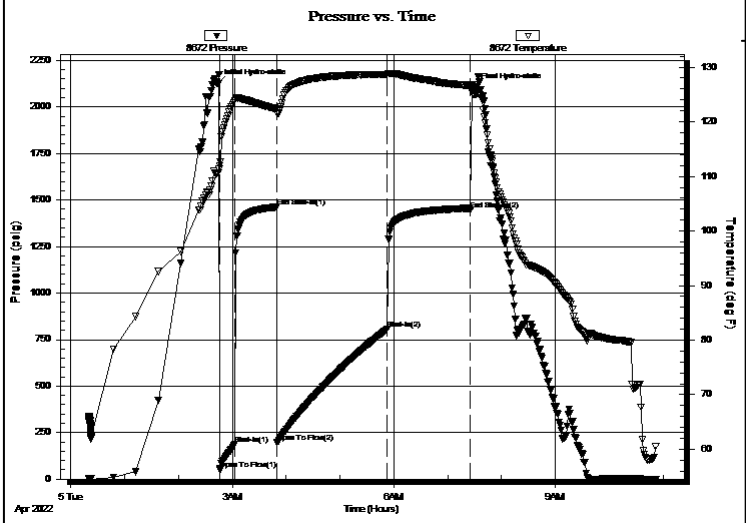
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 804.59 psig @ 4566.00 ft (KB)
Start Date: 2022.04.05 End Date: 2022.04.05
Start Time: 00:20:01 End Time: 10:51:47

Capacity: psig
Last Calib.: 2022.04.05
Time On Btm: 2022.04.05 @ 02:44:02
Time Off Btm: 2022.04.05 @ 07:29:02

TEST COMMENT: IF: 15 min., strong building blow , BOB 7 min., 27 inches
ISI: 45 min., no blow back
FF: 120 min., BOB 9 min., strong building blow , 158 inches
FSI: 90 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.28	110.61	Initial Hydro-static
3	50.73	112.00	Open To Flow (1)
19	186.79	123.91	Shut-In(1)
66	1461.73	122.35	End Shut-In(1)
66	198.51	121.74	Open To Flow (2)
189	804.59	128.70	Shut-In(2)
282	1446.61	126.61	End Shut-In(2)
285	2101.17	125.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1630.00	100%W	21.78

Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67889 **DST#: 5**

Test Start: 2022.04.05 @ 00:20:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 02:46:17
Time Test Ended: 10:51:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4564.00 ft (KB) To 4610.00 ft (KB) (TVD)
Total Depth: 4610.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

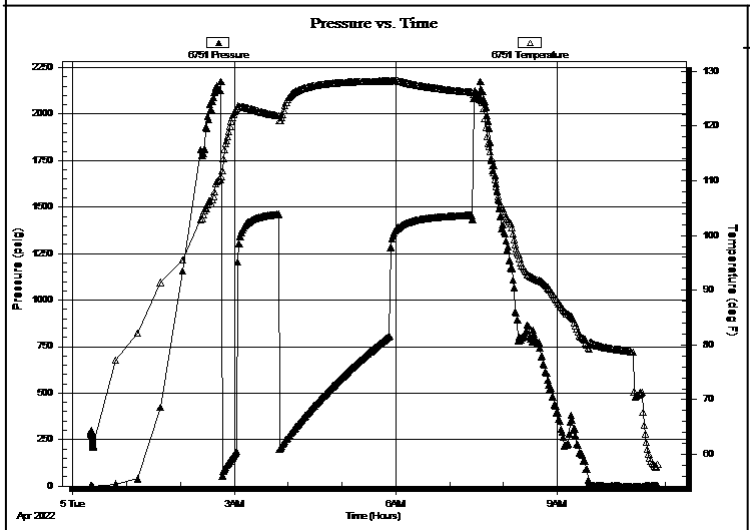
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6751

Press@RunDepth: psig @ ft (KB)
Start Date: 2022.04.05 End Date: 2022.04.05
Start Time: 00:20:01 End Time: 10:51:47

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 15 min., strong building blow , BOB 7 min., 27 inches
ISI: 45 min., no blow back
FF: 120 min., BOB 9 min., strong building blow , 158 inches
FSI: 90 min., no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1630.00	100%W	21.78

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67889 **DST#: 5**

Test Start: 2022.04.05 @ 00:20:00

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:	27500 ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

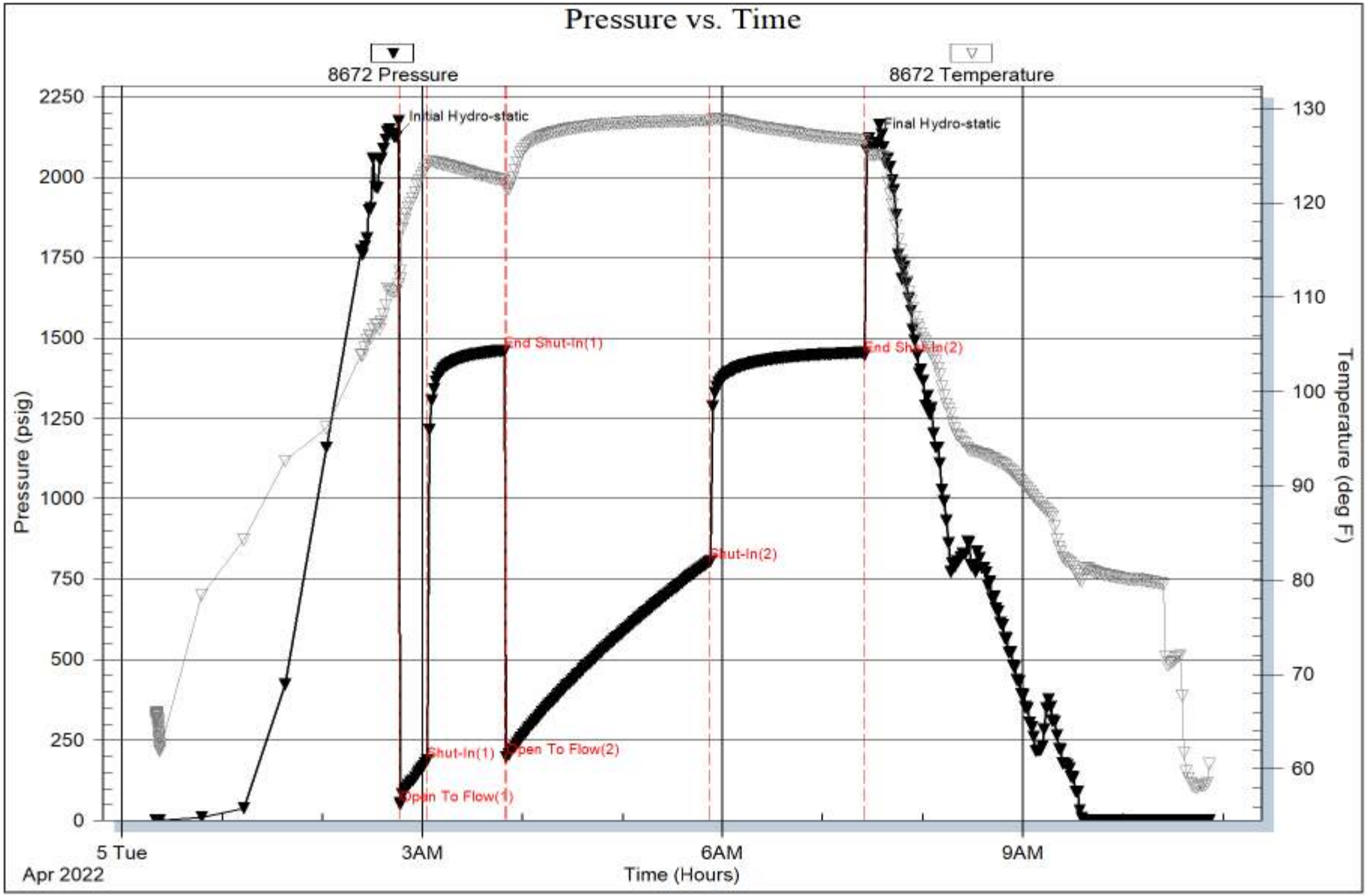
Length ft	Description	Volume bbl
1630.00	100%W	21.781

Total Length: 1630.00 ft Total Volume: 21.781 bbl

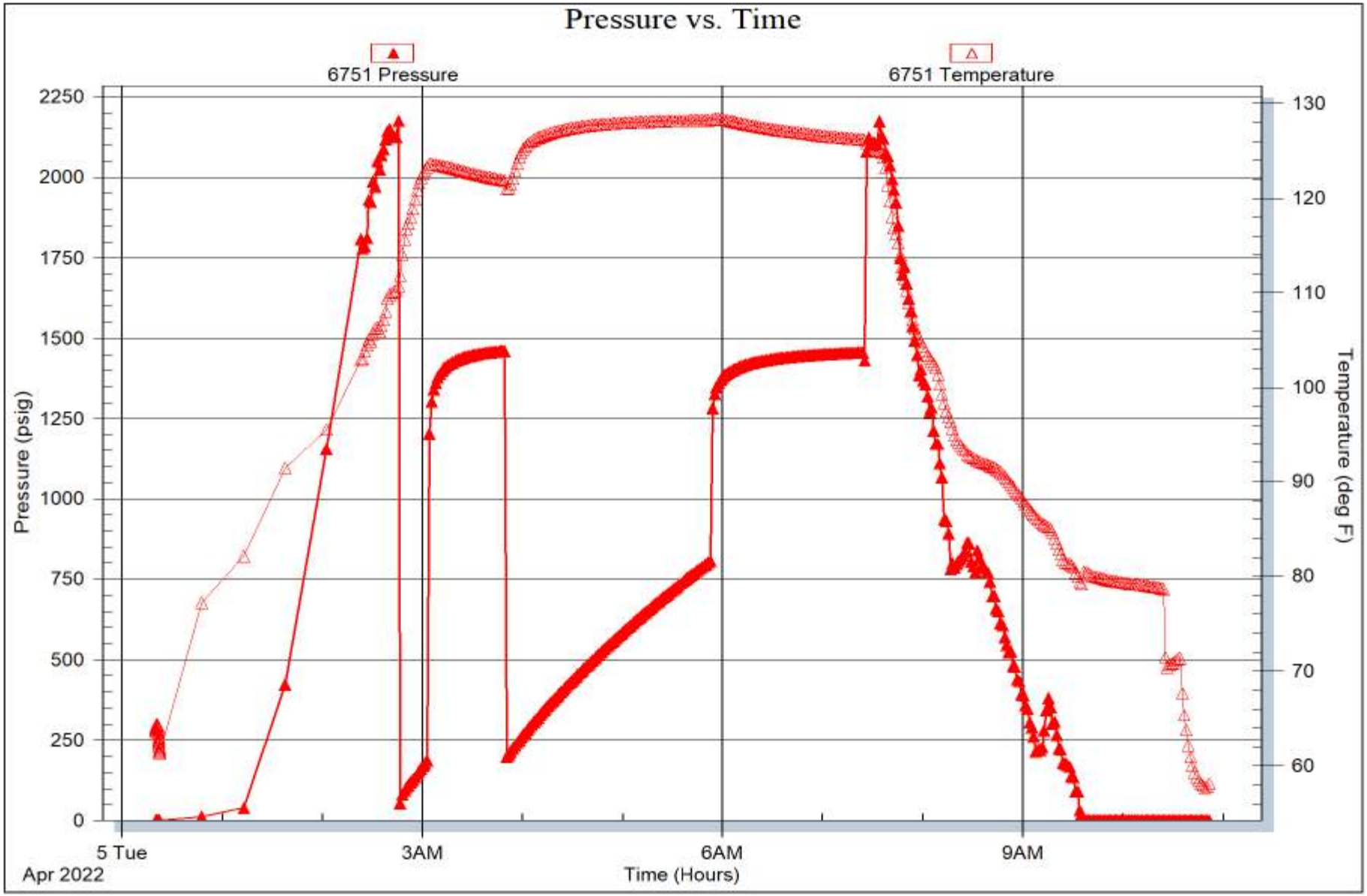
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW=.248@74F=27500ppm


Pressure vs. Time
8672 Pressure
8672 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
Time (Hours)
5 Tue
Apr 2022
3AM
6AM
9AM
2250
2000
1750
1500
1250
1000
750
500
250
0
130
120
110
100
90
80
70
60

Serial #: 6751 | Shelby Resources LLC | I-T Unit 1 | DST Test Number: 5



Trilobite Testing, Inc | Ref. No: 67889 | Printed: 2022.04.05 @ 11:54:02

Scale 1:240 Imperial

Well Name:	I-T Unit #1		
Surface Location:	180 FSL _2310' FWL, Sec. 27-T28s-R14w		
Bottom Location:			
API:	15-151-22543-00-00		
License Number:	31725		
Spud Date:	3/26/2022	Time:	4:00 PM
Region:	Pratt County		
Drilling Completed:	4/5/2022	Time:	11:45 PM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	1980.00ft		
K.B. Elevation:	1992.00ft		
Logged Interval:	3400.00ft	To:	4750.00ft
Total Depth:	4750.00ft		
Formation:	Lansing		
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:	I-T Unit #1		
Location:	180 FSL _2310' FWL, Sec. 27-T28s-R14w		
API:	15-151-22543-00-00		
Pool:		Field:	
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 I-T Unit #1 was drilled to a total depth of 4750', bottoming in the Arbuckle. An iBall Instruments Bloodhound gas detector was employed in the drilling of said well.

Five DST's were conducted during the drilling of this well.

Due to positive drill stem tests, sample shows, and log anlysis it was determined by all parties involved to further test the well through production casing. 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:	Fossil Drilling		
Rig #:	3		
Rig Type:	mud rotary		
Spud Date:	3/26/2022	Time:	4:00 PM
TD Date:	4/5/2022	Time:	11:45 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1992.00ft	Ground Elevation:	1980.00ft
K.B. to Ground:	12.00ft		

CLIENT:	Shelby Resources, LLC
WELL NAME:	I-T Unit #1-1
LEGAL:	S/2=SE-SE-SW Sec. 27 &6, T28s-R14w
COUNTY:	Pratt
API :	15-151-22543-00-00
DRLG CONTRACTOR:	Fossill Drilling
RIG #:	3
DOGHOUSE #:	(620) 388-0592
TOOLPUSHER:	Jim Johnson
CELL #:	(620) 886-0904

	D&A				D&A								D&A							
	Ronald Russ Prater				Lion Oil Co.								Lewis Drilling Co.							
	Davis #1				Omo #1								Eads #1							
	I-T Unit #1-1				C-SE/4 Sec. 28-T28s-R14w								NW-NW-NW Sec. 2-T29s-R14w							
	KB	1992			KB	2006							KB	1993						
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.				COMP. CARD		LOG		SMPL.			
Formation	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.				DEPTH	DATUM	CORR.		CORR.			
Anhydrite	829	1163	825	1167									812	1181	-	18	-	14		
Topeka	3420	-1428	3424	-1432	3450	-1444	+	16	+	12										
Heebner	3780	-1788	3777	-1785	3818	-1812	+	24	+	27			3788	-1795	+	7	+	10		
Douglas	3823	-1831	3824	-1832	3866	-1860	+	29	+	28			3836	-1843	+	12	+	11		
Brown Lime	3950	-1958	3950	-1958	3986	-1980	+	22	+	22			3966	-1973	+	15	+	15		
Lansing	3967	-1975	3966	-1974	4004	-1998	+	23	+	24			3982	-1989	+	14	+	15		
Muncie Creek	4123	-2131	4124	-2132	4162	-2156	+	25	+	24			4142	-2149	+	18	+	17		
Stark	4214	-2222	4214	-2222	4252	-2246	+	24	+	24			4234	-2241	+	19	+	19		
BKC	4338	-2346	4338	-2346	4376	-2370	+	24	+	24			4359	-2366	+	20	+	20		
Marmaton	4349	-2357	4351	-2359	4398	-2392	+	35	+	33			4374	-2381	+	24	+	22		
Viola	4469	-2477	4473	-2481	4520	-2514	+	37	+	33			4506	-2513	+	36	+	32		
Simpson Shale	4571	-2579	4575	-2583	4642	-2636	+	57	+	53			4558	-2565	-	14	-	18		
Simpson Sand	4593	-2601	4596	-2604									4574	-2581	-	20	-	23		
Arbuckle	4647	-2655	4649	-2657	4695	-2689	+	34	+	32			4648	-2655	+	0	-	2		
RTD			4750	-2758	4718	-2712			-	46			4694	-2701			-	57		
LTD	4749	-2757			4719	-2713	-	44					4696	-2703	-	54				

D&A																				
Lewis Drilling Co.																				
Eads #1																				
NE-NE-NW Sec. 3-T29s-R14w																				
KB	2014																			
COMP. CARD		LOG		SMPL.																
DEPTH	DATUM	CORR.		CORR.																
835	1179	-	16	-	12															
3802	-1788	+	0	+	3															
3848	-1834	+	3	+	2															
3977	-1963	+	5	+	5															
3994	-1980	+	5	+	6															
4156	-2142	+	11	+	10															
4248	-2234	+	12	+	12															
4368	-2354	+	8	+	8															
4382	-2368	+	11	+	9															
4503	-2489	+	12	+	8															
4585	-2571	-	8	-	12															
4602	-2588	-	13	-	16															
4667	-2653	-	2	-	4															
4716	-2702			-	56															
4714	-2700	-	57																	

ROCK TYPES

Cht
Cht vari
Dolprim
Dolsec
Lmst fw<7
shale, grn
shale, gry
Carbon Sh
shale, red
Ss

ACCESSORIES

MINERAL
P Pyrite

FOSSIL
Bioclastic or Fragmental
F Fossils < 20%
Oolites
Oomoldic

STRINGER
Chert
Dolomite
Limestone
Sandstone
Siltstone
Shale
green shale
red shale

TEXTURE
C Chalky

OTHER SYMBOLS

OTHER SYMBOLS

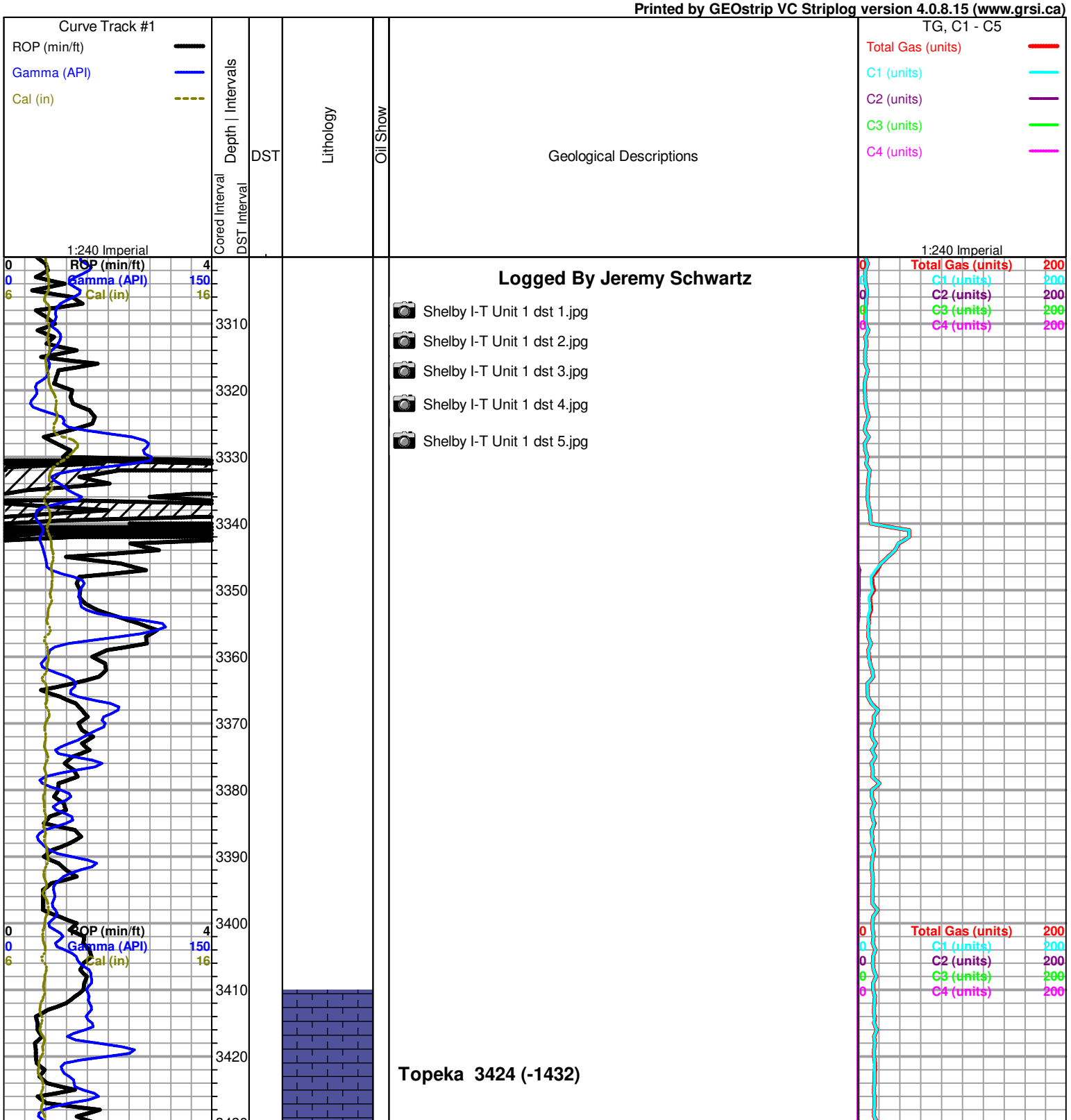
MISC

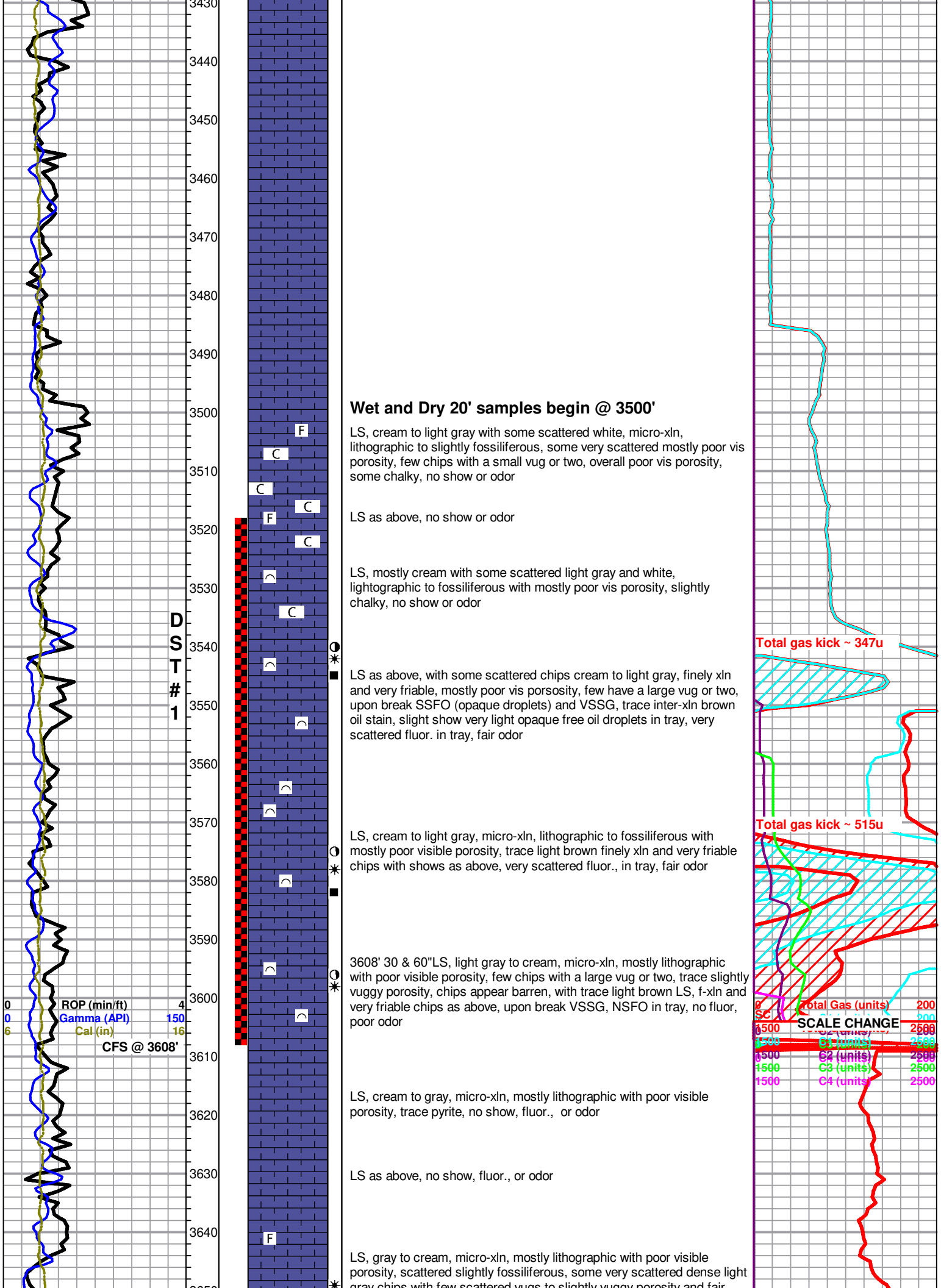
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Int
- DST alt

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





Wet and Dry 20' samples begin @ 3500'

LS, cream to light gray with some scattered white, micro-xln, lithographic to slightly fossiliferous, some very scattered mostly poor vis porosity, few chips with a small vug or two, overall poor vis porosity, some chalky, no show or odor

LS as above, no show or odor

LS, mostly cream with some scattered light gray and white, lightographic to fossiliferous with mostly poor vis porosity, slightly chalky, no show or odor

LS as above, with some scattered chips cream to light gray, finely xln and very friable, mostly poor vis porsosity, few have a large vug or two, upon break SSFO (opaque droplets) and VSSG, trace inter-xln brown oil stain, slight show very light opaque free oil droplets in tray, very scattered fluor. in tray, fair odor

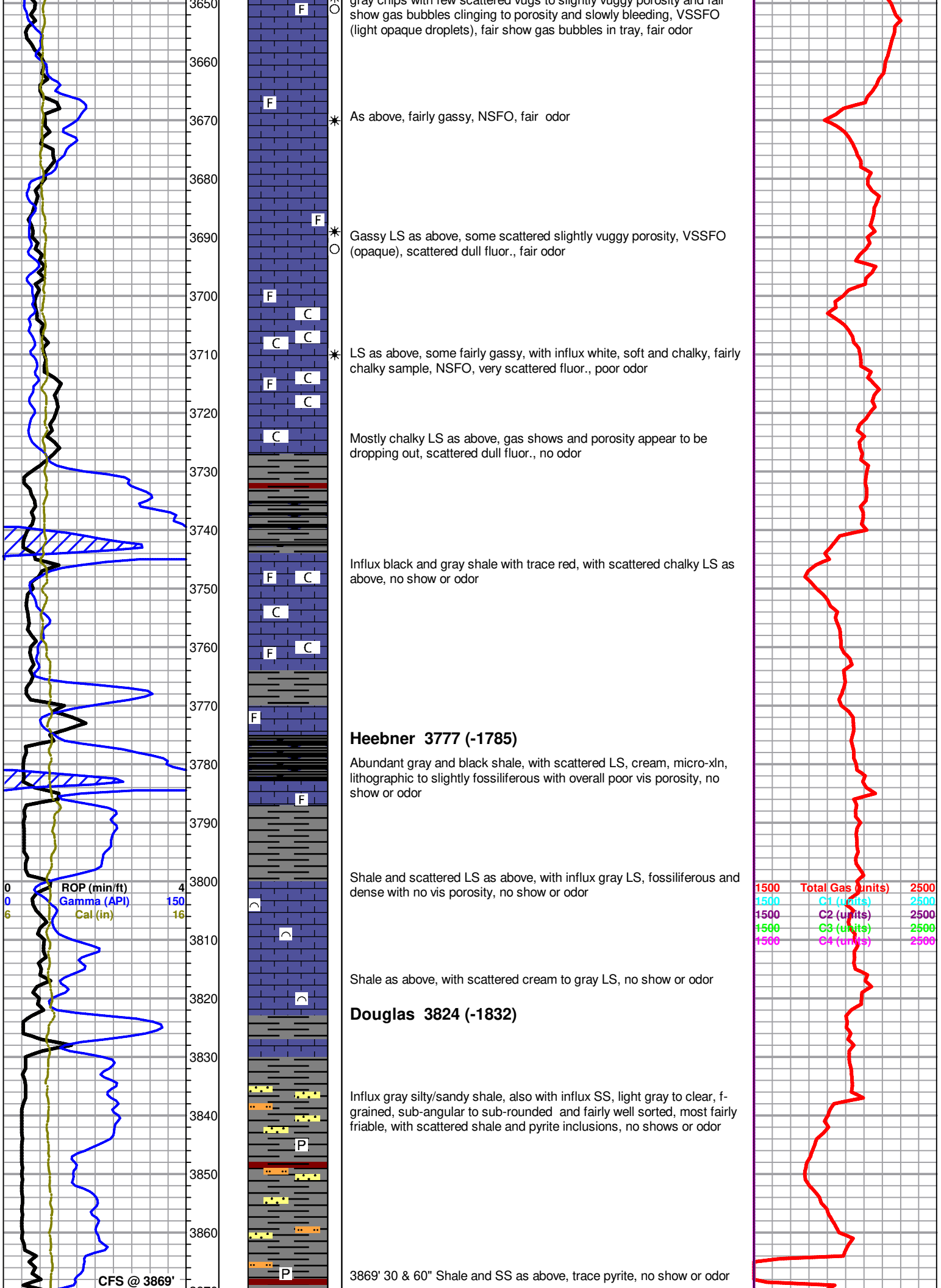
LS, cream to light gray, micro-xln, lithographic to fossiliferous with mostly poor visible porosity, trace light brown finely xln and very friable chips with shows as above, very scattered fluor., in tray, fair odor

3608' 30 & 60"LS, light gray to cream, micro-xln, mostly lithographic with poor visible porosity, few chips with a large vug or two, trace slightly vuggy porosity, chips appear barren, with trace light brown LS, f-xln and very friable chips as above, upon break VSSG, NSFO in tray, no fluor, poor odor

LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, trace pyrite, no show, fluor., or odor

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

LS, gray to cream, micro-xln, mostly lithographic with poor visible porosity, scattered slightly fossiliferous, some very scattered dense light



gray chips with few scattered vugs to slightly vuggy porosity and fair show gas bubbles clinging to porosity and slowly bleeding, VSSFO (light opaque droplets), fair show gas bubbles in tray, fair odor

As above, fairly gassy, NSFO, fair odor

Gassy LS as above, some scattered slightly vuggy porosity, VSSFO (opaque), scattered dull fluor., fair odor

LS as above, some fairly gassy, with influx white, soft and chalky, fairly chalky sample, NSFO, very scattered fluor., poor odor

Mostly chalky LS as above, gas shows and porosity appear to be dropping out, scattered dull fluor., no odor

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

Heebner 3777 (-1785)

Abundant gray and black shale, with scattered LS, cream, micro-xln, lithographic to slightly fossiliferous with overall poor vis porosity, no show or odor

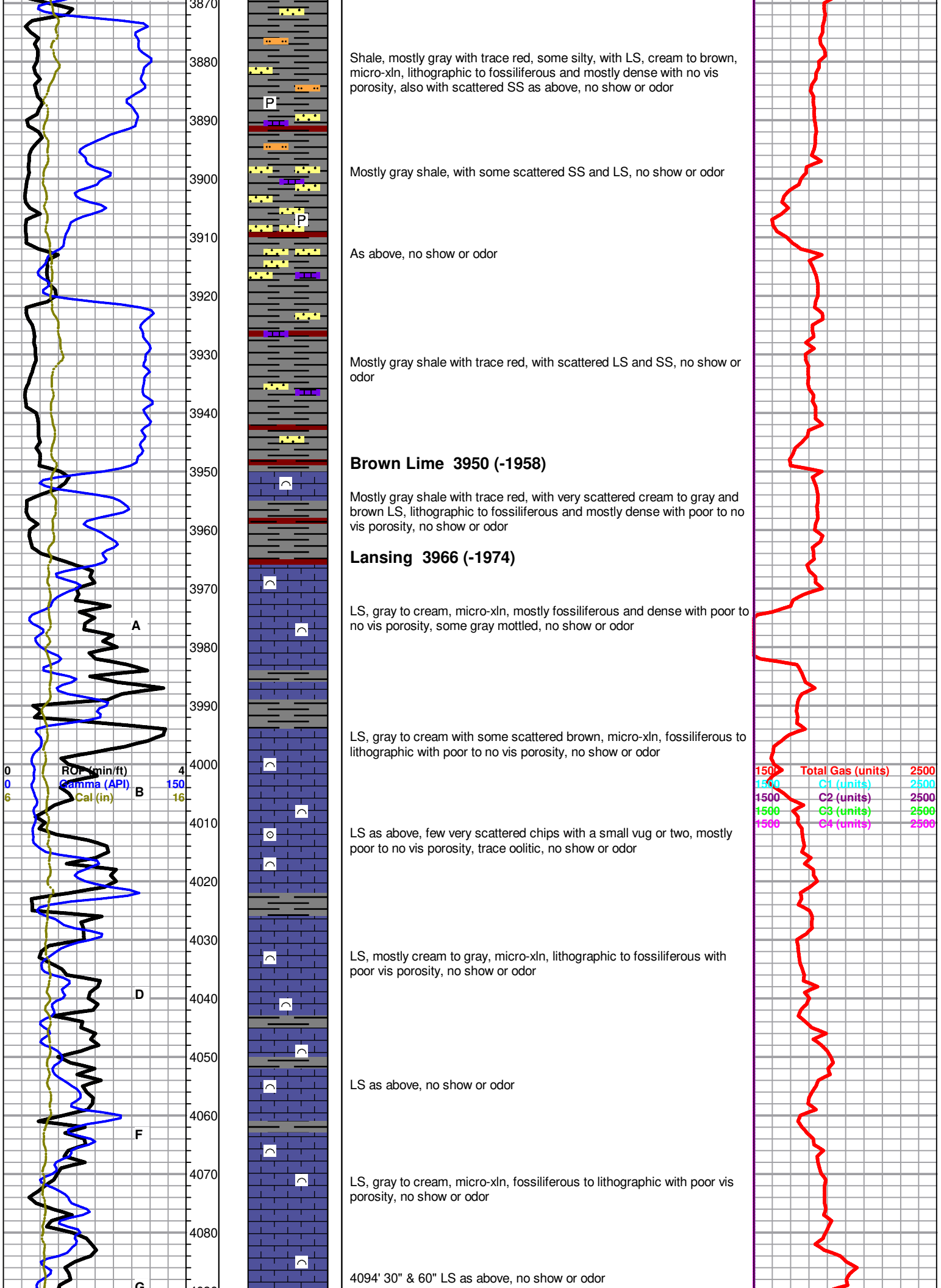
Shale and scattered LS as above, with influx gray LS, fossiliferous and dense with no vis porosity, no show or odor

Shale as above, with scattered cream to gray LS, no show or odor

Douglas 3824 (-1832)

Influx gray silty/sandy shale, also with influx SS, light gray to clear, f-grained, sub-angular to sub-rounded and fairly well sorted, most fairly friable, with scattered shale and pyrite inclusions, no shows or odor

3869' 30 & 60" Shale and SS as above, trace pyrite, no show or odor



Shale, mostly gray with trace red, some silty, with LS, cream to brown, micro-xln, lithographic to fossiliferous and mostly dense with no vis porosity, also with scattered SS as above, no show or odor

Mostly gray shale, with some scattered SS and LS, no show or odor

As above, no show or odor

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

Brown Lime 3950 (-1958)

Mostly gray shale with trace red, with very scattered cream to gray and brown LS, lithographic to fossiliferous and mostly dense with poor to no vis porosity, no show or odor

Lansing 3966 (-1974)

LS, gray to cream, micro-xln, mostly fossiliferous and dense with poor to no vis porosity, some gray mottled, no show or odor

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

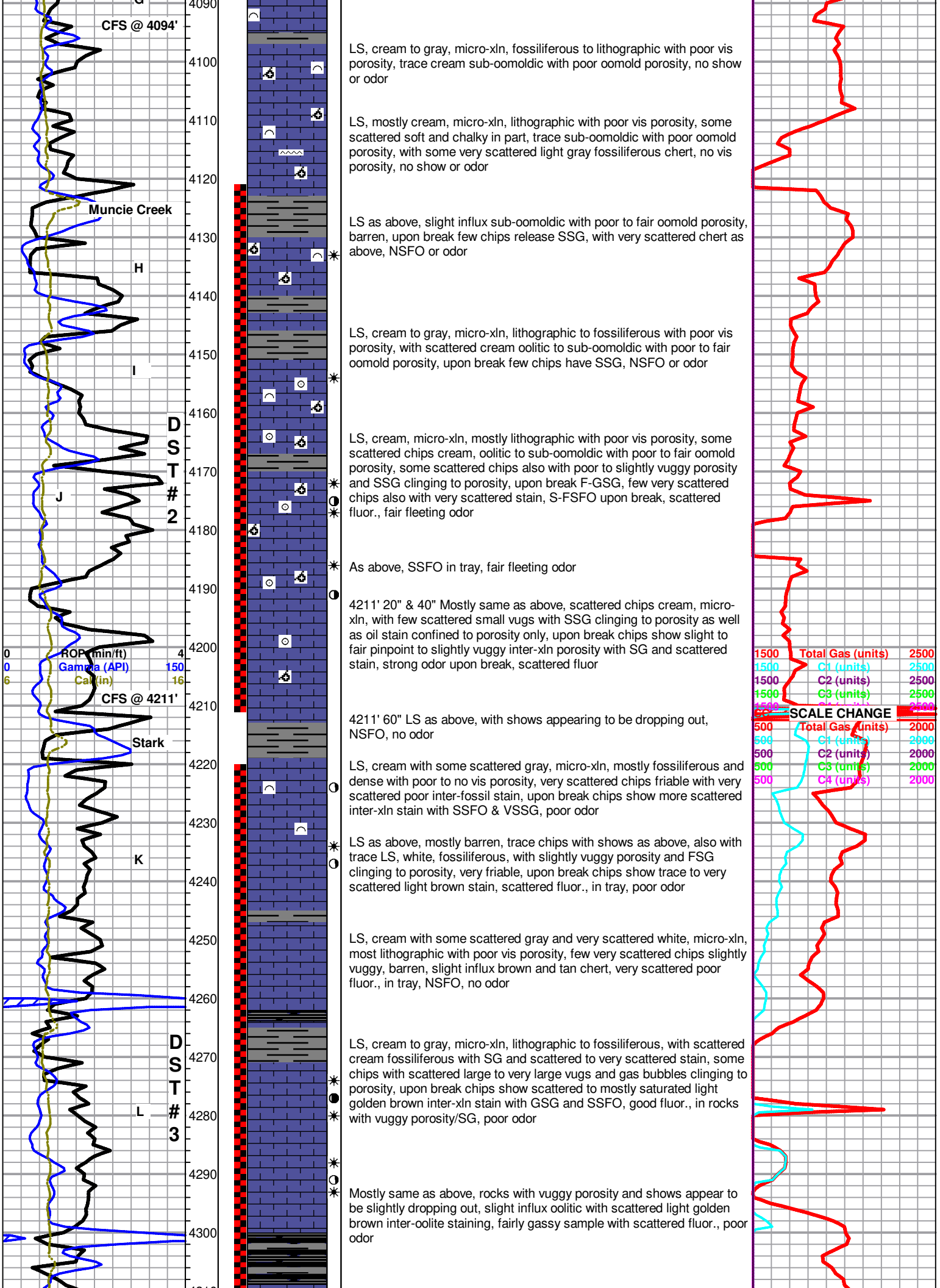
LS as above, few very scattered chips with a small vug or two, mostly poor to no vis porosity, trace oolitic, no show or odor

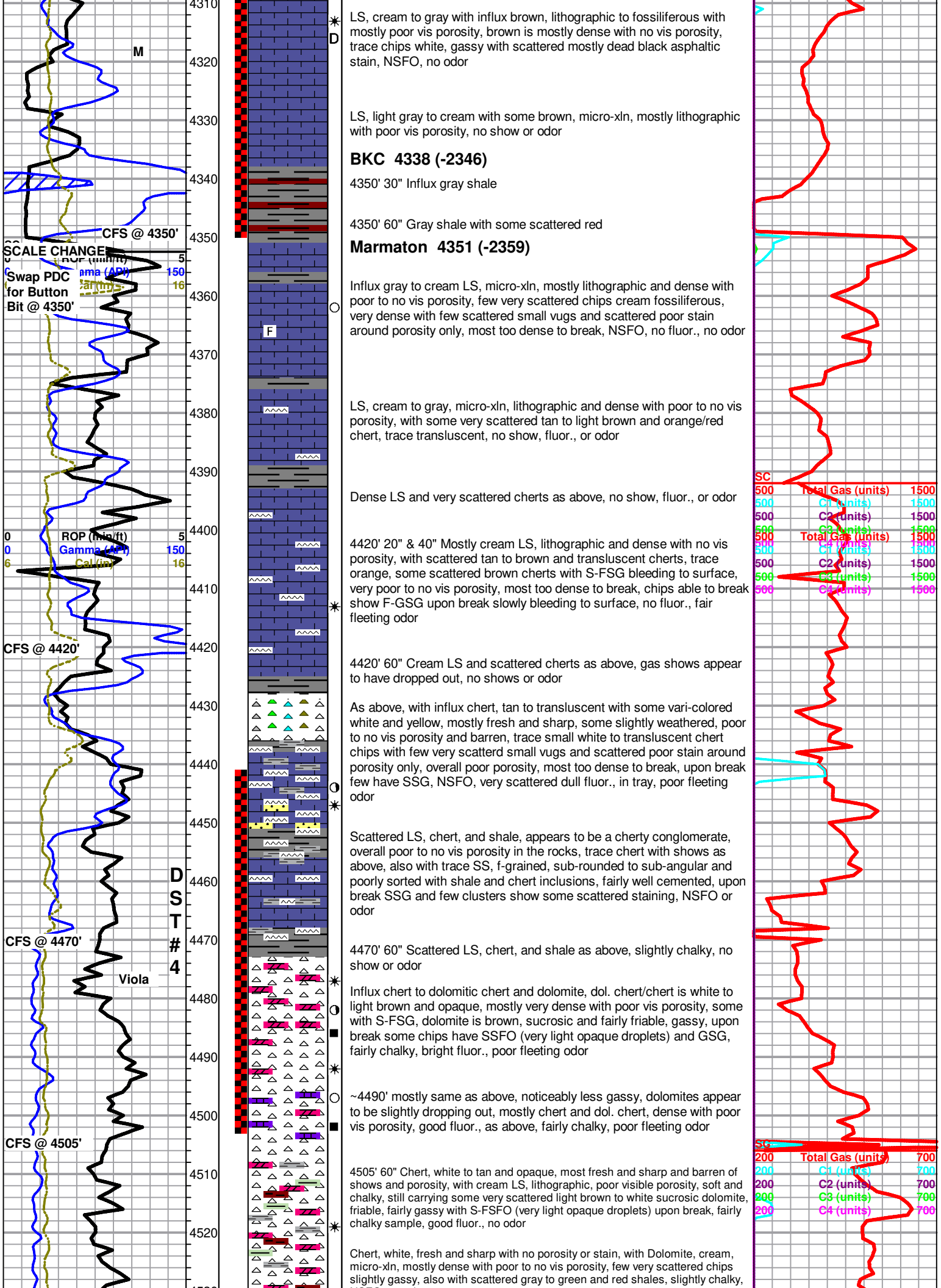
LS, mostly cream to gray, micro-xln, lithographic to fossiliferous with poor vis porosity, no show or odor

LS as above, no show or odor

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

4094' 30" & 60" LS as above, no show or odor


CFS @ 4094'
Muncie Creek
H
I
J
DST#2
Stark
K
DST#3
L
CFS @ 4211'
0 ROP (min/ft) 4
0 Gamma (API) 150
6 Cal (in) 16
4090
4100
4110
4120
4130
4140
4150
4160
4170
4180
4190
4200
4210
4220
4230
4240
4250
4260
4270
4280
4290
4300
LS, cream to gray, micro-xln, fossiliferous to lithographic with poor vis porosity, trace cream sub-oomoldic with poor oomold porosity, no show or odor
LS, mostly cream, micro-xln, lithographic with poor vis porosity, some scattered soft and chalky in part, trace sub-oomoldic with poor oomold porosity, with some very scattered light gray fossiliferous chert, no vis porosity, no show or odor
LS as above, slight influx sub-oomoldic with poor to fair oomold porosity, barren, upon break few chips release SSG, with very scattered chert as above, NSFO or odor
LS, cream to gray, micro-xln, lithographic to fossiliferous with poor vis porosity, with scattered cream oolitic to sub-oomoldic with poor to fair oomold porosity, upon break few chips have SSG, NSFO or odor
LS, cream, micro-xln, mostly lithographic with poor vis porosity, some scattered chips cream, oolitic to sub-oomoldic with poor to fair oomold porosity, some scattered chips also with poor to slightly vuggy porosity and SSG clinging to porosity, upon break F-GSG, few very scattered chips also with very scattered stain, S-FSFO upon break, scattered fluor., fair fleeting odor
As above, SSFO in tray, fair fleeting odor
4211' 20" & 40" Mostly same as above, scattered chips cream, micro-xln, with few scattered small vugs with SSG clinging to porosity as well as oil stain confined to porosity only, upon break chips show slight to fair pinpoint to slightly vuggy inter-xln porosity with SG and scattered stain, strong odor upon break, scattered fluor
4211' 60" LS as above, with shows appearing to be dropping out, NSFO, no odor
LS, cream with some scattered gray, micro-xln, mostly fossiliferous and dense with poor to no vis porosity, very scattered chips friable with very scattered poor inter-fossil stain, upon break chips show more scattered inter-xln stain with SSFO & VSSG, poor odor
LS as above, mostly barren, trace chips with shows as above, also with trace LS, white, fossiliferous, with slightly vuggy porosity and FSG clinging to porosity, very friable, upon break chips show trace to very scattered light brown stain, scattered fluor., in tray, poor odor
LS, cream with some scattered gray and very scattered white, micro-xln, most lithographic with poor vis porosity, few very scattered chips slightly vuggy, barren, slight influx brown and tan chert, very scattered poor fluor., in tray, NSFO, no odor
LS, cream to gray, micro-xln, lithographic to fossiliferous, with scattered cream fossiliferous with SG and scattered to very scattered stain, some chips with scattered large to very large vugs and gas bubbles clinging to porosity, upon break chips show scattered to mostly saturated light golden brown inter-xln stain with GSG and SSFO, good fluor., in rocks with vuggy porosity/SG, poor odor
Mostly same as above, rocks with vuggy porosity and shows appear to be slightly dropping out, slight influx oolitic with scattered light golden brown inter-oolite staining, fairly gassy sample with scattered fluor., poor odor
1500 Total Gas (units) 2500
1500 C1 (units) 2500
1500 C2 (units) 2500
1500 C3 (units) 2500
SCALE CHANGE
500 Total Gas (units) 2000
500 C1 (units) 2000
500 C2 (units) 2000
500 C3 (units) 2000
500 C4 (units) 2000



LS, cream to gray with influx brown, lithographic to fossiliferous with mostly poor vis porosity, brown is mostly dense with no vis porosity, trace chips white, gassy with scattered mostly dead black asphaltic stain, NSFO, no odor

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

BKC 4338 (-2346)

4350' 30" Influx gray shale

4350' 60" Gray shale with some scattered red

Marmaton 4351 (-2359)

Influx gray to cream LS, micro-xln, mostly lithographic and dense with poor to no vis porosity, few very scattered chips cream fossiliferous, very dense with few scattered small vugs and scattered poor stain around porosity only, most too dense to break, NSFO, no fluor., no odor

LS, cream to gray, micro-xln, lithographic and dense with poor to no vis porosity, with some very scattered tan to light brown and orange/red chert, trace transluscent, no show, fluor., or odor

Dense LS and very scattered cherts as above, no show, fluor., or odor

4420' 20" & 40" Mostly cream LS, lithographic and dense with no vis porosity, with scattered tan to brown and transluscent cherts, trace orange, some scattered brown cherts with S-FSG bleeding to surface, very poor to no vis porosity, most too dense to break, chips able to break show F-GSG upon break slowly bleeding to surface, no fluor., fair fleeting odor

4420' 60" Cream LS and scattered cherts as above, gas shows appear to have dropped out, no shows or odor

As above, with influx chert, tan to transluscent with some vari-colored white and yellow, mostly fresh and sharp, some slightly weathered, poor to no vis porosity and barren, trace small white to transluscent chert chips with few very scatterd small vugs and scattered poor stain around porosity only, overall poor porosity, most too dense to break, upon break few have SSG, NSFO, very scattered dull fluor., in tray, poor fleeting odor

Scattered LS, chert, and shale, appears to be a cherty conglomerate, overall poor to no vis porosity in the rocks, trace chert with shows as above, also with trace SS, f-grained, sub-rounded to sub-angular and poorly sorted with shale and chert inclusions, fairly well cemented, upon break SSG and few clusters show some scattered staining, NSFO or odor

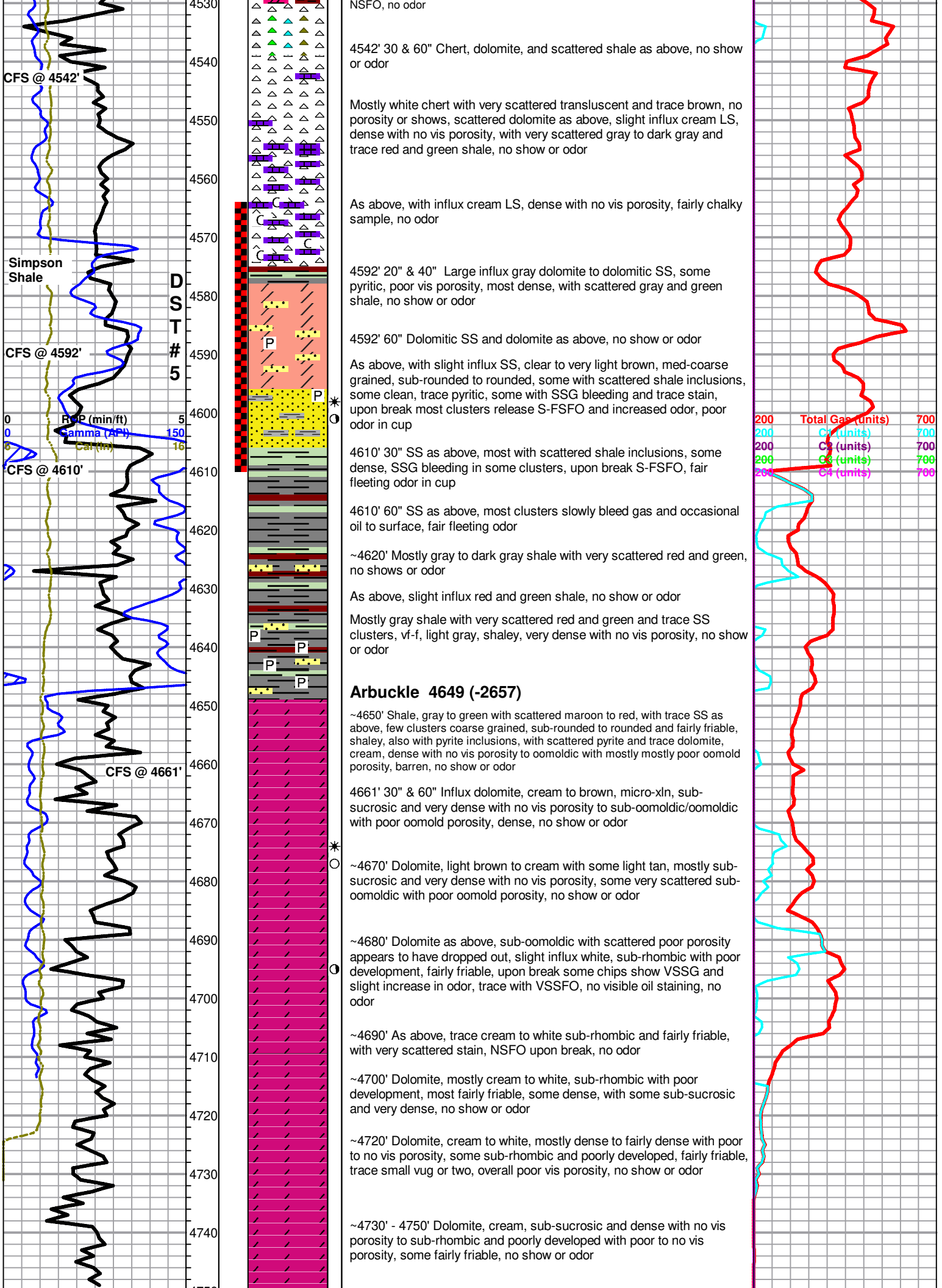
4470' 60" Scattered LS, chert, and shale as above, slightly chalky, no show or odor

Influx chert to dolomitic chert and dolomite, dol. chert/chert is white to light brown and opaque, mostly very dense with poor vis porosity, some with S-FSG, dolomite is brown, sucrosic and fairly friable, gassy, upon break some chips have SSFO (very light opaque droplets) and GSG, fairly chalky, bright fluor., poor fleeting odor

~4490' mostly same as above, noticeably less gassy, dolomites appear to be slightly dropping out, mostly chert and dol. chert, dense with poor vis porosity, good fluor., as above, fairly chalky, poor fleeting odor

4505' 60" Chert, white to tan and opaque, most fresh and sharp and barren of shows and porosity, with cream LS, lithographic, poor visible porosity, soft and chalky, still carrying some very scattered light brown to white sucrosic dolomite, friable, fairly gassy with S-FSFO (very light opaque droplets) upon break, fairly chalky sample, good fluor., no odor

Chert, white, fresh and sharp with no porosity or stain, with Dolomite, cream, micro-xln, mostly dense with poor to no vis porosity, few very scattered chips slightly gassy, also with scattered gray to green and red shales, slightly chalky,



NSFO, no odor

4542' 30 & 60" Chert, dolomite, and scattered shale as above, no show or odor

Mostly white chert with very scattered transluscent and trace brown, no porosity or shows, scattered dolomite as above, slight influx cream LS, dense with no vis porosity, with very scattered gray to dark gray and trace red and green shale, no show or odor

As above, with influx cream LS, dense with no vis porosity, fairly chalky sample, no odor

4592' 20" & 40" Large influx gray dolomite to dolomitic SS, some pyritic, poor vis porosity, most dense, with scattered gray and green shale, no show or odor

4592' 60" Dolomitic SS and dolomite as above, no show or odor

As above, with slight influx SS, clear to very light brown, med-coarse grained, sub-rounded to rounded, some with scattered shale inclusions, some clean, trace pyritic, some with SSG bleeding and trace stain, upon break most clusters release S-FSFO and increased odor, poor odor in cup

4610' 30" SS as above, most with scattered shale inclusions, some dense, SSG bleeding in some clusters, upon break S-FSFO, fair fleeting odor in cup

4610' 60" SS as above, most clusters slowly bleed gas and occasional oil to surface, fair fleeting odor

~4620' Mostly gray to dark gray shale with very scattered red and green, no shows or odor

As above, slight influx red and green shale, no show or odor

Mostly gray shale with very scattered red and green and trace SS clusters, vf-f, light gray, shaley, very dense with no vis porosity, no show or odor

Arbuckle 4649 (-2657)

~4650' Shale, gray to green with scattered maroon to red, with trace SS as above, few clusters coarse grained, sub-rounded to rounded and fairly friable, shaley, also with pyrite inclusions, with scattered pyrite and trace dolomite, cream, dense with no vis porosity to oomoldic with mostly mostly poor oomold porosity, barren, no show or odor

4661' 30" & 60" Influx dolomite, cream to brown, micro-xln, sub-sucrosic and very dense with no vis porosity to sub-oomoldic/oomoldic with poor oomold porosity, dense, no show or odor

~4670' Dolomite, light brown to cream with some light tan, mostly sub-sucrosic and very dense with no vis porosity, some very scattered sub-oomoldic with poor oomold porosity, no show or odor

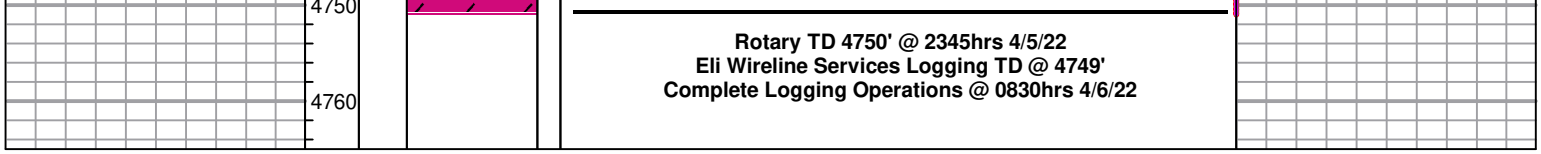
~4680' Dolomite as above, sub-oomoldic with scattered poor porosity appears to have dropped out, slight influx white, sub-rhombic with poor development, fairly friable, upon break some chips show VSSG and slight increase in odor, trace with VSSFO, no visible oil staining, no odor

~4690' As above, trace cream to white sub-rhombic and fairly friable, with very scattered stain, NSFO upon break, no odor

~4700' Dolomite, mostly cream to white, sub-rhombic with poor development, most fairly friable, some dense, with some sub-sucrosic and very dense, no show or odor

~4720' Dolomite, cream to white, mostly dense to fairly dense with poor to no vis porosity, some sub-rhombic and poorly developed, fairly friable, trace small vug or two, overall poor vis porosity, no show or odor

~4730' - 4750' Dolomite, cream, sub-sucrosic and dense with no vis porosity to sub-rhombic and poorly developed with poor to no vis porosity, some fairly friable, no show or odor



Rotary TD 4750' @ 2345hrs 4/5/22
Eli Wireline Services Logging TD @ 4749'
Complete Logging Operations @ 0830hrs 4/6/22

Shelby I-T Unit 1 dst 1.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67885 **DST#: 1**

Test Start: 2022.03.30 @ 22:38:00

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 01:05:32
Time Test Ended: 11:49:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 3518.00 ft (KB) To 3608.00 ft (KB) (TVD)
Total Depth: 3608.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

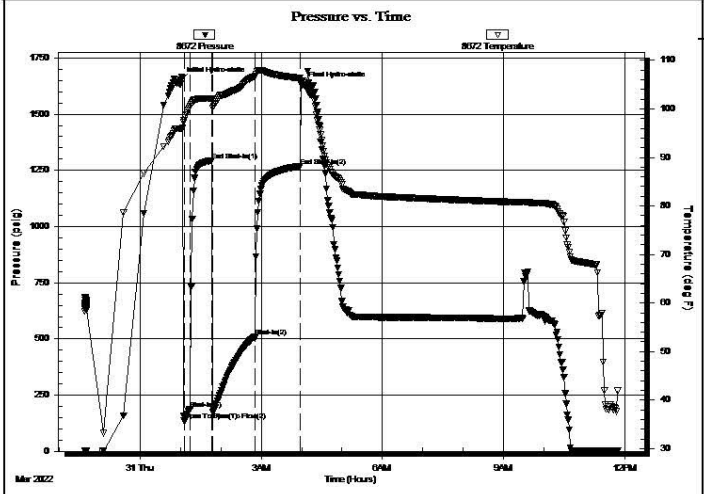
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 509.62 psig @ 3520.00 ft (KB)
Start Date: 2022.03.30 End Date: 2022.03.31
Start Time: 22:38:01 End Time: 11:49:47

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.03.31 @ 01:00:02
Time Off Btm: 2022.03.31 @ 04:00:02

TEST COMMENT: IF: 10 min., BOB 30 sec., strong building blow , 42#
ISI: 30 min., Blow back instantly, 3 inches
FF: 60 min., BOB ASAO, GTS 20 min., strong building blow
FSI: 60 min., Blow back instantly, 85 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1650.61	95.89	Initial Hydro-static
6	135.81	97.61	Open To Flow (1)
15	188.28	100.53	Shut-In(1)
47	1292.65	102.10	End Shut-In(1)
48	175.31	100.17	Open To Flow (2)
111	509.62	106.69	Shut-In(2)
178	1269.10	106.33	End Shut-In(2)
180	1629.33	105.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1386.00	gassy condensate 20%G, 80%CON	18.36

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	63.30	123.26
Last Gas Rate	0.25	72.00	137.06
Max. Gas Rate	0.25	75.20	142.14

Shelby I-T Unit 1 dst 2.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67886 **DST#: 2**

Test Start: 2022.04.01 @ 16:13:00

GENERAL INFORMATION:

Formation: **Lansing H-I**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 19:13:02
Time Test Ended: 02:06:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4121.00 ft (KB) To 4211.00 ft (KB) (TVD)
Total Depth: 4211.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

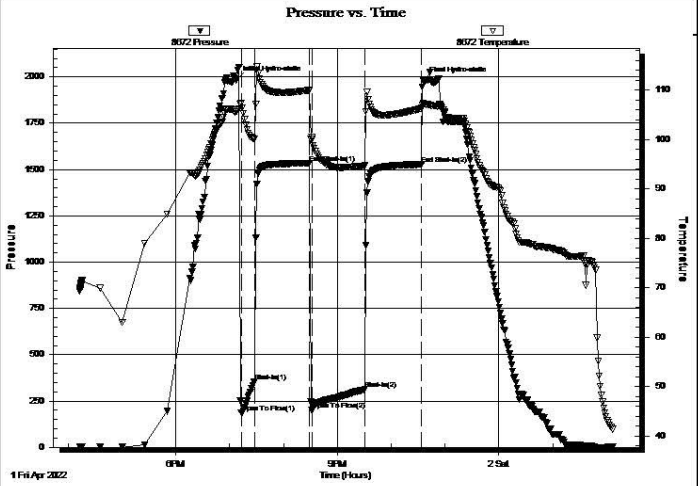
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 314.74 psig @ 4123.00 ft (KB)
Start Date: 2022.04.01 End Date: 2022.04.02
Start Time: 16:13:01 End Time: 02:06:47

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.04.01 @ 19:08:02
Time Off Btm: 2022.04.01 @ 22:35:32

TEST COMMENT: IF: 15 min., BOB 30 sec., strong building blow , GTS 13 min., 237#
IFI: 60 min., Blow back 1 min., .76 inches
FF: 60 min., BOB ASAO, strong building blow
FSI: 60 min., Blow back instantly, BOB 1 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.32	105.70	Initial Hydro-static
5	185.51	107.41	Open To Flow (1)
20	354.39	100.19	Shut-In(1)
82	1533.09	109.95	End Shut-In(1)
84	200.02	100.41	Open To Flow (2)
143	314.74	94.70	Shut-In(2)
206	1527.56	106.33	End Shut-In(2)
208	1982.75	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
567.00	gassy oil 30%G, 70%O	6.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	80.20	638.14
Last Gas Rate			
Max. Gas Rate	0.50	80.60	640.84

Shelby I-T Unit 1 dst 3.jpg

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67887 **DST#: 3**

Test Start: 2022.04.02 @ 16:00:00

GENERAL INFORMATION:

Formation: **Lansing J-M**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 18:40:17
Time Test Ended: 01:32:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4220.00 ft (KB) To 4350.00 ft (KB) (TVD)
Total Depth: 4350.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

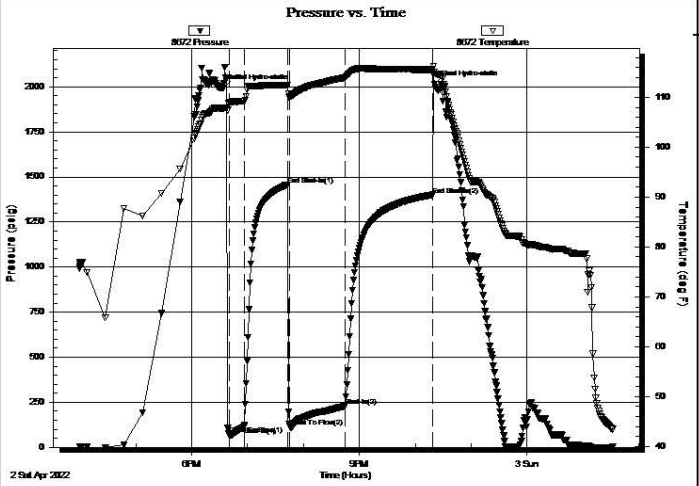
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 229.05 psig @ 4222.00 ft (KB)
Start Date: 2022.04.02 End Date: 2022.04.03
Start Time: 16:00:01 End Time: 01:32:02

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.04.02 @ 18:34:17
Time Off Btm: 2022.04.02 @ 22:20:47

TEST COMMENT: IF: 15 min., BOB 30 sec., strong building blow , 600 inches
ISI: 45 min., no blow back
FF: 60 min., BOB GTS ASAO, strong building blow
FSI: 90 min., blow back 30 sec., 10 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1992.49	107.81	Initial Hydro-static
6	71.26	108.95	Open To Flow (1)
22	114.81	109.26	Shut-In(1)
69	1457.11	112.39	End Shut-In(1)
71	115.79	110.05	Open To Flow (2)
131	229.05	113.96	Shut-In(2)
225	1401.06	115.61	End Shut-In(2)
227	2014.58	115.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
441.00	gassy oil 40%G, 60%O	5.10
63.00	gassy oily mud 5%G,5%O,90%M	0.88

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	15.00	11.00
Last Gas Rate			
Max. Gas Rate	0.13	26.50	15.31

Shelby I-T Unit 1 dst 4.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67888 **DST#: 4**

Test Start: 2022.04.04 @ 00:05:00

GENERAL INFORMATION:

Formation: **Viola**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 02:34:17
Time Test Ended: 08:47:02

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4441.00 ft (KB) To 4505.00 ft (KB) (TVD)
Total Depth: 4505.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

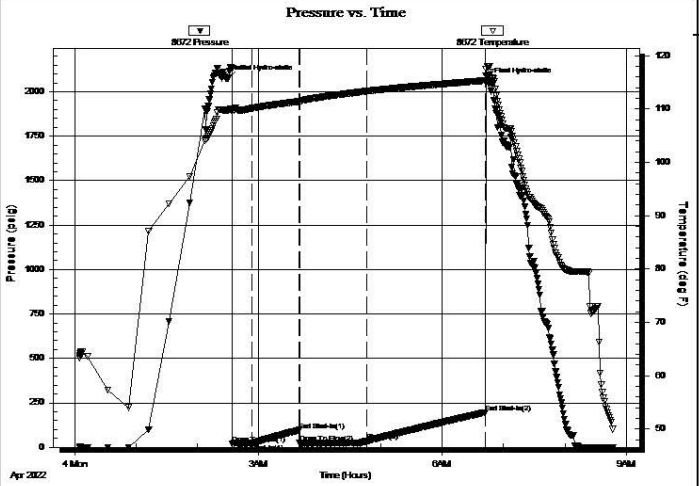
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 34.73 psig @ 4443.00 ft (KB)
Start Date: 2022.04.04 End Date: 2022.04.04
Start Time: 00:05:01 End Time: 08:47:02

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.04.04 @ 02:30:32
Time Off Btm: 2022.04.04 @ 06:44:47

TEST COMMENT: IF: 15 min., weak building blow, 1.75 inches
ISI: 45 min., no blow back
FF: 60 min. weak building blow, 2.84 inches
FSI: 120 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.84	109.78	Initial Hydro-static
4	21.57	109.50	Open To Flow (1)
24	21.61	110.11	Shut-In(1)
70	96.25	111.40	End Shut-In(1)
70	23.11	111.41	Open To Flow (2)
136	34.73	113.33	Shut-In(2)
252	196.17	115.36	End Shut-In(2)
255	2055.60	118.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

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

Shelby I-T Unit 1 dst 5.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources LLC

3700 Quebec Street Suite 100 PMB 376
Denver, CO 80207

ATTN: Jeremy Schwartz

27/28/14

I-T Unit 1

Job Ticket: 67889 **DST#: 5**

Test Start: 2022.04.05 @ 00:20:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: 1991.00 ft (KB)
Time Tool Opened: 02:46:17
Time Test Ended: 10:51:47

Test Type: Conventional Bottom Hole (Initial)
Tester: Chris Hagman
Unit No: 69

Interval: 4564.00 ft (KB) To 4610.00 ft (KB) (TVD)
Total Depth: 4610.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

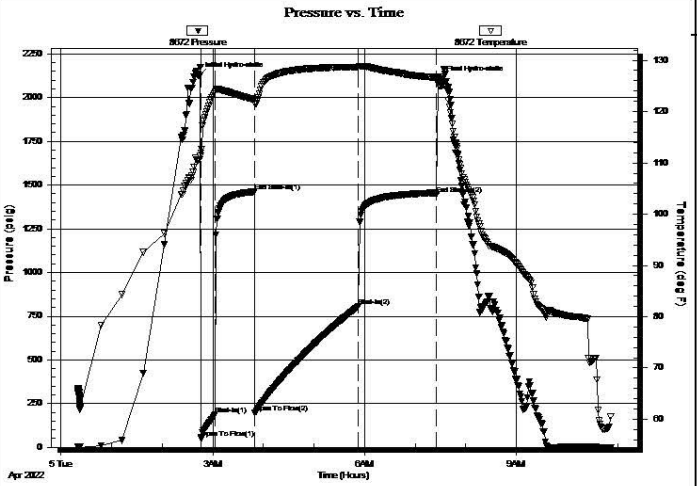
Reference Elevations: 1991.00 ft (KB)
1980.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 804.59 psig @ 4566.00 ft (KB)
Start Date: 2022.04.05 End Date: 2022.04.05
Start Time: 00:20:01 End Time: 10:51:47

Capacity: psig
Last Calib.: 2022.04.05
Time On Btm: 2022.04.05 @ 02:44:02
Time Off Btm: 2022.04.05 @ 07:29:02

TEST COMMENT: IF: 15 min., strong building blow , BOB 7 min., 27 inches
ISI: 45 min., no blow back
FF: 120 min., BOB 9 min., strong building blow , 158 inches
FSI: 90 min., no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.28	110.61	Initial Hydro-static
3	50.73	112.00	Open To Flow (1)
19	186.79	123.91	Shut-In(1)
66	1461.73	122.35	End Shut-In(1)
66	198.51	121.74	Open To Flow (2)
189	804.59	128.70	Shut-In(2)
282	1446.61	126.61	End Shut-In(2)
285	2101.17	125.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1630.00	100%W	21.78

Gas Rates

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

HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:

SHELBY RESOURCES LLC
3700 QUEBEC STREET
SUITE 100 PMB 376
DENVER, CO 80207-1639

Invoice Date:	3/27/2022
Invoice #:	0359683
Lease Name:	I-T Unit
Well #:	1-27 (New)
County:	Pratt, Ks
Job Number:	WP2580
District:	Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-CON	250.000	23.000	5,750.00
Cement Class A	300.000	17.480	5,244.00
Calcium Chloride	424.000	0.690	292.56
Cello Flake	58.000	1.610	93.38
8 5/8" Alum Baffle plate SI	1.000	138.000	138.00
8 5/8" Top rubber plug	1.000	161.000	161.00
8 5/8" Cementing basket	1.000	460.000	460.00
8 5/8" Centralizer x 12 1/4"	2.000	82.800	165.60
Light Eq Mileage	10.000	1.840	18.40
Heavy Eq Mileage	30.000	3.680	110.40
Ton Mileage	260.000	1.380	358.80
Cement Blending & Mixing	550.000	1.288	708.40
Depth Charge 501'-1000'	1.000	1,150.000	1,150.00
Cement Plug Container	1.000	230.000	230.00
Cement Data Acquisition	1.000	230.000	230.00
Service Supervisor	1.000	275.000	275.00
Calcium Chloride	150.000	0.690	103.50
Cement Pump-Hourly Service	3.000	175.000	525.00

Total 16,014.04

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

Customer	SHELBY RESOURCES LLC	Lease & Well #	I-T UNIT 1-27			Date	3/27/2022
Service District	PRATT	County & State	PRATT KS	Legals S/T/R	27-28S-14W	Job #	
Job Type	SURFACE ☑ PROD ☐ INJ ☐ SWD	New Well?	☑ YES ☐ No			Ticket #	WP2580

Equipment #	Driver
912	MATTAL
176/521	BROCKMAN
181/533	WILL

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☐ Slip/Trip/Fall Hazards	☐ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☐ Overhead Hazards	☐ Muster Point/Medical Locations
☐ Hearing Protection	☐ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
CP025	H-Con	sack	250.00			$5,750.00
CP010	Class A Cement	sack	300.00			$5,244.00
CP100	Calcium Chloride	lb	424.00			$292.56
CP120	Cello-flake	lb	58.00			$93.38
FE280	8 5/8" Baffle	ea	1.00			$138.00
FE285	8 5/8" Rubber Plug	ea	1.00			$161.00
FE255	8 5/8" Cement Basket	ea	1.00			$460.00
FE250	8 5/8" Centralizer	ea	2.00			$165.60
M015	Light Equipment Mileage	mi	10.00			$18.40
M010	Heavy Equipment Mileage	mi	30.00			$110.40
M020	Ton Mileage	tm	260.00			$358.80
C060	Cement Blending & Mixing Service	sack	550.00			$708.40
D011	Depth Charge: 501'-1000'	job	1.00			$1,150.00
C050	Cement Plug Container	job	1.00			$230.00
C035	Cement Data Acquisition	job	1.00			$230.00
R061	Service Supervisor	day	1.00			$275.00
cp100	Calcium Chloride	lb	150.00			$103.50
c025	Cement Pump - Hourly Service	hr	3.00			$525.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

				Net:	$16,014.04
Total Taxable	$ -	Tax Rate:			
State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.			Sale Tax:	$ -	
			Total:	$ 16,014.04	

HSI Representative: *Mike Mattal*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results fom the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well informaiton in determining taxable services.

X_____ **CUSTOMER AUTHORIZATION SIGNATURE**

ftv: 7-2020/11/30
mplv: 258-2022/03/01

CEMENT TREATMENT REPORT

Customer:	SHELBY RESOURCES LLC	Well:	I-T UNIT 1-27	Ticket:	WP2580
City, State:	PRATT KS	County:	PRATT KS	Date:	3/27/2022
Field Rep:		S-T-R:	27-28S-14W	Service:	SURFACE

Downhole Information	
Hole Size:	in
Hole Depth:	837 ft
Casing Size:	8 5/8 in
Casing Depth:	823.59 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	bbls

Calculated Slurry - Lead	
Blend:	H-CON
Weight:	12.0 ppg
Water / Sx:	14.5 gal / sx
Yield:	2.47 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	110.0 bbls
Total Sacks:	250 sx

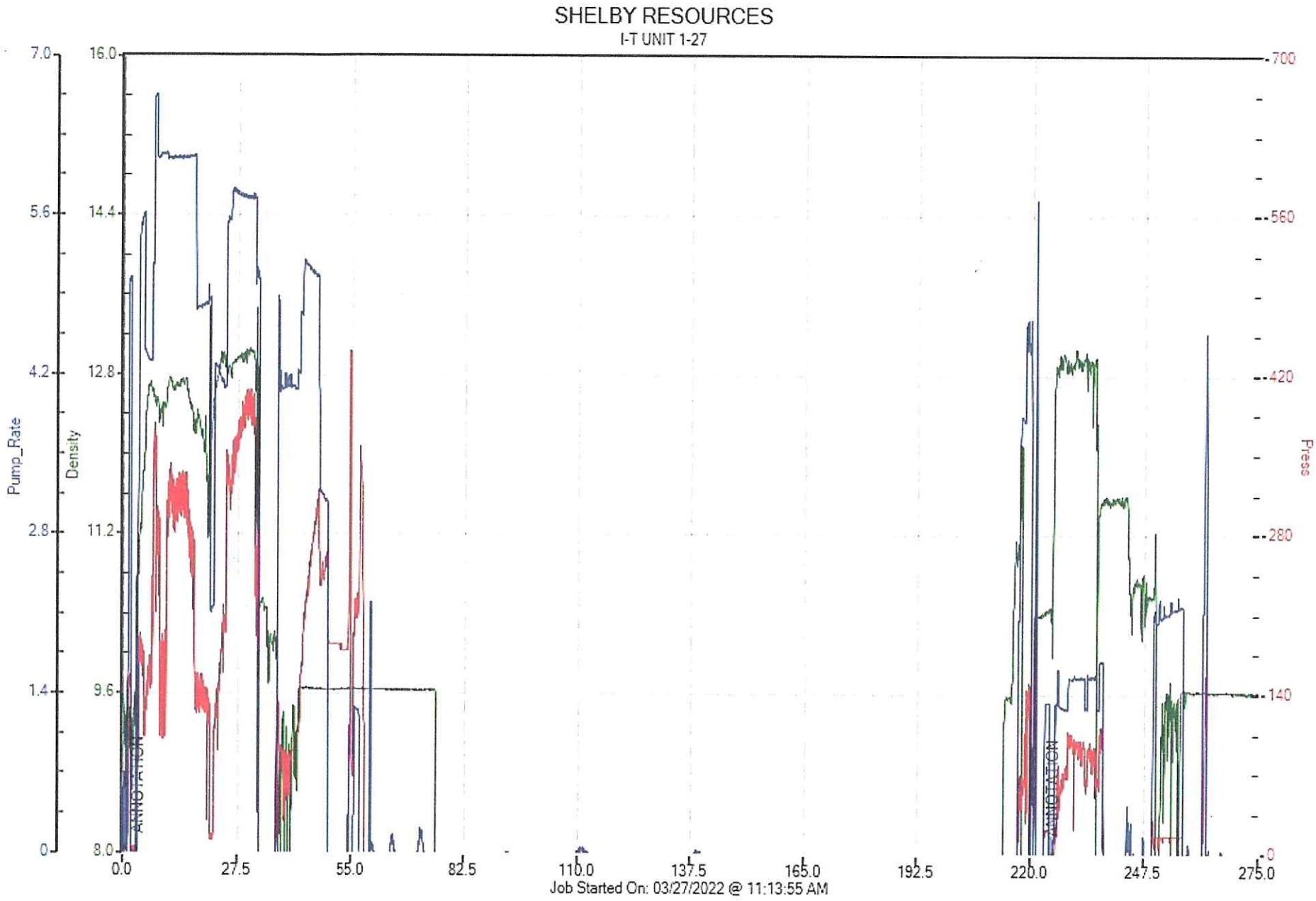
Calculated Slurry - Tail	
Blend:	CLASS A
Weight:	15.6 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.20 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	64.0 bbls
Total Sacks:	300 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:00 AM			-	-	ON LOCATION
10:57 AM				-	RUN 8 5/8 CASING, BASKET ON 1 CENTRALIZERS ON 1&3
11:42 AM				-	CASING ON BOTTOM
11:58 AM				-	HOOK TO CASING, BREAK CIRCULATION WITH RIG
12:11 PM	5.0	150.0	3.0	3.0	PUMP 3 BBL WATER
12:13 PM	4.3	150.0	110.0	113.0	MIX 250 SKS H-CON
12:31 PM	4.0	130.0	48.0	161.0	MIX 225 SKS CLASS A
12:43 PM				161.0	DROP PLUG
12:47 PM	4.0	110.0		161.0	START DISPLACEMENT
1:10 PM		300.0	49.6	210.6	PLUG DOWN, SHUT IN WELL
				210.6	NO CEMENT TO SURFACE, CEMENT ABOUT 20' DOWN
4:00 PM	1.0	90.0	16.0	226.6	MIX 75 SHS CLASS A, 3% CALCIUM CHLORIDE, DOWN 1 INCH
4:20 PM				226.6	CEMENT TO SURFACE
				-	
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	BRETT & WILL
				-	
				-	
				-	
				-	
				-	

	CREW	UNIT
Cementer:	MATTAL	912
Pump Operator:	BROCKMAN	176/521
Bulk #1:	WILL	181/533
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.7 bpm	155 psi	227 bbls

ftv: 7-2020/11/30
mplv: 258-2022/03/01


SHELBY RESOURCES
I-T UNIT 1-27
Pump_Rate
Density
Press
7.0
5.6
4.2
2.8
1.4
0
16.0
14.4
12.8
11.2
9.6
8.0
700
560
420
280
140
0
0.0
27.5
55.0
82.5
110.0
137.5
165.0
192.5
220.0
247.5
275.0
ANNOTATION
Job Started On: 03/27/2022 @ 11:13:55 AM

CEMENT TREATMENT REPORT

Customer:	Shelby Resources	**Well:**	I-T Unit 1-27	**Ticket:**	wp 2644
City, State:	Coats Kansas	**County:**	Pratt Kansas	**Date:**	4/7/2022
Field Rep:	Chris Gottschalk	**S-T-R:**	27-28s-14w	**Service:**	5Production casing

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4750 ft
Casing Size:	5 1/2 in
Casing Depth:	4552 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	111.0 bbls

Calculated Slurry - Lead	
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:	0.0 bbls
Excess:	
Total Slurry:	12.7 bbls
Total Sacks:	50 sx

Calculated Slurry - Tail	
Blend:	H-Long
Weight:	15 ppg
Water / Sx:	6.0 gal / sx
Yield:	1.43 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	51.0 bbls
Total Sacks:	200 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
9:00 PM			-	-	on location job and safety
9:15 PM				-	spot trucks and rig up
				-	turbolizers,,,,,,7,9,10,13,19,31
				-	basket,,,,,,,,24
10:55 PM				-	start casing in the hole
1:25 AM				-	casing on bottom and circulate
2:25 AM	2.0	-	12.7	12.7	plug rat and,,,,,,,,,rat hole 30 sacks,,,,,,,,,mouse hole 20 sacks
2:40 AM				-	start cement down hole
	4.0	200.0	12.7	12.7	mix 50 sack H-plug as scavenger
	5.0	400.0	51.0	63.7	mix 200 sacks H-Long
2:55 AM					cement in and shut down
					wash pump and lines
3:00 AM					start displacement
	5.5	160.0	20.0		
	5.5	160.0	40.0		
	5.5	160.0	60.0		
	5.5	350.0	80.0		
	3.0	450.0	90.0		
	3.0	700.0	100.0		
3:30 AM	3.0	1,000.0	111.0		plug down,,,,,took pressure from 1000 to 1800
					plug did hold

	CREW	**UNIT**
Cementer:	M Brungardt	916
Pump Operator:	B Brockman	179/521
Bulk #1:	W Waits	181/533
Bulk #2:		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.2 bpm	358 psi	577 bbls