



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1214503
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: _____

1214503

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	Reif Trust 1-23
Doc ID	1214503

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources L.L.C**

2717 Canal Blvd Hays KS 67601

ATTN: Jeremy Schwartz

Reif Trust #1-23

23-18-14 Barton

Start Date: 2014.05.19 @ 13:55:00

End Date: 2014.05.20 @ 00:25:00

Job Ticket #: 19241 DST #: 1

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

Printed: 2014.05.20 @ 01:50:13



DRILL STEM TEST REPORT

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartzs

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19241 **DST#: 1**
 Test Start: 2014.05.19 @ 13:55:00

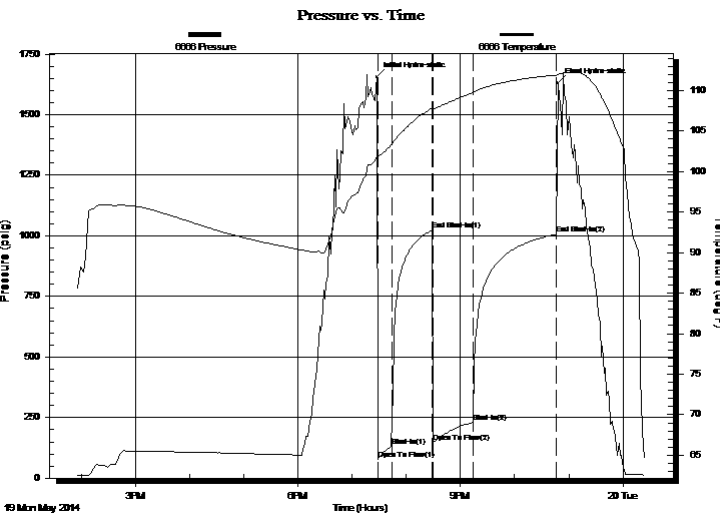
GENERAL INFORMATION:

Formation: **Lansing " A - F "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:29:00
 Time Test Ended: 00:25:00
 Interval: **3166.00 ft (KB) To 3240.00 ft (KB) (TVD)**
 Total Depth: 3240.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3335-Great Bend-
 Reference Elevations: 1914.00 ft (KB)
 1901.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6666

Press@RunDepth: 229.51 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.05.19 End Date: 2014.05.20 Last Calib.: 2014.05.20
 Start Time: 13:55:00 End Time: 00:25:00 Time On Btm: 2014.05.19 @ 19:27:30
 Time Off Btm: 2014.05.19 @ 22:48:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 3 inches from bottom of bucket in 15 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 1 inch from bottom of bucket in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.49	102.03	Initial Hydro-static
2	79.61	101.92	Open To Flow (1)
17	133.13	103.36	Shut-In(1)
62	1023.99	107.85	End Shut-In(1)
63	145.94	107.72	Open To Flow (2)
106	229.51	109.71	Shut-In(2)
199	1006.03	111.90	End Shut-In(2)
201	1630.11	112.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mud w water 10 % mud 90%w ater	1.48
30.00	spot oil mud 1%oil 99%mud	0.15
0.00	chlorides 68,000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartzs

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19241 **DST#: 1**
 Test Start: 2014.05.19 @ 13:55:00

Tool Information

Drill Pipe:	Length: 2828.00 ft	Diameter: 3.80 inches	Volume: 39.67 bbl	Tool Weight: 1000.00 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: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 41.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3166.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	102.00 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			3143.00	
Hydraulic Tool	5.00			3148.00	
Jars	6.00			3154.00	
Safety Joint	2.00			3156.00	
Top Packer	5.00			3161.00	
Packer	5.00			3166.00	28.00 Bottom Of Top Packer
Anchor	0.00			3166.00	
Change Over Sub	0.75			3166.75	
Drill Pipe	30.50			3197.25	
Change Over Sub	0.75			3198.00	
Anchor	37.00			3235.00	
Recorder	1.00		Inside	3236.00	
Recorder	1.00		Outside	3237.00	
Bull Plug	3.00			3240.00	74.00 Anchor Tool

Total Tool Length: 102.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C
2717 Canal Blvd Hays KS 67601
ATTN: Jeremy Schwartzs

23-18-14 Barton
Reif Trust #1-23
Job Ticket: 19241 **DST#: 1**
Test Start: 2014.05.19 @ 13:55:00

Mud and Cushion Information

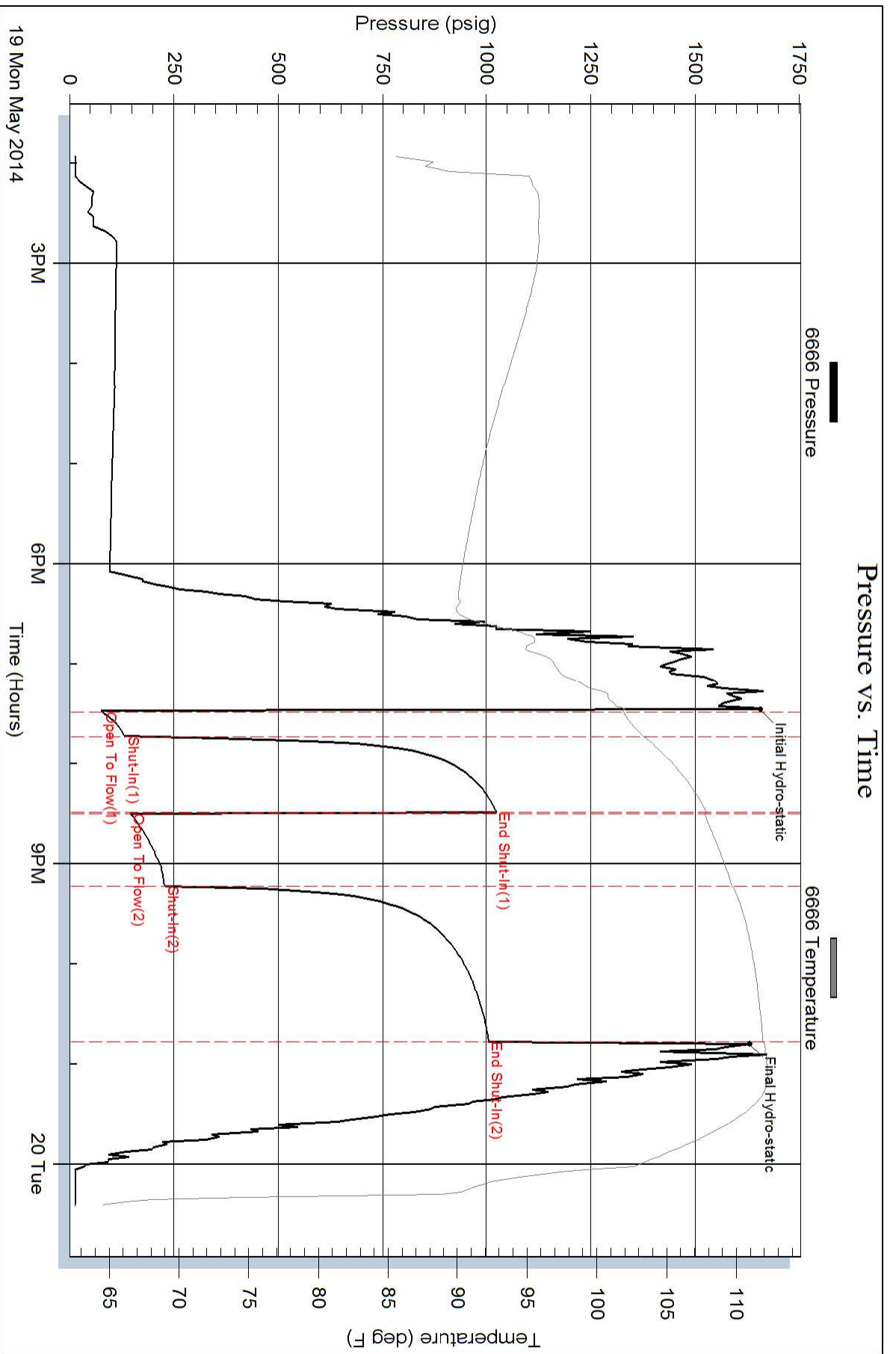
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

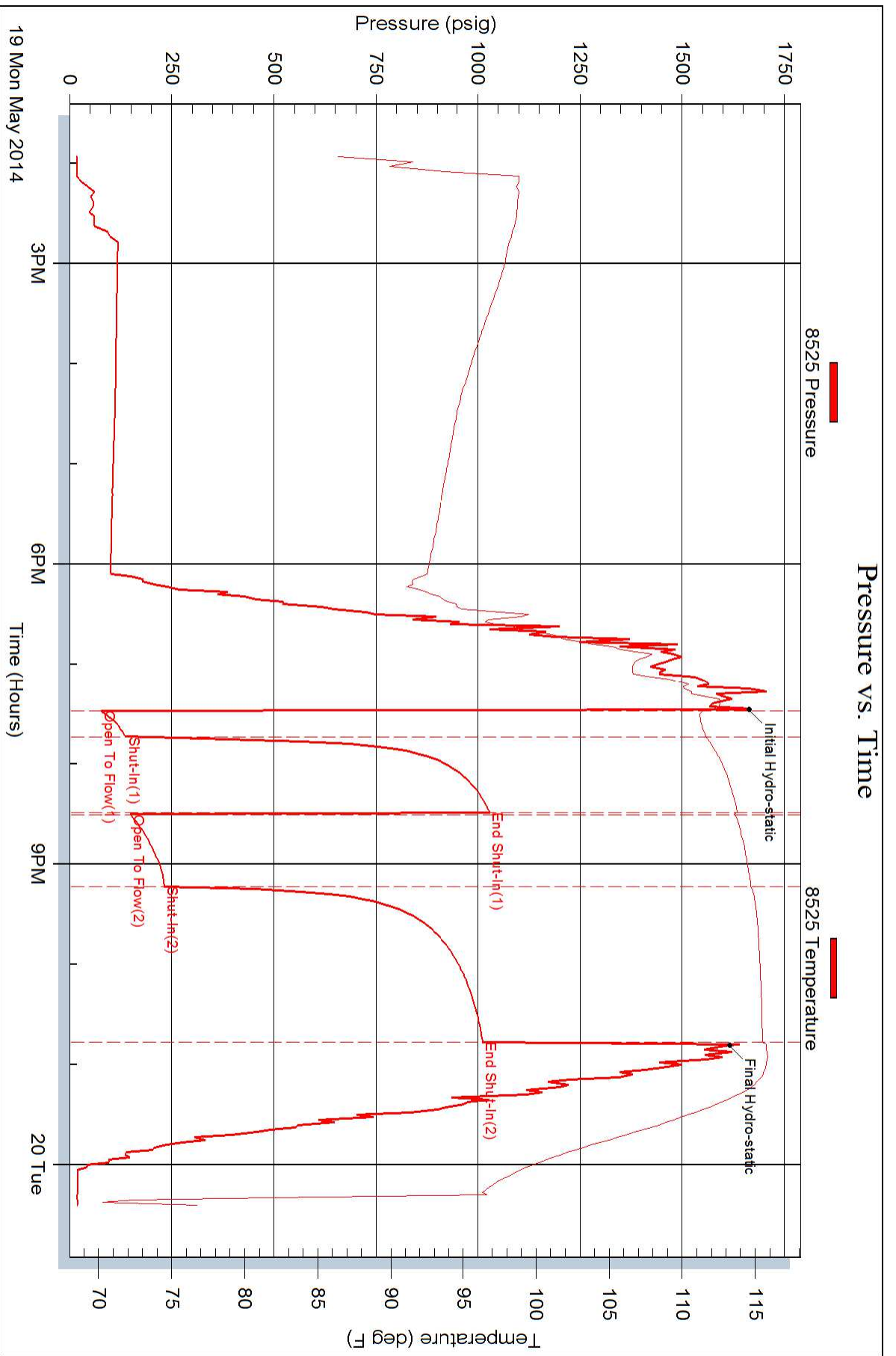
Recovery Information

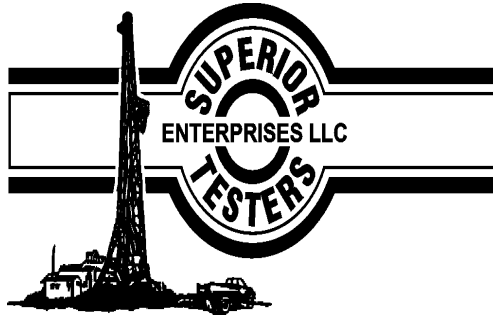
Recovery Table

Length ft	Description	Volume bbl
300.00	mud w ater 10 % mud 90%w ater	1.475
30.00	spot oil mud 1%oil 99%mud	0.148
0.00	chlorides 68,000	0.000

Total Length: 330.00 ft Total Volume: 1.623 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: chlorides 68,000







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources L.L.C**

2717 Canal Blvd Hays KS 67601

ATTN: Jeremy Schwartzs

Reif Trust #1-23

23-18-14 Barton

Start Date: 2014.05.20 @ 18:00:00

End Date: 2014.05.21 @ 01:12:30

Job Ticket #: 19242 DST #: 2

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

Printed: 2014.05.21 @ 02:31:04



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartzs

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19242 **DST#: 2**
 Test Start: 2014.05.20 @ 18:00:00

Tool Information

Drill Pipe:	Length: 3023.00 ft	Diameter: 3.80 inches	Volume: 42.40 bbl	Tool Weight:	1000.00 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: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 44.02 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	3371.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	68.00 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			3348.00	
Hydraulic Tool	5.00			3353.00	
Jars	6.00			3359.00	
Safety Joint	2.00			3361.00	
Top Packer	5.00			3366.00	
Packer	5.00			3371.00	28.00 Bottom Of Top Packer
Anchor	35.00			3406.00	
Recorder	1.00	6666	Inside	3407.00	
Recorder	1.00	8525	Outside	3408.00	
Bull Plug	3.00			3411.00	40.00 Anchor Tool
Total Tool Length:	68.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C
2717 Canal Blvd Hays KS 67601
ATTN: Jeremy Schwartzs

23-18-14 Barton
Reif Trust #1-23
Job Ticket: 19242 **DST#: 2**
Test Start: 2014.05.20 @ 18:00:00

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

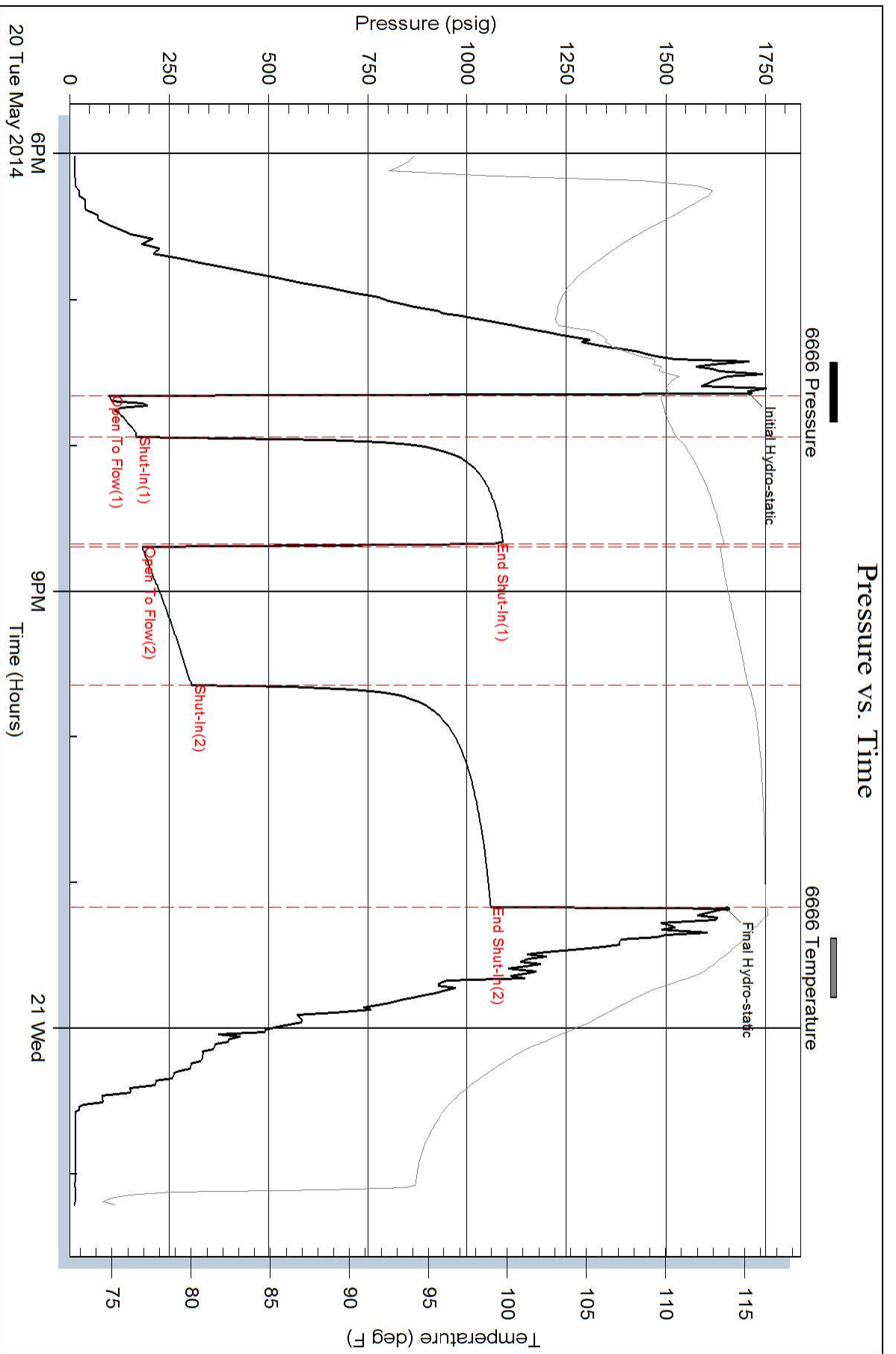
Length ft	Description	Volume bbl
330.00	gas oil 10%gas 90%oil	1.623
390.00	gas oil 10%gas 90%oil	5.471
0.00	gravity oil 44	0.000

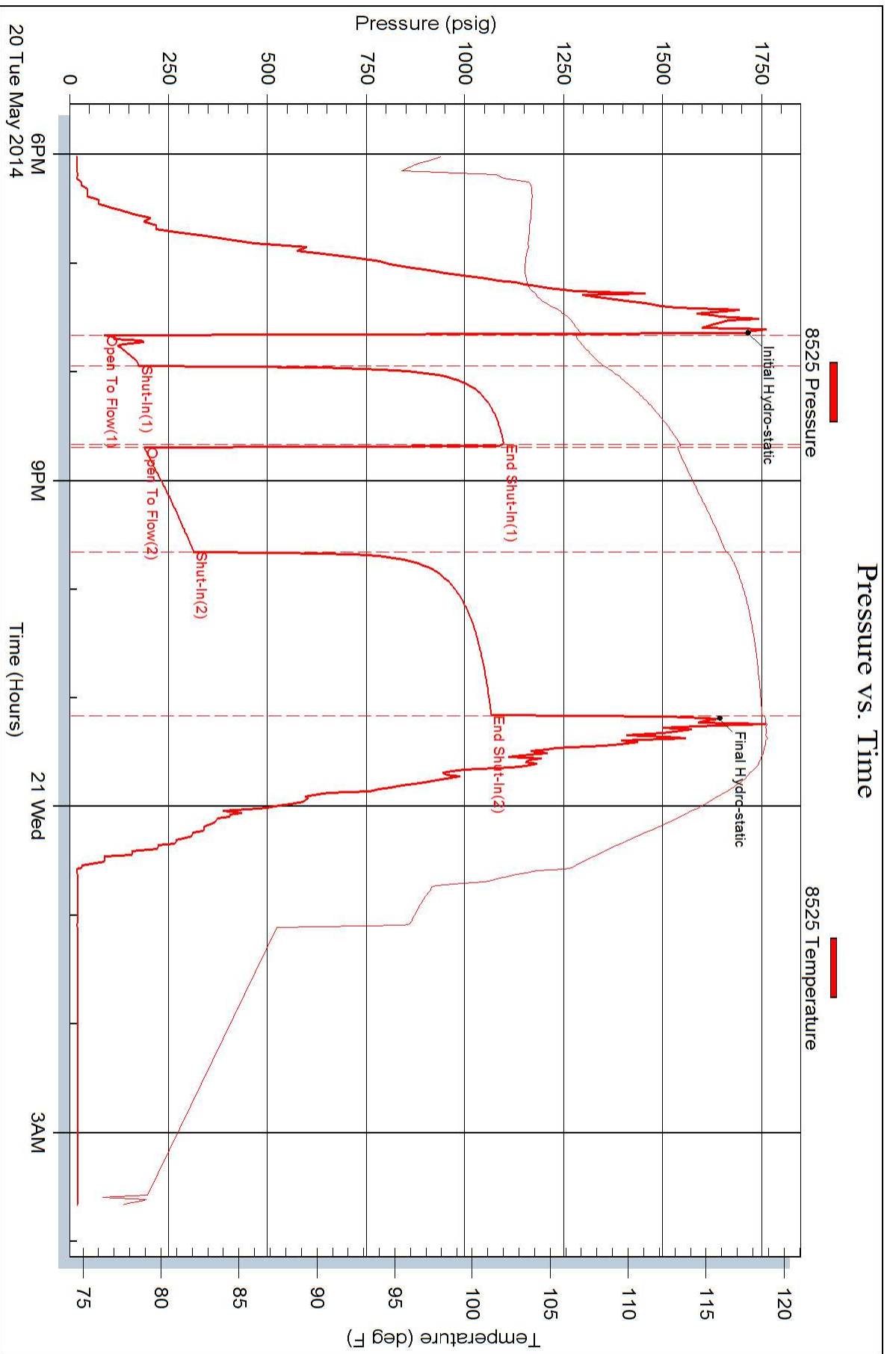
Total Length: 720.00 ft Total Volume: 7.094 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: gravity oil 44







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources L.L.C**

2717 Canal Blvd Hays KS 67601

ATTN: Jeremy Schwartz

Reif Trust #1-23

23-18-14 Barton

Start Date: 2014.05.21 @ 07:25:00

End Date: 2014.05.21 @ 14:21:00

Job Ticket #: 19243 DST #: 3

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

Printed: 2014.05.21 @ 15:34:50



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartzs

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19243 **DST#: 3**
 Test Start: 2014.05.21 @ 07:25:00

Tool Information

Drill Pipe:	Length: 3085.00 ft	Diameter: 3.80 inches	Volume: 43.27 bbl	Tool Weight: 1000.00 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: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 44.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3413.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	24.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool				3395.00	
Hydraulic Tool	5.00			3400.00	
Jars	6.00			3406.00	
Safety Joint	2.00			3408.00	
Packer	5.00			3413.00	18.00 Bottom Of Top Packer
Anchor	1.00			3414.00	
Recorder	1.00	6666	Inside	3415.00	
Recorder	1.00	8525	Outside	3416.00	
Bull Plug	3.00			3419.00	6.00 Anchor Tool
Total Tool Length:	24.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartz

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19243 **DST#: 3**
 Test Start: 2014.05.21 @ 07:25:00

Mud and Cushion Information

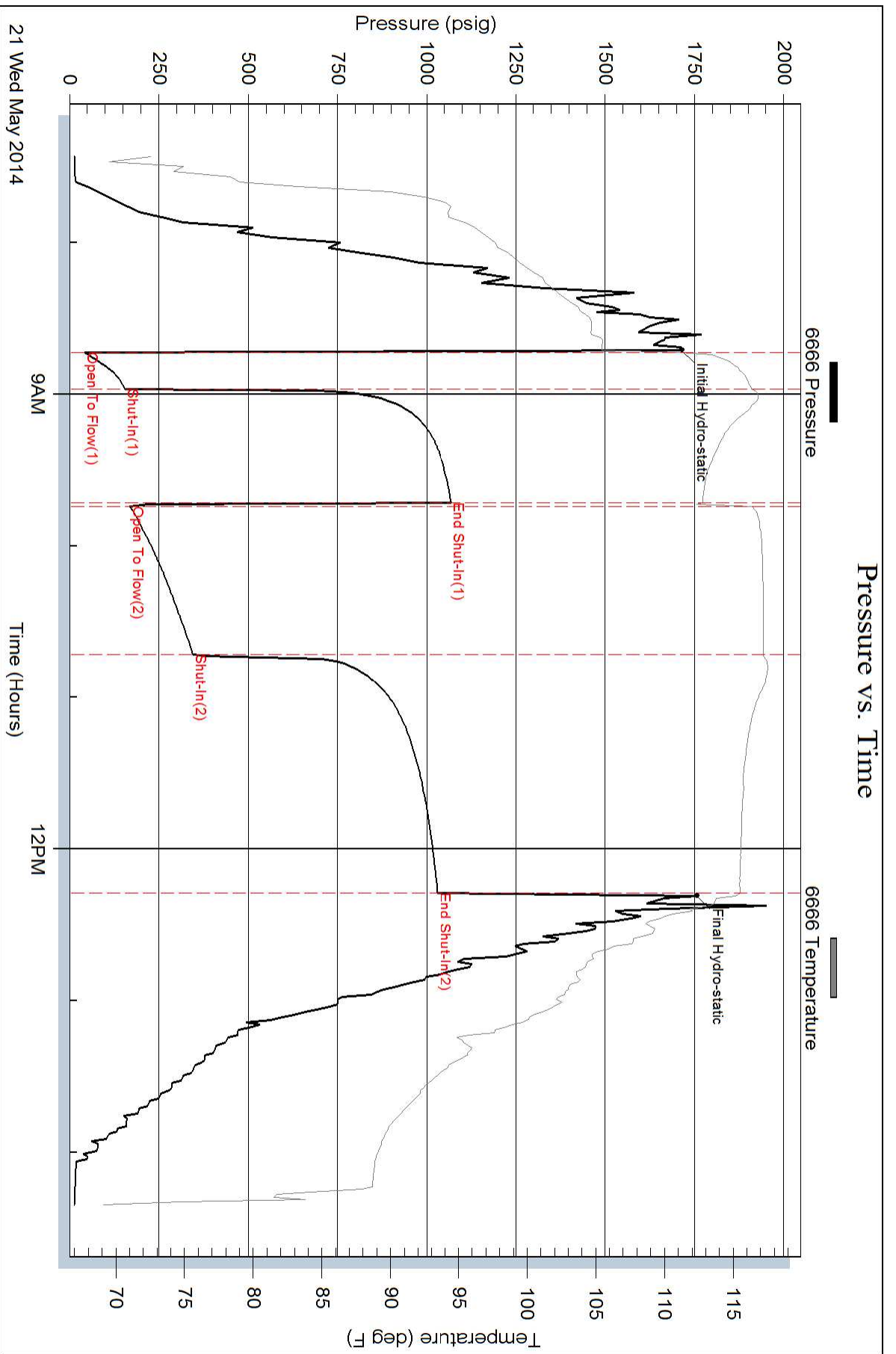
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5700.00 ppm			
Filter Cake: 1.00 inches			

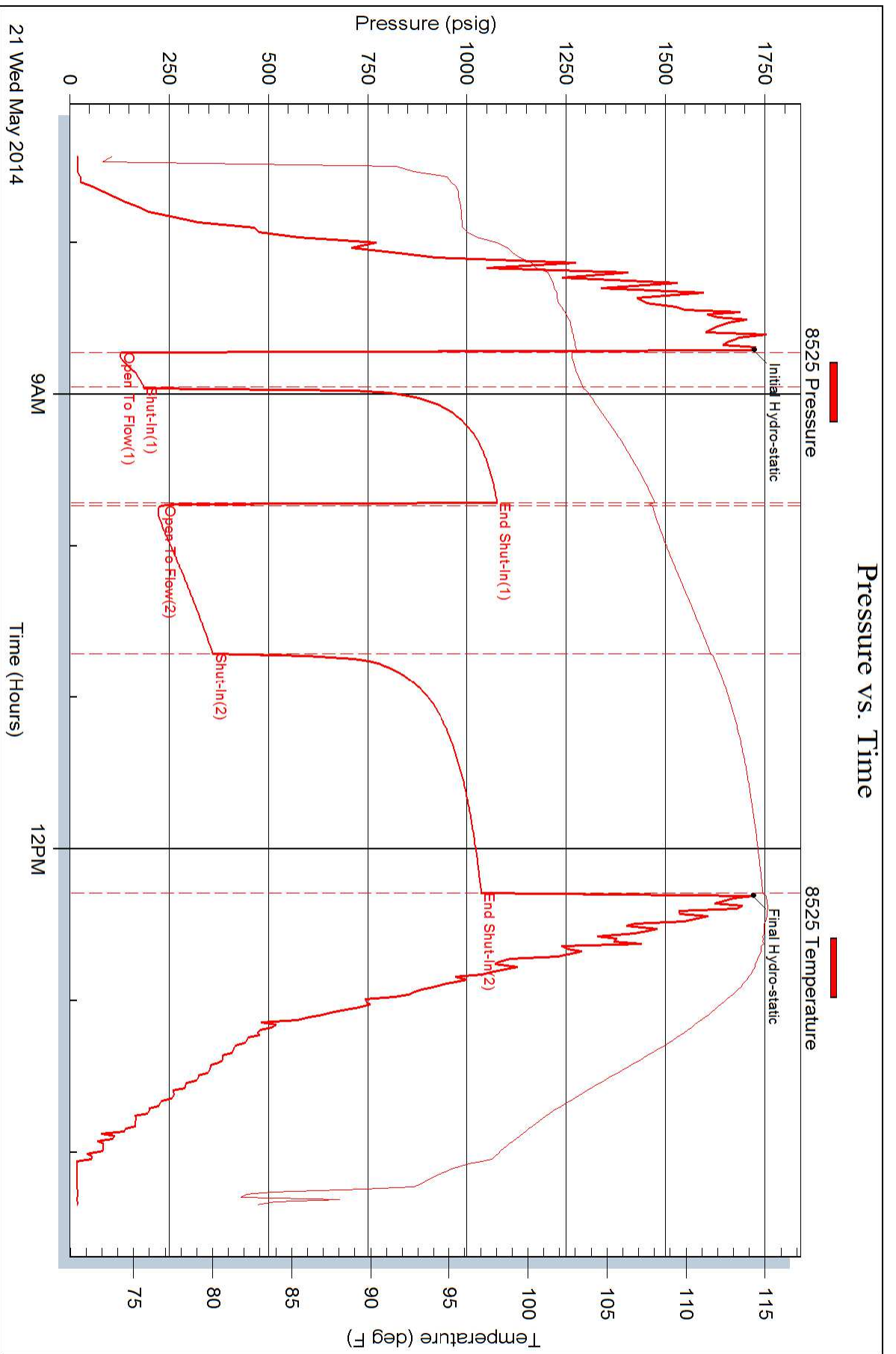
Recovery Information

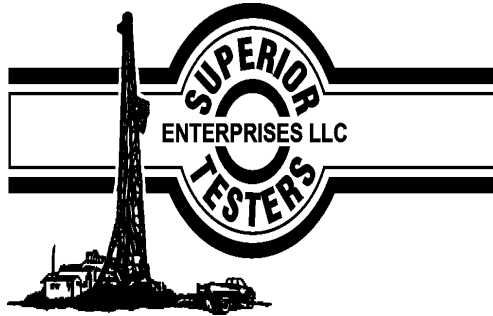
Recovery Table

Length ft	Description	Volume bbl
900.00	gas oil 15%gas 85%oil	9.618
0.00	gravity oil 45	0.000

Total Length: 900.00 ft Total Volume: 9.618 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Shelby Resources L.L.C**

2717 Canal Blvd Hays KS 67601

ATTN: Jeremy Schwartz

Reif Trust #1-23

23-18-14 Barton

Start Date: 2014.05.21 @ 21:00:00

End Date: 2014.05.22 @ 02:38:00

Job Ticket #: 19244 DST #: 4

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

Printed: 2014.05.22 @ 03:48:46



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartzs

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19244 **DST#: 4**
 Test Start: 2014.05.21 @ 21:00:00

Tool Information

Drill Pipe:	Length: 3087.00 ft	Diameter: 3.80 inches	Volume: 43.30 bbl	Tool Weight: 1000.00 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: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 44.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3420.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3402.00	
Hydraulic Tool	5.00			3407.00	
Jars	6.00			3413.00	
Safety Joint	2.00			3415.00	
Packer	5.00			3420.00	23.00 Bottom Of Top Packer
Anchor	3.00			3423.00	
Recorder	1.00	6666	Inside	3424.00	
Recorder	1.00	8525	Outside	3425.00	
Bull Plug	3.00			3428.00	8.00 Anchor Tool
Total Tool Length:	31.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartz

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19244 **DST#: 4**
 Test Start: 2014.05.21 @ 21:00:00

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: 9.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5700.00 ppm			
Filter Cake: 1.00 inches			

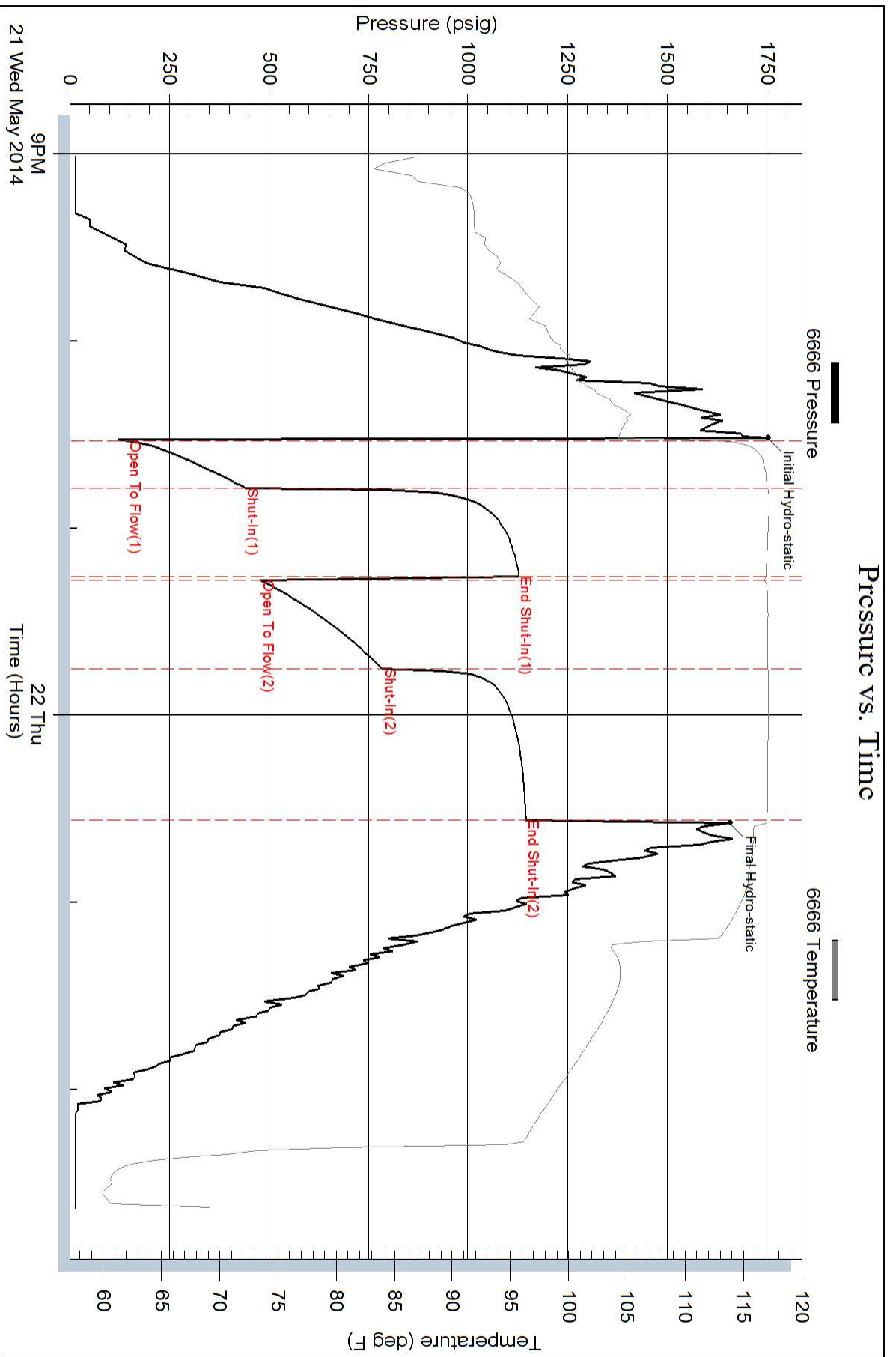
Recovery Information

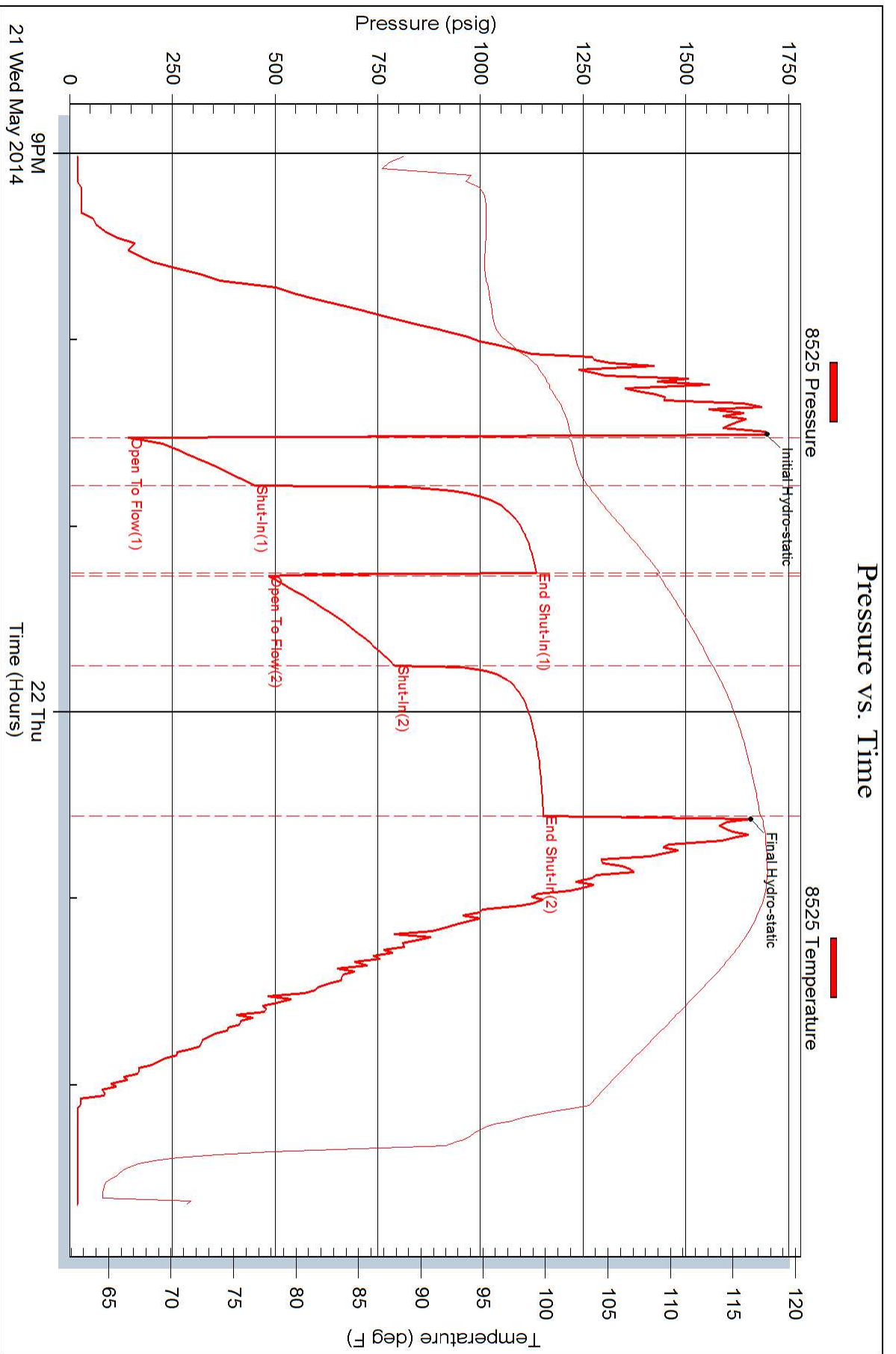
Recovery Table

Length ft	Description	Volume bbl
1680.00	water	20.560
0.00	chlorides 23,0000	0.000

Total Length: 1680.00 ft Total Volume: 20.560 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: chlorides 23,000

Pressure vs. Time







Scale 1:240 Imperial

Well Name: Reif Trust #1-23
 Surface Location: 1856' FSL_1063' FWL Sec 23-18S-14W
 Bottom Location:
 API: 15-009-25980-00-00
 License Number:
 Spud Date: 5/15/2014 Time: 4:30 PM
 Region: Barton County
 Drilling Completed: 5/22/2014 Time: 6:55 AM
 Surface Coordinates: Y = 656229 & X = 1901370
 Bottom Hole Coordinates:
 Ground Elevation: 1901.00ft
 K.B. Elevation: 1914.00ft
 Logged Interval: 2800.00ft To: 3540.00ft
 Total Depth: 3500.00ft
 Formation: Arbuckle
 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: Reif Trust #1-23
 Location: 1856' FSL_1063' FWL Sec 23-18S-14W API: 15-009-25980-00-00
 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 Reif Trust #1-23 was drilled to a total depth of 3500', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

4 DST's were conducted throughout the Lansing Kansas-City and Arbuckle Zones. The DST reports can be found at the bottom of this log.

Due to the DST results, sample shows, gas kicks, and log analysis it was determined by all parties involved to further test the well through production pipe. 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

Longitude: N/S Co-ord: Y = 656229
 E/W Co-ord: X = 1901370

Latitude:

CONTRACTOR

Contractor: Sterling Drilling Co
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 5/15/2014
 TD Date: 5/22/2014
 Rig Release:
 Time: 4:30 PM
 Time: 6:55 AM
 Time:

ELEVATIONS

K.B. Elevation: 1914.00ft
 K.B. to Ground: 13.00ft
 Ground Elevation: 1901.00ft

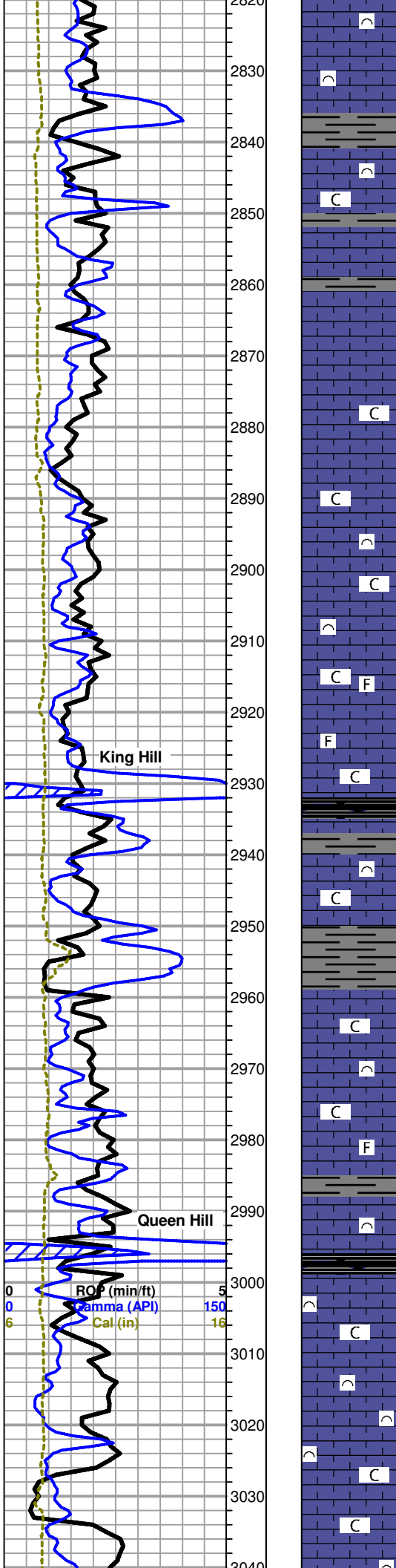
DATE	DEPTH	ACTIVITY
Sunday, May 18, 2014	2800'	Geologist Jeremy Schwartz on location @ 1315hrs, DRLG ahead through Topeka, TOH, rig down for repairs (tripped into surface casing at 3066' for pump rod)
Monday, May 19, 2014	3066'	Resume DRLG, DRLG ahead through Heebner, LKC, CFS @ 3184', Resume DRLG ahead through LKC, CFS @ 3226', Resume DRLG ahead, CFS @ 3240', Strap Out, Conduct DST #1 in LKC "A-F"
Tuesday, May 20, 2014	3240'	Successful Test, TIH, CTCH 1 hour, Resume DRLG through LKC G, CFS @ 3267', Resume DRLG, CFS @ 3336', Resume Drlg, CFS @ 3378', Resume DRLG, CFS @ 3405' Resume DRLG, CFS @ 3411, Conduct DST #2 in Arbuckle
Wednesday, May 21, 2014	3411'	Successful Test, TIH, CTCH 1 hour, Resume DRLG, CFS @ 3419', Conduct DST #3 in the Arbuckle, Successful test, TIH, CTCH 1 hour, Resume DRLG, CFS @ 3428' Conduct DST #4 in the Arbuckle,
Thursday, May 22, 2014	3428' 3500'	Successful Test, TIH, CTCH 1 hour, Resume DRLG ahead to TD, TD @ 3500' reached at 0655hrs, Conduct Logging Operations, Logging operations complete @ 1730hrs Geologist Jeremy Schwartz off location @ 1800hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	REIF TRUST #1-23
LEGAL:	NE SE NW SW 23-185-14W
COUNTY:	BARTON
API:	15-009-25980-00-00
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

REIF TRUST #1-23		SE SW NE SW 22-185-14W		C SE NE 23-185-14W		SW NE NE 21-185-14W										
KB	1914	KB	1916	KB	1900	KB	1942									
LOGG TOPS	SAMPLE TOPS	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.						
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP	842	1072	842	1072	856	1060	+ 12	+ 12	830	1070	+ 2	+ 2	886	1056	+ 16	+ 16
BASE	870	1044	864	1050	882	1034	+ 10	+ 16	860	1040	+ 4	+ 10	912	1030	+ 14	+ 20
TOPEKA	2860	-946	2862	-948	2878	-962	+ 16	+ 14	2852	-952	+ 6	+ 4	2898	-956	+ 10	+ 8
HEEBNER SHALE	3076	-1162	3078	-1164	3092	-1176	+ 14	+ 12	3074	-1174	+ 12	+ 10	3115	-1173	+ 11	+ 9
TORONTO	3091	-1177	3088	-1174	3100	-1184	+ 7	+ 10	3085	-1185	+ 8	+ 11	3123	-1181	+ 4	+ 7
DOUGLAS SHALE	3106	-1192	3110	-1196	3114	-1198	+ 6	+ 2	3100	-1200	+ 8	+ 4	3135	-1193	+ 1	- 3
BROWN LIME	3159	-1245	3160	-1246	3167	-1251	+ 6	+ 5	3157	-1257	+ 12	+ 11	3188	-1246	+ 1	+ 0
LKC	3168	-1254	3170	-1256	3176	-1260	+ 6	+ 4	3165	-1265	+ 11	+ 9	3196	-1254	+ 0	- 2
LKC G	3251	-1337	3252	-1338	3249	-1333	- 4	- 5	3236	-1336	- 1	- 2	3267	-1325	- 12	- 13
MUNCIE CREEK	3294	-1380	3296	-1382	3307	-1391	+ 11	+ 9	3290	-1390	+ 10	+ 8	3328	-1386	+ 6	+ 4
LKC H	3298	-1384	3300	-1386	3313	-1397	+ 13	+ 11	3298	-1398	+ 14	+ 12	3331	-1389	+ 5	+ 3
LKC J	3330	-1416	3331	-1417	3345	-1429	+ 13	+ 12	3330	-1430	+ 14	+ 13	3363	-1421	+ 5	+ 4
STARK SHALE	3348	-1434	3350	-1436	3363	-1447	+ 13	+ 11	3348	-1448	+ 14	+ 12	3382	-1440	+ 6	+ 4
BKC	3372	-1458	3373	-1459	3390	-1474	+ 16	+ 15	3376	-1476	+ 18	+ 17	3416	-1474	+ 16	+ 15
CONGLOMERATE	3386	-1472	3388	-1474	3395	-1479	+ 7	+ 5	3389	-1489	+ 17	+ 15	3420	-1478	+ 6	+ 4
ARBUCKLE	3400	-1486	3402	-1488	3424	-1508	+ 22	+ 20	3431	-1531	+ 45	+ 43	3439	-1497	+ 11	+ 9
RTD			3500	-1586	3550	-1634		+ 48	3435	-1535		- 51	3507	-1565		- 21
LTD			3500	-1586	3549	-1633	+ 47						3504	-1562	- 24	

PROGNOSIS		
ANHYDRITE TOP	835	1079
HEEBNER SHALE	3080	-1166
LANSING	3164	-1250
BKC	3378	-1464
ARBUCKLE	3422	-1508

TESTED	TESTED	TESTED
	DST #1 (3180 - 3240) LKC GTS 31MIN 1000' CO, 400'MO, 40'GCM BHP: 1055-685#/30"	DST #1 (3315 - 3340) LKC "H" Times: 15-45-45-90 1ST OPEN BOB 1MIN BB BOB, GTS THROUGHOUT 2nd Open BOB 1MIN, GTS 1MIN BB BOB
	DST #2 (3294 - 3340)	



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

Howard 2840 (-926)

LS, cream to tan and gray, micro-xln, fossiliferous and dense with poor visible porosity, some scattered soft and chally in part, no shows or odor

Topeka 2862 (-948)

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

LS as above, slightly chalky, no shows or odor

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

King Hill

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

LS as above

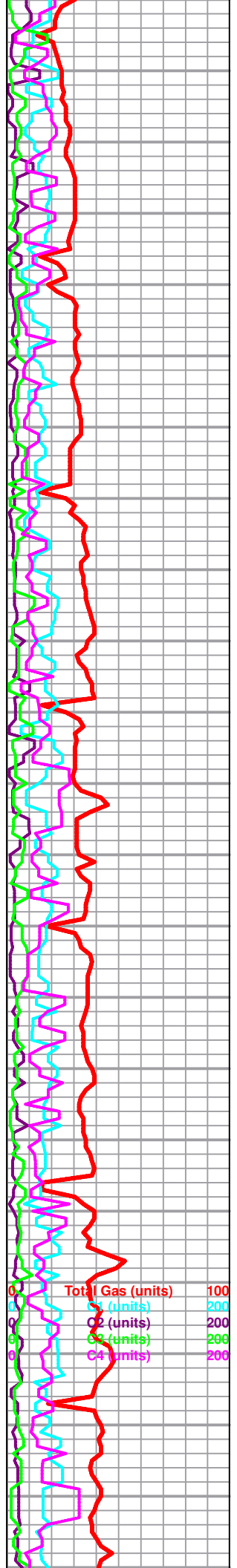
LS, cream to off-white with some scattered gray, micro-xln, some fossiliferous, some lithographic, dense with poor visible porosity, some soft and chalky, no shows or odor

Queen Hill

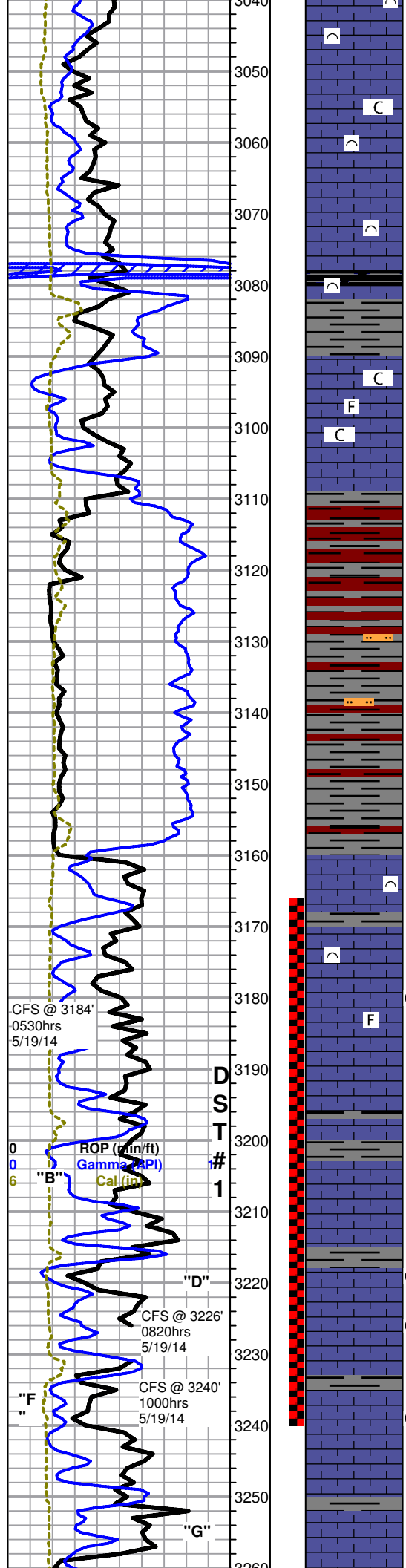
LS as above, no shows or odor

LS, cream to off-white with some scattered gray, micro-xln, fossiliferous, mostly dense with poor visible porosity, some scattered soft sand chalky in part, no shows or odor

LS as above, slightly chalky, no shows or odor



Total Gas (units) 100
 C1 (units) 200
 C2 (units) 200
 C3 (units) 200
 C4 (units) 200



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

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

LS as above

Heebner 3078 (-1164)
Shale, black carbonaceous, blocky and dense

LS, cream to off-white, lithographic, mostly dense with poor visible porosity, some soft and chalky in part, chalky, no shows or odor

Douglas Shale 3110 (-1196)
Shale, red and gray, mostly soft and waxy

Shale, mostly gray with some scattered red, soft and waxy as above, trace silty

As above

Brown Lime 3160 (-1246)
LS, brown, micro-xln, fossiliferous, hard and dense with no visible porosity, no shows or odor

LKC 3170 (-1256)
Reif Trust #1-23dst#1.jpg
LS, cream, micro-xln, mostly lithographic and dense with poor visible porosity, no shows or odor

3184' 20" LS, cream, micro-xln, mostly lithographic and dense with poor visible porosity, few very scattered chips (~5-10%) with one to two small vugs to slightly vuggy edges with black stain in porosity only, very slow weak cut, poor fleeting odor

40" LS, cream with some scattered gray, micro-xln, mostly lithographic, some scattered slightly fossiliferous, dense with poor visible porosity, no shows or odor

'LS, mostly cream with some gray, micro-xln, mostly lithographic, some slightly fossiliferous, dense with poor visible porosity, no shows or odor

LS, gray to cream, micro-xln, fossiliferous, dense with poor visible porosity, some (~20-30%), with scattered visible vf pinpoint porosity and scattered brown stain mostly in porosity only, few chips with very slight show free oil bleeding from matrix when left under lamp, very weak cut, poor fleeting odor

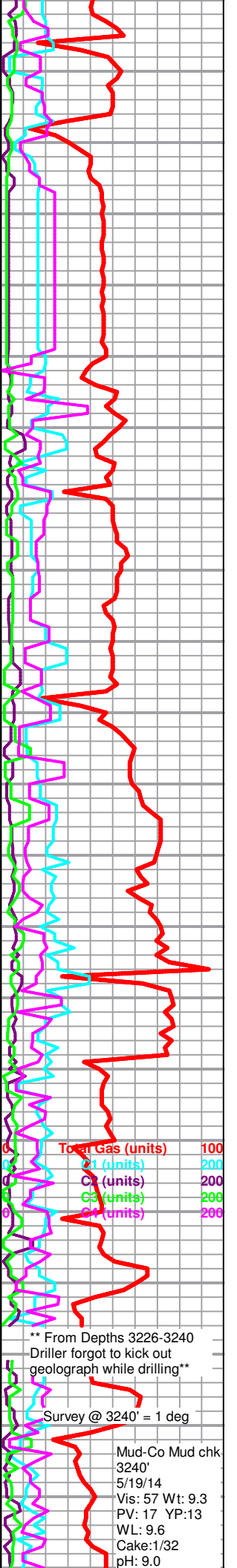
3226' 30" LS, mostly gray with some cream, micro-xln, fossiliferous and dense with poor visible porosity, few scattered chips (~5%) with several small edge vugs and brown to black stain in vugs only, upon break chips show poor inter-xln staining, NSFO, poor fleeting odor

LS, gray to cream, micro-xln, fossiliferous, mostly dense with poor visible porosity, few chips (<5%) with very scattered pinpoint porosity and one to two small edge vugs with brown to black residual stain, no odor

3240' 30" LS, gray to cream, micro-xln, some fossiliferous, some lithographic, dense with poor visible porosity, some scattered sub-oolitic with scattered inter-oolite porosity and very scattered poor brown stain, few chips also have several small vugs, upon break chips show poor inter-xln staining, very weak to no cut, fair fleeting odor

~3250 LS, gray to cream, micro-xln, some fossiliferous, some lithographic, dense with poor visible porosity, no shows or odor

3267' 20" LS, cream to gray, micro-xln, mostly lithographic and dense with poor

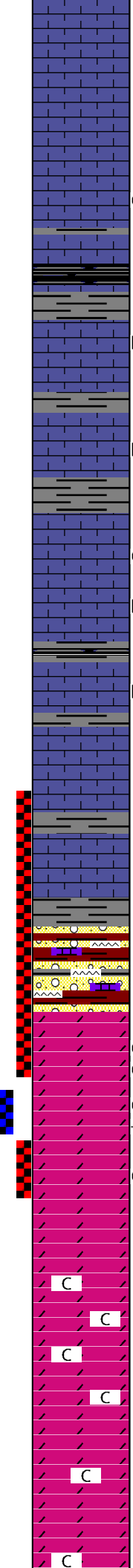
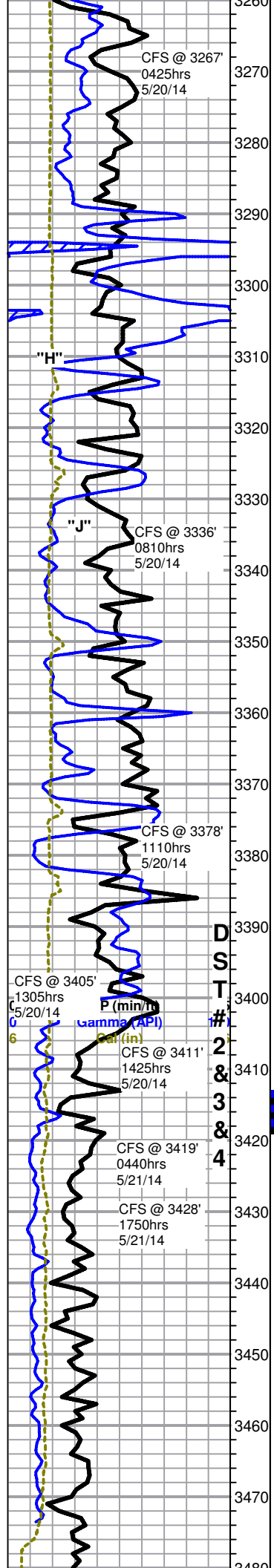


Total Gas (units) 100
OI (units) 200
CI (units) 200
CS (units) 200
CO (units) 200

** From Depths 3226-3240
Driller forgot to kick out geologist while drilling**

Survey @ 3240' = 1 deg

Mud-Co Mud chk
3240'
5/19/14
Vis: 57 Wt: 9.3
PV: 17 YP:13
WL: 9.6
Cake: 1/32
pH: 9.0



visible porosity, mostly barren, few chips with dead black stain in oomolds, one chip slightly vuggy with scattered black stain, slow streaming cut with bright white fluorescence, chalky, NSFO, poor odor

40" Mostly same as above with slightly less oomoldic, no shows or odor

LS, brown to cream, micro-crypto xln, mostly lithographic, hard and dense with no visible porosity

LS as above, also with some scattered cream, micro-xln, soft and chalky, slightly chalky sample, no shows or odor

LS as above, also with some (~20%) gray, micro-xln, oolitic and dense with poor visible porosity, few very scattered chips (~5%) with slightly oomoldic to vuggy edges and tarry, wet black stain in porosity, fair streaming cut with dull fluorescence, NSFO, poor odor

Muncie Creek 3296 (-1382)

LS, cream, micro-xln, mostly lithographic and dense with poor visible porosity, few very scattered chips sub-oomoldic with dead black scattered stain in some oomolds, trace black shale, poor odor

LS as above, trace black shale

3336' 30" LS, gray to cream, micro-crypto xln, mostly lithographic, hard and dense with poor to no visible porosity, some scattered soft and chalky in part, one chip sub-oolitic with slightly vuggy edge and very scattered poor light golden brown stain in porosity only, NSFO, poor odor

LS, cream to gray with some scattered light brown, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered (~10-15%) with one to two small vugs to slightly vuggy edges with wet, tarry black to dead black to brown residual stain in porosity only, NSFO, poor odor

Stark Shale 3350 (-1436)

LS, cream to off-white, micro-xln, mostly lithographic with poor visible porosity, some scattered soft and chalky, few chips with very scattered dead black residual stain, no odor

BKC 3373 (-1459)

3378' 30" LS, cream to off-white, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered soft and chalky, trace oolitic, poor visible porosity, barren, no shows or odor

Conglomerate 3388 (-1474)

Mixed LS, shales, and cherts, some scattered oolitic chert, heavy red wash, no shows or odor

Arbuckle 3402 (-1488)

3405' 30" Dolomite, white to off-white, micro-xln, mostly sub-sucrosic and dense with poor development and porosity, few very scattered (<5%) chips med-xln, with poor sub-rhombic development, friable, with very scattered brown stain, upon break VSSFO, also with conglomerate (~50/50), poor odor

3405' 45" As above, with slight increase in sub-sucrosic with poor to fair sub-rhombic development, mostly barren, some with very scattered very slight stain, upon break chips have SSFO, poor odor

3411' 30" Dolomite, white to off-white, some sub-sucrosic and dense with poor visible porosity, barren, also with some (~25%) sub-sucrosic, med-xln, with poor to fair sub-rhombic development, some scattered with several small vugs and very scattered spotty brown stain, upon break chips have slight to fair show free oil, few chips (~5%) sucrosic and rhombic with fair to good inter-xln porosity, several chips also slightly vuggy, when left under lamp for several minutes chips show saturated brown stain, fair odor

3411' 60" As above, with less sucrosic, few very scattered chips cream, micro-xln, sub-sucrosic with mostly saturated light golden brown stain, fair odor

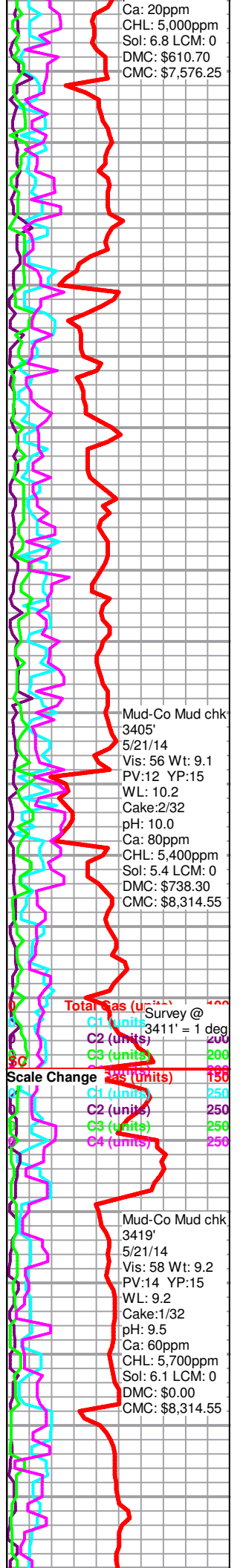
Reif Trust #1-23dst#2.jpg

3419' 30" Dolomite, white, micro-xln, mostly sub-sucrosic with poor visible porosity, some scattered (~15%) sub-sucrosic with poor to fair sub-rhombic development and scattered brown to black stain, some friable, upon break chips have fair to good show free oil and slight show gas bubbles, fair odor

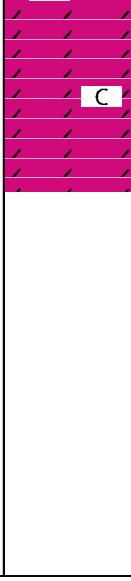
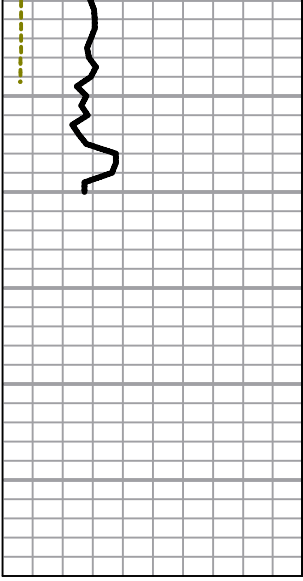
3419' 60" Dolomite, white, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, some friable with very scattered brown to black stain, slight show free oil upon break, fair odor

Reif Trust #1-23dst#3.jpg

3428' 30" Dolomite, white, micro-med xln, mostly sub-sucrosic and dense with




3460
3490
3500
3510
3520
3530



3428' 60" Dolomite, white, micro-med xln, mostly sub-sucrosic and dense with poor visible porosity and scattered to very scattered black gilsonian stain with dull fluorescence, some scattered (~10%) with fair rhombic development and fairly friable, few chips with slight show black free oil droplets upon break and poor visible inter-xln porosity, poor odor

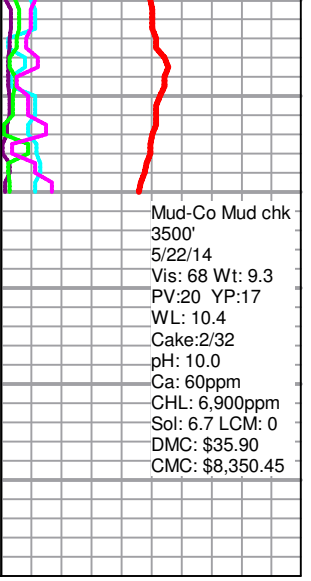
3428' 60" Mostly same as above, some chips with fair show free oil upon break (black to very light brown and opaque droplets), poor odor

 Reif Trust #1-23dst#4.jpg

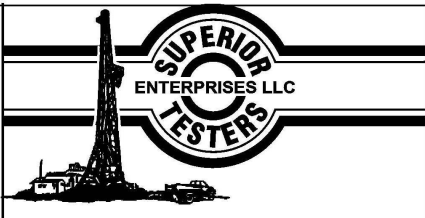
3440'-3460' Dolomite, white, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, some scattered chips sucrosic with fair rhombic development, fairly friable, barren, chalky, no odor

3460'-3500' Dolomite as above, with slight increase in sucrosic, slightly chalky, barren, no odor

Rotary TD 3500' @ 0655hrs 5/22/14
Nabors Well Services Logging TD @ 3500'
Complete Logging Operations @ 1730hrs 5/22/14
Geologist Jeremy Schwartz off location @ 1800hrs 5/22/14



Mud-Co Mud chk
3500'
5/22/14
Vis: 68 Wt: 9.3
PV:20 YP:17
WL: 10.4
Cake:2/32
pH: 10.0
Ca: 60ppm
CHL: 6,900ppm
Sol: 6.7 LCM: 0
DMC: \$35.90
CMC: \$8,350.45



DRILL STEM TEST REPORT

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartz

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19241 **DST#: 1**
 Test Start: 2014.05.19 @ 13:55:00

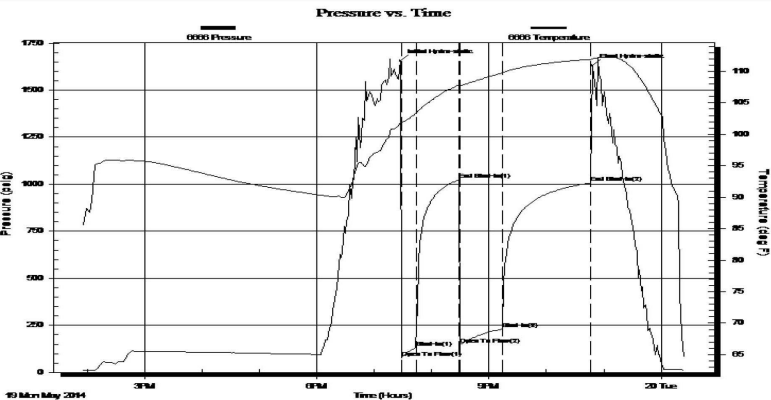
GENERAL INFORMATION:

Formation: **Lansing " A - F "**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 19:29:00 Tester: Jared Scheck
 Time Test Ended: 00:25:00 Unit No: 3335-Great Bend-
 Interval: **3166.00 ft (KB) To 3240.00 ft (KB) (TVD)** Reference Elevations: 1914.00 ft (KB)
 Total Depth: 3240.00 ft (KB) (TVD) 1901.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

Serial #: 6666

Press@RunDepth: 229.51 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.05.19 End Date: 2014.05.20 Last Calib.: 2014.05.20
 Start Time: 13:55:00 End Time: 00:25:00 Time On Btm: 2014.05.19 @ 19:27:30
 Time Off Btm: 2014.05.19 @ 22:48:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 3 inches from bottom of bucket in 15 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 1 inch from bottom of bucket in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.49	102.03	Initial Hydro-static
2	79.61	101.92	Open To Flow (1)
17	133.13	103.36	Shut-In(1)
62	1023.99	107.85	End Shut-In(1)
63	145.94	107.72	Open To Flow (2)
106	229.51	109.71	Shut-In(2)
199	1006.03	111.90	End Shut-In(2)
201	1630.11	112.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	mud w ater 10 % mud 90%w ater	1.48
30.00	spot oil mud 1%oil 99%mud	0.15
0.00	chlorides 68,000	0.00

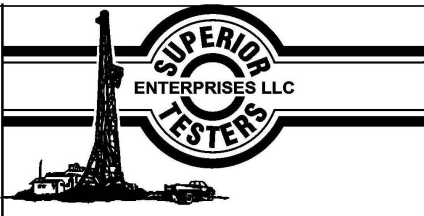
Gas Rates

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

DRILL STEM TEST REPORT

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartz

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19242 **DST#: 2**
 Test Start: 2014.05.20 @ 18:00:00



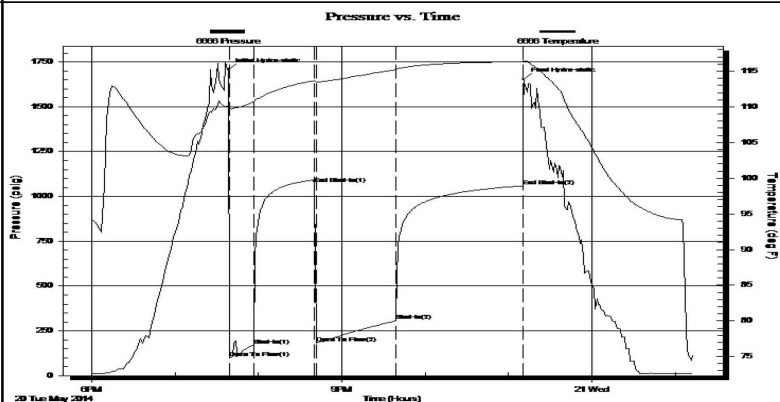
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:39:30
 Time Test Ended: 01:12:30
 Interval: **3371.00 ft (KB) To 3411.00 ft (KB) (TVD)**
 Total Depth: 3411.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3335-Great Bend-25
 Reference Elevations: 1914.00 ft (KB)
 1901.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6666

Press@RunDepth: 306.44 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.05.20 End Date: 2014.05.21 Last Calib.: 2014.05.21
 Start Time: 18:00:00 End Time: 01:12:30 Time On Btm: 2014.05.20 @ 19:38:30
 Time Off Btm: 2014.05.20 @ 23:11:00

TEST COMMENT: 1st Opening 15 Minutes-Strong blow built bottom of bucket in 9 1/2 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 10 1/2 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

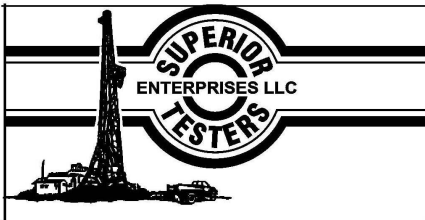
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.96	110.19	Initial Hydro-static
1	98.38	109.75	Open To Flow (1)
18	168.11	110.69	Shut-In(1)
62	1069.38	113.67	End Shut-In(1)
63	181.93	113.49	Open To Flow (2)
121	306.44	115.20	Shut-In(2)
212	1058.99	116.31	End Shut-In(2)
213	1653.32	116.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	gas oil 10%gas 90%oil	1.62
390.00	gas oil 10%gas 90%oil	5.47
0.00	gravity oil 44	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartz

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19243 **DST#: 3**
 Test Start: 2014.05.21 @ 07:25:00

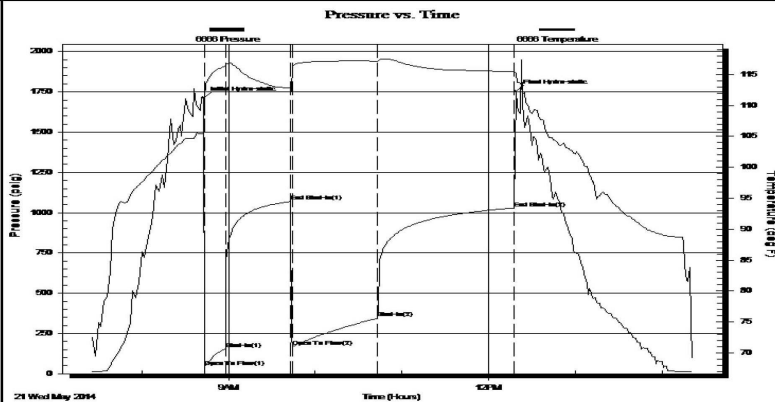
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:43:30
 Time Test Ended: 14:21:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3335-Great Bend -25
 Interval: **3413.00 ft (KB) To 3419.00 ft (KB) (TVD)**
 Total Depth: 3419.00 ft (KB) (TVD)
 Reference Elevations: 1914.00 ft (KB)
 1901.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 13.00 ft

Serial #: 6666

Press@RunDepth: 345.14 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.05.21 End Date: 2014.05.21 Last Calib.: 2014.05.21
 Start Time: 07:25:00 End Time: 14:21:00 Time On Btm: 2014.05.21 @ 08:42:30
 Time Off Btm: 2014.05.21 @ 12:18:30

TEST COMMENT: 1st Opening 15 Minutes-Strong blow built bottom of bucket in 5 minutes
 1st Shut-in 45 Minutes-1 inch blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 6 1/2 minutes
 2nd Shut-in 90 Minutes-2 inch blow back



PRESSURE SUMMARY

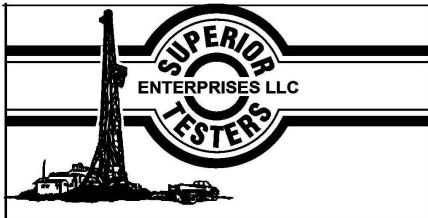
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.03	105.45	Initial Hydro-static
1	42.30	111.14	Open To Flow (1)
16	155.09	116.34	Shut-In(1)
61	1068.75	112.77	End Shut-In(1)
62	168.62	116.39	Open To Flow (2)
121	345.14	117.17	Shut-In(2)
215	1028.92	115.50	End Shut-In(2)
216	1755.73	115.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
900.00	gas oil 15%gas 85%oil	9.62
0.00	gravity oil 45	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Shelby Resources L.L.C
 2717 Canal Blvd Hays KS 67601
 ATTN: Jeremy Schwartz

23-18-14 Barton
Reif Trust #1-23
 Job Ticket: 19244 **DST#: 4**
 Test Start: 2014.05.21 @ 21:00:00

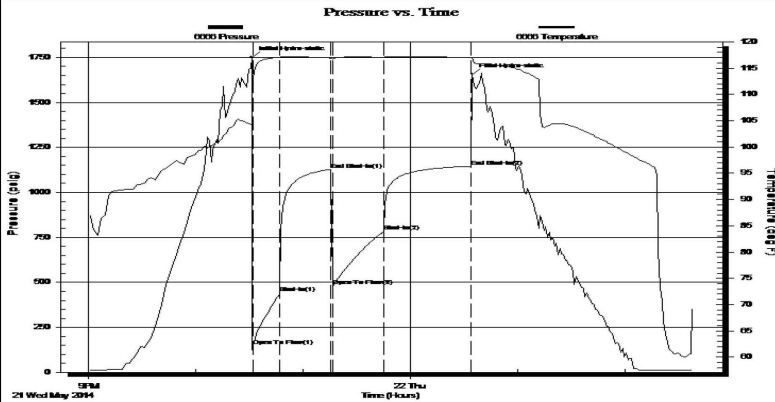
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:32:00
 Time Test Ended: 02:38:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3335-Great Bend -25
Interval: 3420.00 ft (KB) To 3428.00 ft (KB) (TVD)
 Total Depth: 3428.00 ft (KB) (TVD)
 Reference Elevations: 1914.00 ft (KB)
 1901.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 13.00 ft

Serial #: 6666

Press@RunDepth: 783.11 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.05.21 End Date: 2014.05.22 Last Calib.: 2014.05.22
 Start Time: 21:00:00 End Time: 02:38:00 Time On Btm: 2014.05.21 @ 22:31:00
 Time Off Btm: 2014.05.22 @ 00:34:30

TEST COMMENT: 1st Opening 15 Minutes-Strong blow built bottom of bucket in 1 1/2 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 30 Minutes-Strong blow built bottom of bucket in 2 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.39	104.28	Initial Hydro-static
1	144.95	113.06	Open To Flow (1)
16	439.17	117.01	Shut-In(1)
45	1125.86	116.92	End Shut-In(1)
46	478.68	116.75	Open To Flow (2)
74	783.11	117.05	Shut-In(2)
123	1145.08	117.03	End Shut-In(2)
124	1655.47	116.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1680.00	water	20.56
0.00	chlorides 23,0000	0.00

Gas Rates

Choke (inches)	Pressure (psig)	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. 127

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-16-14	23	18	14	BARTON	KANSAS		12:30 PM

Lease	Well No.	Owner
REIF TRUST	1-23	To Quality Oilwell Cementing, Inc.

Contractor	Job	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
STERLING	LONG SURFACE		

Hole Size	T.D.	Charge To
12 1/4	863	SHELBY RESOURCES LLC

Csg.	Depth	Street
8 5/8	858	

Tbg. Size	Depth	City	State

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

Cement Left in Csg.	Shoe Joint	Cement Amount Ordered
40'	40'	375 sx ⁶⁰ / ₄₀ 3%cc 2% Gel

Meas Line	Displace	Y ₂ # F10-Seal PER SX
	52 1/4 / BBL	

EQUIPMENT

Pumptrk	No.	Cement	Common
18		Glenn G.	225
		Helper	Poz. Mix
		Cody B.	150
Bulktrk	No.	Driver	Gel.
4		Doug H.	7
		Driver	Calcium
		Driver	14

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand

RAN 20 New JOINTS OF 23 #8 csg.	Handling
Set @ 858, Received Circulation	386
Circulate 1/4 HR.	Mileage

8 5/8 FLOAT EQUIPMENT

Mixed 375 sx ⁶⁰ / ₄₀ 3+2 w/ 1/2 # F10-Seal	Guide Shoe
Per SX. Release T.R.P.	- Slip-On-Type
	Solid Rubber Plug
	BAFFEL PLATE
	AFU Inserts
Displace A TOTAL OF 52 1/4 BBL/H ₂ O	Float Shoe
LAND Plug @ 600 #.	Latch Down
SHUT IN @ 600 #.	

Cement Did Circulate	Pumptrk Charge
TO SURFACE.	LONG SURFACE
THANK'S	Mileage
	15

Signature alan Loftis	Tax
	Discount
	Total Charge

Customer <i>Shelby Resources LLC</i>	Lease No.	Date <i>5-10-14</i>			
Lease <i>NANCY</i>	Well # <i>3-17</i>				
Field Order # <i>10462</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>	Depth <i>3511</i>	County <i>Barton</i>	State <i>KS</i>
Type Job <i>CNW Long String</i>	Formation	Legal Description <i>17-17-13</i>			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft		Acid <i>100 SKS AA2</i>	RATE	PRESS	ISIP	
Depth <i>3511</i>	Depth	From	To	Pre Pad <i>100 SKS 60/40 P02</i>	Max			5 Min.
Volume <i>85.67</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>3489.55</i>	Packer Depth	From	To	Flush <i>85.1</i>	Gas Volume			Total Load

Customer Representative *Chas Gottschalk* Station Manager *Kevin Gaudin* Treater *Mike Mattai*

Service Units	<i>37584</i>	<i>33708</i>	<i>20920</i>	<i>19959</i>	<i>73768</i>				
Driver Names	<i>MATTAI</i>	<i>Eggins</i>		<i>ERST</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>11:00 AM</i>					<i>ON LOCATION, SAFETY MATING</i>
<i>11:25</i>					<i>RUN 5 1/2 14" CSN BUBBL ON BOTTOM OF TURBOS ON 1, 3, 5, 7, 8</i>
<i>1:02</i>					<i>CSN ON BOTTOM</i>
<i>1:10</i>					<i>HOOK UP TO CSN/Brown circ w. Rig</i>
<i>2:11</i>	<i>200</i>		<i>3</i>	<i>5</i>	<i>PUMP 3 BBL AA2</i>
<i>2:12</i>	<i>200</i>		<i>12</i>	<i>5</i>	<i>Mix 50 SKS Seawater</i>
<i>2:15</i>	<i>200</i>		<i>24</i>	<i>5.5</i>	<i>Mix 100 SKS AA2</i>
<i>2:25</i>			<i>4</i>	<i>3</i>	<i>WASH PUMP + LINS, RELEASE PLUG</i>
<i>2:28</i>	<i>100</i>			<i>6</i>	<i>START DISPLACEMENT</i>
<i>2:40</i>	<i>300</i>		<i>60</i>	<i>5.5</i>	<i>LIFT PRESSURE</i>
<i>2:43</i>	<i>600</i>		<i>75</i>	<i>4</i>	<i>SLOW RATE</i>
<i>2:46</i>	<i>1500</i>		<i>+500 85.1</i>		<i>Plug down, released + hold</i>
<i>2:50</i>			<i>7.5</i>		<i>Plug RAT + more hold</i>
					<i>Circ. Thru JOB</i>
					<i>JOB COMPLETE</i>
					<i>Thank You!</i>
					<i>Mike Mattai</i>