



KANSAS CORPORATION COMMISSION 1161896  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total 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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1161896

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Schlessiger Cattle 1-2
Doc ID	1161896

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Schlessiger Cattle 1-2
Doc ID	1161896

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3333-37		
4	3314-17		
2	3115-19	250 gal 15% NE	
2	3136-38	500 gal 15% NE	
2	3141-45	500 gal 15% NE	
2	3225-28'	500 gal 15% NE	
2	3264-68	500 gal 15% NE	

# 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. 6847

Date 5-18-13 Sec. 2 Twp. 18 Range 14 County Barton State KS On Location 11:45 AM Finish 2:00 pm

Schelessing Cattle

Location 281 & 4 25 1/2 E 30 Ave 1/2 N

Lease Schelessing Cattle Well No. 1-2 Owner West into

Contractor Steckling To Quality Oilwell Cementing, Inc.  
Type Job Surface 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. 808 Charge To Shelby Resources

Csg. 8 5/8 Depth 804.23 Street Shelby Resources

Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

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

Cement Left in Csg. 28.27A Shoe Joint 28.27A Cement Amount Ordered 375 60/40

Meas Line \_\_\_\_\_ Displace 49.5 3% cc 2% gel

**EQUIPMENT** Common 225

Pumptrk 5 No. Cementer Matt Poz. Mix 150

Bulktrk 4 No. Driver Cody Gel. 7

Bulktrk 14 No. Driver Doug Calcium 14

**JOB SERVICES & REMARKS** Hulls \_\_\_\_\_

Remarks: \_\_\_\_\_ Salt \_\_\_\_\_

Rat Hole \_\_\_\_\_ Flowseal \_\_\_\_\_

Mouse Hole \_\_\_\_\_ Kol-Seal \_\_\_\_\_

Centralizers \_\_\_\_\_ Mud CLR 48 \_\_\_\_\_

Baskets \_\_\_\_\_ CFL-117 or CD110 CAF 38 \_\_\_\_\_

D/V or Port Collar \_\_\_\_\_ Sand \_\_\_\_\_

~~Wood lease~~ Schelessing Handling 386

Cattle 1-2 Mileage \_\_\_\_\_

**FLOAT EQUIPMENT**

Guide Shoe \_\_\_\_\_

Centralizer \_\_\_\_\_

Baskets \_\_\_\_\_

AFU Inserts \_\_\_\_\_

Float Shoe \_\_\_\_\_

Latch Down \_\_\_\_\_

Weld on Shoe \_\_\_\_\_

Rubber plug / Baffle plate: \_\_\_\_\_

Pumptrk Charge Long Surface

Mileage 15

Signature [Signature] Tax \_\_\_\_\_

Discount \_\_\_\_\_ Total Charge \_\_\_\_\_

Cement  
circulated

Thanks!

Weld on Shoe  
Rubber plug / Baffle plate:  
Pumptrk Charge Long Surface  
Mileage 15

Customer <i>SHELBY - Ros</i>	Lease No.	Date <i>05-26-13</i>			
Lease <i>SCHLESSIGER Cattle</i>	Well # <i>1-2</i>				
Field Order # <i>8584</i>	Station <i>PRATT</i>	Casing <i>5 1/2</i>	Depth <i>3411</i>	County <i>BARTON</i>	State <i>KS</i>
Type Job <i>CNW Longstrip</i>	Formation	Legal Description <i>2-18-14</i>			

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>14 5/8</i>							5 Min.
Depth <i>3411</i>	Depth	From	To	Pre Pad	Max		
Volume <i>83</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>2000</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>H.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>3371</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert L. [unclear]</i>
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Service Units	<i>37900</i>	<i>33708</i>	<i>20920</i>	<i>19831</i>	<i>19862</i>				
Driver Names	<i>Callahan</i>	<i>Melton</i>	<i>Perison</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0:45</i>					<i>ON h.c salt, maint.</i>
					<i>Run 82 STS 5 1/2" 14 csg.</i>
					<i>Basket Bottom Shoe. cut 2, 3, 4, 6, 8, 10.</i>
<i>12:20</i>					<i>CASING ON BOTTOM</i>
<i>12:30</i>					<i>Hook Re. circ. csg.</i>
<i>1:35</i>	<i>150</i>		<i>3</i>	<i>4</i>	<i>1st SPACER</i>
			<i>12</i>		<i>mix SCAVENGER cont 50sk</i>
			<i>36</i>	<i>5</i>	<i>mix Tail 150 sk 21.7 cont</i>
					<i>cont mix 1/2 shut down wait, pump, lower</i>
					<i>Release - Plug</i>
				<i>6.5</i>	<i>1st Disp.</i>
	<i>250</i>		<i>48</i>		<i>1st PS.</i>
	<i>500</i>		<i>70</i>	<i>2.5</i>	<i>Slow Rate</i>
<i>2:15</i>	<i>1500</i>		<i>83</i>		<i>Plug down</i>
			<i>7</i>		<i>plug RH of 50sk</i>
			<i>5</i>		<i>plug MH of 2001</i>
					<i>JOB Complete</i>
					<i>Thank you</i>



## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Blvd. Hays Kansas 67601

ATTN: Jeremy Schwartz

### **Schlessiger Cattle**

#### **2-18s-14w-Barton**

Start Date: 2013.05.22 @ 05:40:00

End Date: 2013.05.22 @ 12:41:30

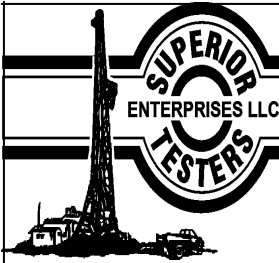
Job Ticket #: 18378                      DST #: 1

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

Printed: 2013.05.23 @ 21:54:52







# DRILL STEM TEST REPORT

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

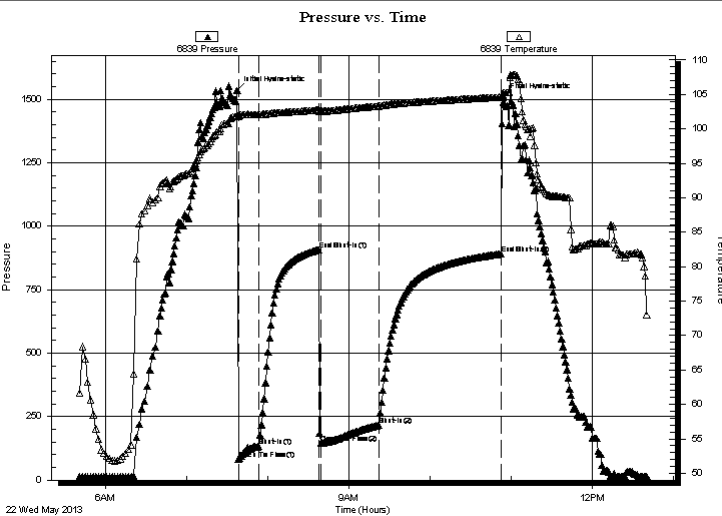
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18378      **DST#: 1**  
 Test Start: 2013.05.22 @ 05:40:00

## GENERAL INFORMATION:

Formation: **Lansing A-D**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 07:38:30  
 Time Test Ended: 12:41:30  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-Great Bend-30  
 Interval: **3093.00 ft (KB) To 3154.00 ft (KB) (TVD)**  
 Total Depth: 3154.00 ft (KB) (TVD)  
 Reference Elevations: 1842.00 ft (KB)  
 1833.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 9.00 ft

**Serial #: 6839      Inside**  
 Press@RunDepth: 890.80 psia @ 3150.40 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2013.05.22      End Date: 2013.05.22      Last Calib.: 2013.05.22  
 Start Time: 05:41:00      End Time: 12:41:00      Time On Btm: 2013.05.22 @ 07:37:30  
 Time Off Btm: 2013.05.22 @ 10:54:00

**TEST COMMENT:** 1st Open 15 minutes Good building blow blew of bottom bucket 8 minutes.  
 1st Shut in 45 minutes no blow back  
 2nd Open 45 minutes Strong blow built to the bottom of a 5 gallon bucket of water in 1 minute.  
 2nd Shut in 90 minutes Yes blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1534.29	101.99	Initial Hydro-static
1	84.07	101.85	Open To Flow (1)
16	134.36	102.08	Shut-In(1)
61	907.78	102.76	End Shut-In(1)
62	145.86	102.56	Open To Flow (2)
105	217.28	103.31	Shut-In(2)
196	890.80	104.61	End Shut-In(2)
197	1507.11	104.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
244.00	Slightly mud cut gassy oil	1.20
0.00	Oil 50% Gas40% Mud 10%	0.00
244.00	Heavily mud cut oil Oil 70%Mud 30%	3.13

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18378      **DST#: 1**  
 Test Start: 2013.05.22 @ 05:40:00

**Tool Information**

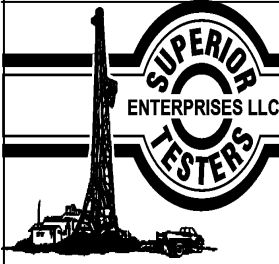
Drill Pipe:	Length: 2820.00 ft	Diameter: 3.80 inches	Volume: 39.56 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 276.44 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 40.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.44 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3093.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.40 ft			
Tool Length:	89.40 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut-In Tool	5.00			3070.00	
Hydraulic Tool	5.00			3075.00	
Safety Joint	2.00			3077.00	
Jars	6.00			3083.00	
Packer	5.00			3088.00	28.00      Bottom Of Top Packer
Packer	5.00			3093.00	
Anchor	5.00			3098.00	
Change Over Sub	0.75			3098.75	
Drill Pipe	31.90			3130.65	
Change Over Sub	0.75			3131.40	
Anchor	18.00			3149.40	
Recorder	1.00	6839	Inside	3150.40	
Recorder	1.00	6806	Inside	3151.40	
Bullnose	3.00			3154.40	61.40      Bottom Packers & Anchor

**Total Tool Length: 89.40**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18378      **DST#: 1**  
 Test Start: 2013.05.22 @ 05:40:00

### 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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6600.00 ppm			
Filter Cake: 1.00 inches			

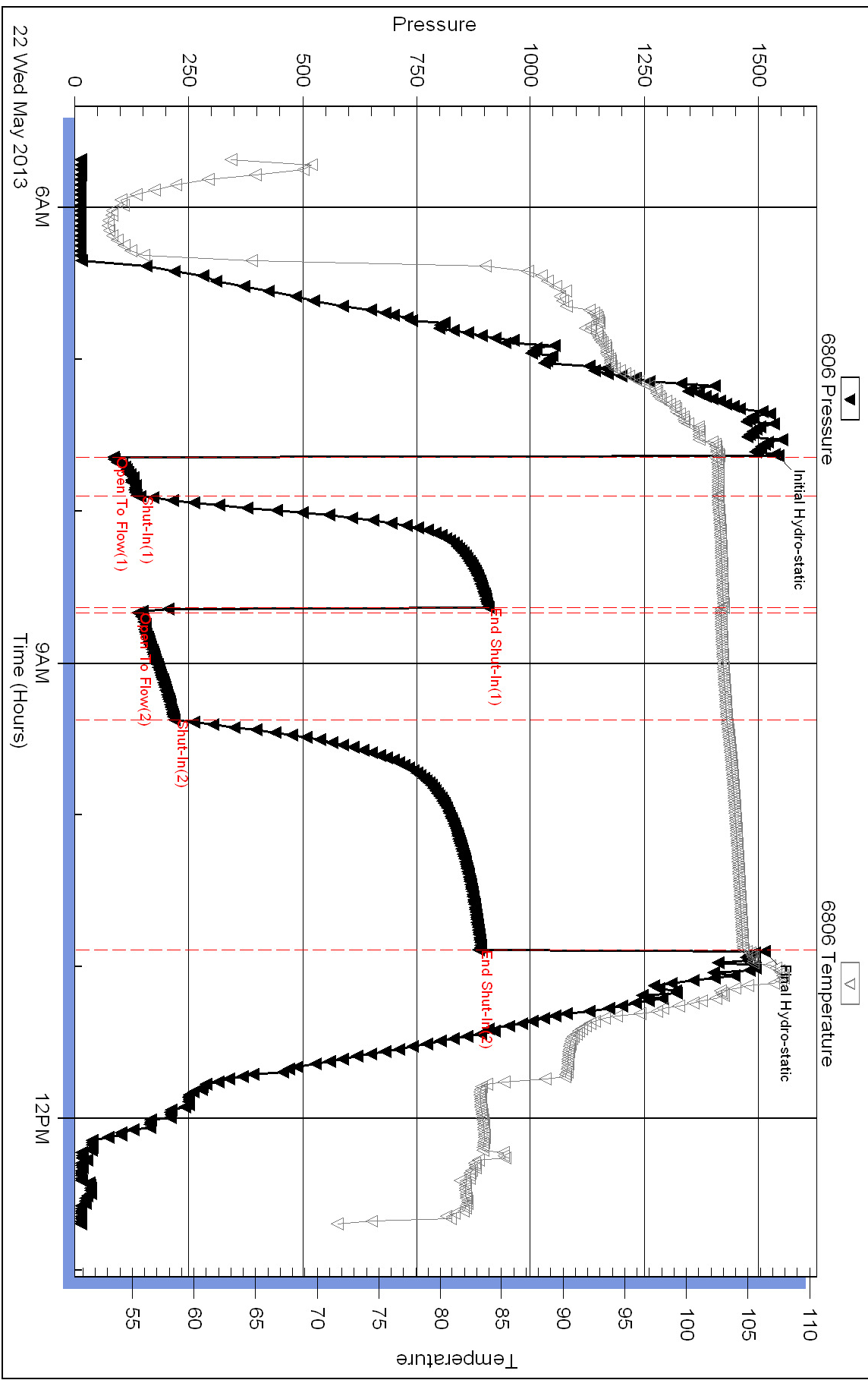
### Recovery Information

Recovery Table

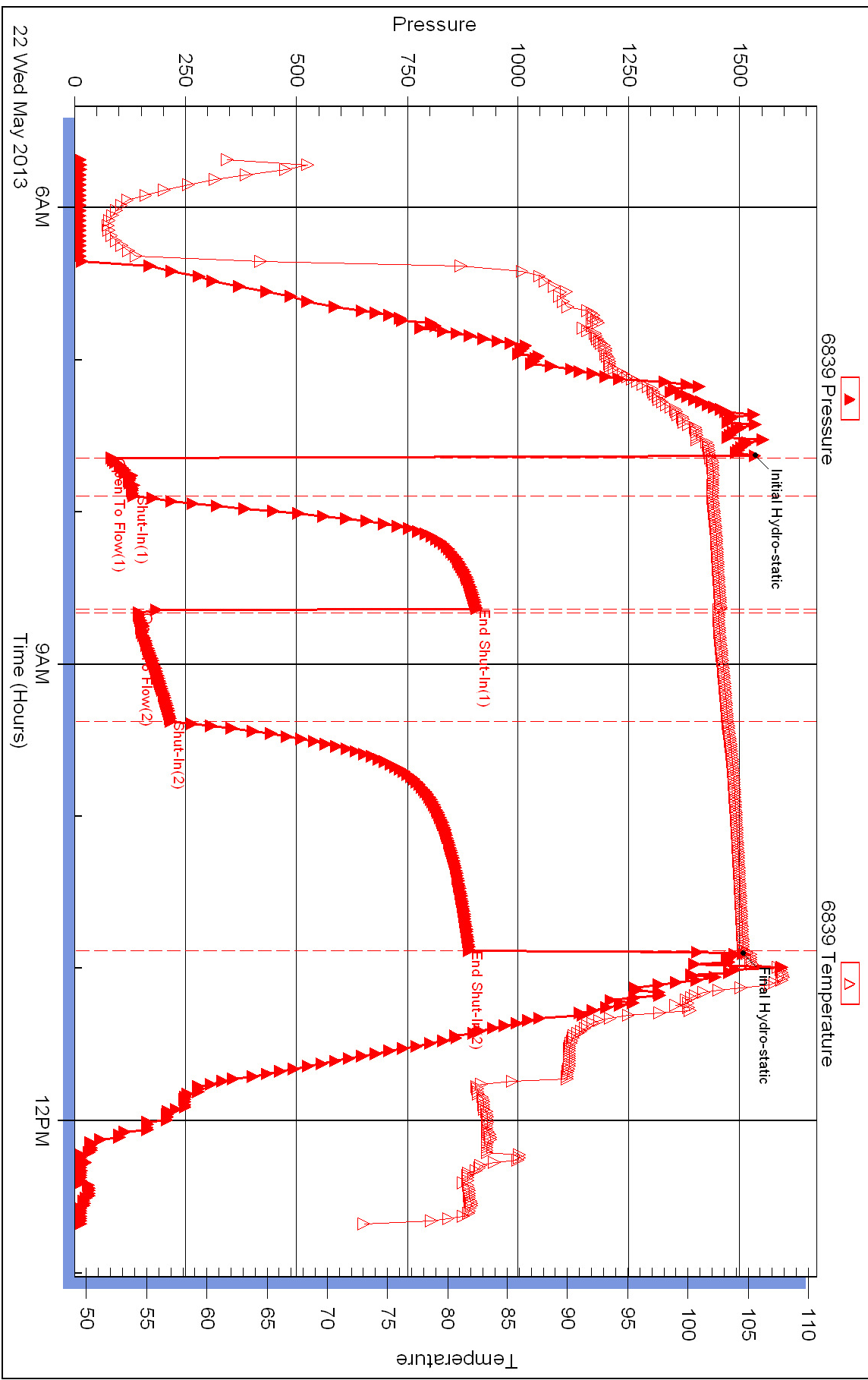
Length ft	Description	Volume bbl
244.00	Slightly mud cut gassy oil	1.200
0.00	Oil 50% Gas40% Mud 10%	0.000
244.00	Heavily mud cut oil Oil 70%Mud 30%	3.127

Total Length: 488.00 ft      Total Volume: 4.327 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time



# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Blvd. Hays Kansas 67601

ATTN: Jeremy Schwartz

### **Schlessiger Cattle**

#### **2-18s-14w-Barton**

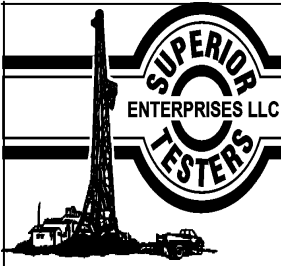
Start Date: 2013.05.22 @ 09:38:00

End Date: 2013.05.22 @ 16:27:30

Job Ticket #: 18379                      DST #: 2

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

Printed: 2013.05.23 @ 04:52:56



# DRILL STEM TEST REPORT

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

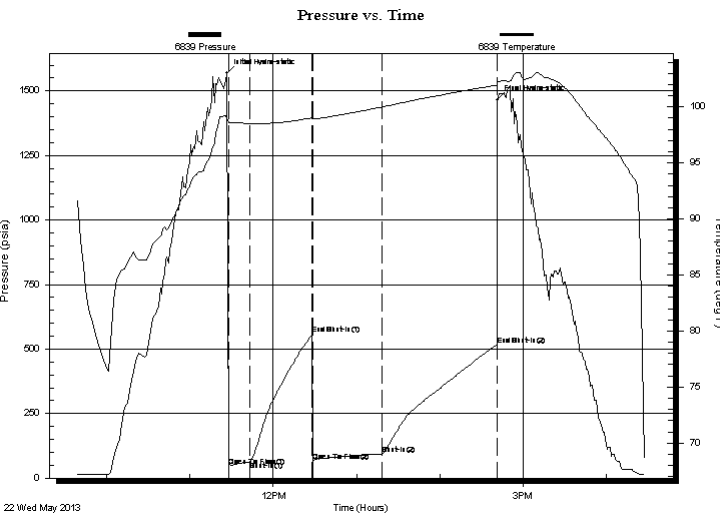
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18379 **DST#: 2**  
 Test Start: 2013.05.22 @ 09:38:00

## GENERAL INFORMATION:

Formation: **Lansing F-G**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:27:30  
 Time Test Ended: 16:27:30  
**Interval: 3153.00 ft (KB) To 3190.00 ft (KB) (TVD)**  
 Total Depth: 3190.00 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-30  
 Reference Elevations: 1842.00 ft (KB)  
 1833.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 6839 Inside**  
 Press@RunDepth: 93.71 psia @ 3186.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.05.22 End Date: 2013.05.22 Last Calib.: 2013.05.23  
 Start Time: 09:38:00 End Time: 16:27:30 Time On Btm: 2013.05.22 @ 11:26:30  
 Time Off Btm: 2013.05.22 @ 14:41:30

**TEST COMMENT:** 1st Open 15 minutes Weak building blow blew 1 inch into the the bucket of water  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Weak blow stayed at 1 inch through out .  
 2nd Shut in 90 minutes No blow back



## PRESSURE SUMMARY

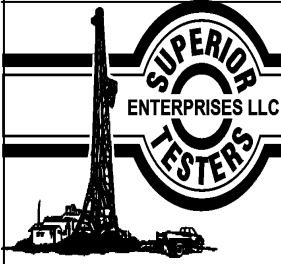
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1568.78	99.04	Initial Hydro-static
1	45.19	98.61	Open To Flow (1)
17	63.56	98.51	Shut-In(1)
62	558.81	99.02	End Shut-In(1)
62	66.27	98.91	Open To Flow (2)
112	93.71	100.00	Shut-In(2)
195	516.36	101.94	End Shut-In(2)
195	1465.21	102.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	Oil cut mud 15%Oil 85%Mud	0.30
61.00	Muddy water Mud 70% Water 30%	0.30
0.00	Chlorides 59,000 -.2ohms @56degrees	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

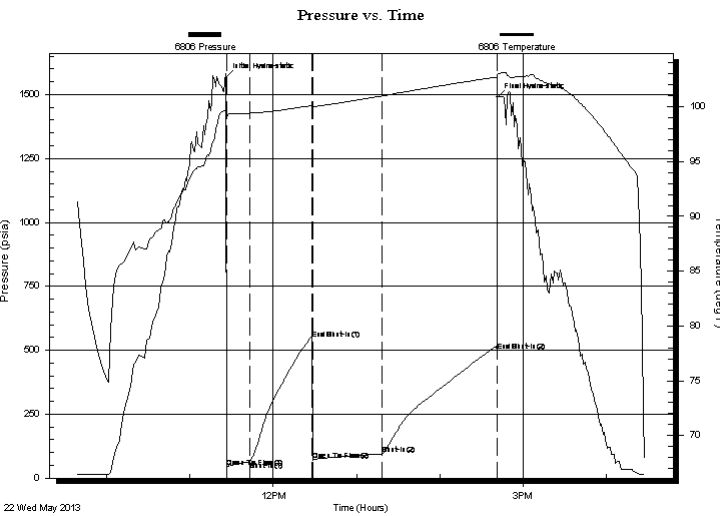
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18379 **DST#: 2**  
 Test Start: 2013.05.22 @ 09:38:00

## GENERAL INFORMATION:

Formation: **Lansing F-G**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 11:27:30 Tester: Dustin Ellis  
 Time Test Ended: 16:27:30 Unit No: 3315-Great Bend-30  
 Interval: **3153.00 ft (KB) To 3190.00 ft (KB) (TVD)** Reference Elevations: 1842.00 ft (KB)  
 Total Depth: 3190.00 ft (KB) (TVD) 1833.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 6806 Outside**  
 Press@RunDepth: 495.02 psia @ 3187.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.05.22 End Date: 2013.05.22 Last Calib.: 2013.05.23  
 Start Time: 09:38:00 End Time: 16:28:00 Time On Btm: 2013.05.22 @ 11:26:00  
 Time Off Btm: 2013.05.22 @ 14:41:30

**TEST COMMENT:** 1st Open 15 minutes Weak building blow blew 1 inch into the the bucket of water  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Weak blow stayed at 1 inch through out .  
 2nd Shut in 90 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1564.99	99.68	Initial Hydro-static
1	43.06	99.02	Open To Flow (1)
17	65.25	99.41	Shut-In(1)
62	545.58	100.12	End Shut-In(1)
63	69.44	100.03	Open To Flow (2)
113	94.65	100.99	Shut-In(2)
195	495.02	102.70	End Shut-In(2)
196	1488.95	102.96	Final Hydro-static

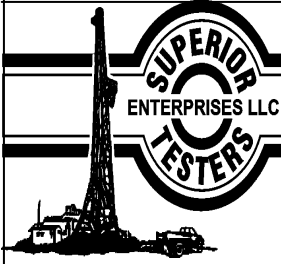
## Recovery

Length (ft)	Description	Volume (bbl)
61.00	Oil cut mud 15%Oil 85%Mud	0.30
61.00	Muddy water Mud 70% Water 30%	0.30
0.00	Chlorides 59,000 -.2ohms @56degrees	0.00

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

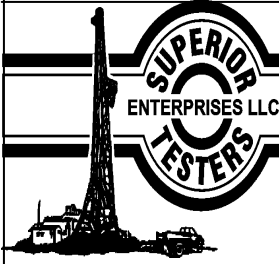
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18379      **DST#: 2**  
 Test Start: 2013.05.22 @ 09:38:00

**Tool Information**

Drill Pipe:	Length: 2880.00 ft	Diameter: 3.80 inches	Volume: 40.40 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: 276.44 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 41.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.44 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	3153.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	65.00 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			3130.00	
Hydraulic Tool	5.00			3135.00	
Safety Joint	2.00			3137.00	
Jars	6.00			3143.00	
Packer	5.00			3148.00	28.00      Bottom Of Top Packer
Packer	5.00			3153.00	
Anchor	32.00			3185.00	
Recorder	1.00	6839	Inside	3186.00	
Recorder	1.00	6806	Outside	3187.00	
Bullnose	3.00			3190.00	37.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>65.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shelby Resources  
2717 Canal Blvd. Hays Kansas 67601  
ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
Job Ticket: 18379      **DST#: 2**  
Test Start: 2013.05.22 @ 09:38:00

### 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:	bbbl		
Water Loss:	7.60 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	5100.00 ppm				
Filter Cake:	1.00 inches				

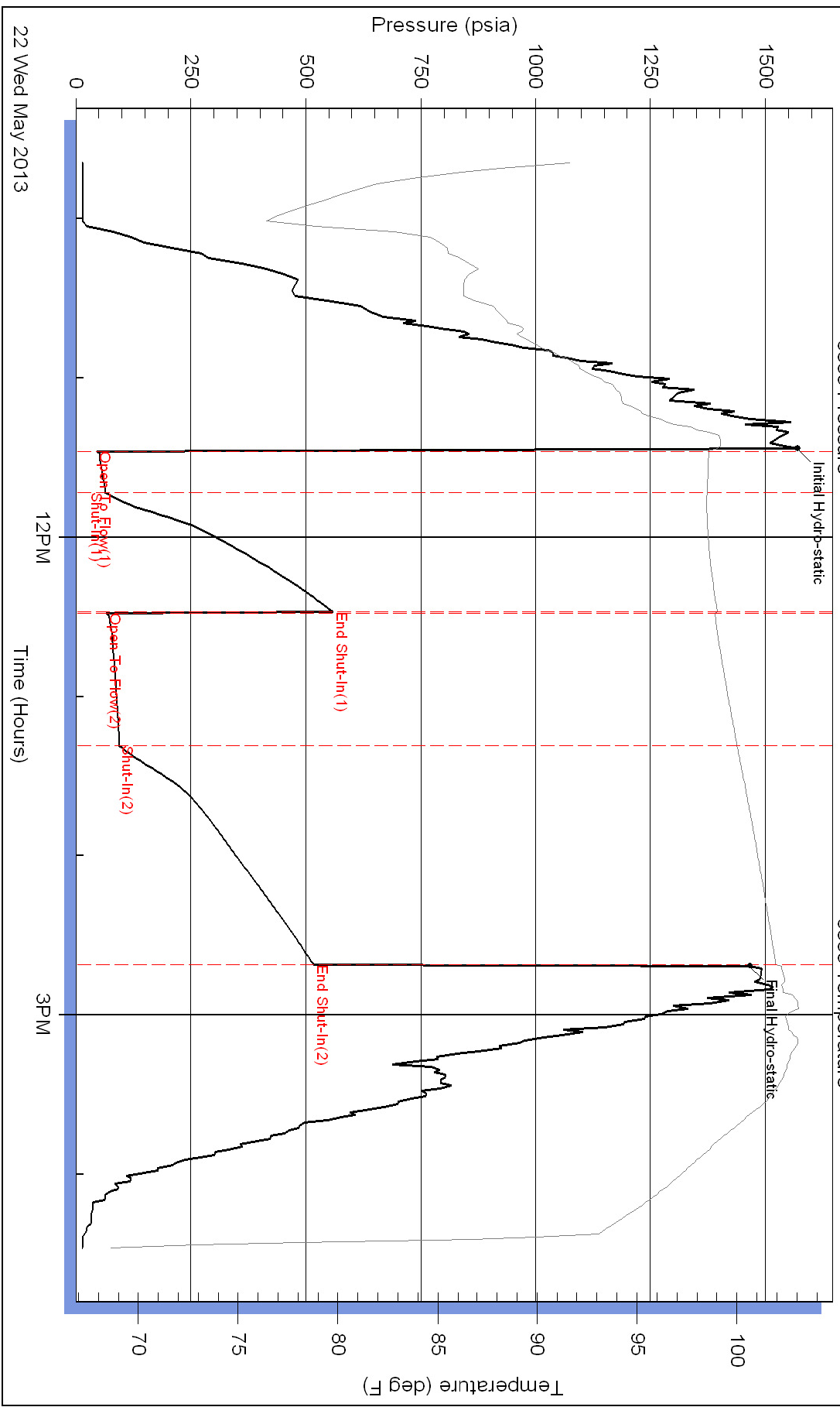
### Recovery Information

Recovery Table

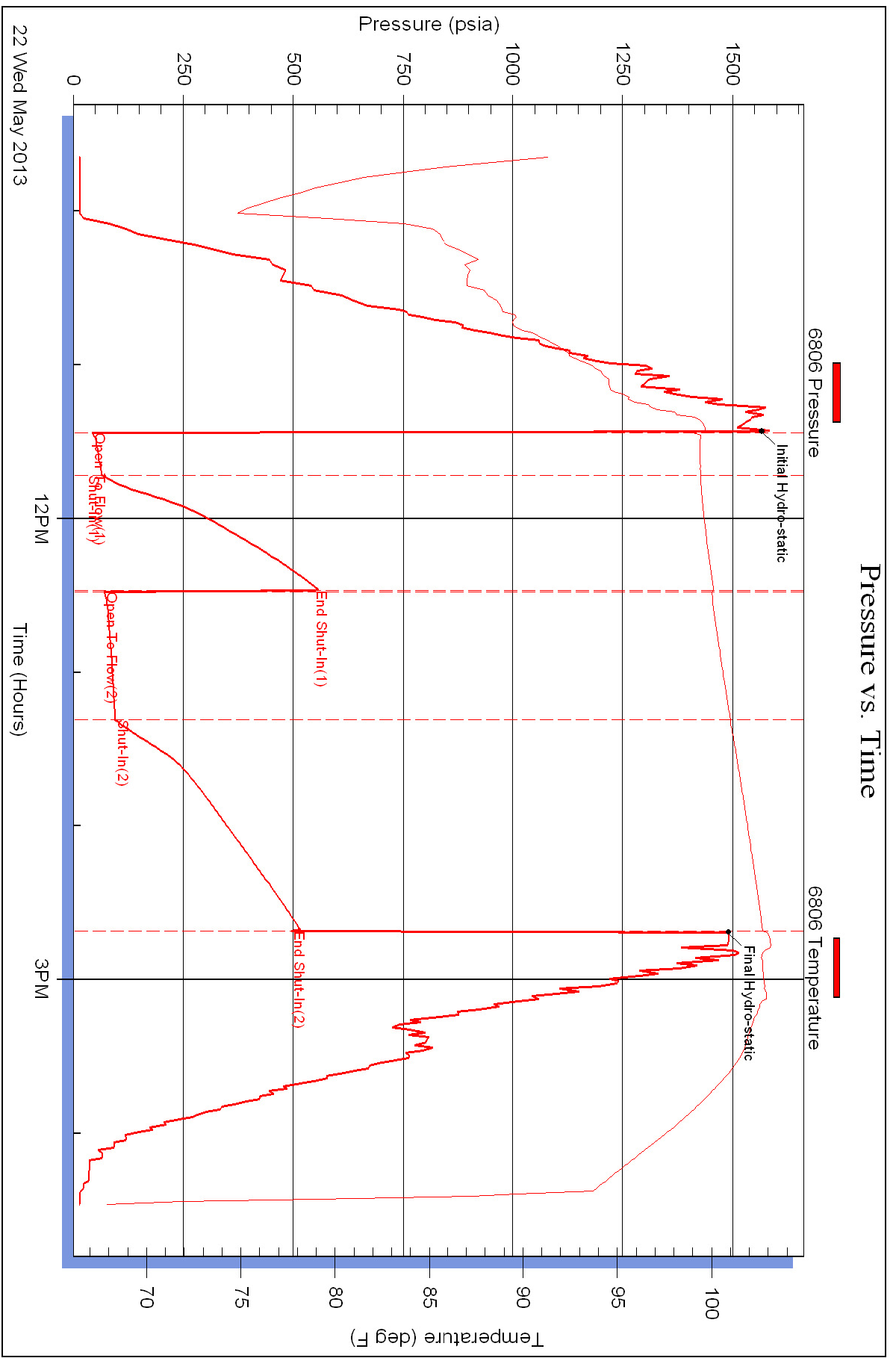
Length ft	Description	Volume bbbl
61.00	Oil cut mud 15%Oil 85%Mud	0.300
61.00	Muddy w ater Mud 70% Water 30%	0.300
0.00	Chlorides 59,000 -.2ohms.@56degrees	0.000

Total Length: 122.00 ft      Total Volume: 0.600 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

# Pressure vs. Time



22 Wed May 2013





## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Blvd. Hays Kansas 67601

ATTN: Jeremy Schwartz

### **Schlessiger Cattle**

#### **2-18s-14w-Barton**

Start Date: 2013.05.23 @ 12:50:00

End Date: 2013.05.23 @ 19:23:00

Job Ticket #: 18380                      DST #: 3

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

Printed: 2013.05.23 @ 20:32:52



# DRILL STEM TEST REPORT

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

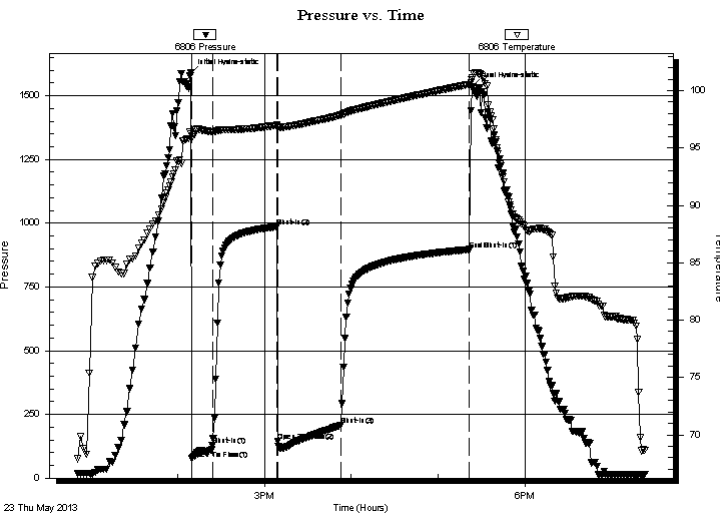
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18380 **DST#: 3**  
 Test Start: 2013.05.23 @ 12:50:00

## GENERAL INFORMATION:

Formation: **Lansing H**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 14:09:30 Tester: Dustin Ellis  
 Time Test Ended: 19:23:00 Unit No: 3315-Great Bend-30  
 Interval: **3200.00 ft (KB) To 3234.00 ft (KB) (TVD)** Reference Elevations: 1842.00 ft (KB)  
 Total Depth: 3234.00 ft (KB) (TVD) 1833.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 6806 Outside**  
 Press@RunDepth: 127.68 psia @ 3231.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.05.23 End Date: 2013.05.23 Last Calib.: 2013.05.23  
 Start Time: 12:51:00 End Time: 19:23:00 Time On Btm: 2013.05.23 @ 14:09:00  
 Time Off Btm: 2013.05.23 @ 17:23:00

**TEST COMMENT:** 1st Open 15 minutes Strong building blow blew off bottom bucket 2 minutes.  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Strong blow built to the bottom of a 5 gallon bucket in less than 1 minute.  
 2nd Shut in 90 minutes Yes blow back



## PRESSURE SUMMARY

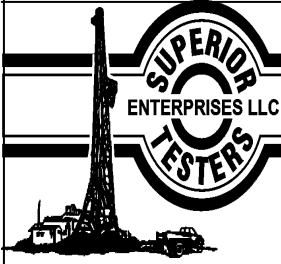
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1588.69	96.22	Initial Hydro-static
1	75.65	95.79	Open To Flow (1)
15	127.68	96.41	Shut-In(1)
60	985.52	96.99	Shut-In(2)
60	144.45	96.80	Open To Flow (2)
104	206.42	97.85	Shut-In(3)
193	897.11	100.56	End Shut-In(1)
194	1536.93	100.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
76.00	Heavily oil cut mud Oil 20% Mud 80%	0.37
427.00	Slightly mudded gas cut oil.	4.16
0.00	Oil 70% Gas 20% Mud 10%	0.00
0.00	Gas to surface 32 minutes	0.00
0.00	Gas not measurable.	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

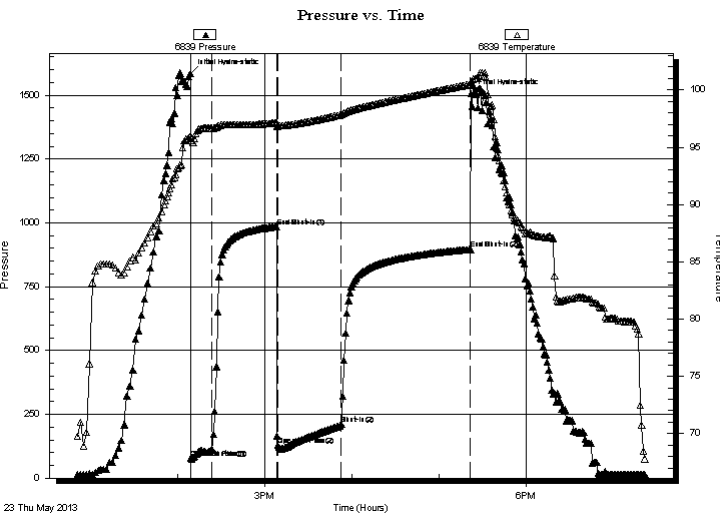
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18380 **DST#: 3**  
 Test Start: 2013.05.23 @ 12:50:00

## GENERAL INFORMATION:

Formation: **Lansing H**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 14:09:30 Tester: Dustin Ellis  
 Time Test Ended: 19:23:00 Unit No: 3315-Great Bend-30  
 Interval: **3200.00 ft (KB) To 3234.00 ft (KB) (TVD)** Reference Elevations: 1842.00 ft (KB)  
 Total Depth: 3234.00 ft (KB) (TVD) 1833.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 6839 Inside**  
 Press@RunDepth: 896.42 psia @ 3230.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.05.23 End Date: 2013.05.23 Last Calib.: 2013.05.23  
 Start Time: 12:51:00 End Time: 19:22:00 Time On Btm: 2013.05.23 @ 14:08:30  
 Time Off Btm: 2013.05.23 @ 17:22:00

**TEST COMMENT:** 1st Open 15 minutes Strong building blow blew off bottom bucket 2 minutes.  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Strong blow built to the bottom of a 5 gallon bucket in less than 1 minute.  
 2nd Shut in 90 minutes Yes blow back



## PRESSURE SUMMARY

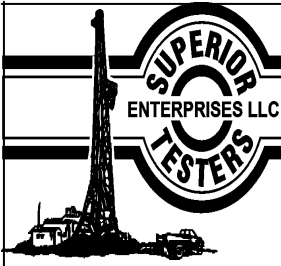
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1585.82	95.97	Initial Hydro-static
1	78.33	95.58	Open To Flow (1)
15	111.76	96.66	Shut-In(1)
60	985.49	97.14	End Shut-In(1)
61	128.38	96.92	Open To Flow (2)
104	211.06	97.84	Shut-In(2)
193	896.42	100.49	End Shut-In(2)
194	1505.52	100.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
76.00	Heavily oil cut mud Oil 20% Mud 80%	0.37
427.00	Slightly mudded gas cut oil.	4.16
0.00	Oil 70% Gas 20% Mud 10%	0.00
0.00	Gas to surface 32 minutes	0.00
0.00	Gas not measurable.	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18380 **DST#: 3**  
 Test Start: 2013.05.23 @ 12:50:00

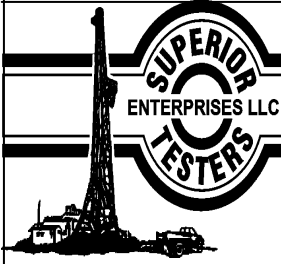
## Tool Information

Drill Pipe:	Length: 2915.00 ft	Diameter: 3.80 inches	Volume: 40.89 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: 276.44 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 42.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.44 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3200.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 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			3177.00	
Hydraulic Tool	5.00			3182.00	
Safety Joint	2.00			3184.00	
Jars	6.00			3190.00	
Packer	5.00			3195.00	28.00 Bottom Of Top Packer
Packer	5.00			3200.00	
Anchor	29.00			3229.00	
Recorder	1.00	6839	Inside	3230.00	
Recorder	1.00	6806	Outside	3231.00	
Bullnose	3.00			3234.00	34.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>62.00</b>				





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18380      **DST#: 3**  
 Test Start: 2013.05.23 @ 12:50:00

### 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: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5900.00 ppm			
Filter Cake: 1.00 inches			

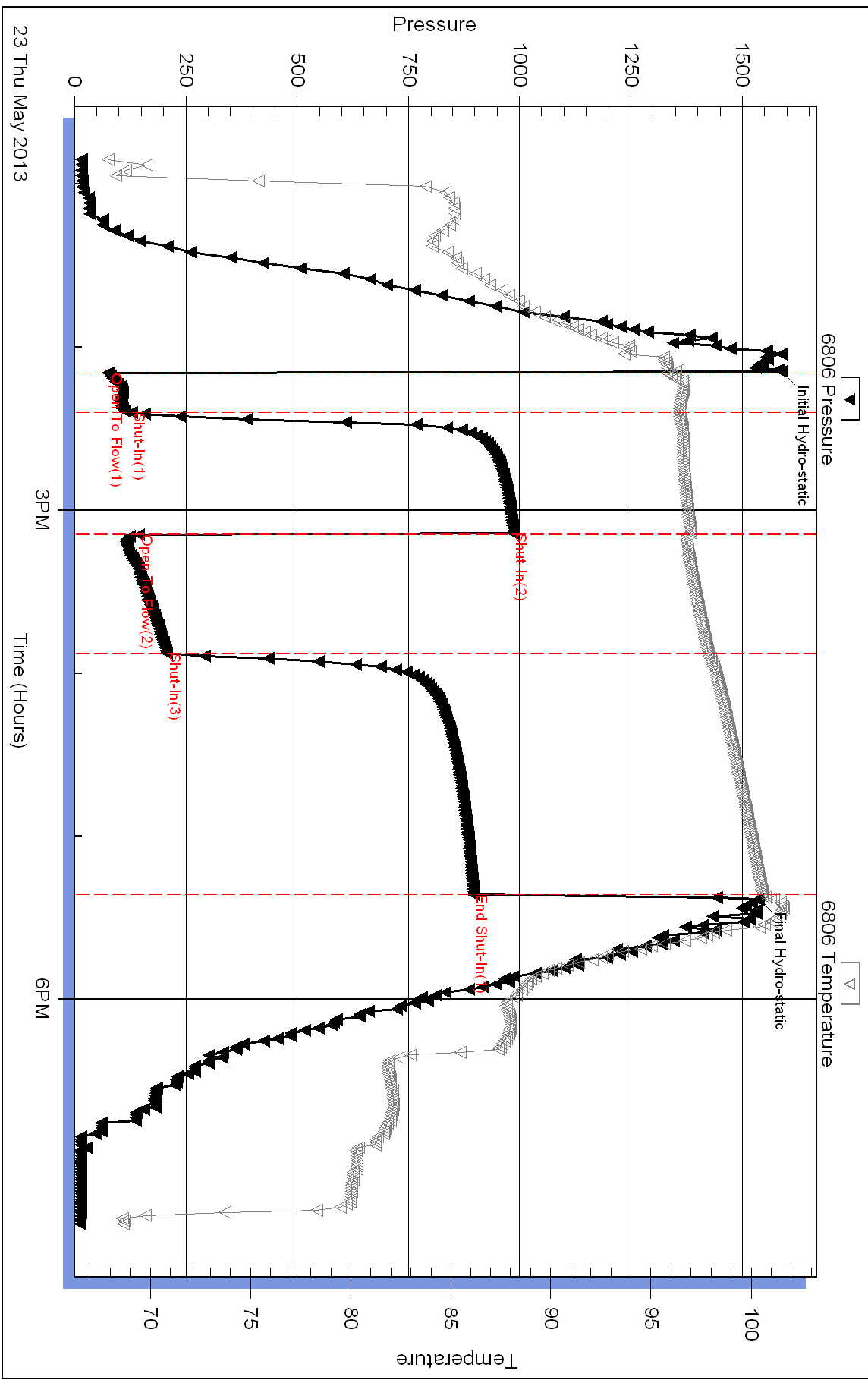
### Recovery Information

Recovery Table

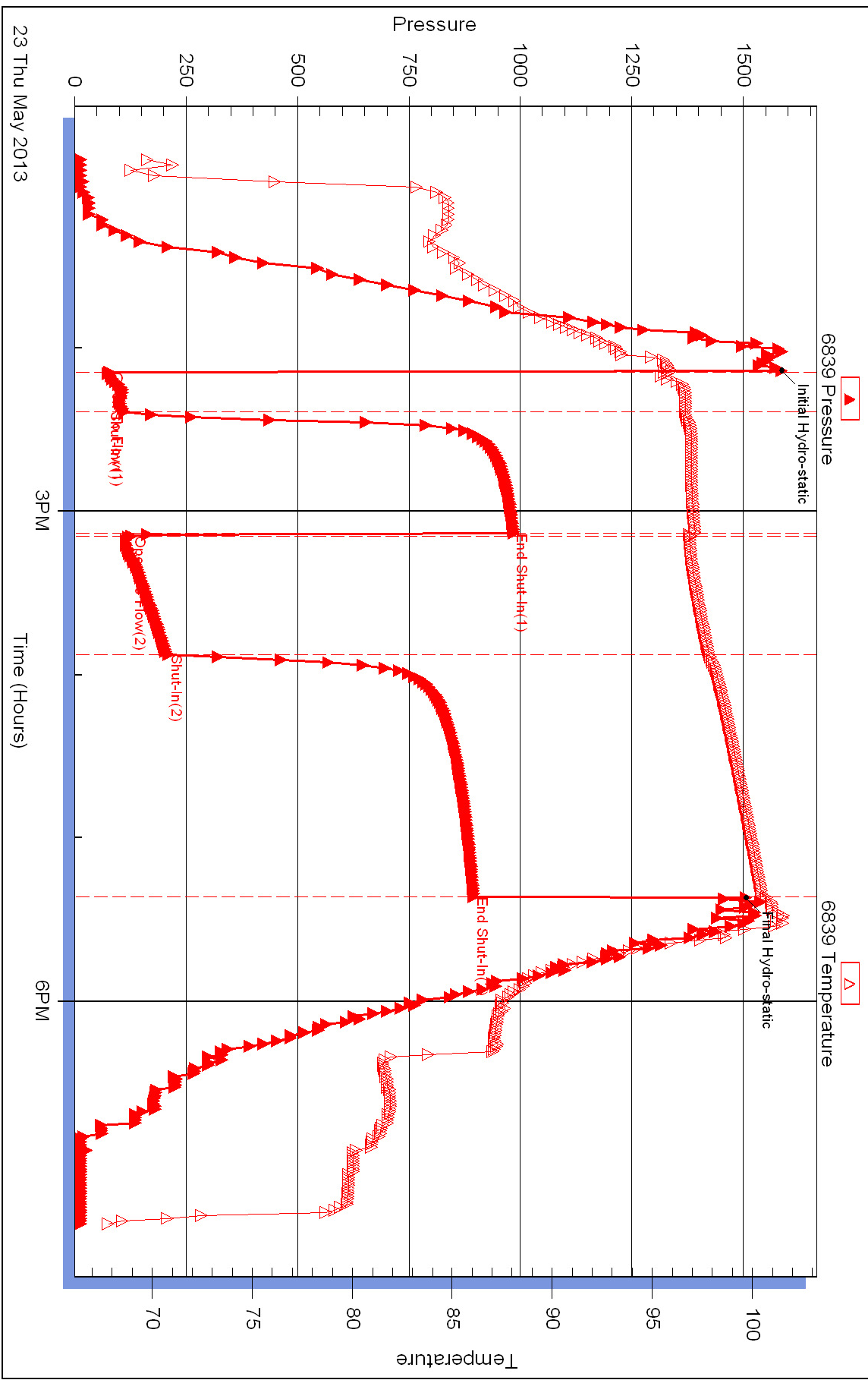
Length ft	Description	Volume bbl
76.00	Heavily oil cut mud Oil 20% Mud 80%	0.374
427.00	Slightly mudded gas cut oil.	4.164
0.00	Oil 70% Gas 20% Mud 10%	0.000
0.00	Gas to surface 32 minutes	0.000
0.00	Gas not measurable.	0.000

Total Length: 503.00 ft      Total Volume: 4.538 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time



### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Blvd. Hays Kansas 67601

ATTN: Jeremy Schwartz

### **Schlessiger Cattle**

#### **2-18s-14w-Barton**

Start Date: 2013.05.24 @ 07:50:00

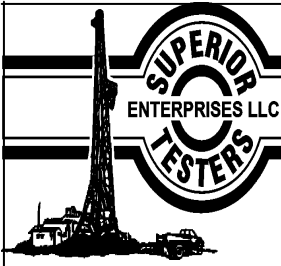
End Date: 2013.05.24 @ 18:52:00

Job Ticket #: 18381                      DST #: 4

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

Printed: 2013.05.24 @ 20:08:59

Shelby Resources  
2-18s-14w-Barton  
Schlessiger Cattle  
DST # 4  
Arbuckle  
2013.05.24



# DRILL STEM TEST REPORT

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

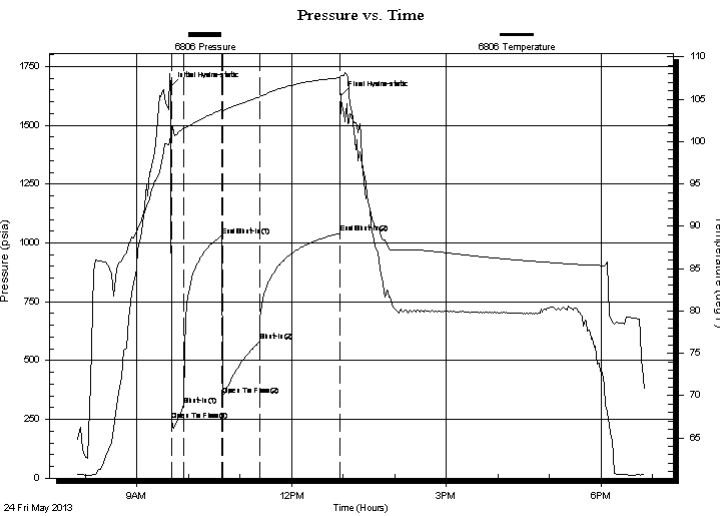
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18381 **DST#: 4**  
 Test Start: 2013.05.24 @ 07:50:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 09:40:00 Tester: Dustin Ellis  
 Time Test Ended: 18:52:00 Unit No: 3315-Great Bend-30  
 Interval: **3294.00 ft (KB) To 3335.00 ft (KB) (TVD)** Reference Elevations: 1842.00 ft (KB)  
 Total Depth: 3335.00 ft (KB) (TVD) 1833.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 6806 Outside**  
 Press@RunDepth: 582.28 psia @ 3332.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.05.24 End Date: 2013.05.24 Last Calib.: 1899.12.30  
 Start Time: 07:50:00 End Time: 18:52:00 Time On Btm: 2013.05.24 @ 09:39:30  
 Time Off Btm: 2013.05.24 @ 12:57:30

**TEST COMMENT:** 1st Open 15 minutes Strong blow built to the bottom of a 5 gallon bucket of water in 2 minutes.  
 1st Shut in 45 minutes Yes blow back  
 2nd Open 45 minutes Strong blow built to the bottom of a 5 gallon bucket of water in 3 minutes.  
 2nd Shut in 90 minutes No blow back.



## PRESSURE SUMMARY

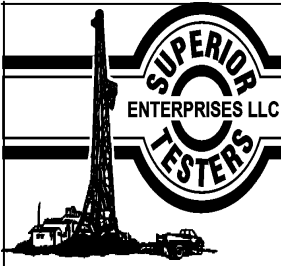
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1666.25	100.65	Initial Hydro-static
1	248.55	100.78	Open To Flow (1)
15	308.10	101.54	Shut-In(1)
60	1029.55	103.75	End Shut-In(1)
61	351.41	103.67	Open To Flow (2)
104	582.28	105.28	Shut-In(2)
197	1040.79	107.53	End Shut-In(2)
198	1627.68	107.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1344.00	Clean gassy oil	16.33
0.00	Oil 95% Mud 5%	0.00
0.00	Gravity of oil 36 Corrected.	0.00
124.00	Slight mud cut oil 95%Oil 5%mud	1.74
0.00	122 Feet of gas in pipe	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

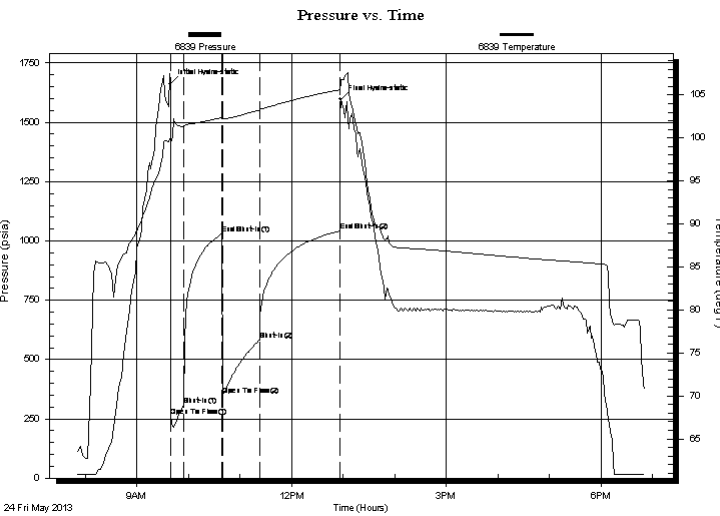
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18381 **DST#: 4**  
 Test Start: 2013.05.24 @ 07:50:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 09:40:00 Tester: Dustin Ellis  
 Time Test Ended: 18:52:00 Unit No: 3315-Great Bend-30  
 Interval: **3294.00 ft (KB) To 3335.00 ft (KB) (TVD)** Reference Elevations: 1842.00 ft (KB)  
 Total Depth: 3335.00 ft (KB) (TVD) 1833.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 6839 Inside**  
 Press@RunDepth: 1041.91 psia @ 3331.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.05.24 End Date: 2013.05.24 Last Calib.: 2013.05.24  
 Start Time: 07:50:00 End Time: 18:52:00 Time On Btm: 2013.05.24 @ 09:39:00  
 Time Off Btm: 2013.05.24 @ 12:57:00

**TEST COMMENT:** 1st Open 15 minutes Strong blow built to the bottom of a 5 gallon bucket of water in 2 minutes.  
 1st Shut in 45 minutes Yes blow back  
 2nd Open 45 minutes Strong blow built to the bottom of a 5 gallon bucket of water in 3 minutes.  
 2nd Shut in 90 minutes No blow back.



## PRESSURE SUMMARY

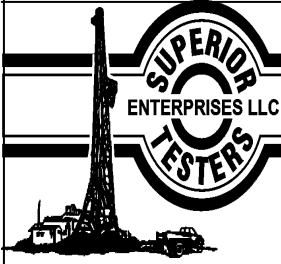
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1662.79	100.10	Initial Hydro-static
1	260.47	99.45	Open To Flow (1)
16	307.27	101.38	Shut-In(1)
60	1030.82	102.39	End Shut-In(1)
61	350.44	102.19	Open To Flow (2)
104	582.28	103.24	Shut-In(2)
197	1041.91	105.60	End Shut-In(2)
198	1597.59	106.21	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1344.00	Clean gassy oil	16.33
0.00	Oil 95% Mud 5%	0.00
0.00	Gravity of oil 36 Corrected.	0.00
124.00	Slight mud cut oil 95%Oil 5%mud	1.74
0.00	122 Feet of gas in pipe	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

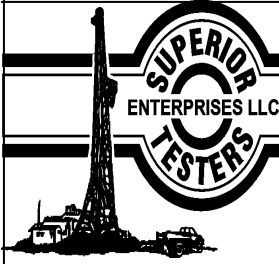
**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18381      **DST#: 4**  
 Test Start: 2013.05.24 @ 07:50:00

## Tool Information

Drill Pipe:	Length: 3011.00 ft	Diameter: 3.80 inches	Volume: 42.24 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: 276.44 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 43.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.44 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3294.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3271.00	
Hydraulic Tool	5.00			3276.00	
Safety Joint	2.00			3278.00	
Jars	6.00			3284.00	
Packer	5.00			3289.00	28.00      Bottom Of Top Packer
Packer	5.00			3294.00	
Anchor	36.00			3330.00	
Recorder	1.00	6839	Inside	3331.00	
Recorder	1.00	6806	Outside	3332.00	
Bullnose	3.00			3335.00	41.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>69.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18381      **DST#: 4**  
 Test Start: 2013.05.24 @ 07:50:00

### 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: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5900.00 ppm			
Filter Cake: 1.00 inches			

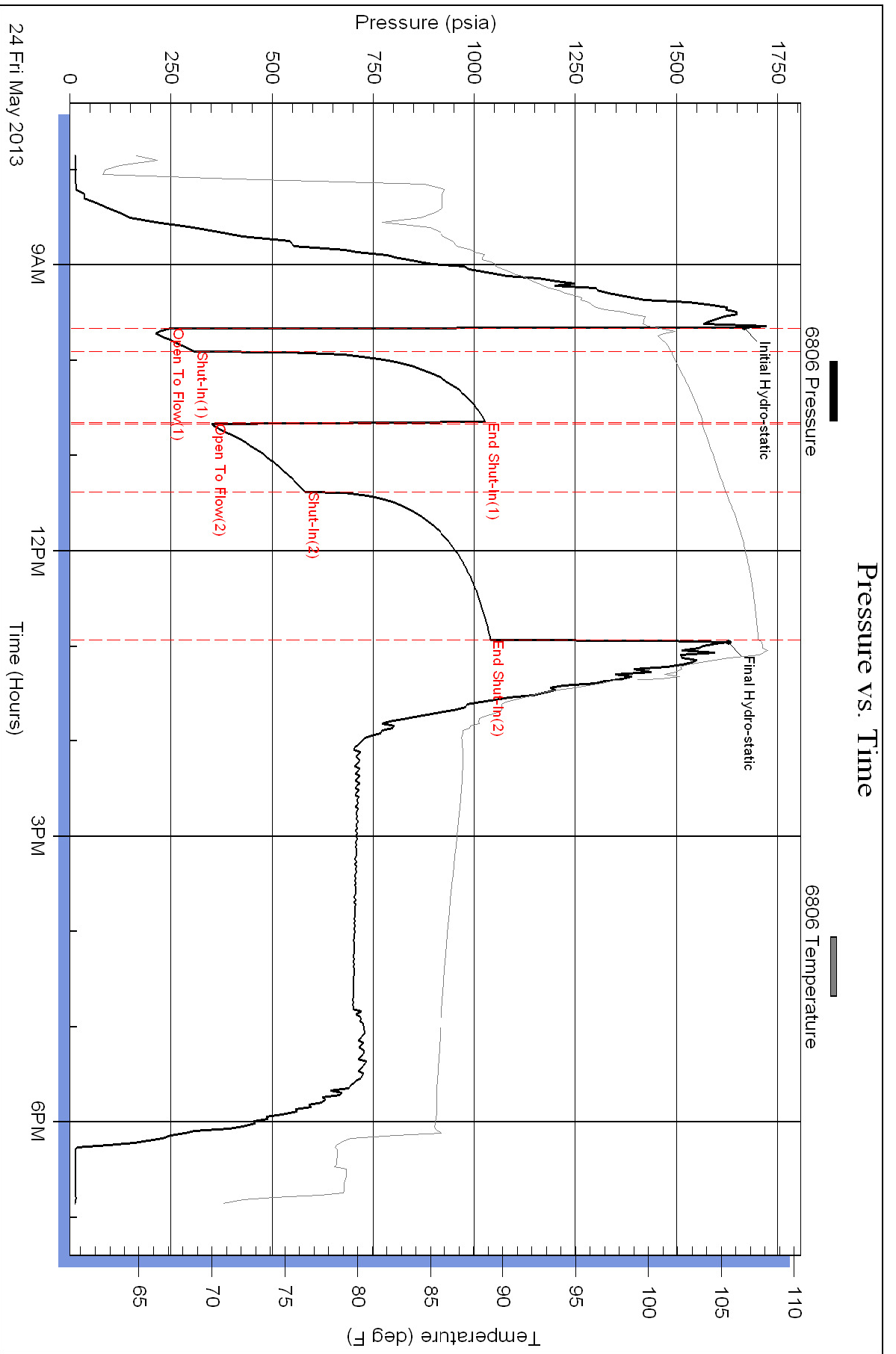
### Recovery Information

Recovery Table

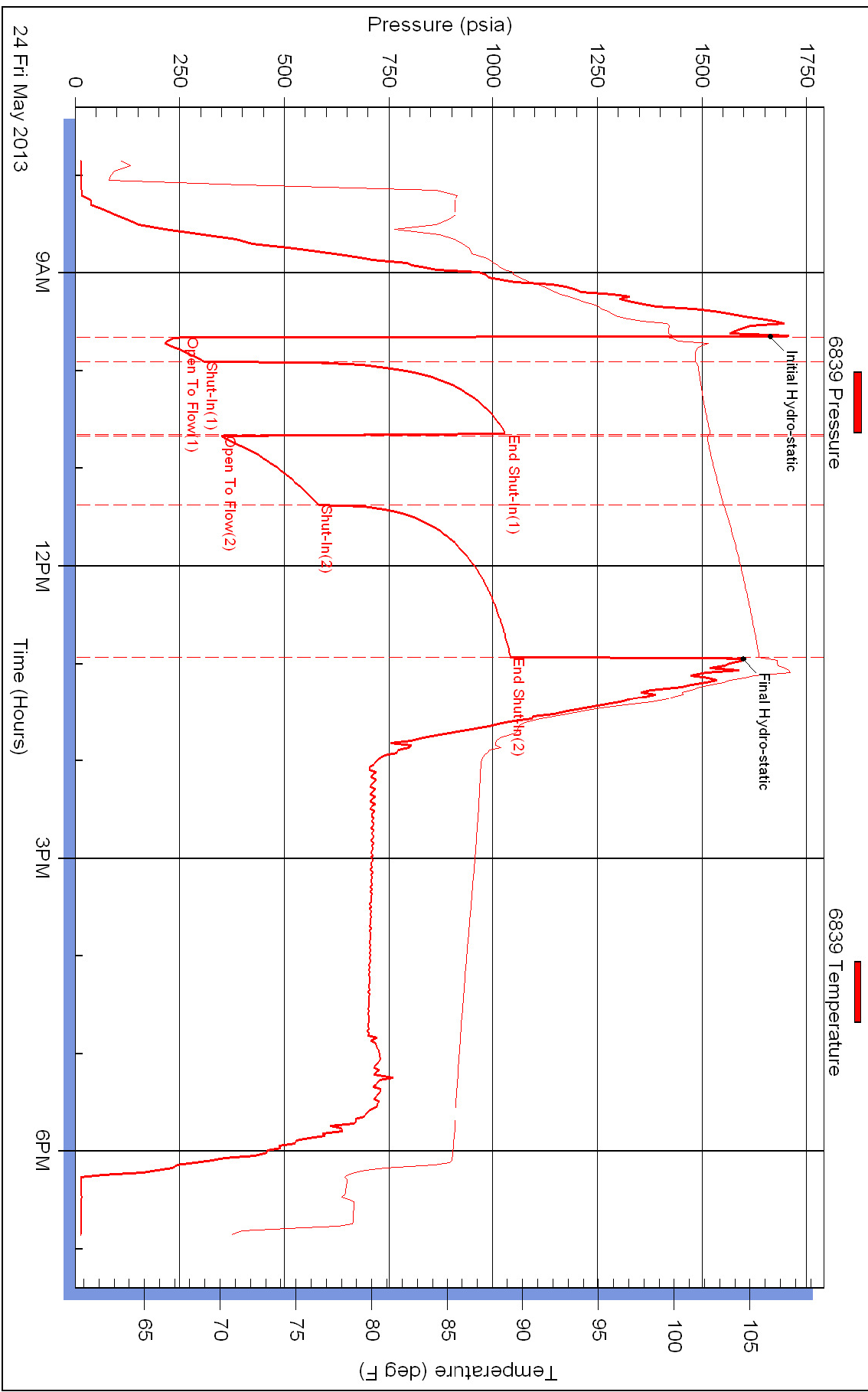
Length ft	Description	Volume bbl
1344.00	Clean gassy oil	16.335
0.00	Oil 95% Mud 5%	0.000
0.00	Gravity of oil 36 Corrected.	0.000
124.00	Slight mud cut oil 95%Oil 5%mud	1.739
0.00	122 Feet of gas in pipe	0.000

Total Length: 1468.00 ft      Total Volume: 18.074 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Blvd. Hays Kansas 67601

ATTN: Jeremy Schwartz

**Schlessiger Cattle**

**2-18s-14w-Barton**

Start Date: 2013.05.25 @ 02:00:00

End Date: 2013.05.25 @ 09:34:30

Job Ticket #: 18382                      DST #: 5

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

Printed: 2013.05.25 @ 10:00:11







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

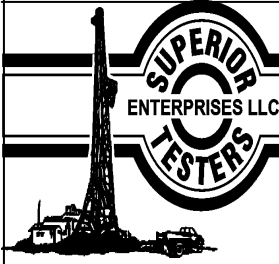
Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18382      **DST#: 5**  
 Test Start: 2013.05.25 @ 02:00:00

**Tool Information**

Drill Pipe:	Length: 3112.00 ft	Diameter: 3.80 inches	Volume: 43.65 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: 204.88 ft	Diameter: 2.25 inches	Volume: 1.01 bbl	Weight to Pull Loose:	74000.00 lb
			<u>Total Volume: 44.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.88 ft			String Weight: Initial	69000.00 lb
Depth to Top Packer:	3335.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	35.00 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			3312.00	
Hydraulic Tool	5.00			3317.00	
Safety Joint	2.00			3319.00	
Jars	6.00			3325.00	
Packer	5.00			3330.00	28.00      Bottom Of Top Packer
Packer	5.00			3335.00	
Anchor	2.00			3337.00	
Recorder	1.00	6839	Inside	3338.00	
Recorder	1.00	6806	Outside	3339.00	
Bullnose	3.00			3342.00	7.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>35.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Jeremy Schwartz

**2-18s-14w-Barton**  
**Schlessiger Cattle**  
 Job Ticket: 18382      **DST#: 5**  
 Test Start: 2013.05.25 @ 02:00:00

### Mud and Cushion Information

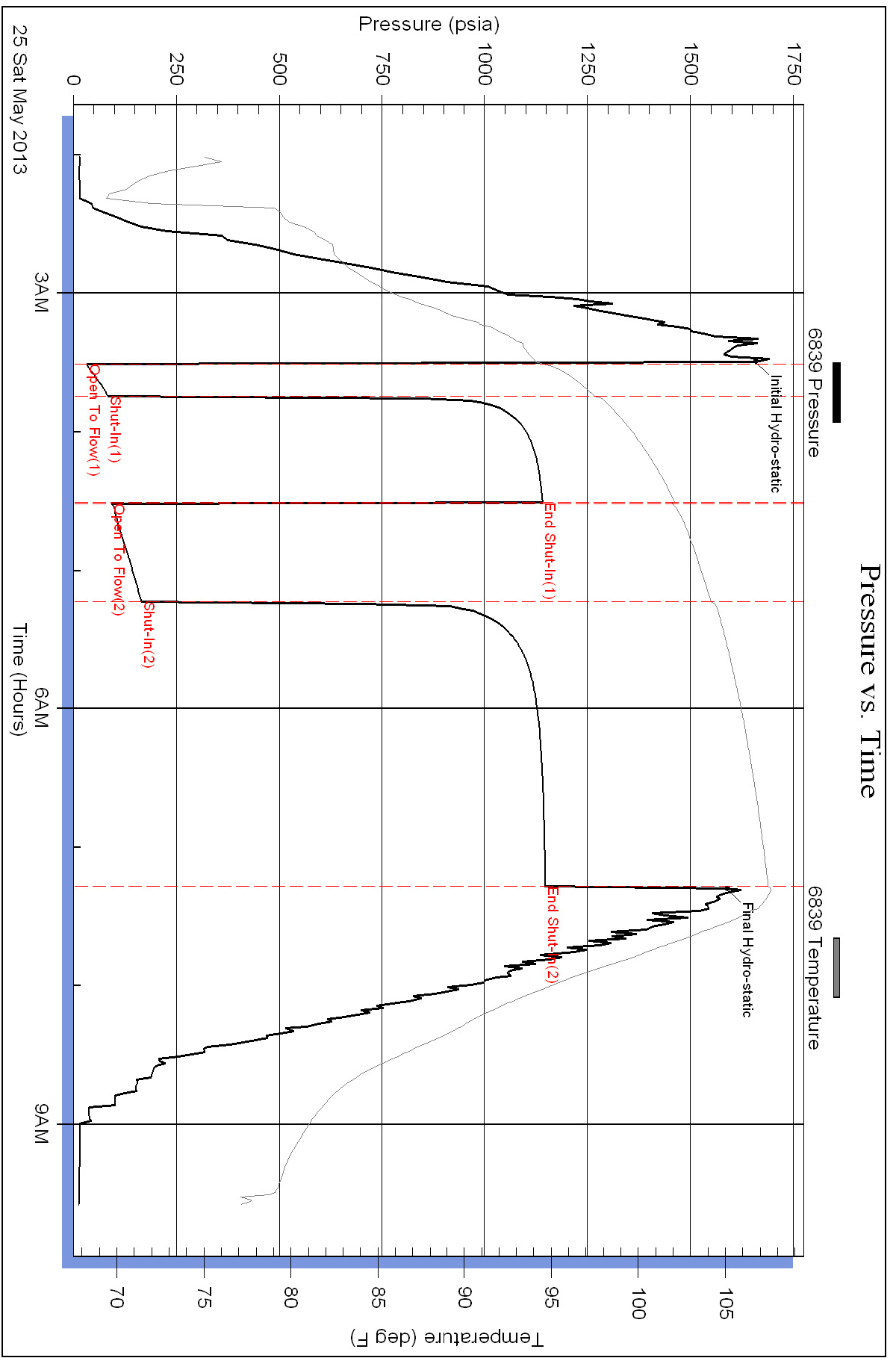
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
335.00	Clean gassy oil 95%Oil 5%Gas	2.833
61.00	Slightly mud cut gassy oil	0.856
0.00	Oil 90% Gas 5% Mud 5%	0.000
0.00	Gravity of oil 37 corrected	0.000

Total Length: 396.00 ft      Total Volume: 3.689 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



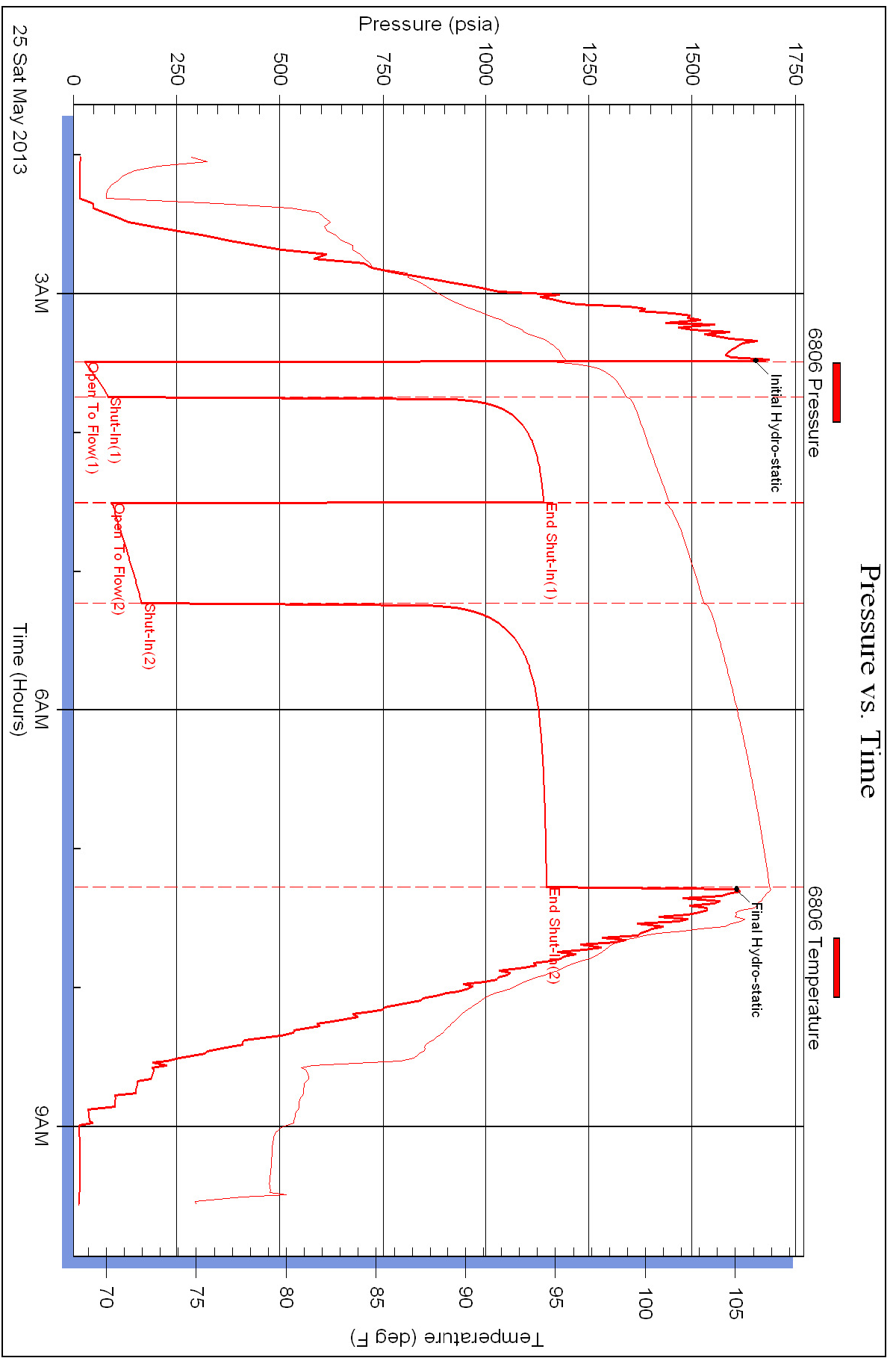


Serial #: 6806

Outside Shelby Resources

Schlessiger Cattle

DST Test Number: 5



Superior Testers Enterprises LLC

Ref. No: 18382

Printed: 2013.05.25 @ 10:00:12

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 08, 2013

Chris Gottschalk  
Shelby Resources LLC  
2717 Canal Blvd.  
Suite C  
HAYS, KS 67601

Re: ACO1  
API 15-009-25833-00-00  
Schlessiger Cattle 1-2  
NE/4 Sec.02-18S-14W  
Barton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Chris Gottschalk

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 21, 2013

Chris Gottschalk  
Shelby Resources LLC  
2717 Canal Blvd.  
Suite C  
HAYS, KS 67601

Re: ACO-1  
API 15-009-25833-00-00  
Schlessiger Cattle 1-2  
NE/4 Sec.02-18S-14W  
Barton County, Kansas

Dear Chris Gottschalk:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 05/17/2013 and the ACO-1 was received on October 08, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department