



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1203461
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1203461

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

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				

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

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

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

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

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

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

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

DISPOSITION OF GAS: <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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Viola 1-35
Doc ID	1203461

All Electric Logs Run

Dual Induction
Neutron
Micro
Sonic

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. 055

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-25-14	35	21	16	Pawnee	Ks		2:00 pm

Location Larned - 5th K-19, 2E + 90th Ave.

Lease Viola Well No. 1-35 Owner 1 1/2 N

Contractor Sterling # 5
Type Job Surface
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.

Hole Size 12 1/4" T.D. 990' Charge To Shelby Resources

Csg. 8 5/8" Depth 985' Street

Tbg. Size Depth City State

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

Cement Left in Csg. 4220' Shoe Joint 42, 20' Cement Amount Ordered 450 60140 38cc 2% Gel 1/4 Flt

Meas Line Displace 60 Bls

EQUIPMENT

Pumptrk 16 No. Cementer Billy Common 270

Bulktrk 19 No. Helper Lonnie Poz. Mix 180

Bulktrk pu No. Driver Rick Gel. 9

Driver Rick Calcium 17

JOB SERVICES & REMARKS

Remarks: Cement did Circulate. Halls

Rat Hole Salt

Mouse Hole Flowseal 225#

Centralizers Kol-Seal

Baskets Mud CLR 48

D/V or Port Collar CFL-117 or CD110 CAF 38

Handling 476

Mileage

FLOAT EQUIPMENT

Guide Shoe 1 slip on

Centralizer 1 Baffle plate

Baskets 1 Rubber plug

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge Long Surface

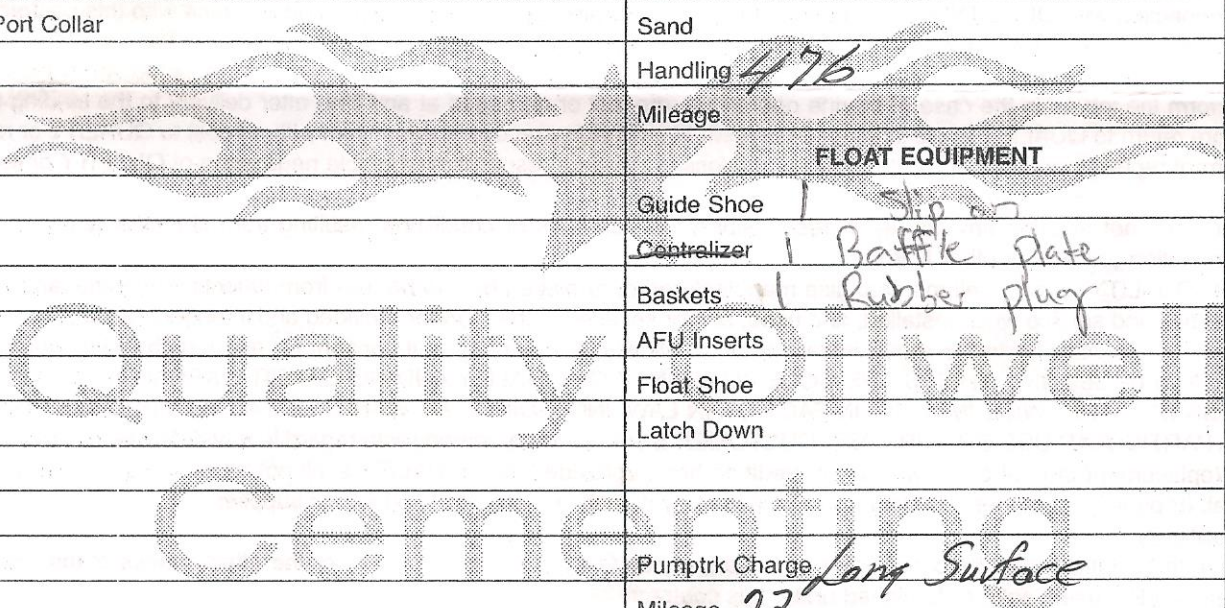
Mileage 23

Tax

Discount

Total Charge

X Signature Alan Loftis



Customer Shelby Resources LLC	Lease No.	Date 4-30-14
Lease VIOLA	Well # 1-35	
Field Order # 10454	Station Pratt	Casing
		Depth 3948
Type Job ENCL Plug to Abandon	Formation	County Pawnee
		State KS
		Legal Description 35-21-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid CAT 220 SKS	RATE 60/40 POZ	PRESS 490 PSI	ISIP	
Depth 3948	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 D.P.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3948	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative Allen	Station Manager Kevin Goidley	Treater Mike Mattai
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Service Units	37586	27463	19860	21010				
Driver Names	MATTAI	eggins	ERNST					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:35					ON LOCATION; SAFETY MEETING
					1st Plug 3948'
6:20	400		22	4	Pump 22 Bbl H2O
6:26	400		12.5	4	Mix 50 SKS 60/40 POZ
6:30	400		8	4	Pump 8 Bbl H2O
6:32	400		48	4	Pump 48 Bbl mud
					2nd Plug 1020'
8:25	200		11	4	Pump 11 Bbl H2O
8:26	200		12.5	4	Mix 50 SKS 60/40 POZ
8:31	200		4	4	Pump 4 Bbl H2O
8:33	200		14	4	Pump 14 Bbl mud
					3rd Plug 270'
10:01	200		5	3	Pump 3 Bbl H2O
10:02	200		12.5	3	Mix 50 SKS 60/40 POZ
10:00	200		1	3	Pump 1 Bbl H2O CMT TO SURFACE
					4th Plug 60'
11:12	100		5	2	Mix 20 SKS 60/40 POZ
					CMT TO SURFACE
11:30	100		7.5	2	Plug RAT + mouse hole
					JOB COMPLETE
					THANK YOU!
					MIKE MATTAI



DRILL STEM TEST REPORT

Prepared For: **Shelby Resource LLC**

2717 Canal Blvd.
Hays Kansas 67601

ATTN: Jeremy Schwartz

Viola 1-35

35-21s-16w-Pawnee

Start Date: 2014.04.28 @ 05:22:00

End Date: 2014.04.28 @ 12:29:30

Job Ticket #: 18316 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.04.28 @ 14:22:59



DRILL STEM TEST REPORT

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18316

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.04.28 @ 05:22:00

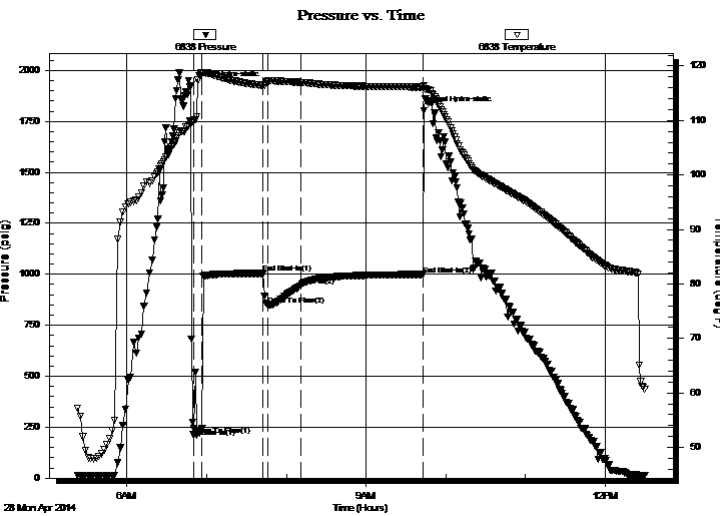
GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:50:00
 Time Test Ended: 12:29:30
 Interval: **3784.00 ft (KB) To 3812.00 ft (KB) (TVD)**
 Total Depth: 3812.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-55
 Reference Elevations: 1990.00 ft (KB)
 1977.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6838

Press@RunDepth: 943.16 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.04.28 End Date: 2014.04.28 Last Calib.: 1899.12.30
 Start Time: 05:23:00 End Time: 12:29:30 Time On Btm: 2014.04.28 @ 06:48:00
 Time Off Btm: 2014.04.28 @ 09:43:30

TEST COMMENT: 1st Open 10 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 1.5 minutes.
 1st Shut in 45 minutes No blow back.
 2nd Open 30 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 1.5 minutes.
 2nd Shut in 90 minutes Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1923.96	109.92	Initial Hydro-static
2	212.68	109.83	Open To Flow (1)
9	245.73	118.83	Shut-In(1)
55	1004.11	116.42	End Shut-In(1)
58	849.88	117.11	Open To Flow (2)
83	943.16	116.99	Shut-In(2)
175	998.90	116.13	End Shut-In(2)
176	1803.81	116.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
732.00	Gas cut muddy oil	6.88
0.00	Oil 40% Gas 10% Mud 40% Water 10%	0.00
915.00	Water 100%	12.84
0.00	1510 Gas in pipe.	0.00
0.00	Chlorides 41,000 .3ohms@55degrees	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18316

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.04.28 @ 05:22:00

GENERAL INFORMATION:

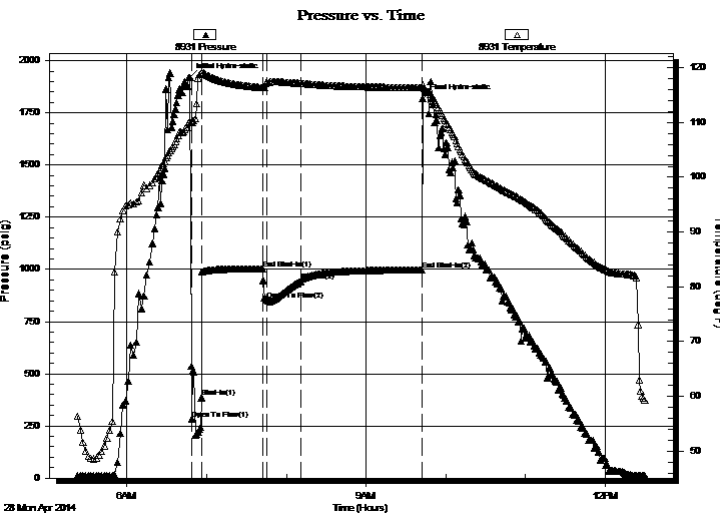
Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:50:00
 Time Test Ended: 12:29:30
 Interval: **3784.00 ft (KB) To 3812.00 ft (KB) (TVD)**
 Total Depth: 3812.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-55
 Reference Elevations: 1990.00 ft (KB)
 1977.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8931

Outside

Press@RunDepth: 998.11 psig @ 3807.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.04.28 End Date: 2014.04.28 Last Calib.: 2014.04.28
 Start Time: 05:23:00 End Time: 12:29:30 Time On Btm: 2014.04.28 @ 06:47:30
 Time Off Btm: 2014.04.28 @ 09:42:30

TEST COMMENT: 1st Open 10 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 1.5 minutes.
 1st Shut in 45 minutes No blow back.
 2nd Open 30 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 1.5 minutes.
 2nd Shut in 90 minutes Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1920.86	110.15	Initial Hydro-static
2	282.36	110.08	Open To Flow (1)
9	386.22	119.06	Shut-In(1)
55	1003.23	116.37	End Shut-In(1)
58	852.67	117.31	Open To Flow (2)
83	942.88	117.13	Shut-In(2)
175	998.11	116.36	End Shut-In(2)
175	1819.72	116.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
732.00	Gas cut muddy oil	6.88
0.00	Oil 40% Gas 10% Mud 40% Water 10%	0.00
915.00	Water 100%	12.84
0.00	1510 Gas in pipe.	0.00
0.00	Chlorides 41,000 .3ohms@55degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18316

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.04.28 @ 05:22:00

Tool Information

Drill Pipe:	Length: 3397.00 ft	Diameter: 3.80 inches	Volume: 47.65 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: 371.42 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 93000.00 lb
			<u>Total Volume: 49.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.42 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	3784.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 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			3761.00	
Hydraulic tool	5.00			3766.00	
Jars	6.00			3772.00	
Safety Joint	2.00			3774.00	
Top Packer	5.00			3779.00	
Packer	5.00			3784.00	28.00 Bottom Of Top Packer
Perforations	23.00			3807.00	
Recorder	0.00	6839	Inside	3807.00	
Recorder	0.00	8931	Outside	3807.00	
Bull Plug	5.00			3812.00	28.00 Anchor Tool
Total Tool Length:	56.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18316

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2014.04.28 @ 05:22:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 4600.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

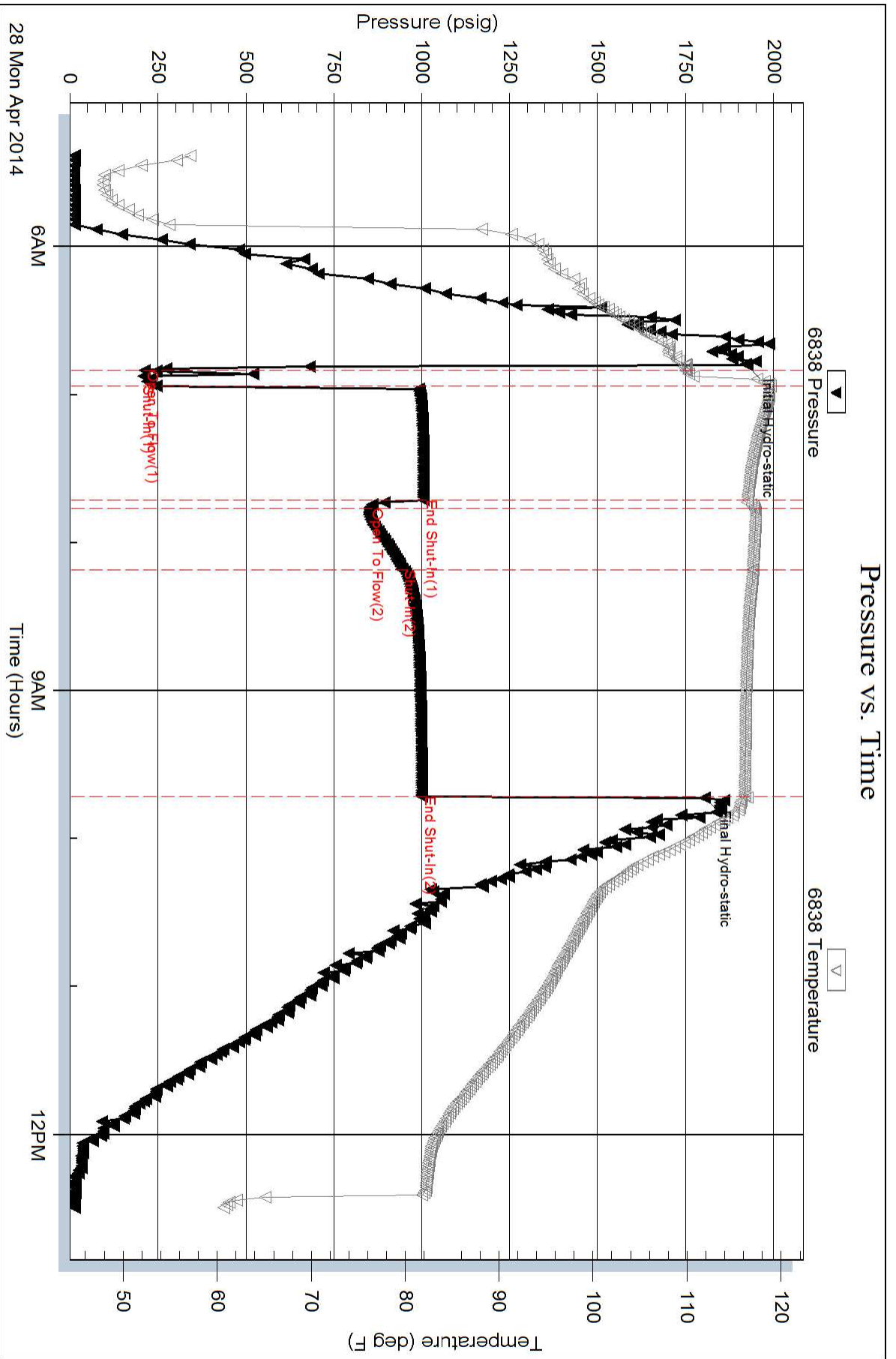
Length ft	Description	Volume bbl
732.00	Gas cut muddy oil	6.885
0.00	Oil 40% Gas 10% Mud 40% Water 10%	0.000
915.00	Water 100%	12.835
0.00	1510 Gas in pipe.	0.000
0.00	Chlorides 41,000 .3ohms@55degrees	0.000

Total Length: 1647.00 ft Total Volume: 19.720 bbl

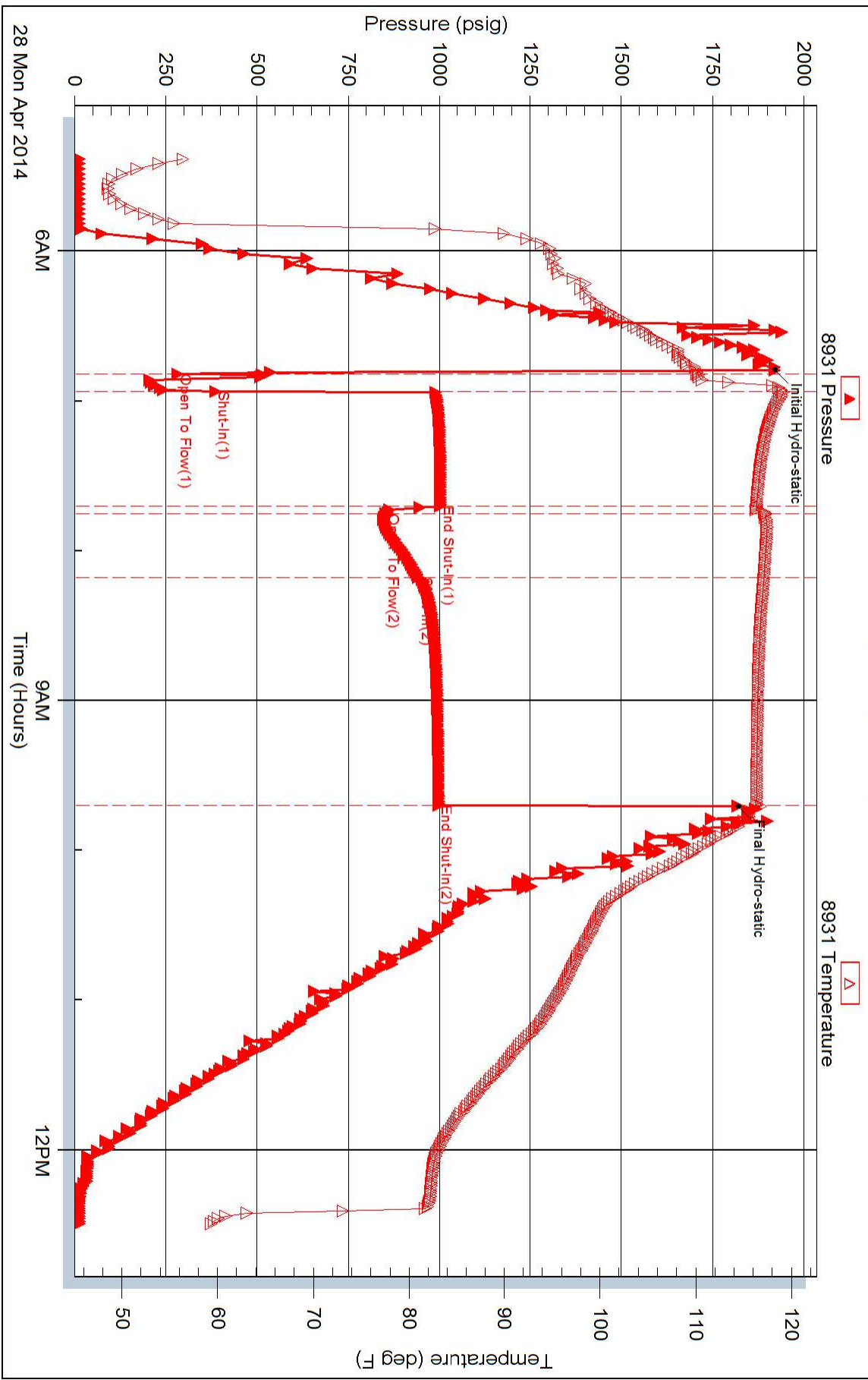
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Shelby Resource LLC**

2717 Canal Blvd.
Hays Kansas 67601

ATTN: Jeremy Schwartz

Viola 1-35

35-21s-16w-Pawnee

Start Date: 2014.04.29 @ 06:40:00

End Date: 2014.04.29 @ 12:26:00

Job Ticket #: 18317 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.04.30 @ 01:45:18



DRILL STEM TEST REPORT

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18317

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.04.29 @ 06:40:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:58:30

Time Test Ended: 12:26:00

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-55

Interval: 3816.00 ft (KB) To 3880.00 ft (KB) (TVD)

Reference Elevations: 1990.00 ft (KB)

Total Depth: 4050.00 ft (KB) (TVD)

1977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6651 Outside

Press@RunDepth: 103.98 psig @ 3818.16 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.04.29

End Date:

2014.04.29

Last Calib.:

2014.04.30

Start Time:

06:40:00

End Time:

12:26:00

Time On Btm:

2014.04.29 @ 08:58:00

Time Off Btm:

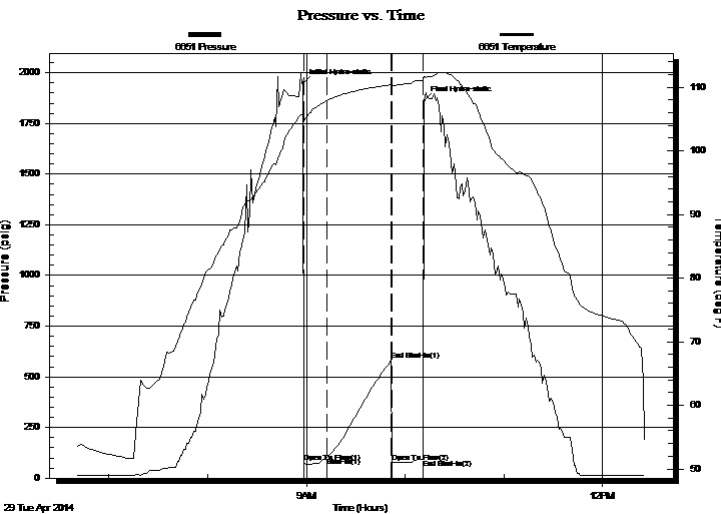
2014.04.29 @ 10:11:30

TEST COMMENT: 1st Open 10 minutes Weak blow built to 1/2 inches into a 5 gallon bucket of w ater.

1st Shut in 45 minutes No blow back

2nd Open 20 minutes Weak surface blow died off after 4 minutes Flushed tool w eak blow that died off.

2nd Shut in NA



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.96	105.87	Initial Hydro-static
1	79.65	104.54	Open To Flow (1)
15	103.98	107.89	Shut-In(1)
54	583.06	110.38	End Shut-In(1)
54	76.61	110.17	Open To Flow (2)
73	90.95	111.02	End Shut-In(2)
74	1861.59	111.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	Mud 100%	0.06

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18317

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.04.29 @ 06:40:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:58:30

Time Test Ended: 12:26:00

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-55

Interval: 3816.00 ft (KB) To 3880.00 ft (KB) (TVD)

Reference Elevations: 1990.00 ft (KB)

Total Depth: 4050.00 ft (KB) (TVD)

1977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6838

Press@RunDepth: 87.62 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.04.29

End Date: 2014.04.29

Last Calib.: 2014.04.30

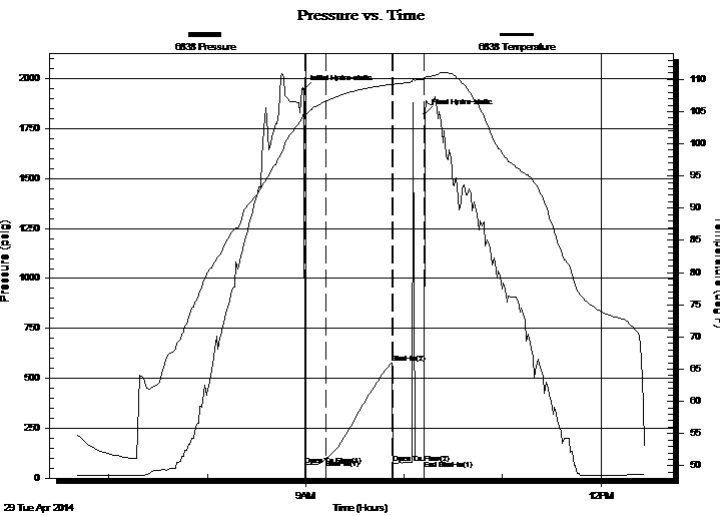
Start Time: 06:40:00

End Time: 12:27:00

Time On Btm: 2014.04.29 @ 08:59:00

Time Off Btm: 2014.04.29 @ 10:12:30

TEST COMMENT: 1st Open 10 minutes Weak blow built to 1/2 inches into a 5 gallon bucket of w ater.
1st Shut in 45 minutes No blow back
2nd Open 20 minutes Weak surface blow died off after 4 minutes Flushed tool w eak blow that died off.
2nd Shut in NA



PRESSURE SUMMARY

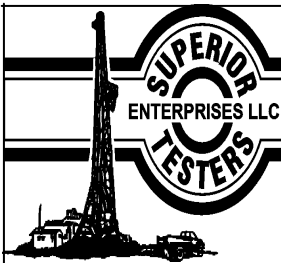
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1945.27	104.60	Initial Hydro-static
1	66.65	104.48	Open To Flow (1)
13	95.42	106.56	Shut-In(1)
54	575.42	109.26	Shut-In(2)
54	76.18	109.24	Open To Flow (2)
73	87.62	109.98	End Shut-In(1)
74	1824.21	110.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	Mud 100%	0.06

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18317

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.04.29 @ 06:40:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:58:30

Time Test Ended: 12:26:00

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-55

Interval: 3816.00 ft (KB) To 3880.00 ft (KB) (TVD)

Reference Elevations: 1990.00 ft (KB)

Total Depth: 4050.00 ft (KB) (TVD)

1977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8931 Outside

Press@RunDepth: psig @ 3818.16 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.04.29

End Date:

2014.04.29

Last Calib.:

2014.04.30

Start Time: 06:40:00

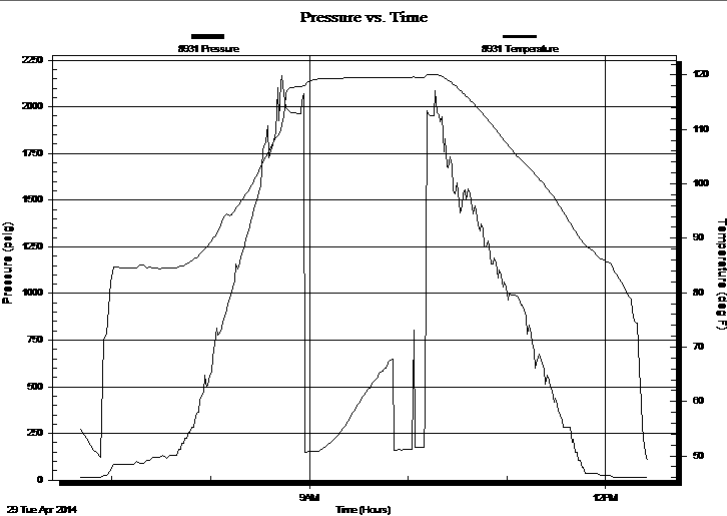
End Time:

12:26:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 1st Open 10 minutes Weak blow built to 1/2 inches into a 5 gallon bucket of w water.
1st Shut in 45 minutes No blow back
2nd Open 20 minutes Weak surface blow died off after 4 minutes Flushed tool w weak blow that died off.
2nd Shut in NA



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
12.00	Mud 100%	0.06

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18317

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.04.29 @ 06:40:00

Tool Information

Drill Pipe:	Length: 3433.00 ft	Diameter: 3.80 inches	Volume: 48.16 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: 371.42 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 83000.00 lb
			Total Volume: 49.99 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.03 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	3816.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	3880.89 ft			
Interval between Packers:	64.89 ft			
Tool Length:	91.80 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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P.O. Sub	0.31			3793.70	
C.O. Sub	0.31			3794.01	
P.O. Sub	0.31			3794.32	
Recorder	1.80		Fluid	3796.12	
Conv. S.I. Tool	1.52			3797.64	
Sampler	1.10			3798.74	
HMV	2.10			3800.84	
Recorder	1.80		Inside	3802.64	
Telemetry Tool	7.01			3809.65	
Jars	2.05			3811.70	
Bypass Hanger	0.32			3812.02	
Safety Joint	0.78			3812.80	
Packer	1.78			3814.58	22.61 Bottom Of Top Packer
Packer	1.42			3816.00	
Stubb	0.36			3816.36	
Recorder Carrier	1.80			3818.16	
Recorder	0.00	6651	Outside	3818.16	
Recorder	0.00	8931	Outside	3818.16	
Perforations	30.00			3848.16	
Bypass Receiver	0.85			3849.01	
Blank Spacing	0.00			3849.01	
drill Pipe	31.88			3880.89	64.89 Tool Interval
Packer	1.42			3882.31	
Bypass Hanger	0.30			3882.61	
Recorder	1.80	6839	Below	3884.41	
Collar	0.00			3884.41	



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18317

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.04.29 @ 06:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	Mud 100%	0.059

Total Length: 12.00 ft Total Volume: 0.059 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

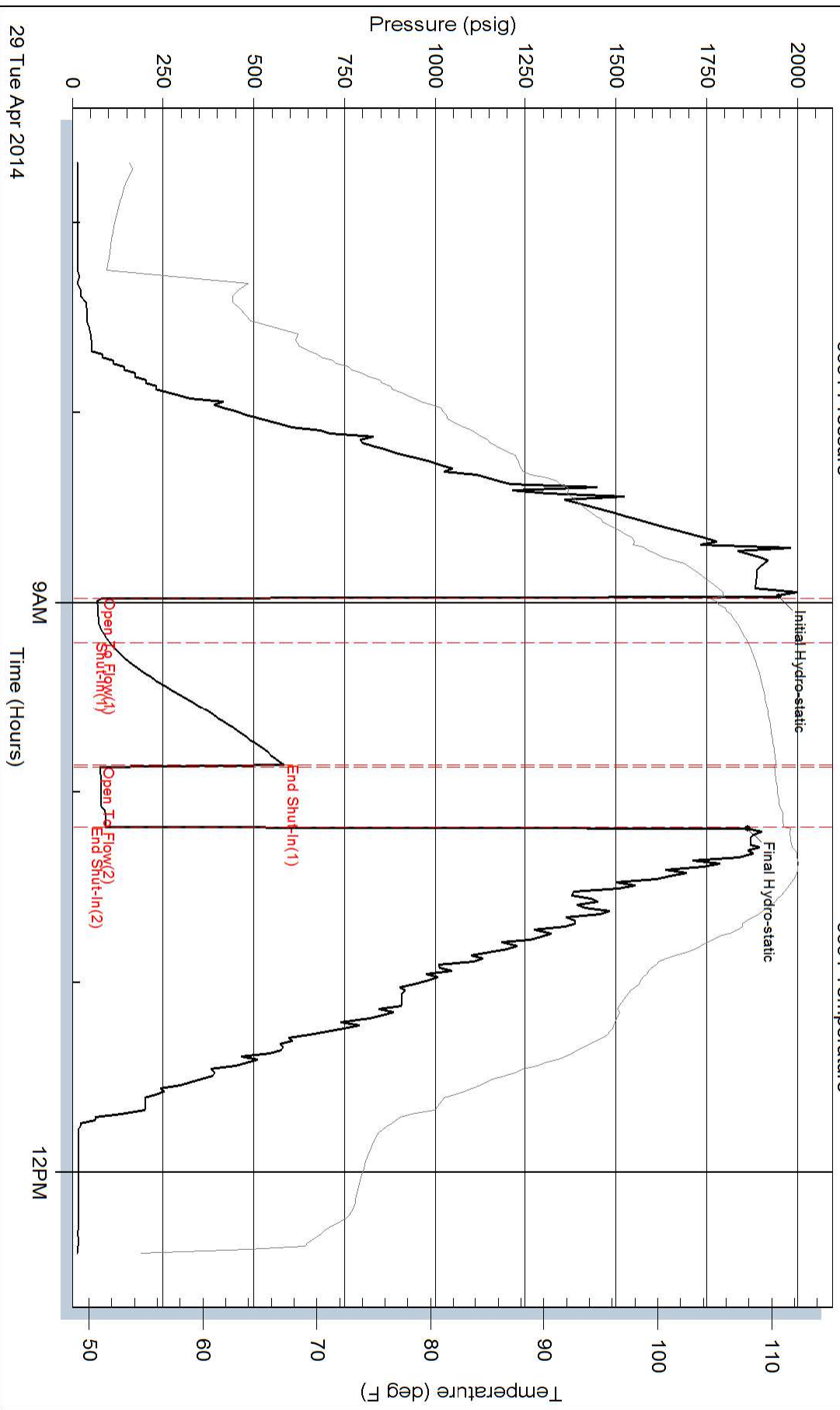
Serial #:

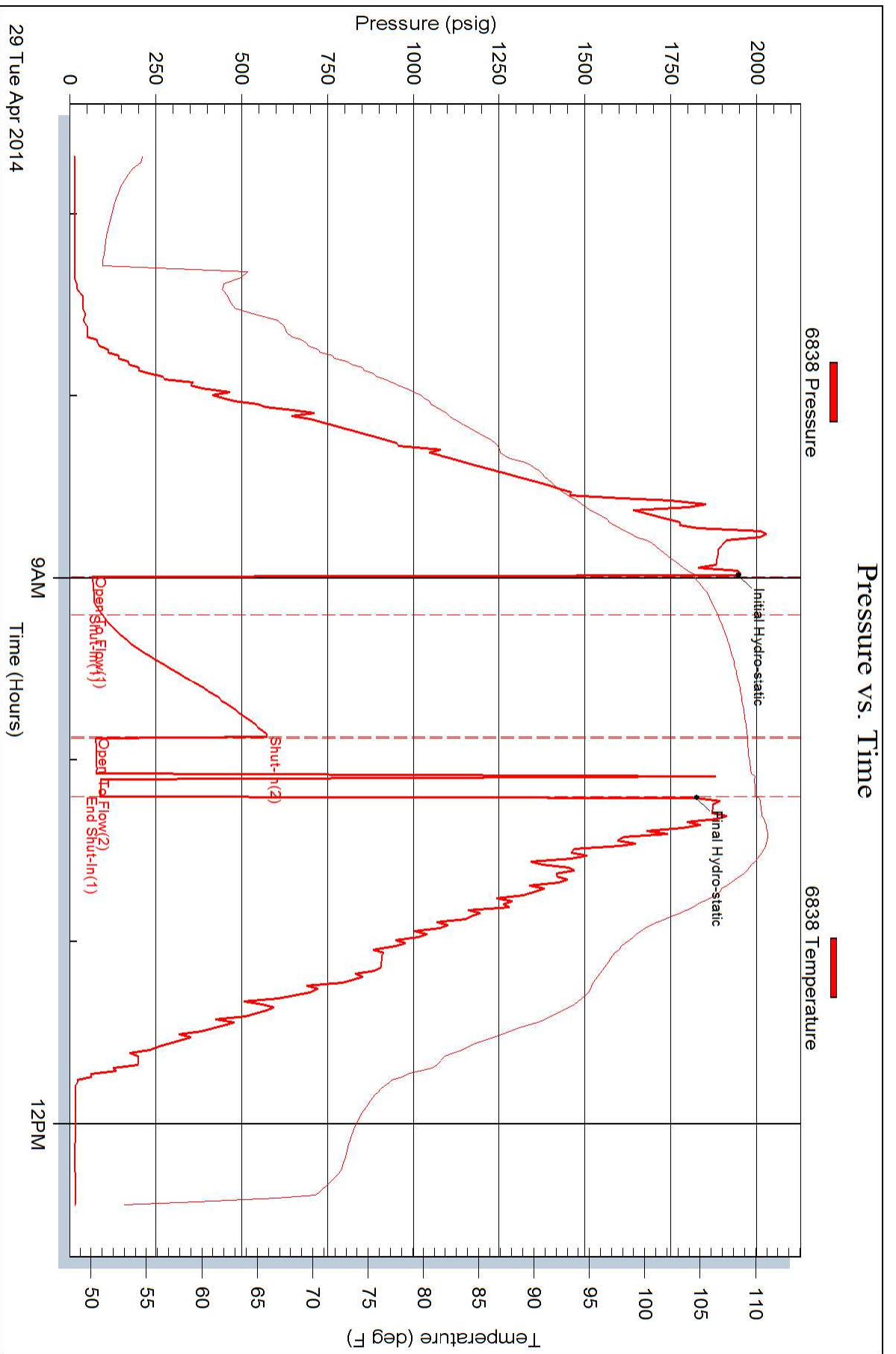
Laboratory Name:

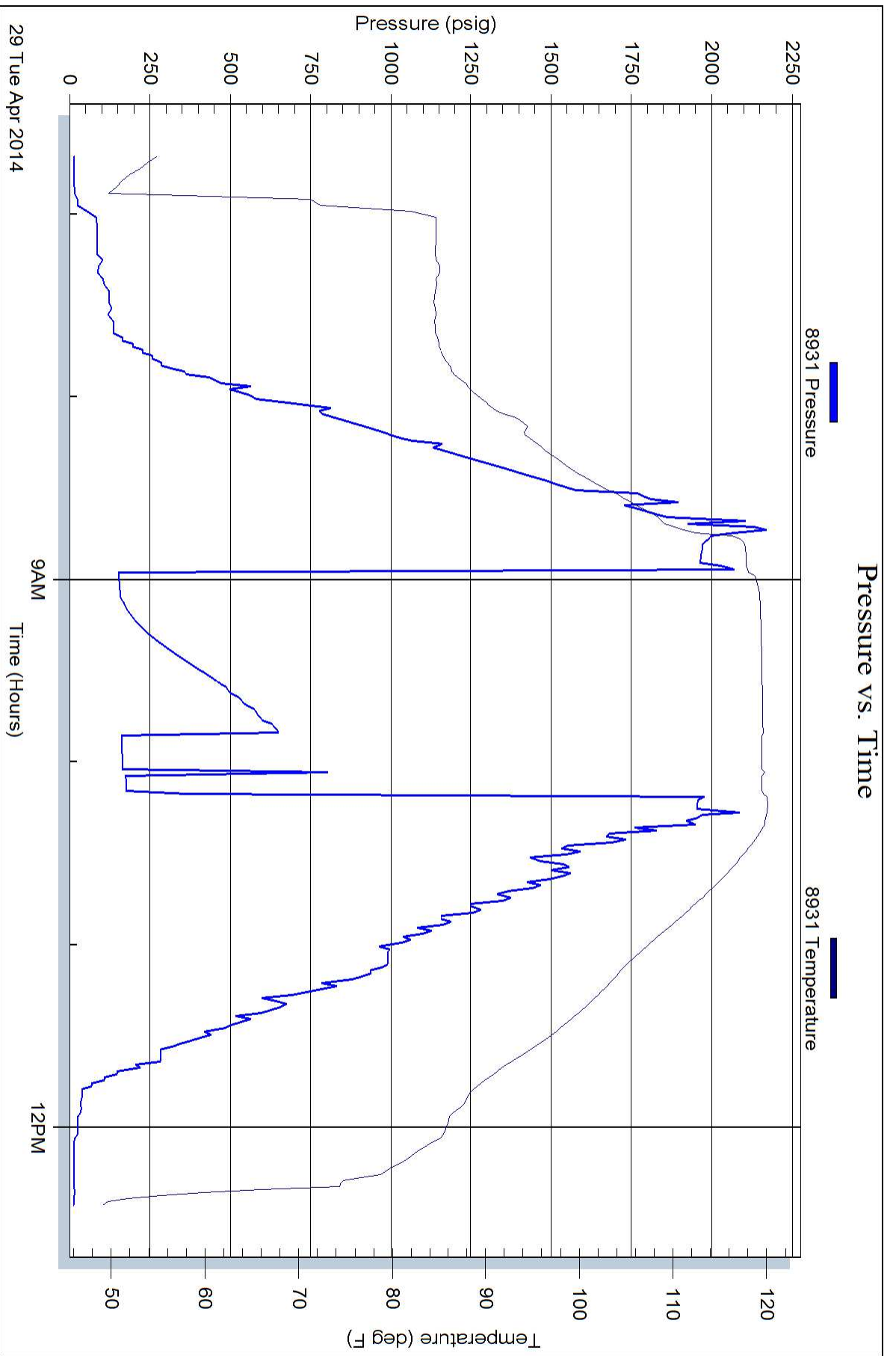
Laboratory Location:

Recovery Comments:

Pressure vs. Time









Scale 1:240 Imperial

Well Name: Viola #1-35
 Surface Location: 720' FNL _1920' FWL Sec 35 - 21S- 16W
 Bottom Location:
 API: 15-145-21761-00-00
 License Number:
 Spud Date: 4/24/2014 Time: 7:00 PM
 Region: Pawnee County
 Drilling Completed: 4/29/2014 Time: 9:30 AM
 Surface Coordinates: Y = 554027 & X = 1841347
 Bottom Hole Coordinates:
 Ground Elevation: 1977.00ft
 K.B. Elevation: 1990.00ft
 Logged Interval: 3200.00ft To: 4050.00ft
 Total Depth: 4050.00ft
 Formation: Penn Sand
 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: Viola #1-35
 Location: 720' FNL _1920' FWL Sec 35 - 21S- 16WAPI: 15-145-21761-00-00
 Pool: Field: Wildcat
 State: Kansas 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 Viola #1-35 was drilled to a total depth of 4050', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

2 DST's were conducted in the Penn. Conglomerate and Viola zones. The DST reports can be found at the top of this log.

Due to the DST results, sample shows, gas kicks, and log analysis it was determined by all parties involved to plug and abandon the well. The dry samples were saved and will be available for further review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist


SURFACE CO-ORDINATES

Well Type: Vertical

LTD	4049	-2059	4026	-2038	-	21	4038	-2047	-	12
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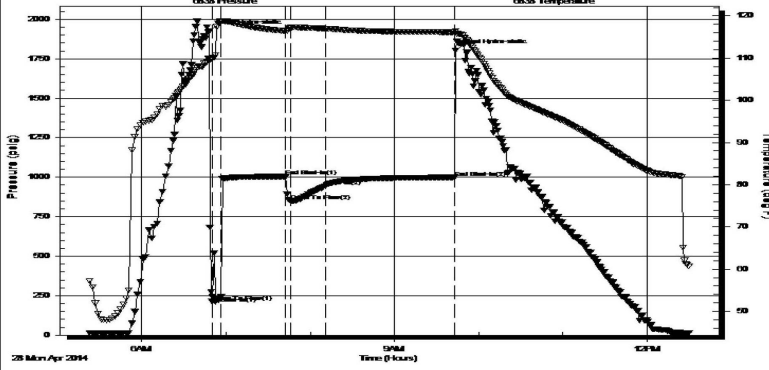
PROGNOSIS		
ANHYDRITE TOP	980	1010
HIEBNER SHALE	3402	-1412
LKC	3511	-1521
Penn Cong	3797	-1807
Simp Sand	3895	-1905
ARBUCKLE	3933	-1943
TD	4050	-2060

TESTED	TESTED
<p>DST #1 (3535-3563) LKC "B-D" 15-30-45-60 Weak Surface Blow No BB No Blow, Flushed Tool, good flush bubbles, gained weak surface blow No BB 5' MUD SIP: 1323-1310 **INVALID TEST** (Tool had cuttings stuck inside and was plugged from a previous test)</p> <p>DST #2 (3774-3819) Conglomerate 10-45-45-90 Strong Blow BOB 30Sec BB BOB, GTS 5MIN Strong Blow BOB 30SEC Oil to surface 5MIN into shut-in 277' CGO SIP: 1013-1019</p> <p>DST #3 (3857-3897) Simp Sand 15-45-45-90 Fair Blow built to 1.5IN No BB Fair Blow built to 4IN No BB 30' OCM (80%M, 20%O) SIP: 718-559</p> <p>DST #4 (3924-3931) Arbuckle 15-45-45-90 Weak blow built to 2IN No BB No blow, flushed tool and gained good blow BOB BB built to 2IN 2709' CO SIP: 1352-1332</p>	<p>DST #1 (3350-3375) LKC "B-D" 10-45-45-90 IF: Fair Blow Built to 3IN No BB FF: Fair Blow Built to 3.5IN No BB 30' Gassy Mud w/TR Oil SIP: 767-1051</p> <p>DST #2 (3785-3865) Conglomerate 15-45-20 Weak Blow Built to 3/4IN No BB Weak Surface Blow Died 20MIN Pulled Test 10' M SIP: 118-77</p> <p>DST #3 (3875-3915) Simp Sand 15-45-45-90 Strong Blow BOB 1MIN 50SEC Good BB Built to 11IN Strong Blow BOB 4MIN BB BOB/GTS 60MIN 945' CGO SIP: 1227-1149</p> <p>DST #4 (3915-3958) Arbuckle 15-45-30-90 Strong Blow BOB 1MIN 20SEC No BB Strong Blow BOB 2MIN 10SEC No BB 1953' W SIP: 1300-1329</p>

	DRILL STEM TEST REPORT	
	Shelby Resource LLC 2717 Canal Blvd. Hays Kansas 67601 ATTN: Jeremy Schwartz	35-21s-16w-Pawnee Viola 1-35 Job Ticket: 18316 DST#: 1 Test Start: 2014.04.28 @ 05:22:00
GENERAL INFORMATION:		
Formation: Conglomerate Deviated: No Whipstock: ft (KB) Time Tool Opened: 06:50:00 Time Test Ended: 12:29:30	Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Ellis Unit No: 3315-Great Bend-55	
Interval: 3784.00 ft (KB) To 3812.00 ft (KB) (TVD) Total Depth: 3812.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Reference Elevations: 1990.00 ft (KB) 1977.00 ft (CF) KB to GR/CF: 13.00 ft	
Serial #: 6838 Press@RunDepth: 943.16 psig @ ft (KB) Start Date: 2014.04.28 End Date: 2014.04.28 Start Time: 05:23:00 End Time: 12:29:30	Capacity: 5000.00 psig Last Calib.: 1899.12.30 Time On Btm: 2014.04.28 @ 06:48:00 Time Off Btm: 2014.04.28 @ 09:43:30	
TEST COMMENT: 1st Open 10 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 1.5 minutes. 1st Shut in 45 minutes No blow back. 2nd Open 30 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 1.5 minutes. 2nd Shut in 90 minutes Yes blow back		

Pressure vs. Time

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1923.96	109.92	Initial Hydro-static
2	212.68	109.83	Open To Flow (1)
9	245.73	118.83	Shut-In(1)
55	1004.11	116.42	End Shut-In(1)
58	849.88	117.11	Open To Flow (2)
83	943.16	116.99	Shut-In(2)
175	998.90	116.13	End Shut-In(2)
176	1803.81	116.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
732.00	Gas cut muddy oil	6.88
0.00	Oil 40% Gas 10% Mud 40% Water 10%	0.00
915.00	Water 100%	12.84
0.00	1510 Gas in pipe.	0.00
0.00	Chlorides 41,000 .3ohms@55degrees	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 18316

Printed: 2014.04.28 @ 14:22:59



DRILL STEM TEST REPORT

Shelby Resource LLC

35-21s-16w-Pawnee

2717 Canal Blvd.
Hays Kansas 67601

Viola 1-35

Job Ticket: 18317

DST#: 2

ATTN: Jeremy Schwartz

Test Start: 2014.04.29 @ 06:40:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:58:30
 Time Test Ended: 12:26:00

Test Type: Conventional Straddle (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-55

Interval: **3816.00 ft (KB) To 3880.00 ft (KB) (TVD)**
 Total Depth: 4050.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1990.00 ft (KB)
 1977.00 ft (CF)
 KB to GR/CF: 13.00 ft

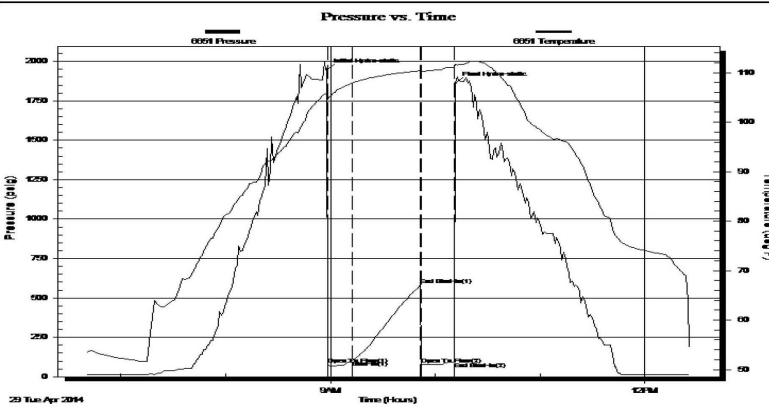
Serial #: 6651

Outside

Press@RunDepth: 103.98 psig @ 3818.16 ft (KB)
 Start Date: 2014.04.29 End Date: 2014.04.29
 Start Time: 06:40:00 End Time: 12:26:00

Capacity: 5000.00 psig
 Last Calib.: 2014.04.30
 Time On Btm: 2014.04.29 @ 08:58:00
 Time Off Btm: 2014.04.29 @ 10:11:30

TEST COMMENT: 1st Open 10 minutes Weak blow built to 1/2 inches into a 5 gallon bucket of water.
 1st Shut in 45 minutes No blow back
 2nd Open 20 minutes Weak surface blow died off after 4 minutes Flushed tool weak blow that died off.
 2nd Shut in N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.96	105.87	Initial Hydro-static
1	79.65	104.54	Open To Flow (1)
15	103.98	107.89	Shut-In(1)
54	583.06	110.38	End Shut-In(1)
54	76.61	110.17	Open To Flow (2)
73	90.95	111.02	End Shut-In(2)
74	1861.59	111.66	Final Hydro-static

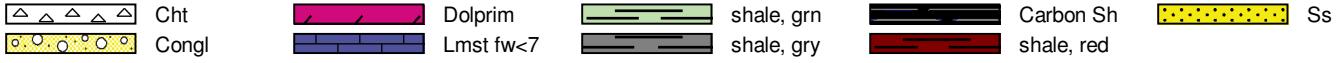
Recovery

Length (ft)	Description	Volume (bbl)
12.00	Mud 100%	0.06

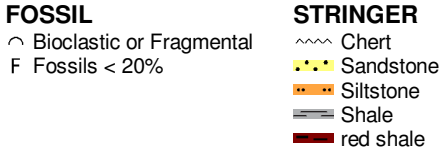
Gas Rates

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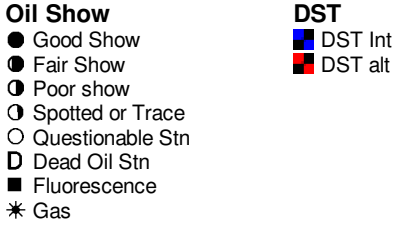
ROCK TYPES



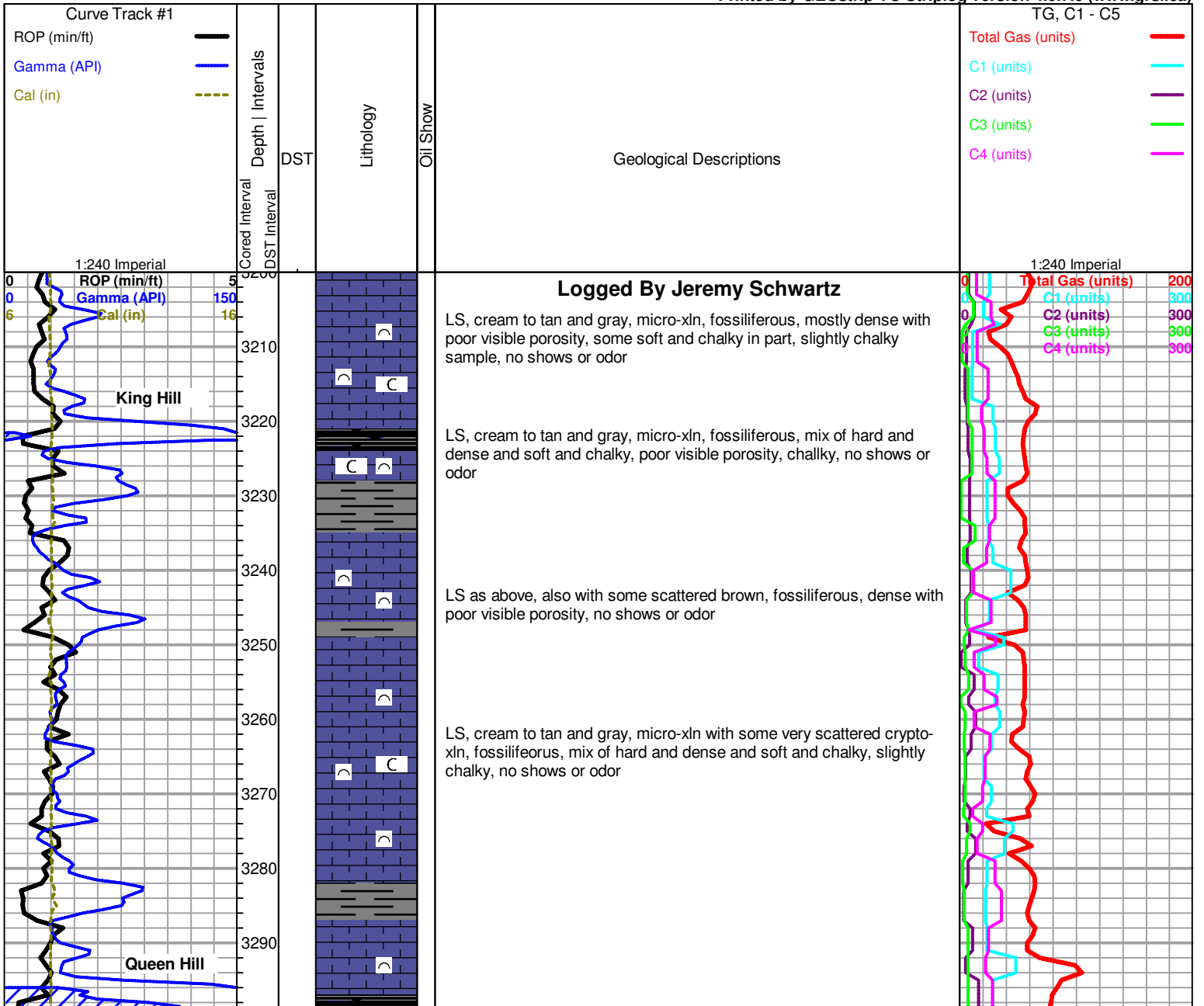
ACCESSORIES

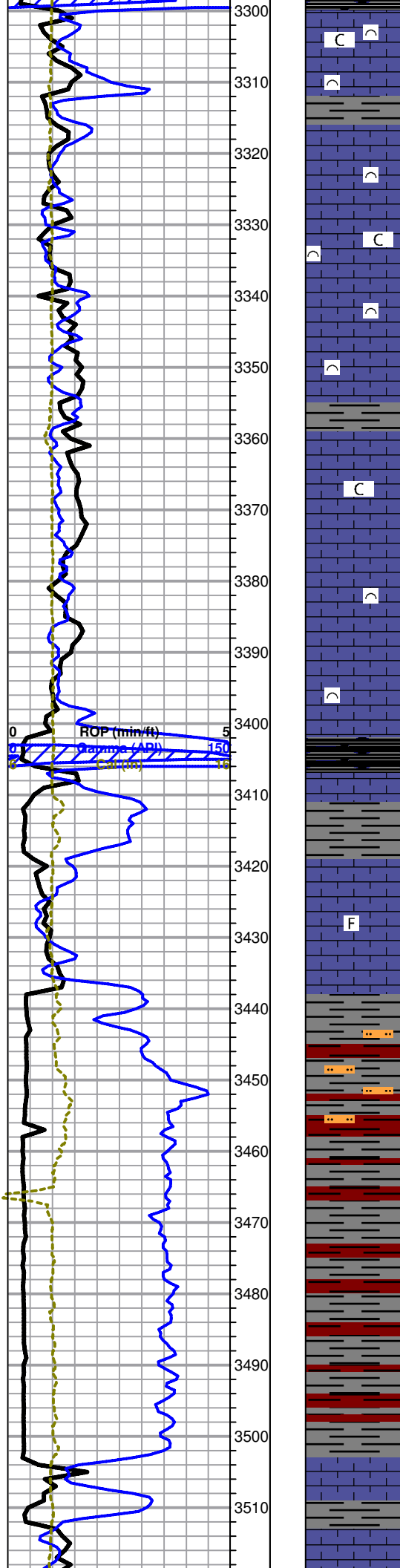


OTHER SYMBOLS



Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





LS, cream to tan with some gray, micro-xln, fossiliferous, mostly dense with poor visible porosity, some soft and chalky, slightly chalky, no shows or odor

LS, cream to tan with some gray, micro-crypto xln, fossiliferous, mix of hard and dense and soft and chalky, no shows or odor

LS, cream to tan with some scattered gray and brown, micro-crypto xln, mostly hard and dense with poor visible porosity, slightly chalky, no shows or odor

LS, mostly tan to cream, micro-crypto xln, fossiliferous, mostly soft and chalky in part, some dense with poor visible porosity, no shows or odor

Heebner 3402 (-1412)
Shale, black carbonaceous

Toronto 3419 (-1429)
LS, cream to white with some scattered gray, micro-crypto xln, some slightly fossiliferous, mostly dense with poor visible porosity, no shows or odor

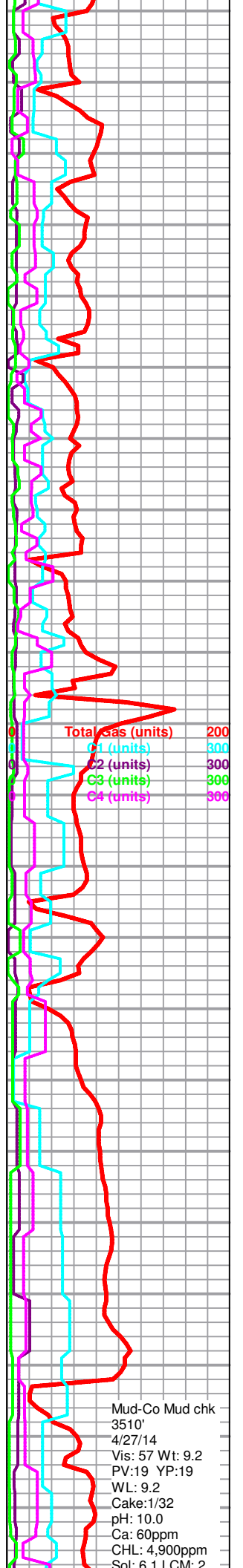
Douglas Shale 3438 (-1448)
Shale, gray and red, some soft and waxy, some silty

Shale, gray and red, mostly soft and waxy

Shale as above

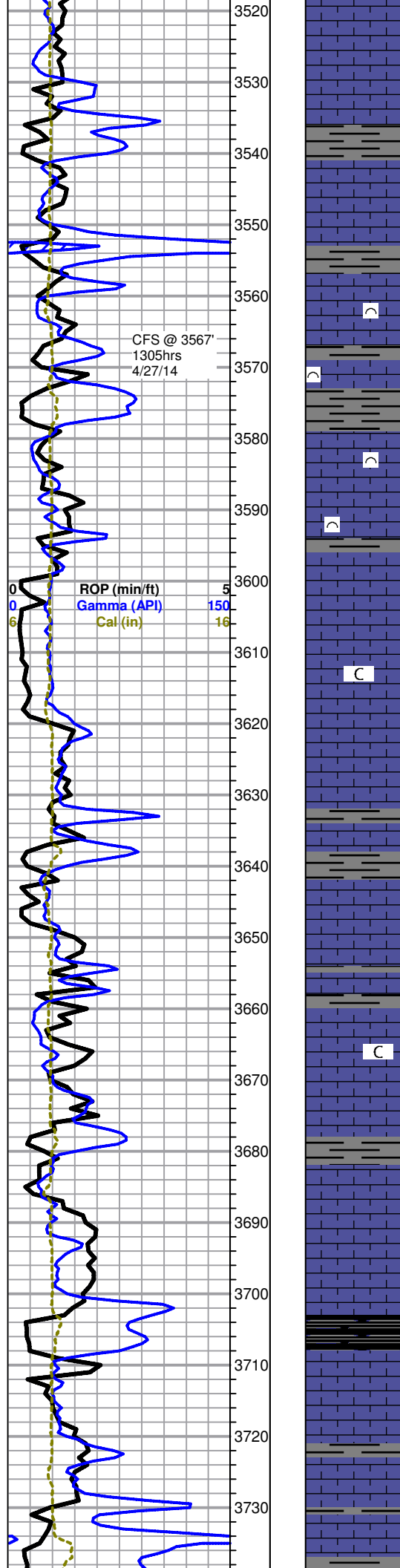
Brown Lime 3504 (-1514)
LS, light brown to brown, micro-crypto xln, some slightly fossiliferous, hard and dense with no visible porosity, no shows or odor

LKC 3512 (-1522)
LS, cream to off-white with some gray, micro-crypto xln, mostly dense



Total Gas (units) 200
C1 (units) 300
C2 (units) 300
C3 (units) 300
C4 (units) 300

Mud-Co Mud chk
3510'
4/27/14
Vis: 57 Wt: 9.2
PV:19 YP:19
WL: 9.2
Cake:1/32
pH: 10.0
Ca: 60ppm
CHL: 4,900ppm
Sol: 6.1 LCM: 2



with poor visible porosity, few chips (<5% of tray) with scattered small edge vugs and poor to fair visible porosity, barren, no odor

LS as above, some very scattered cream (~10% of sample), dense and fossiliferous, with scattered vf pinpoint porosity and one to two very small edge vugs on few chips, with very light golden brown poor visible stain and slight show free oil droplets very slowly bleeding from porosity in wet tray, slow weak cut, poor odor

3567' 20" LS, cream to gray, micro-xln, fossiliferous, mostly hard and dense with poor visible porosity, few chips cream with very scattered vf visible pinpoint porosity, barren, no odor

3567' 40" Mostly same as above

LS, cream to white with some scattered gray, micro-crypto xln, some fossiliferous, some lithographic, dense with poor visible porosity, no shows or odor

LS, cream to gray, micro-xln, oomolitic, mostly dense with poor to fair visible oomold porosity, barren, trace cream oolitic, no odor

As above, slightly chalky, no shows or odor

LS, cream to off white with some gray, micro-xln, some fossiliferous, some oomoldic with poor to fair visible oomold porosity, trace oolitic, no shows or odor

LS, cream to white, micro-crypto xln, some lithographic and chalky in part, some cream oomoldic as above, no shows or odor

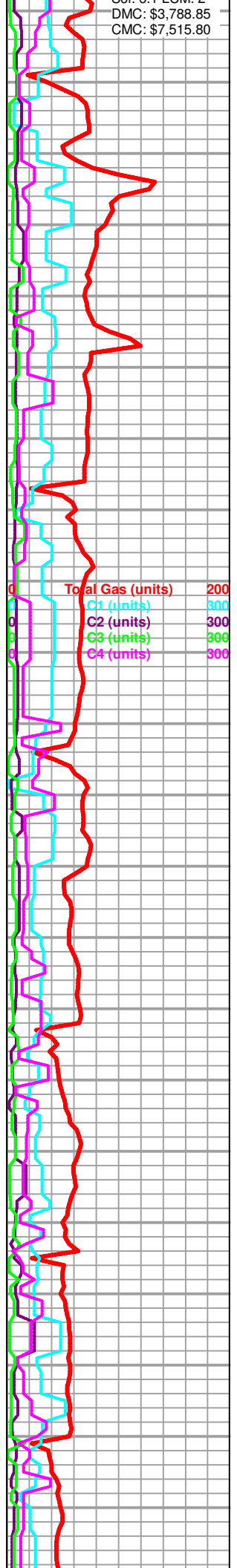
LS, cream to white with some scattered gray and brown, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some scattered chalky in part, no shows or odor

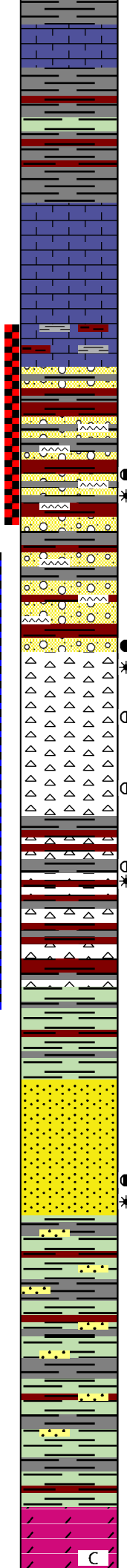
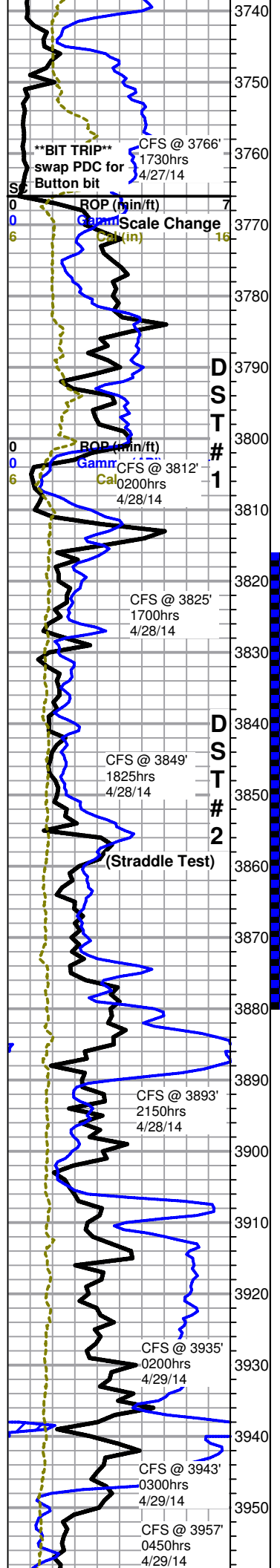
Stark Shale 3703 (-1713)

Shale, black carbonaceous

LS, cream with some scattered gray, lithographic and dense with poor visible porosity, some soft and chalky in part, no shows or odor

LS, cream with some scattered light brown, micro-crypto xln, mostly dense with poor to no visible porosity, no shows or odor





B/KC 3746 (-1756)

Shale, mostly gray with some red and trace green, mostly soft and waxy

Shale as above

Marmaton 3770 (-1780)

LS, cream to gray, micro-crypto xln, mostly lithographic, hard and dense with no visible porosity, no shows or odor

Conglomerate 3790 (-1800)

Mixed cream to off-white and gray LS, micro-xln, dense with poor visible porosity, and red and gray shales, trace orange chert, slight red wash, no shows or odor

Conglomerate Chert/Sand 3802 (-1812)

3812' 30" Conglomerate as above, also with some scattered chert, white, slightly tripolitic edges with very scattered brown stain in porosity, weak cut, slight to fair show gas bubbles coming from porosity, with some of sub-rounded to sub-angular quartz grains in bottom of tray, good show free oil in tray, fair odor

60" Conglomerate as above, with overall less chert with shows, some scattered of quartz grains as above, SSFO in tray, poor odor

3825' 30" Mixed LS and shales, also with some (~15% of tray) SS clusters, fine-xln, sub-angular to sub-rounded, poorly sorted, well cemented and dense, barren, no cut, found one chip chert, mostly tripolitic with fair visible porosity and mostly saturated brown stain, dense, slow weak cut with dull fluorescence, poor odor

~3830' Conglomerate as above, also with some chert, tripolitic with brown to black stain in porosity, few chips with several vugs to slightly vuggy porosity and mostly saturated to saturated brown stain, chips bleed oil and gas bubbles, good show free oil in tray, fair odor

~3840' Chert, white, fresh and sharp, mostly barren, some very scattered with tripolitic edges and poor brown stain in porosity only, SSFO, no odor

3849' 30" Chert, white, fresh and sharp, some very scattered (~5-10% of tray) with tripolitic edges and brown stain, no odor

60" White chert as above, SSFO, no odor

White chert as above, some chips with fair show gas bubbles as well as scattered brown stain, also with some red and gray shale, poor odor

Simpson Shale 3876 (-1886)

Shale, green and gray with some scattered red, mostly soft and waxy

Simpson Sand 3886 (-1896)

3893' 30" Mixed shales, LS, and cherts, with some scattered SS (~15-20%), clear to yellow, sub-rounded, poorly sorted, some well cemented and dense, some friable, with abundant shale and chert inclusions as well as white clay, barren, with trace quartz/chert aggregate with saturated black stain, also with some scattered sub-rounded clear quartz grains in bottom of tray, poor fleeting odor

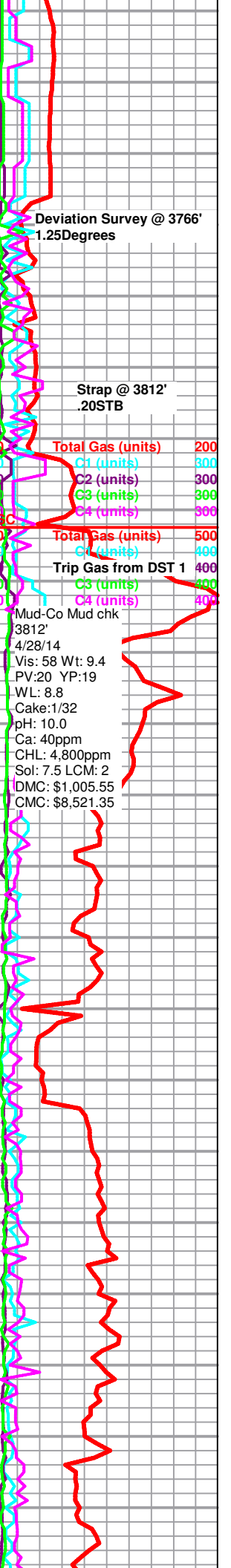
3915' 30" SS, clear to white and yellow, mostly sub-angular with some sub-rounded, mostly well cemented and dense, barren, some yellow to white with shale and chert inclusions, some (~5-10%) with very scattered dead black residual stain, upon break few clusters have slight to fair show free oil and fair show gas bubbles, also with some very scattered quartz/chert aggregate as above, fair odor in cup

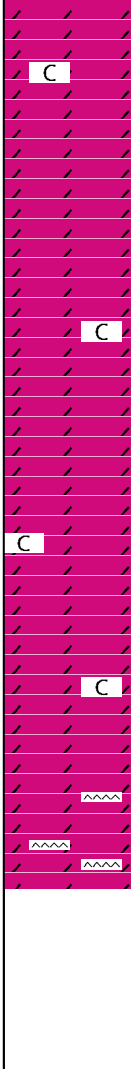
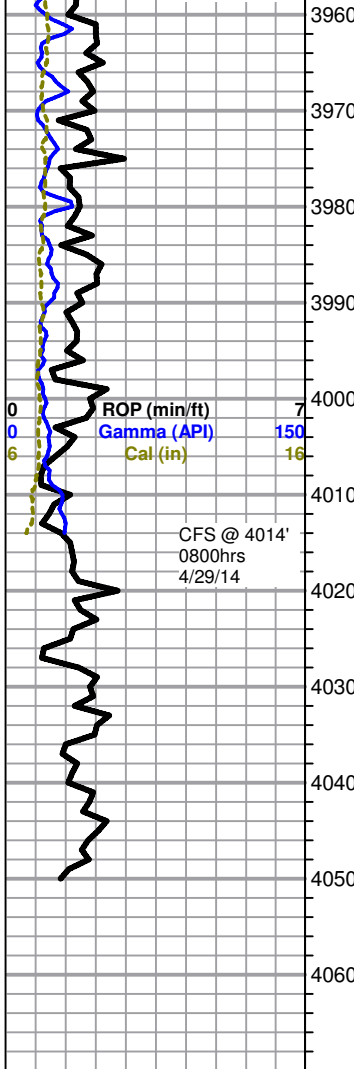
3935' 30" Mostly green and gray shale, with scattered sandstone as above, also with some white to tan and orange chert, poor odor

3943' 30" Mostly green and gray shale as above, with some very scattered SS clusters, few chips dolomite (~5%), cream, micro-crypto xln, lithographic with poor to no visible porosity, barren, poor odor

Arbuckle 3950 (-1960)

3957' 30" Dolomite, cream to off-white, mostly sub-sucrosic with poor development, dense with poor visible porosity, few scattered chips with poor sub-rhombic development, friable, trace slightly pyritic, barren, slightly chalky,





poor odor in cup

60" Mostly same as above, with influx of sub-sucrosic with poor to fair sub-rhombic development, mostly dense with poor visible porosity, some friable, barren, slightly chalky, very poor fleeting odor in cup

Dolomite as above, also with few chips (~5%) cream, micro-med xln, sucrosic, with fair rhombic development and poor to fair visible inter-xln porosity, friable, barren, no odor

Dolomite, cream, micro-xln, mostly lithographic, hard and dense with poor visible porosity, some very scattered (~10%) sub-sucrosic with poor development and poor visible porosity, barren, no odor

As above, slightly chalky, no shows or odor

4014' 30" Dolomite, cream, micro-xln, mostly lithographic and dense with poor visible porosity, also with some scattered (~20%) light brown, micro-xln, sub-sucrosic with poor to fair sub-rhombic development, poor visible porosity, also with some very scattered (~10%) sub-oomoldic, barren, no odor

Dolomite, cream to light brown, mostly lithographic and dense with poor visible porosity, with some scattered (~20%) sub-sucrosic with poor to fair sub-rhombic development, slight influx in oomoldic, slightly chalky, barren, no odor

Dolomite, cream to off white with some scattered light brown, mostly lithographic and dense with poor visible porosity, some sub-sucrosic as above, no shows or odor

Dolomite as above, also with some scattered white chert, some oolitic, slightly chalky, no shows or odor

Rotary TD 4050' @ 0930hrs 4/29/14
Nabors Well Services Logging TD @ 4049'
Complete Logging Operations @ 1615hrs 4/29/14
Geologist Jeremy Schwartz off location @ 0130hrs 4/30/14

