

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

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

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	L-S Unit 1-15
Doc ID	1277849

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic



DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C.**

621 17 th STREET SUITE 1155
DENVER,COLORADO 80293

ATTN: JEREMY SCHWARTZ

L S UNIT 1-15

15-18S-14W BARTON

Start Date: 2015.12.04 @ 09:52:00

End Date: 2015.12.04 @ 19:29:00

Job Ticket #: 01200 DST #: 1

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.12.04 @ 06:08:05

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

L S UNIT 1-15

DST # 1

KANSAS CITY ;B

2015.12.04



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01200

DST#: 1

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.04 @ 09:52:00

GENERAL INFORMATION:

Formation: **KANSAS CITY ;B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:39:00

Time Test Ended: 19:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3203.00 ft (KB) To 3219.00 ft (KB) (TVD)**

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3219.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 9119

Inside

Press@RunDepth: 897.13 psia @ 3214.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.12.03

End Date:

2015.12.03

Last Calib.:

2015.12.04

Start Time:

11:52:00

End Time:

19:30:00

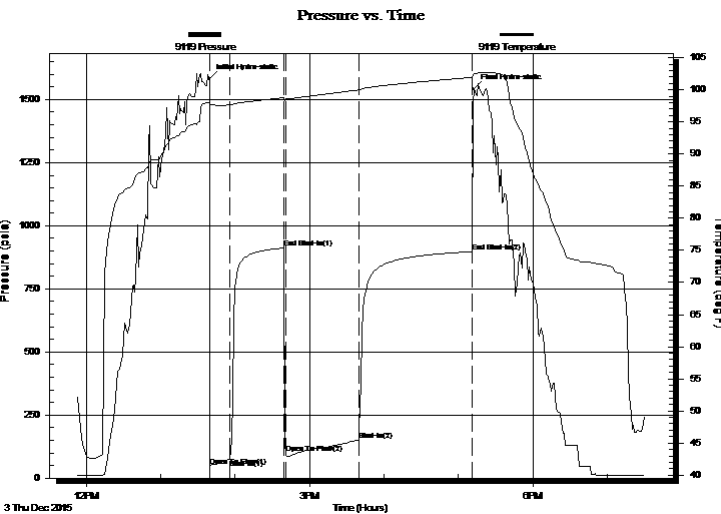
Time On Btm:

2015.12.03 @ 13:39:00

Time Off Btm:

2015.12.03 @ 17:12:30

TEST COMMENT: 1st OPENING 15 MINUTES GOOD BLOW BUILT TO BOTTOM OF A 5 GALLON BUCKET IN 2 1/2 MINUTES
1st SHUT-IN 45 MINUTE-NO BLOW BACK
2nd OPENING 60 MINUTES GOOD BLOW BUILT TO BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
2nd SHUT-IN 90 MINUTES-GAS TO SRFACE ON THBE 2ND SHUT-IN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1581.67	98.04	Initial Hydro-static
1	48.10	97.31	Open To Flow (1)
18	76.36	97.63	Shut-In(1)
61	911.99	98.80	End Shut-In(1)
62	97.35	98.61	Open To Flow (2)
121	150.73	99.96	Shut-In(2)
212	897.13	101.91	End Shut-In(2)
214	1542.57	102.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SLIGHTLY OIL CUT MUDDY WATER	2950.70
0.00	5 GAS 5 OIL 10 MUD 80 WATER	0.00
60.00	OIL AND GAS CUT MUDDY WATER	2950.70
0.00	15 GAS 40 OIL 15 MUD 30 WATER	0.00
120.00	SLIGHTLY MUD CUT GASSY OIL	4426.47
0.00	10 GAS 75 OIL 15 MUD	0.00

Gas Rates

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



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01200

DST#: 1

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.04 @ 09:52:00

GENERAL INFORMATION:

Formation: **KANSAS CITY ;B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:39:00

Time Test Ended: 19:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3203.00 ft (KB) To 3219.00 ft (KB) (TVD)**

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3219.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 9139 Outside

Press@RunDepth: 894.97 psia @ 3214.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.12.03

End Date:

2015.12.03

Last Calib.:

2015.12.04

Start Time:

11:52:00

End Time:

19:29:00

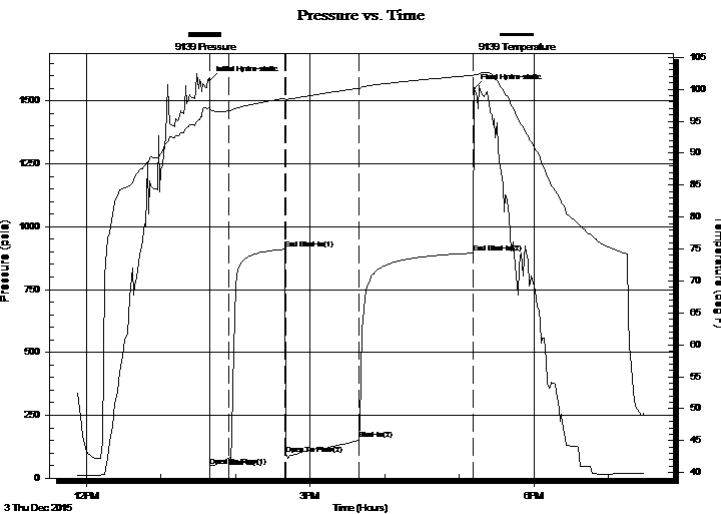
Time On Btm:

2015.12.03 @ 13:39:00

Time Off Btm:

2015.12.03 @ 17:12:00

TEST COMMENT: 1st OPENING 15 MINUTES GOOD BLOW BUILT TO BOTTOM OF A 5 GALLON BUCKET IN 2 1/2 MINUTES
1st SHUT-IN 45 MINUTE-NO BLOW BACK
2nd OPENING 60 MINUTES GOOD BLOW BUILT TO BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
2nd SHUT-IN 90 MINUTES-GAS TO SRFACE ON THBE 2ND SHUT-IN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1580.94	97.13	Initial Hydro-static
1	48.45	96.65	Open To Flow (1)
16	77.88	96.63	Shut-In(1)
61	910.38	98.58	End Shut-In(1)
62	95.01	98.42	Open To Flow (2)
121	153.35	100.15	Shut-In(2)
212	894.97	102.18	End Shut-In(2)
213	1548.02	102.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SLIGHTLY OIL CUT MUDDY WATER	2950.70
0.00	5 GAS 5 OIL 10 MUD 80 WATER	0.00
60.00	OIL AND GAS CUT MUDDY WATER	2950.70
0.00	15 GAS 40 OIL 15 MUD 30 WATER	0.00
120.00	SLIGHTLY MUD CUT GASSY OIL	4426.47
0.00	10 GAS 75 OIL 15 MUD	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01200

DST#: 1

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.04 @ 09:52:00

Tool Information

Drill Pipe:	Length: 2967.00 ft	Diameter: 3.80 inches	Volume: 41.62 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 225.00 inches	Volume: 10327.46 bbl	Weight to Pull Loose: 64000.00 lb
			Total Volume: 10369.08 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3203.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	45.00 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			3179.00	
Hydraulic tool	5.00			3184.00	
Jars	7.00			3191.00	
Safety Joint	2.00		Fluid	3193.00	
Top Packer	5.00			3198.00	
Packer	5.00			3203.00	29.00 Bottom Of Top Packer
Anchor	11.00			3214.00	
Recorder	0.00	9119	Inside	3214.00	
Recorder	0.00	9139	Outside	3214.00	
Bullnose	5.00			3219.00	16.00 Anchor Tool
Total Tool Length:	45.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01200

DST#: 1

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.04 @ 09:52:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 8.40 in³
Resistivity: ohm.m
Salinity: 3600.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SLIGHTLY OIL CUT MUDDY WATER	2950.702
0.00	5 GAS 5 OIL 10 MUD 80 WATER	0.000
60.00	OIL AND GAS CUT MUDDY WATER	2950.702
0.00	15 GAS 40 OIL 15 MUD 30 WATER	0.000
120.00	SLIGHTLY MUD CUT GASSY OIL	4426.474
0.00	10 GAS 75 OIL 15 MUD	0.000
90.00	MUDDY FROTHY OIL	1.262
	CHLORIDES 32000	

Total Length: 330.00 ft Total Volume: 10329.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

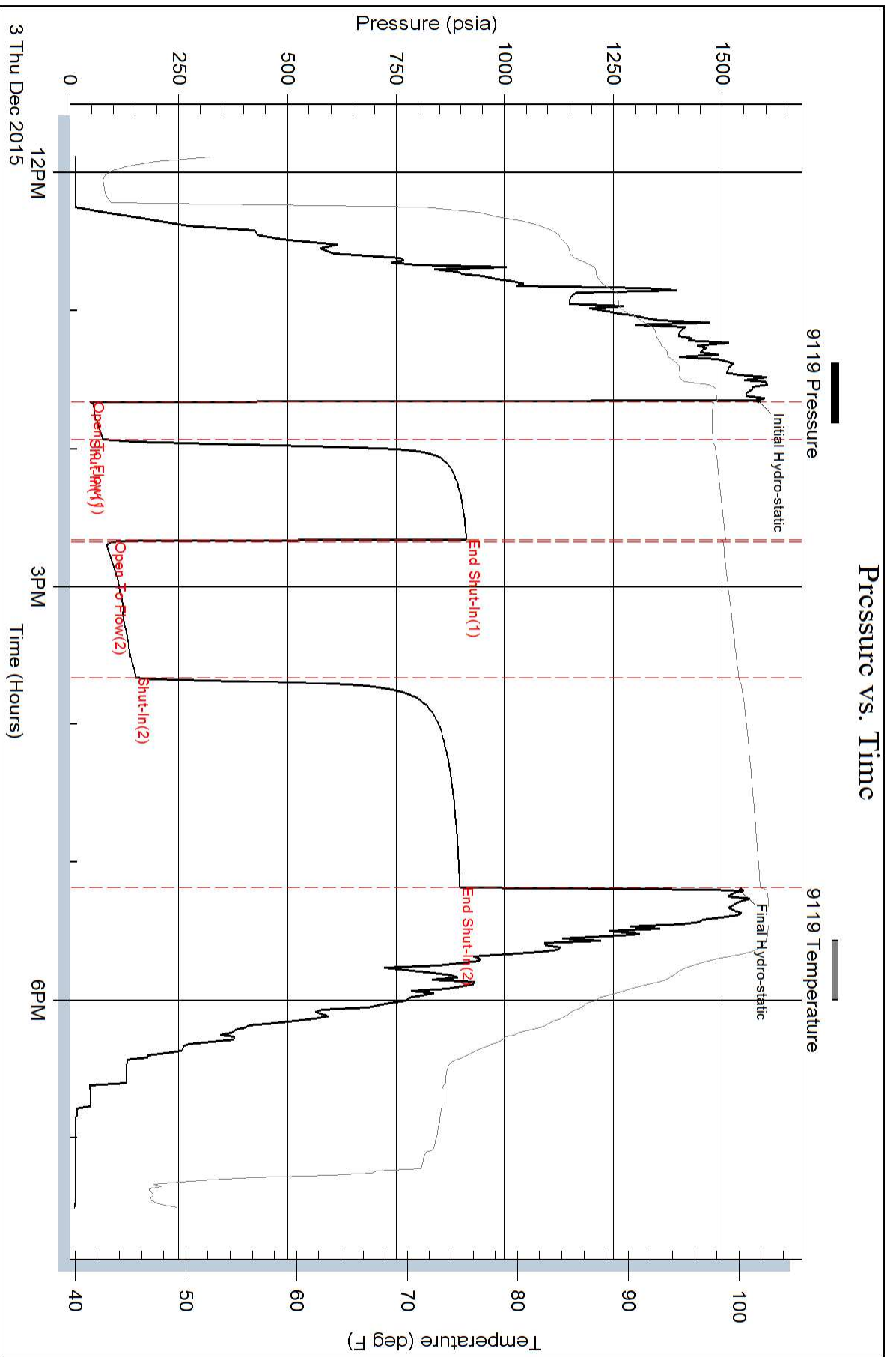
Serial #:

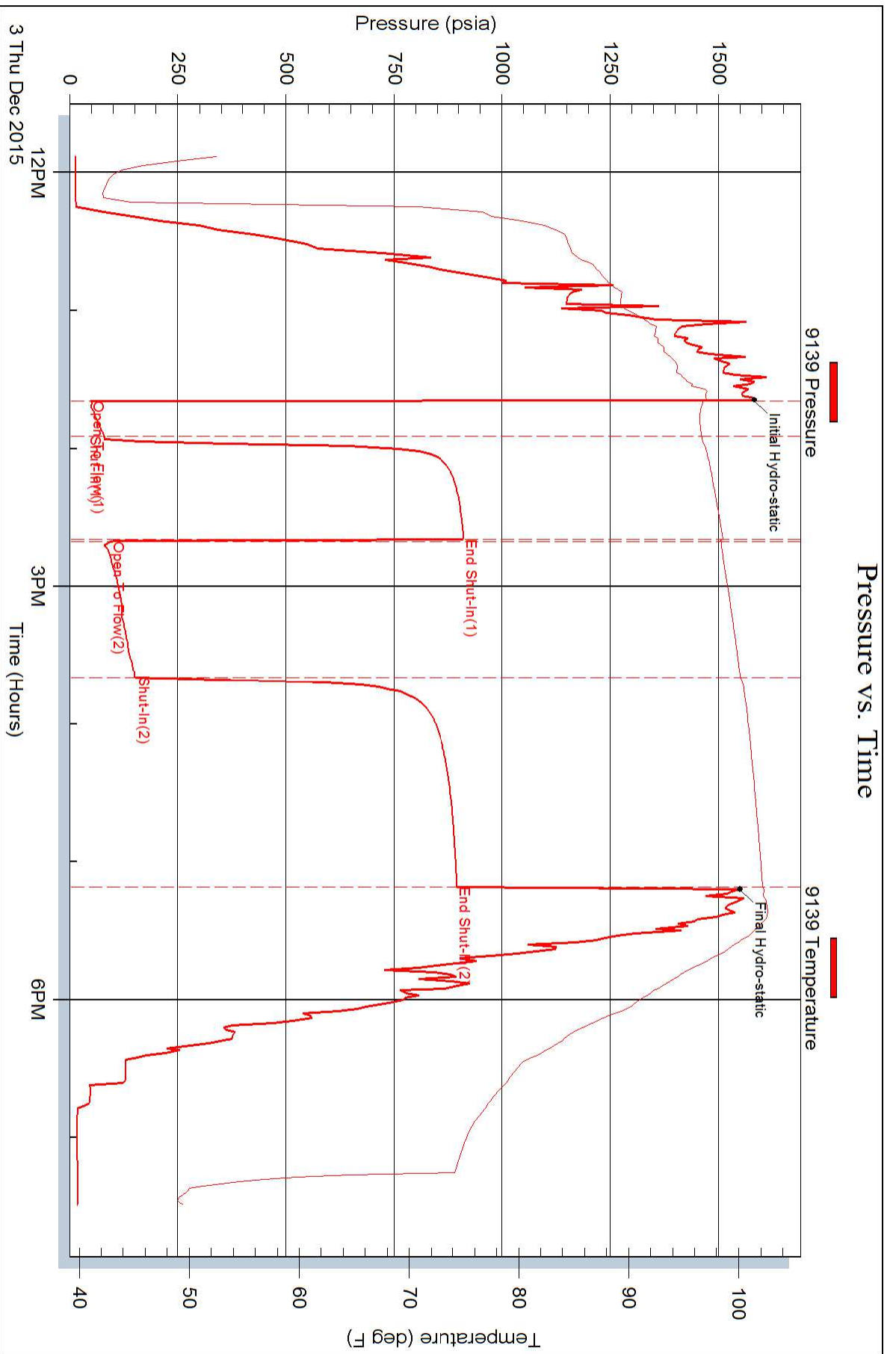
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C.**

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

ATTN: JEREMY SCHWARTZ

L S UNIT 1-15

15-18S-14W BARTON

Start Date: 2015.12.04 @ 18:12:00

End Date: 2015.12.04 @ 00:00:00

Job Ticket #: 01201 DST #: 2

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.12.04 @ 22:26:22



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01201

DST#: 2

ATTN: JEREMY SCHWARTZ

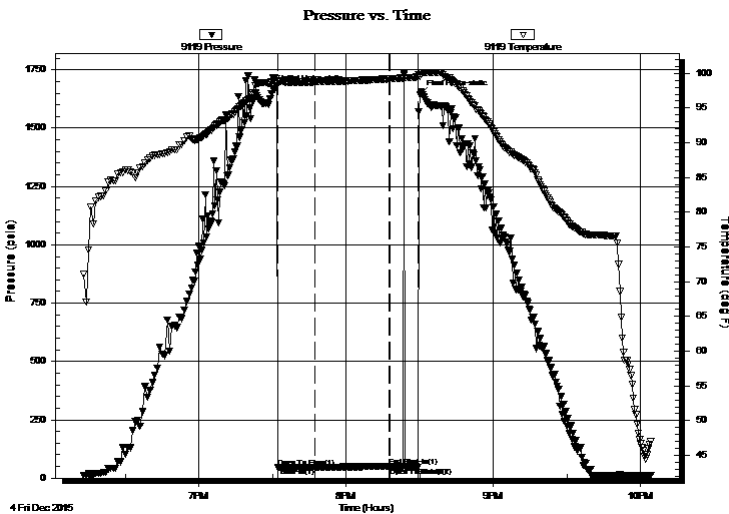
Test Start: 2015.12.04 @ 18:12:00

GENERAL INFORMATION:

Formation: **KANSAS CITY 'H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:32:00
 Time Test Ended: 00:00:00
 Interval: **3294.00 ft (KB) To 3334.00 ft (KB) (TVD)**
 Total Depth: 3334.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: GENE BUDIG
 Unit No: 1
 Reference Elevations: 1934.00 ft (KB)
 1923.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 9119 Inside
 Press@RunDepth: 50.47 psia @ 3329.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.12.04 End Date: 2015.12.04 Last Calib.: 2015.12.04
 Start Time: 18:13:00 End Time: 22:04:00 Time On Btm: 2015.12.04 @ 19:31:00
 Time Off Btm: 2015.12.04 @ 20:30:00

TEST COMMENT: 1ST OPENING 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED
 1ST SHUT-IN 30 MINUTES NO BLOW BACK
 2ND OPENING 13 MINUTES- NO BLOW FLUSHED TOOL GOOD SURGE NO HELP CAME OUT OF THE
 HOLE NO FINAL SHUT-IN TAKEN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1666.23	99.29	Initial Hydro-static
1	47.50	98.88	Open To Flow (1)
16	46.96	98.76	Shut-In(1)
47	50.47	99.19	End Shut-In(1)
47	48.35	99.20	Open To Flow (2)
58	47.03	99.45	Shut-In(2)
59	1644.97	99.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SLIGHTLY OIL CUT MUD 10 OIL 90 MUD	0.02

Gas Rates

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



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01201

DST#: 2

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.04 @ 18:12:00

GENERAL INFORMATION:

Formation: **KANSAS CITY 'H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:32:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: 3294.00 ft (KB) To 3334.00 ft (KB) (TVD)

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3334.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 9139 Outside

Press@RunDepth: 50.00 psia @ 3329.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.12.04

End Date: 2015.12.04

Last Calib.: 2015.12.04

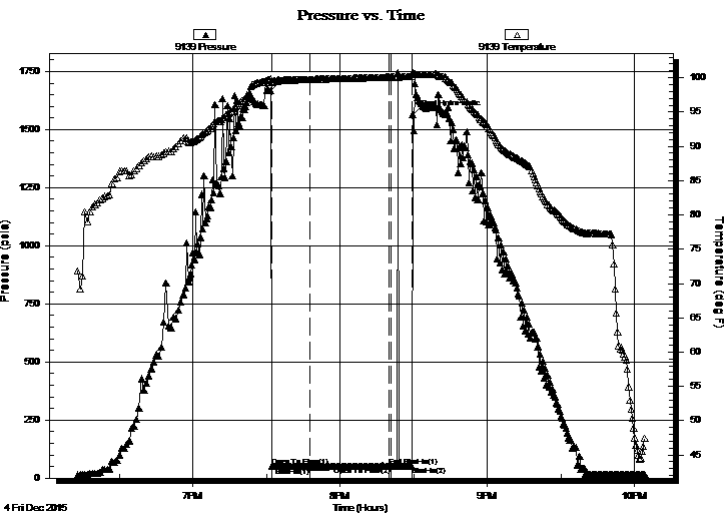
Start Time: 18:13:00

End Time: 22:04:00

Time On Btm: 2015.12.04 @ 19:31:30

Time Off Btm: 2015.12.04 @ 20:29:30

TEST COMMENT: 1ST OPENING 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED
1ST SHUT-IN 30 MINUTES NO BLOW BACK
2ND OPENING 13 MINUTES- NO BLOW FLUSHED TOOL GOOD SURGE NO HELP CAME OUT OF THE HOLE NO FINAL SHUT-IN TAKEN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1666.88	99.81	Initial Hydro-static
1	51.68	99.34	Open To Flow (1)
16	48.55	99.75	Shut-In(1)
49	50.00	100.10	End Shut-In(1)
49	49.99	100.10	Open To Flow (2)
58	50.94	100.23	Shut-In(2)
58	1565.38	100.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SLIGHTLY OIL CUT MUD 10 OIL 90 MUD	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01201

DST#: 2

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.04 @ 18:12:00

Tool Information

Drill Pipe:	Length: 3064.00 ft	Diameter: 3.80 inches	Volume: 42.98 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 44.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3294.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	69.00 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			3270.00	
Hydraulic tool	5.00			3275.00	
Jars	7.00			3282.00	
Safety Joint	2.00		Fluid	3284.00	
Top Packer	5.00			3289.00	
Packer	5.00			3294.00	29.00 Bottom Of Top Packer
Anchor	35.00			3329.00	
Recorder	0.00	9119	Inside	3329.00	
Recorder	0.00	9139	Outside	3329.00	
Bullnose	5.00			3334.00	40.00 Anchor Tool
Total Tool Length:	69.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01201

DST#: 2

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.04 @ 18:12:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 5300.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SLIGHTLY OIL CUT MUD 10 OIL 90 MUD	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

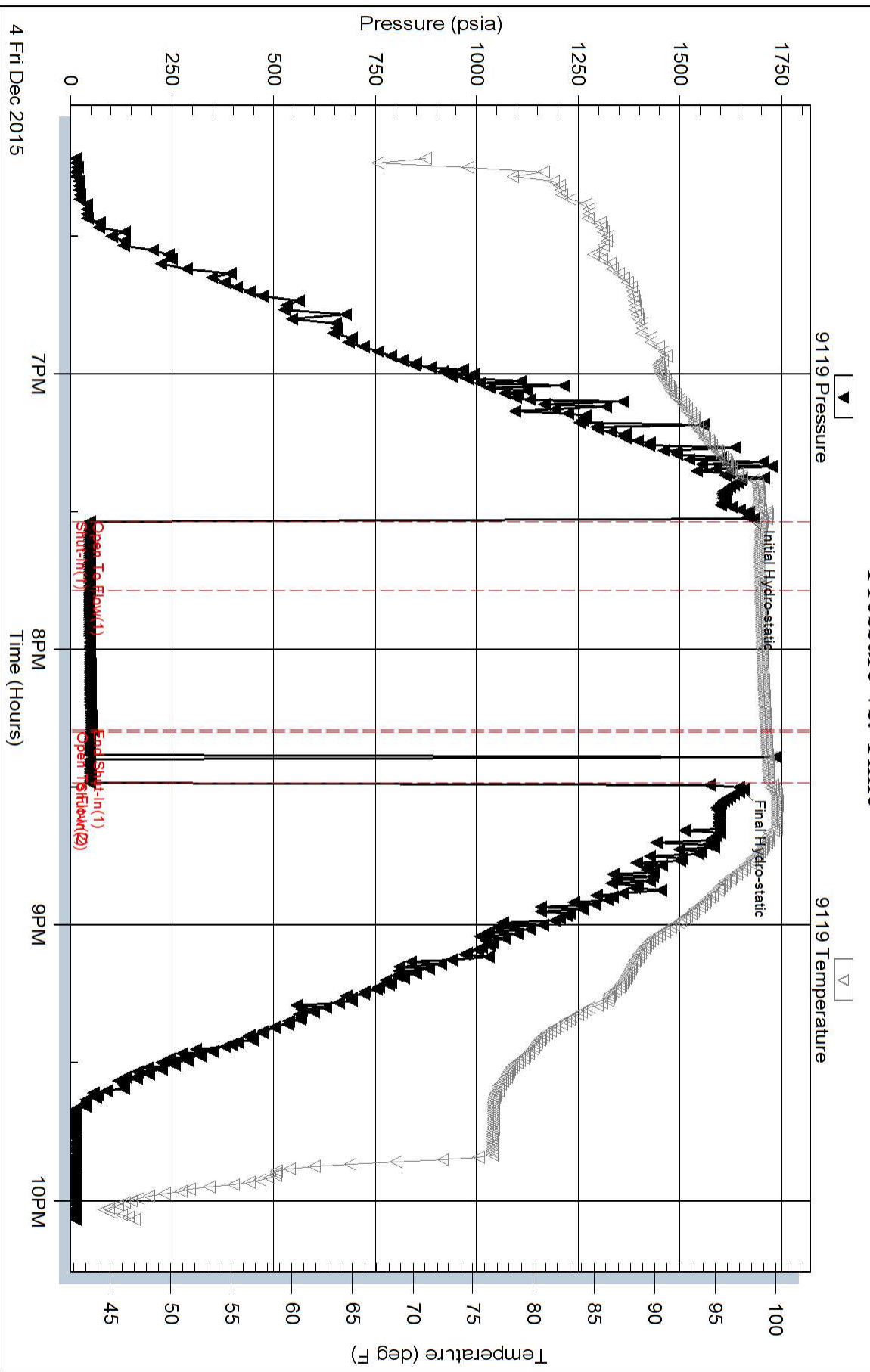
Serial #:

Laboratory Name:

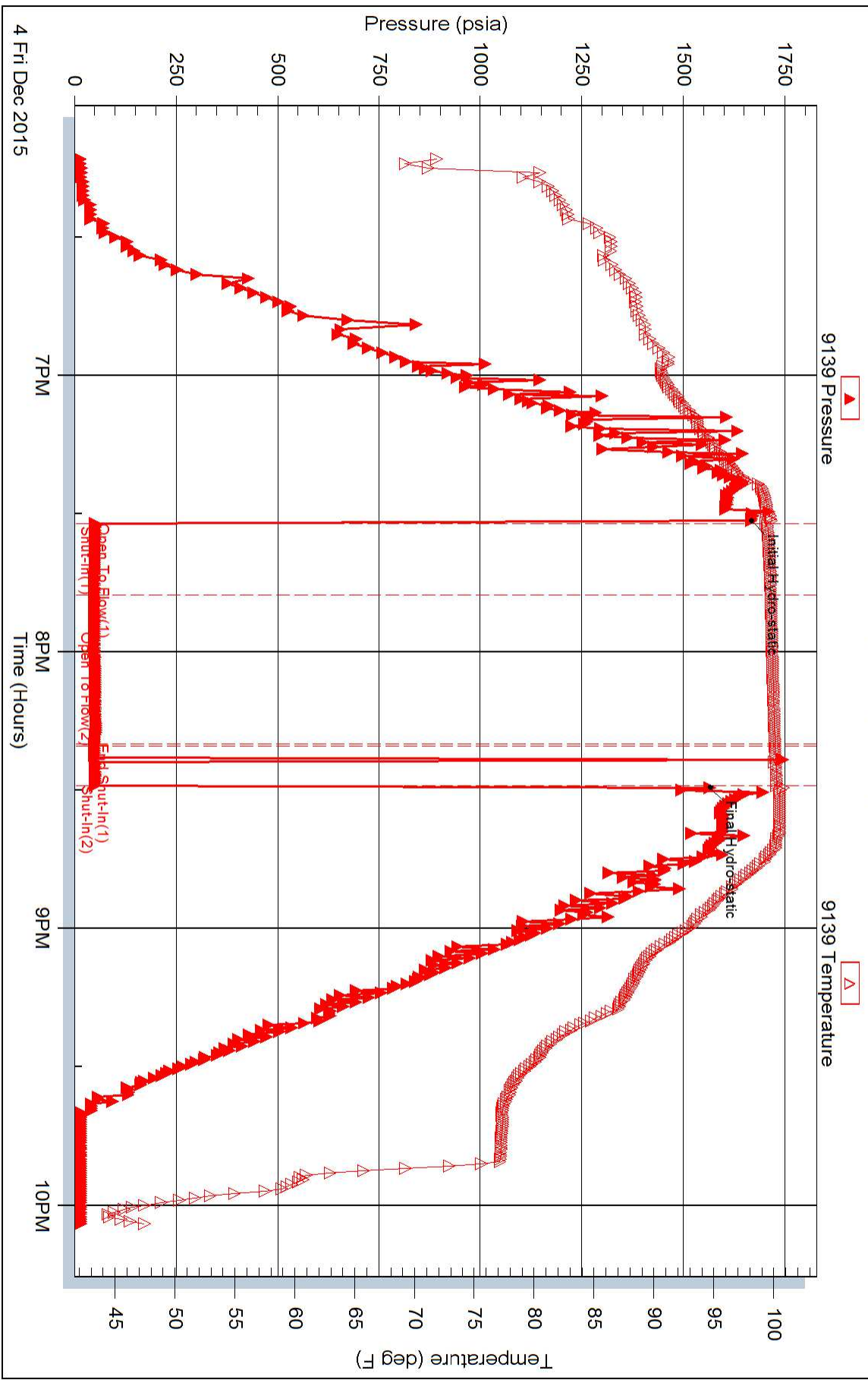
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES L.L.C.**

621 17 th STREET SUITE 1155
DENVER,COLORADO 80293

ATTN: JEREMY SCHWARTZ

L S UNIT 1-15

15-18S-14W BARTON

Start Date: 2015.12.05 @ 06:43:00

End Date: 2015.12.05 @ 02:19:00

Job Ticket #: 01202 DST #: 3

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.12.05 @ 14:39:45



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01202

DST#: 3

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.05 @ 06:43:00

GENERAL INFORMATION:

Formation: **KANSAS CITY K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:56:00

Time Test Ended: 02:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3366.00 ft (KB) To 3384.00 ft (KB) (TVD)**

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3384.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 9139

Outside

Press@RunDepth: 349.19 psia @ 3379.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.12.05

End Date: 2015.12.05

Last Calib.: 2015.12.05

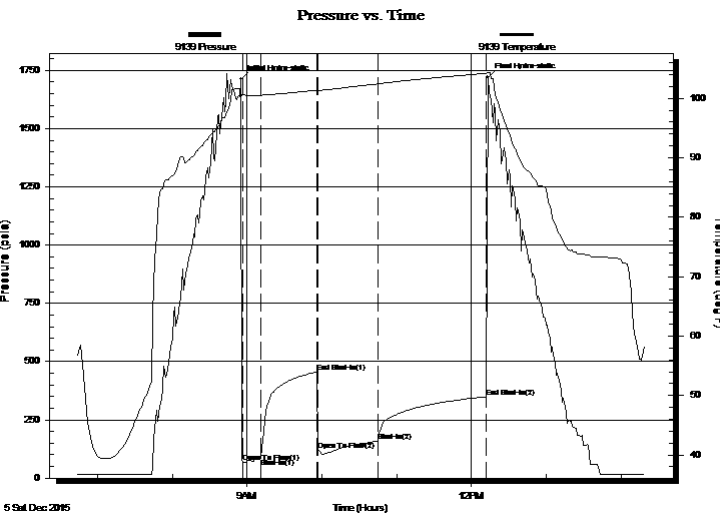
Start Time: 06:43:00

End Time: 14:19:00

Time On Btm: 2015.12.05 @ 08:55:00

Time Off Btm: 2015.12.05 @ 12:13:00

TEST COMMENT: 1ST FLOW 15 MINUTES GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
1ST SHUT-IN 45 MINUTES GOOD BLOW BACK
2ND OPENING 45 MINUTES GOOD BLOW BOTTOM OF A 5 GALLON BIUCKET IN 3 MINUTE
2ND SHUT-IN 90 MINUTES- GOOD BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1710.46	101.22	Initial Hydro-static
2	69.94	100.65	Open To Flow (1)
16	83.22	100.53	Shut-In(1)
61	455.53	101.40	End Shut-In(1)
63	118.05	101.34	Open To Flow (2)
111	158.71	102.46	Shut-In(2)
197	349.19	104.22	End Shut-In(2)
198	1719.18	104.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SLIGHTLY MUD CUT GASSY OIL	0.89
0.00	10 GAS 75 OIL 15 MUD	0.00
180.00	CLEAN GASSY OIL 20 GAS 80 OIL	2.25
0.00	GRAVITY 44 CORRECTED	0.00

Gas Rates

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



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01202

DST#: 3

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.05 @ 06:43:00

GENERAL INFORMATION:

Formation: **KANSAS CITY K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:56:00

Time Test Ended: 02:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3366.00 ft (KB) To 3384.00 ft (KB) (TVD)**

Reference Elevations: 1934.00 ft (KB)

Total Depth: 3384.00 ft (KB) (TVD)

1923.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 9119

Inside

Press@RunDepth: 344.36 psia @ 3379.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.12.05

End Date:

2015.12.05

Last Calib.:

2015.12.05

Start Time: 06:43:00

End Time:

14:19:00

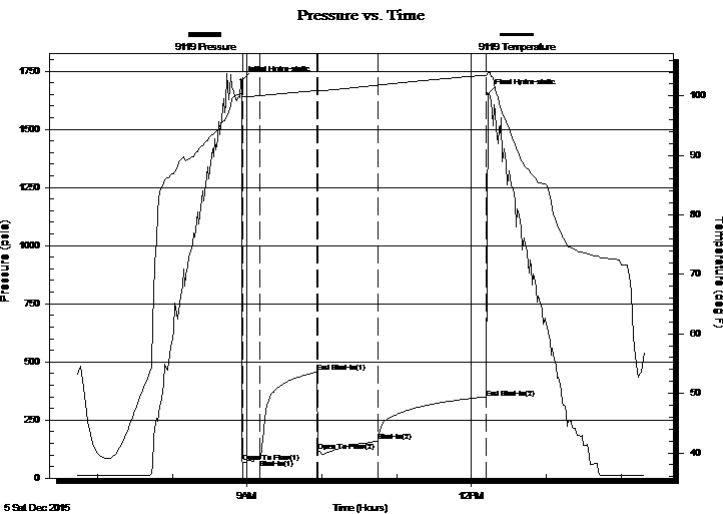
Time On Btm:

2015.12.05 @ 08:55:30

Time Off Btm:

2015.12.05 @ 12:13:00

TEST COMMENT: 1ST FLOW 15 MINUTES GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
1ST SHUT-IN 45 MINUTES GOOD BLOW BACK
2ND OPENING 45 MINUTES GOOD BLOW BOTTOM OF A 5 GALLON BIUCKET IN 3 MINUTE
2ND SHUT-IN 90 MINUTES- GOOD BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1710.23	100.33	Initial Hydro-static
1	67.88	99.95	Open To Flow (1)
15	82.82	100.02	Shut-In(1)
61	456.39	100.92	End Shut-In(1)
62	117.74	100.84	Open To Flow (2)
110	159.32	101.80	Shut-In(2)
197	344.36	103.49	End Shut-In(2)
198	1652.47	103.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SLIGHTLY MUD CUT GASSY OIL	0.89
0.00	10 GAS 75 OIL 15 MUD	0.00
180.00	CLEAN GASSY OIL 20 GAS 80 OIL	2.25
0.00	GRAVITY 44 CORRECTED	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01202

DST#: 3

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.05 @ 06:43:00

Tool Information

Drill Pipe:	Length: 3160.00 ft	Diameter: 3.80 inches	Volume: 44.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 45.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3366.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	47.00 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			3342.00	
Hydraulic tool	5.00			3347.00	
Jars	7.00			3354.00	
Safety Joint	2.00		Fluid	3356.00	
Top Packer	5.00			3361.00	
Packer	5.00			3366.00	29.00 Bottom Of Top Packer
Anchor	13.00			3379.00	
Recorder	0.00	9119	Inside	3379.00	
Recorder	0.00	9139	Outside	3379.00	
Bullnose	5.00			3384.00	18.00 Anchor Tool
Total Tool Length:	47.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01202

DST#: 3

ATTN: JEREMY SCHWARTZ

Test Start: 2015.12.05 @ 06:43:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 62.00 sec/qt
Water Loss: 8.80 in³
Resistivity: ohm.m
Salinity: 6500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: 44 deg API
Water Salinity: ppm

Recovery Information

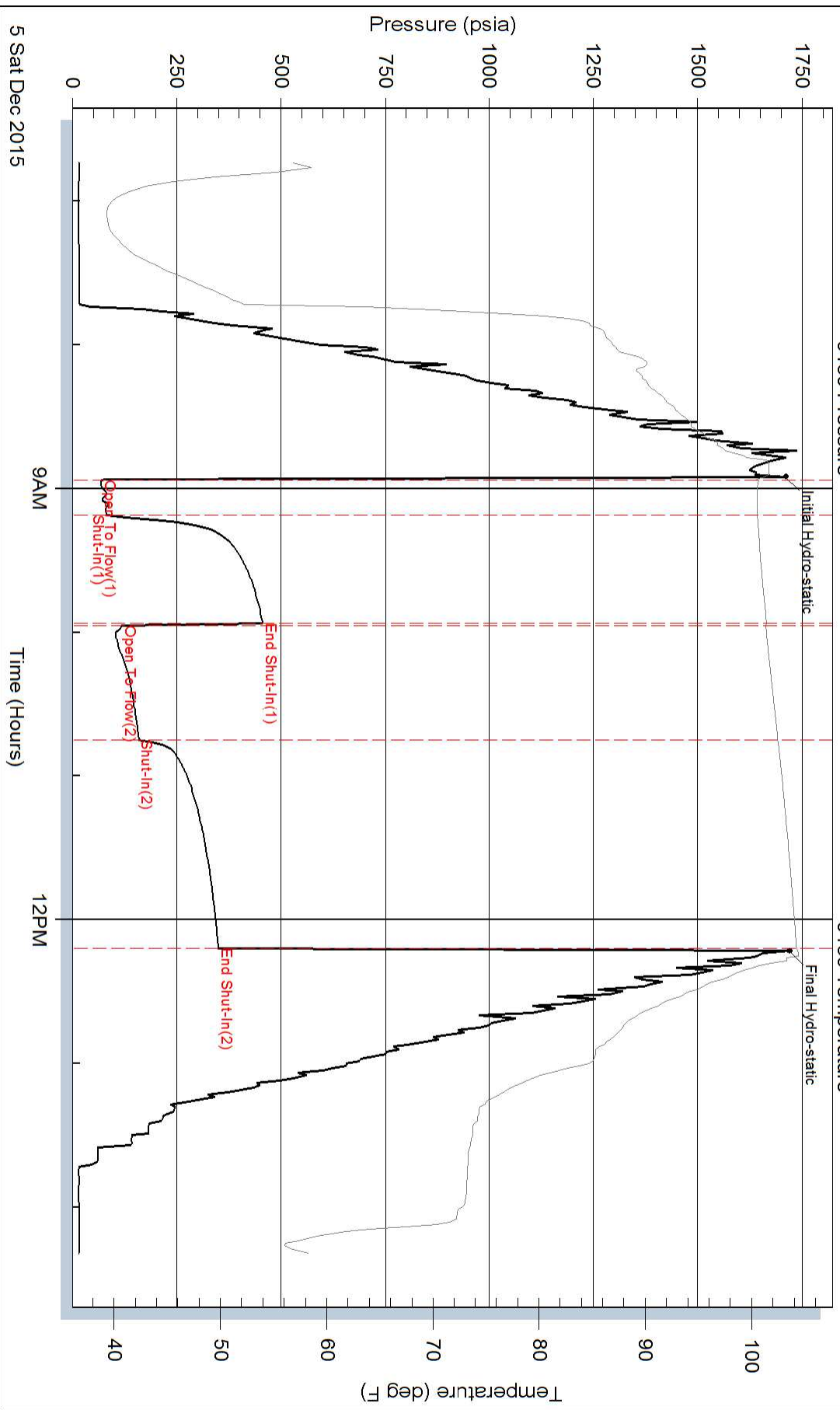
Recovery Table

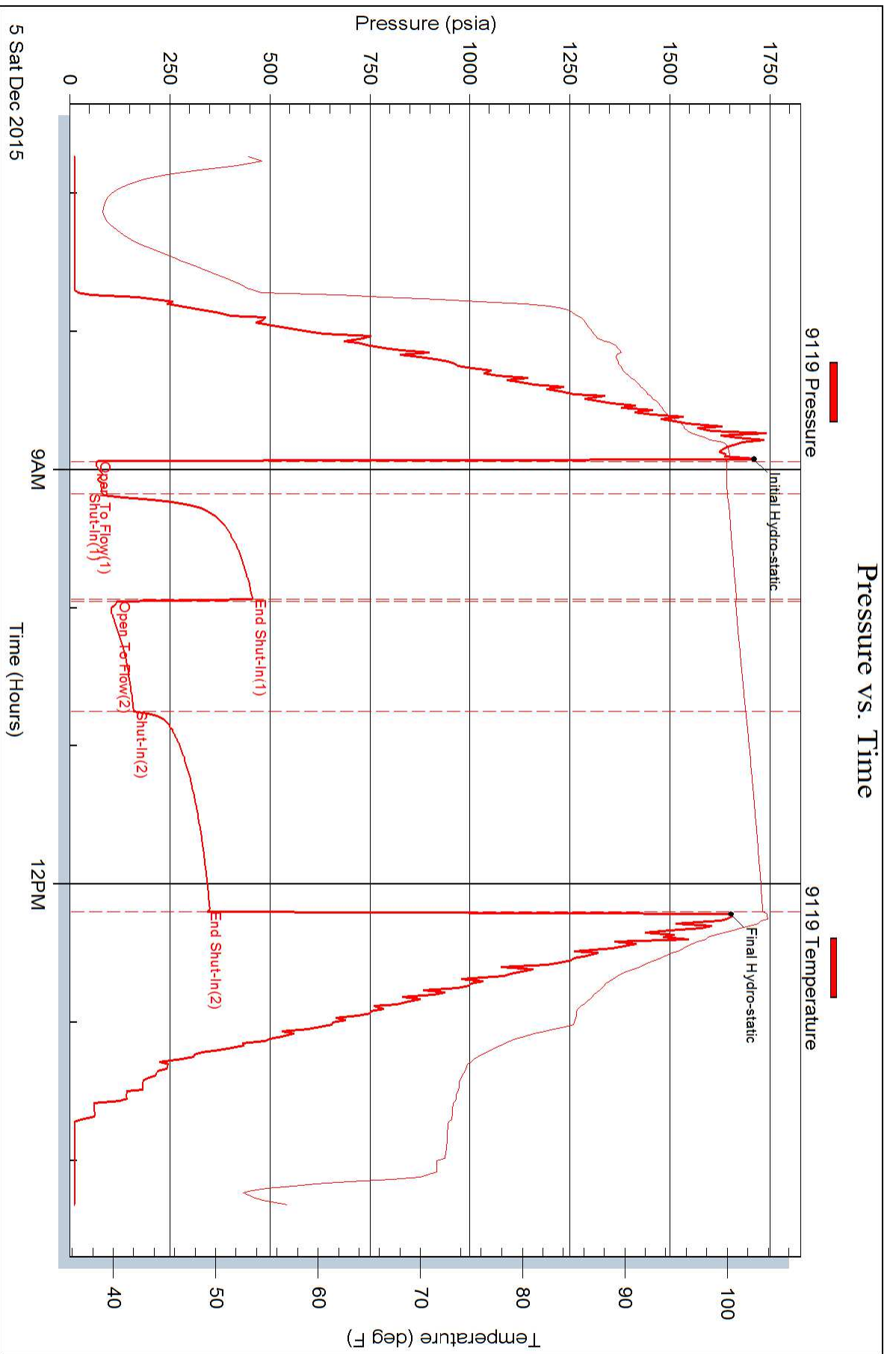
Length ft	Description	Volume bbl
180.00	SLIGHTLY MUD CUT GASSY OIL	0.885
0.00	10 GAS 75 OIL 15 MUD	0.000
180.00	CLEAN GASSY OIL 20 GAS 80 OIL	2.252
0.00	GRAVITY 44 CORRECTED	0.000

Total Length: 360.00 ft Total Volume: 3.137 bbl

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

Pressure vs. Time







Scale 1:240 Imperial

Well Name: LS Unit #1-15
 Surface Location: 1740' FNL, 2600' FEL, Sec. 15-18S-14W
 Bottom Location:
 API: 15-009-26134-0000
 License Number:
 Spud Date: 11/30/2015 Time: 2:15 PM
 Region: Barton County
 Drilling Completed: 12/6/2015 Time: 10:00 AM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1923.00ft
 K.B. Elevation: 1934.00ft
 Logged Interval: 2800.00ft To: 3560.00ft
 Total Depth: 3560.00ft
 Formation: Lansing Kansas City
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC
 Address: 445 Union Blvd, Suite 208
 Lakewood, CO 80228
 Contact Geologist: Janine Sturdavant
 Contact Phone Nbr: 303-907-2209 / 720-274-4682
 Well Name: LS Unit #1-15
 Location: 1740' FNL, 2600' FEL, Sec. 15-18S-14W
 API: 15-009-26134-0000
 Pool:
 State: Kansas Field: Boyd Crossing
 Country: USA

LOGGED BY



Company: Shelby Resources, LLC
 Address: 445 UNION BLVD. Suite 208
 LAKEWOOD, CO. 80228
 Phone Nbr: 203-671-6034
 Logged By: Geologist Name: Jeremy Schwartz

NOTES

The Shelby Resources, LLC LS Unit #1-15 was drilled to a total depth of 3560', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Three DST's were conducted throughout the Lansing-Kansas City. The DST Reports can be found at the bottom of this log.





Due to negative DST Results, sample shows, gas kicks, and log analysis it was determined by all parties involved that the well is not commercially productive and was plugged and abandoned. The dry samples were saved and will be available for further review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

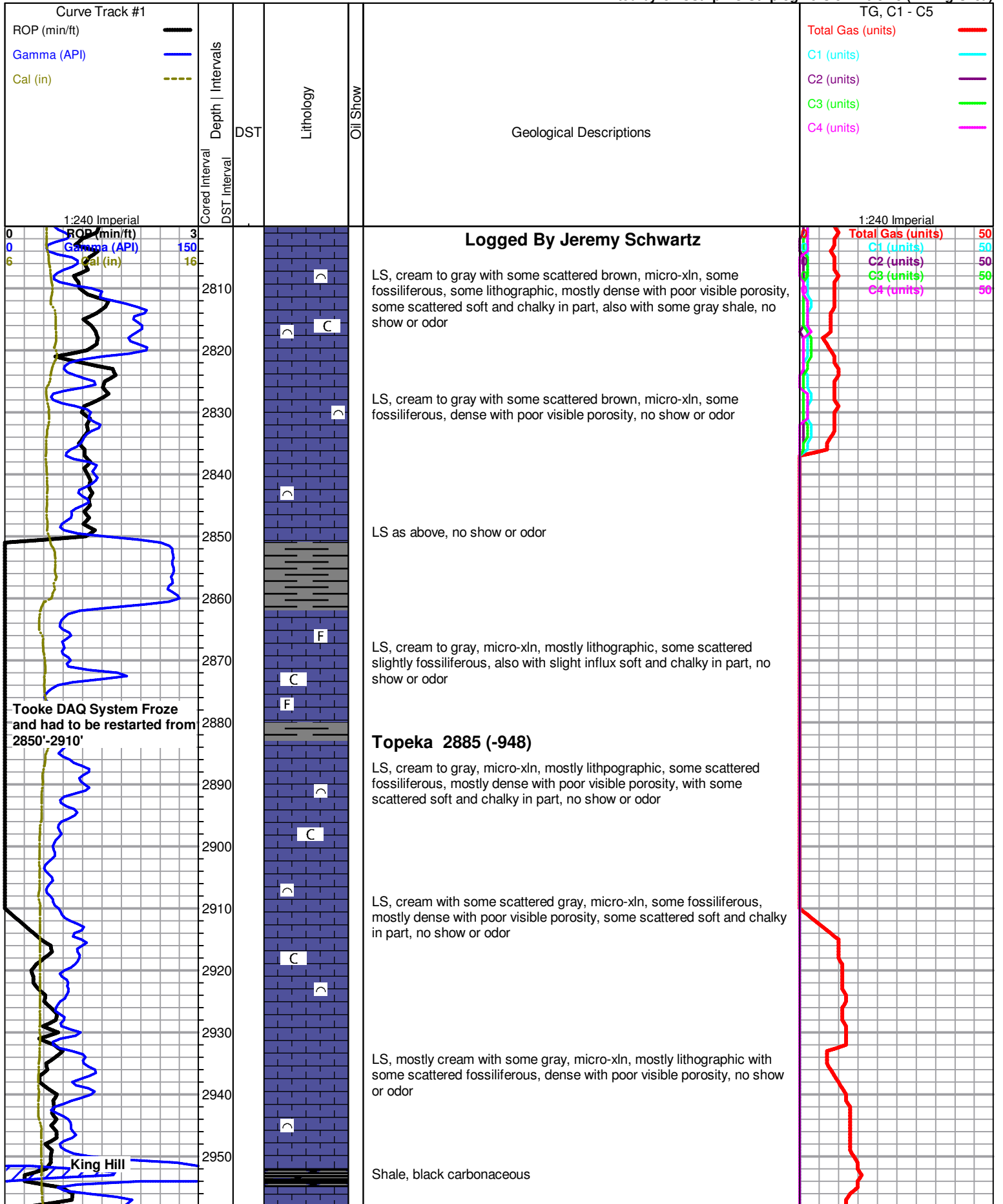
NOTE: The log tops are 3-4' higher than the drill time/sample tops so all DST's should be moved up accordingly

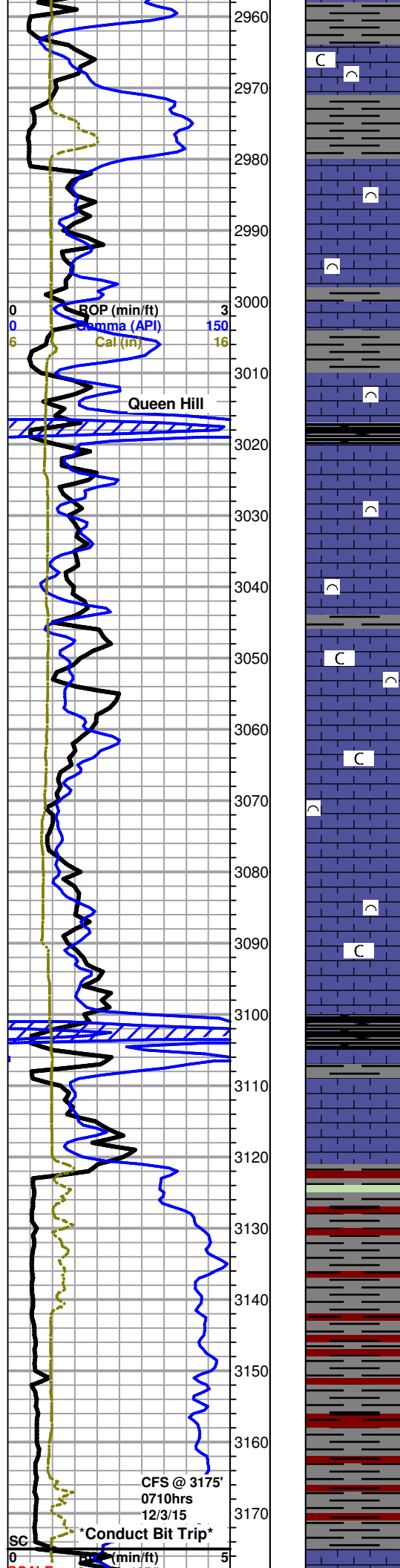
Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor: Studier Drilling Co.

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





LS, cream to white with some scattered gray and brown, micro-xln with some scattered crypto-xln, some fossiliferous, dense with poor visible porosity, with some scattered soft and chalky in part, no show or odor

LS, cream to gray, micro-xln, fossiliferous and dense with poor visible porosity, no show or odor

LS as above, no show or odor

Shale, black carbonaceous

LS, cream to gray, micro-xln, fossiliferous and dense with poor visible porosity, no show or odor

LS, cream to white with some scattered gray, micro-xln, some lithographic, some fossiliferous, dense with poor visible porosity, also with some scattered soft and chalky in part, no show or odor

LS as above, slightly chalky, no show or odor

LS, mostly cream with some scattered white and gray, micro-xln, mostly lithographic with some scattered slightly fossiliferous, some soft and chalky in part, no show or odor

Heebner 3100 (-1163)

Shale, black carbonaceous

Toronto 3110 (-1173)

LS, cream to white with some very scattered light gray, micro-xln, mostly lithographic with some scattered slightly fossiliferous, dense with poor visible porosity, no show or odor

Douglas Shale 3122 (-1185)

Shale, mostly gray with some scattered red and trace green, mostly soft and waxy, some blocky and dense, some silty

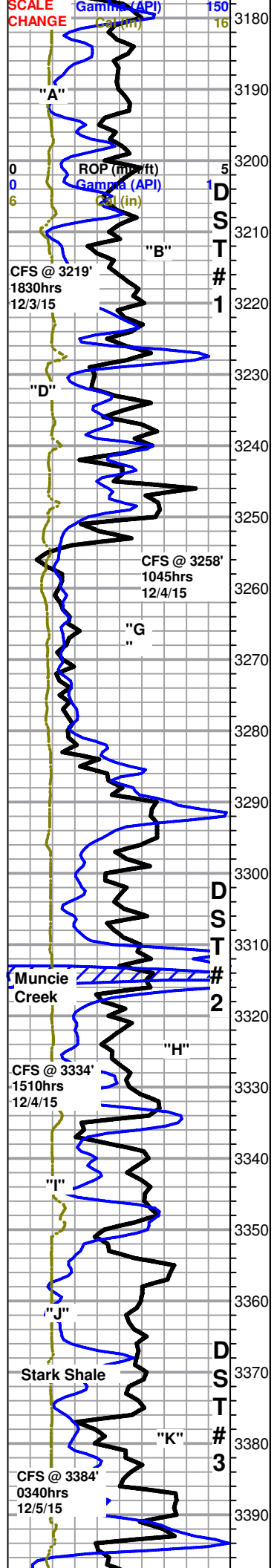
Shale as above, with slight influx red

Brown Lime 3175 (-1238)

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

0	Total Gas (units)	50
0	C1 (units)	50
0	C2 (units)	50
0	C3 (units)	50
0	C4 (units)	50

Mud-Co Mud chk	3219'
----------------	-------



Lansing 3183 (-1246)

LS, cream, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, no show or odor

LS as above, with some very scattered soft and chalky in part, no show or odor

L S UNIT dst 1.jpg

3219' 30" LS, cream, micro-xln, mostly lithographic, some scattered slightly fossiliferous, mostly dense with poor visible porosity, with some very scattered (<5%) with few small edge vugs to slightly vuggy porosity and light golden brown to brown stain mostly in and around porosity only, few chips also with few small gas bubbles in porosity as well, slight to fair show free oil upon break in some chips, fair fleeting odor

3219' 60" Mostly same as above, with shows making up <5-10% of tray, fair odor

LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, few chips with one to two small vugs and poor black stain inside porosity only, NSFO, poor fleeting odor

LS, mostly same as above with slight influx (<5% of tray) chips with slightly vuggy edges and stain in porosity as above, VSSFO in tray, no fluor., fair odor

3258' 30" LS, cream to white, micro-xln, some lithographic and dense with poor visible porosity, some sub-oomoldic to oomoldic with poor to fair visible oomold porosity, some chips with very scattered to scattered stain in porosity only, few chips with fair to mostly saturated stain in and around porosity, upon break SSFO and fair visible inter-xln porosity, no fluor., SSFO in tray, fairly chalky, good odor

3258' 60" LS as above, with slightly less shows than above, accounting for <15% of tray, NSFO, no fluor., very chalky, good odor

LS, cream to white, micro-xln, some lithographic and dense with poor visible porosity, some sub-oomoldic to oomoldic, mostly poor visible oomold porosity, some very scattered with poor to fair visible porosity and very scattered to scattered poor stain in and around porosity only, VSSFO upon break in few chips, no fluor., very chalky, fair fleeting odor

LS, cream, micro-xln, mostly sub-oomoldic and dense with poor visible porosity, very chalky, no fluor., show or odor

LS, cream to gray, micro-xln, some lithographic, some sub-oolitic to sub-oomoldic, dense with poor visible porosity, no show, fluor. or odor

LS, cream with influx gray and brown, lithographic and dense with no visible porosity, no show or odor

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

L S UNIT dst 2.jpg

Shale, black carbonaceous

3334' 30" LS, cream with some gray and brown, lithographic and dense with no visible porosity, found 2 chips with few small edge vugs and black stain inside vugs, overall poor visible porosity, NSFO, no fluor., no odor

3334' 60" LS, cream to gray with some scattered brown, micro-xln, mostly lithographic and dense with no visible porosity, barren, few chips with one to two edge vugs and black stain in vugs only, few chips also sub-oolitic to sub-oomoldic with mostly poor visible oomold porosity, with scattered to very scattered weak dark brown to black stain in and around oomolds as well as several gas bubbles in oomolds, no fluor., or odor

~3340' LS, cream with some scattered light gray, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, no show or odor

~3350' LS as above, no show or odor

LS, mostly cream with some scattered gray, micro-xln, lithographic and dense with poor visible porosity, no show or odor

3384' 30" LS, cream to white, micro-xln, some lithographic and dense with poor visible porosity, some soft and chalky, some scattered chips slightly vuggy with poor to fair visible porosity and scattered fair black to tarry black stain in and around porosity, NSFO, some scattered yellow fluor., slight show gas bubbles in tray as well as in porosity in some chips, chalky, fair odor

3384' 60" Mostly same as above, with slightly less shows and fluor., less chalky, NSFO, fair fleeting odor

L S UNIT dst 3.jpg

BKC 3394 (-1457)

Mostly gray and red shale with trace green

12/4/15
Vis: 56 Wt: 9.2
PV: 18 YP: 16
WL: 7.2
Cake: 2/32
pH: 9.0
Ca: 40ppm
CHL: 5,300ppm
Sol: 6.1
LCM: 1/2

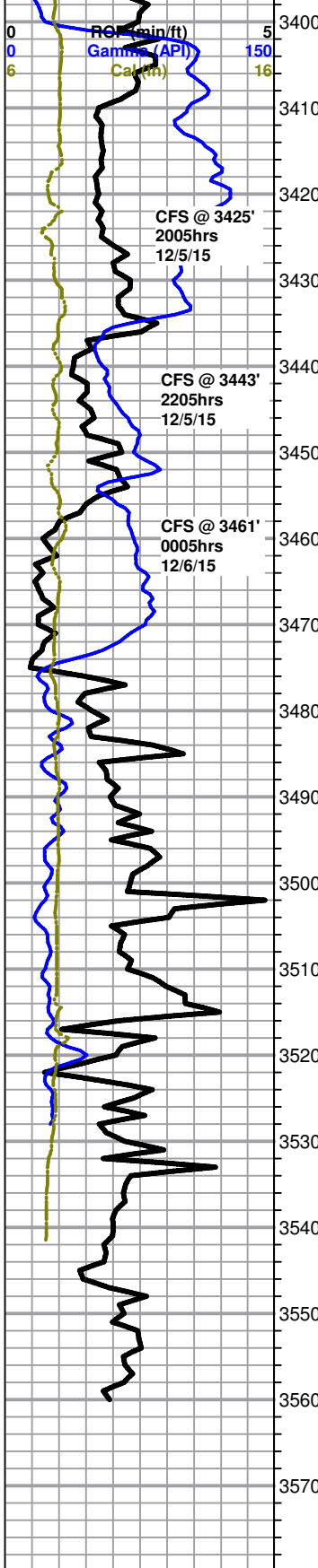
Total DMC: \$221.17
CMC: \$7290.50

C2 (units) 50
C3 (units) 50
C4 (units) 50

SCALE CHANGE (units) 120
C1 (units) 120
C2 (units) 120
C3 (units) 120
C4 (units) 120

Mud-Co Mud chk
3384'
12/5/15
Vis: 62 Wt: 9.3
PV: 19 YP: 21
WL: 8.8
Cake: 2/32
pH: 11.0
Ca: 40ppm
CHL: 6,500ppm
Sol: 6.7 LCM: 1/2
DMC: \$328.01
CMC: \$7618.51

SCALE CHANGE (units) 275
High (units) 275
Background (units) 275
Due to Trip Gas (units) 275
from DST #3 (units) 275



Mixed cream to gray LS with scattered gray and red shales with trace green, with some scattered orange to red and tan to opaque cherts, also found a few sand clusters, clear to reddish-brown, sub-rounded to sub-angular, poorly sorted, fairly friable, barren, red wash, no show or odor

3425' 30" Mixed cream to gray LS with some scattered red and gray shales with trace green, with some very scattered orange to red and tan to opaque cherts, red wash, no show or odor

3425' 60" Conglomerate as above, red wash. no show or odor

3443' 30" Mixed LS, shales, and some scattered cherts, red wash, no show or odor

3443' 60" Conglomerate as above, found one sand cluster, clear to light brown, sub-rounded and fairly well sorted, friable, with some very scattered staining on some grains, some scattered loose grains in bottom of tray, with some very scattered pyrite, sample washes red, NSFO, no fluor., or odor

3461' 30" Conglomerate as above, with some very scattered dolomite, white, micro-med xln, sub-rhombic and fairly friable with poor visible porosity, with some scattered to very scattered dead black gilsonitic staining, NSFO in tray or upon break, no odor

3461' 60" Dolomite as above, with some scattered to very scattered dead black gilsonitic staining, no odor

Arbuckle 3473 (-1539)

Dolomite, white, micro-xln, sub-sucrosic and dense with poor visible porosity, some fairly friable, no show or odor

Dolomite as above, no show or odor

Dolomite, cream to white, micro-xln, sub-sucrosic and dense with poor visible porosity, some fairly friable, slightly chalky, no show or odor

Dolomite as above, slightly chalky, no show or odor

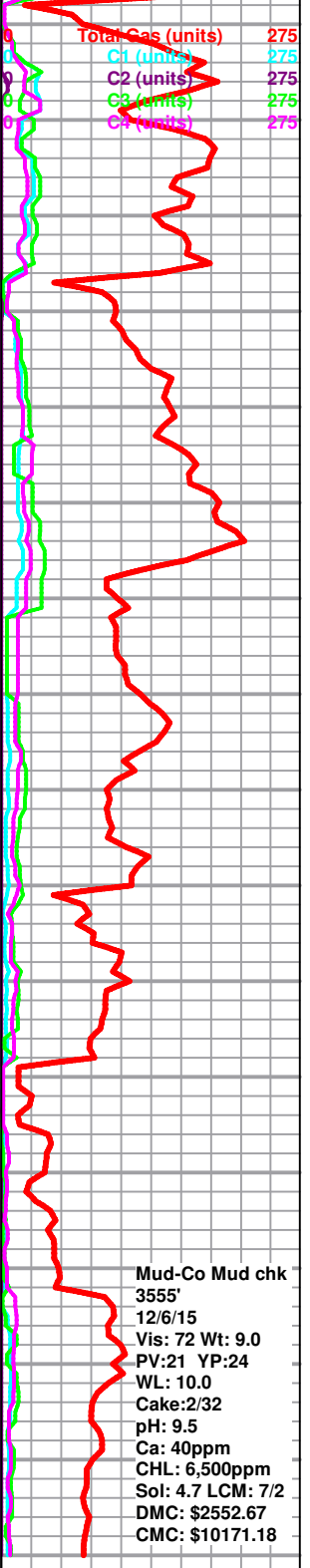
Dolomite, cream to white, micro-xln, sub-sucrosic and dense with poor visible porosity, slightly chalky, no show or odor

Dolomite as above, slightly chalky, no show or odor

Dolomite, cream to white, micro-xln, sub-sucrosic and dense with poor visible porosity, with some very scattered light brown to cream, sub-rhombic, no show or odor

Dolomite as above, no show or odor

Dolomite, cream to white, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, with some very scattered sub-rhombic, slightly chalky, no show or odor



Mud-Co Mud chk
 3555'
 12/6/15
 Vis: 72 Wt: 9.0
 PV:21 YP:24
 WL: 10.0
 Cake:2/32
 pH: 9.5
 Ca: 40ppm
 CHL: 6,500ppm
 Sol: 4.7 LCM: 7/2
 DMC: \$2552.67
 CMC: \$10171.18

Rotary TD 3560' @ 1000hrs 12/5/15
 Casedhole Solutions Logging TD @ 3559'
 Complete Logging Operations @ 1745hrs 12/5/15
 Geologist Jeremy Schwartz off location @ 1815hrs 12/5/15



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01200

DST#: 1

ATTN: JEREMY SCHWARTZ

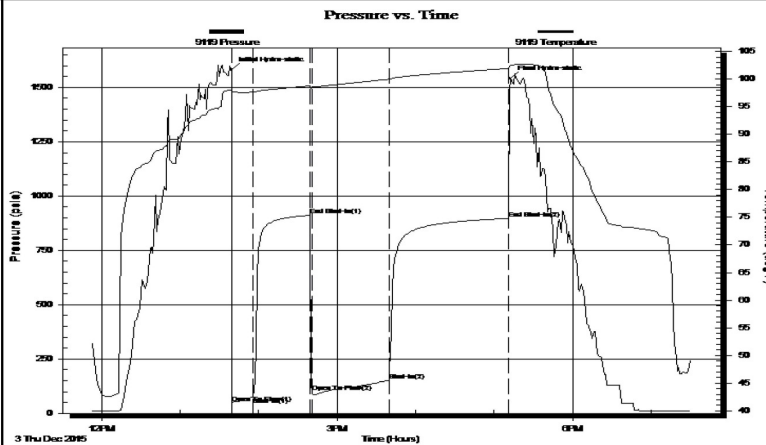
Test Start: 2015.12.04 @ 09:52:00

GENERAL INFORMATION:

Formation: **KANSAS CITY ;B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:39:00
 Time Test Ended: 19:29:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: GENE BUDIG
 Unit No: 1
 Interval: **3203.00 ft (KB) To 3219.00 ft (KB) (TVD)**
 Total Depth: 3219.00 ft (KB) (TVD)
 Reference Elevations: 1934.00 ft (KB)
 1923.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 11.00 ft

Serial #: 9119 Inside
 Press@RunDepth: 897.13 psia @ 3214.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.12.03 End Date: 2015.12.03 Last Calib.: 2015.12.04
 Start Time: 11:52:00 End Time: 19:30:00 Time On Btm: 2015.12.03 @ 13:39:00
 Time Off Btm: 2015.12.03 @ 17:12:30

TEST COMMENT: 1st OPENING 15 MINUTES GOOD BLOW BUILT TO BOTTOM OF A 5 GALLON BUCKET IN 2 1/2 MINJUTES
 1st SHUT-IN 45 MINUTE-NO BLOW BACK
 2nd OPENING 60 MINUTES GOOD BLOW BUILT TO BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
 2nd SHUT-IN 90 MINUTES-GAS TO SRFACE ON THBE 2ND SHUT-IN



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1581.67	98.04	Initial Hydro-static
1	48.10	97.31	Open To Flow (1)
18	76.36	97.63	Shut-In(1)
61	911.99	98.80	End Shut-In(1)
62	97.35	98.61	Open To Flow (2)
121	150.73	99.96	Shut-In(2)
212	897.13	101.91	End Shut-In(2)
214	1542.57	102.49	Final Hydro-static

Length (ft)	Description	Volume (bbl)
60.00	SLIGHTLY OIL CUT MUDDY WATER	2950.70
0.00	5 GAS 5 OIL 10 MUD 80 WATER	0.00
60.00	OIL AND GAS CUT MUDDY WATER	2950.70
0.00	15 GAS 40 OIL 15 MUD 30 WATER	0.00
120.00	SLIGHTLY MUD CUT GASSY OIL	4426.47
0.00	10 GAS 75 OIL 15 MUD	0.00

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

DRILL STEM TEST REPORT



SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01201

DST#: 2

ATTN: JEREMY SCHWARTZ

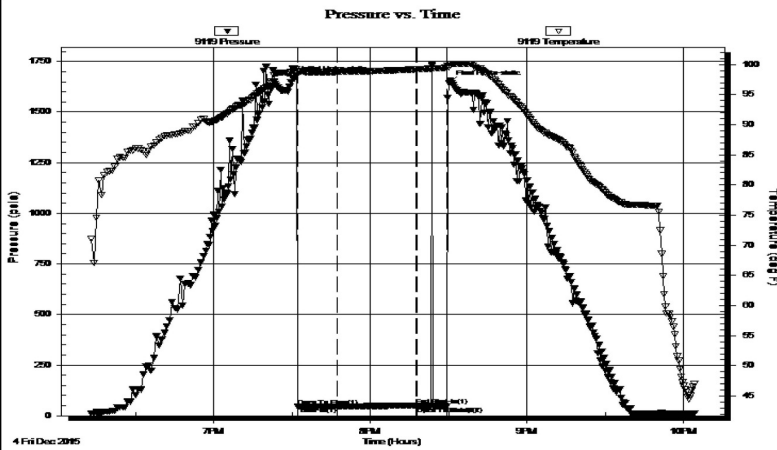
Test Start: 2015.12.04 @ 18:12:00

GENERAL INFORMATION:

Formation: **KANSAS CITY 'H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:32:00
 Time Test Ended: 00:00:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: GENE BUDIG
 Unit No: 1
 Interval: **3294.00 ft (KB) To 3334.00 ft (KB) (TVD)**
 Total Depth: 3334.00 ft (KB) (TVD)
 Reference Elevations: 1934.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 11.00 ft
 5923.00 ft (CF)

Serial #: 9119 **Inside**
 Press@RunDepth: 50.47 psia @ 3329.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.12.04 End Date: 2015.12.04 Last Calib.: 2015.12.04
 Start Time: 18:13:00 End Time: 22:04:00 Time On Btm: 2015.12.04 @ 19:31:00
 Time Off Btm: 2015.12.04 @ 20:30:00

TEST COMMENT: 1ST OPENING 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED
 1ST SHUT-IN 30 MINUTES NO BLOW BACK
 2ND OPENING 13 MINUTES- NO BLOW FLUSHED TOOL GOOD SURGE NO HELP CAME OUT OF THE
 HOLE NO FINAL SHUT-IN TAKEN



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1666.23	99.29	Initial Hydro-static
1	47.50	98.88	Open To Flow (1)
16	46.96	98.76	Shut-In(1)
47	50.47	99.19	End Shut-In(1)
47	48.35	99.20	Open To Flow (2)
58	47.03	99.45	Shut-In(2)
59	1644.97	99.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SLIGHTLY OIL CUT MUD 10 OIL 90 MUD	0.02

Gas Rates

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



DRILL STEM TEST REPORT

SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

621 17 th STREET SUITE 1155
DENVER, COLORADO 80293

L S UNIT 1-15

Job Ticket: 01202

DST#: 3

ATTN: JEREMY SCHWARTZ

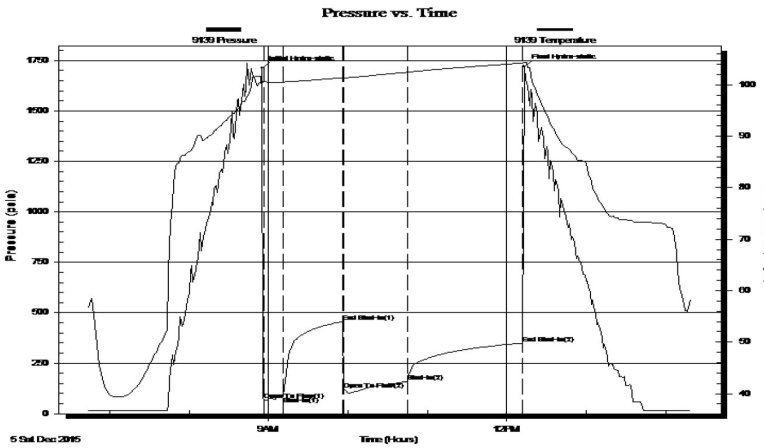
Test Start: 2015.12.05 @ 06:43:00

GENERAL INFORMATION:

Formation: **KANSAS CITY K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:56:00
 Time Test Ended: 02:19:00
 Interval: **3366.00 ft (KB) To 3384.00 ft (KB) (TVD)**
 Total Depth: 3384.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: GENE BUDIG
 Unit No: 1
 Reference Elevations: 1934.00 ft (KB)
 1923.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 349.19 psia @ 3379.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2015.12.05 End Date: 2015.12.05 Last Calib.: 2015.12.05
 Start Time: 06:43:00 End Time: 14:19:00 Time On Btm: 2015.12.05 @ 08:55:00
 Time Off Btm: 2015.12.05 @ 12:13:00

TEST COMMENT: 1ST FLOW 15 MINUTES GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
 1ST SHUT-IN 45 MINUTES GOOD BLOW BACK
 2ND OPENING 45 MINUTES GOOD BLOW BOTTOM OF A 5 GALLON BIUCKET IN 3 MINUTE
 2ND SHUT-IN 90 MINUTES- GOOD BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1710.46	101.22	Initial Hydro-static
2	69.94	100.65	Open To Flow (1)
16	83.22	100.53	Shut-In(1)
61	455.53	101.40	End Shut-In(1)
63	118.05	101.34	Open To Flow (2)
111	158.71	102.46	Shut-In(2)
197	349.19	104.22	End Shut-In(2)
198	1719.18	104.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SLIGHTLY MUD CUT GASSY OIL	0.89
0.00	10 GAS 75 OIL 15 MUD	0.00
180.00	CLEAN GASSY OIL 20 GAS 80 OIL	2.25
0.00	GRAVITY 44 CORRECTED	0.00

Gas Rates

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

QUALITY OILWELL CEMENTING, INC.

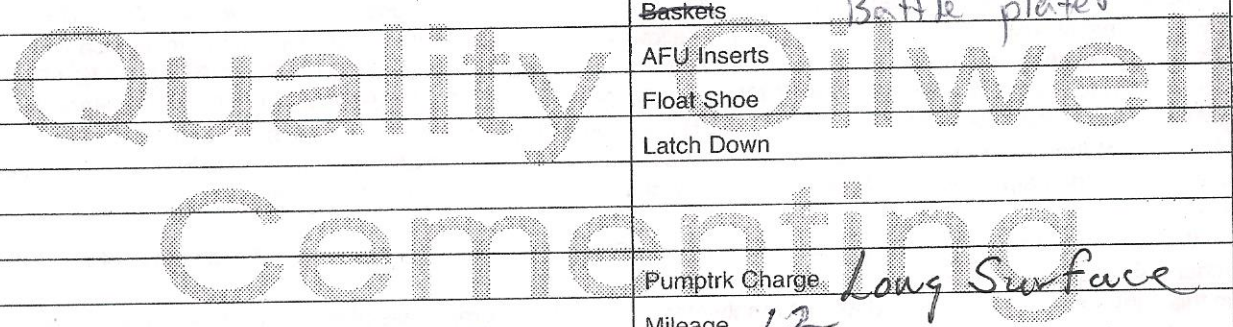
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 1303

Date	12-1-15	Sec.	15	Twp.	18	Range	14	County	Barton	State	Ks	On Location		Finish	11:45 AM	
Lease	L-S unit							Location	Boyd Elevator - 25 to 90th Rd, 1/2 W							
Well No.	1-15			Owner	Sinto											
Contractor	Sterling 4			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.												
Type Job	Surface			Charge To	Shelby Resources											
Hole Size	12 1/4"		T.D.	900'												
Csg.	8 5/8"		Depth	896'												
Tbg. Size				City	375 State											
Tool				The above was done to satisfaction and supervision of owner agent or contractor.												
Cement Left in Csg.	38'		Shoe Joint	38'		Cement Amount Ordered	450 60/40 3% CC 2% Gel									
Meas Line	Displace 54 1/2 BCS			1/2 Flow seal												
EQUIPMENT													Common	225		
Pumptrk	18	No.	Cementer	Travis			Poz. Mix	150								
			Helper				Gel.	7								
Bulktrk	19	No.	Driver	Nick			Calcium	15								
			Driver													
Bulktrk	p.u.	No.	Driver	Rick												
			Driver													
JOB SERVICES & REMARKS													Hulls			
Remarks:	Cement did Circulate												Salt			
Rat Hole													Flowseal			
Mouse Hole													Kol-Seal			
Centralizers	used 375 SKS												Mud CLR 48			
Baskets													CFL-117 or CD110 CAF 38			
D/V or Port Collar													Sand			
													Handling	397		
													Mileage			
FLOAT EQUIPMENT													Guide Shoe	1 slip on		
													Centralizer	Rubber plug		
													Baskets	Baffle plate		
													AFU Inserts			
													Float Shoe			
													Latch Down			
													Pumptrk Charge	Long Surface		
													Mileage	12		
													Tax			
													Discount			
													Total Charge			
X Signature	Terry S. Salgado															



Customer <i>Shirley Ross</i>		Lease No.		Date	
Lease <i>15-117</i>		Well # <i>1-5</i>		<i>12-7-15</i>	
Field Order #	Station <i>P-4</i>	Casing <i>2 1/2"</i>	Depth	County <i>Pratt</i>	State <i>KS</i>
Type Job <i>NEW P-T-A</i>			Formation	Legal Description <i>15-17-14</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>Don Self</i>	Treater <i>Robert J. ...</i>
-------------------------	---------------------------------	------------------------------

Service Units	<i>7200</i>	<i>28982</i>	<i>96779</i>	<i>70959</i>	<i>73768</i>				
Driver Names	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>13:4</i>					<i>...</i>
<i>2:00</i>					<i>Set surface Plug @ 3453' to 1 1/2"</i>
<i>3:30</i>			<i>4</i>		<i>...</i>
<i>4:00</i>			<i>5</i>		<i>...</i>
<i>4:30</i>			<i>20</i>		<i>...</i>
<i>4:50</i>			<i>4</i>		<i>TOP all 40' w/ 10st</i>
<i>5:10</i>			<i>7</i>		<i>Plug all w/ 20</i>
					<i>TOP complete</i>
					<i>Back 900</i>