



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1120641
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: _____



1120641

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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. 6436

Date	2-12-83	Sec.	31	Twp.	15	Range	13	County	Russell	State	KS	On Location		Finish	2:00 PM
------	---------	------	----	------	----	-------	----	--------	---------	-------	----	-------------	--	--------	---------

Lease	PKOSSER	Well No.	4	Location	Russell 5 to 501 3rd North
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Contractor	Royal H 2	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
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Type Job	Surface	Charge To	RJM
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Hole Size	12 1/4	T.D.	221
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Csg.	8 5/8	Depth	
------	-------	-------	--

Tbg. Size		Depth	
-----------	--	-------	--

Tool		Depth	
------	--	-------	--

Cement Left In Csg.	7.11	Shoe Joint	2 1/4	Cement Amount Ordered	100 HULL PROCEL
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Meas Line		Displace	0.274 BB
-----------	--	----------	----------

EQUIPMENT				Common
-----------	--	--	--	--------

Pumptrk	5	No.		Helper	
---------	---	-----	--	--------	--

Bulktrk	4	No.		Driver	
---------	---	-----	--	--------	--

Bulktrk	2	No.		Driver	
---------	---	-----	--	--------	--

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	
--------------------	--	-------------------------	--

Cement did Circulate			
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FLOAT EQUIPMENT			
Guide Shoe			
Centralizer			
Baskets			
AFU Inserts			
Float Shoe			
Latch Down			
Pumptrk Charge			
Mileage			
Signature	<i>Blake</i>	Tax	
		Discount	
		Total Charge	

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. 8000

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-17-13	31	15	13	Russell	KS		800AM

Location Russell 5 to county line 2 E N 1/2

Lease	Prasser	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Royal #2				
Type Job	plug				
Hole Size	7 7/8	T.D.	3325	Charge To	RJM Company
Csg.		Depth		Street	
Tbg. Size	4 1/2 DP	Depth	3275	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	
Meas Line	Displace		H2O, Mudd	210-60-40-4% gel 1/4 # FS	

EQUIPMENT

Pumptrk	16	No.	Cementor Rick	Helper		Common
Bulktrk	4	No.	Driver Billy	Driver		Poz. Mix
Bulktrk	PU	No.	Driver Travis	Driver		Gel.
						Calcium

JOB SERVICES & REMARKS

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
3275 - 50 SX	Handling
880 - 25 SX	Mileage

FLOAT EQUIPMENT

40 - 10 SX with plug	Guide Shoe
RH - 30 SX	Centralizer
MH - 15 SX	Baskets
	AFU Inserts
Cement did circulate	Float Shoe
	Latch Down
	1 dryhole plug
	Pumptrk Charge
	Mileage

	Tax
	Discount
X Signature	Total Charge

Signature: *Tom Blake*



DRILL STEM TEST REPORT

Prepared For: **RJM Coampany**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt

Prosser #1

31-15s-13w

Start Date: 2013.02.15 @ 03:55:00

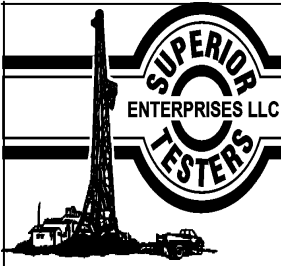
End Date: 2013.02.15 @ 08:49:30

Job Ticket #: 17418 DST #: 1

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

Printed: 2013.02.15 @ 09:09:05

RJM Coampany
31-15s-13w
Prosser #1
DST # 1
Lasing A-B
2013.02.15



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

31-15s-13w
Prosser #1
 Job Ticket: 17418 **DST#: 1**
 Test Start: 2013.02.15 @ 03:55:00

GENERAL INFORMATION:

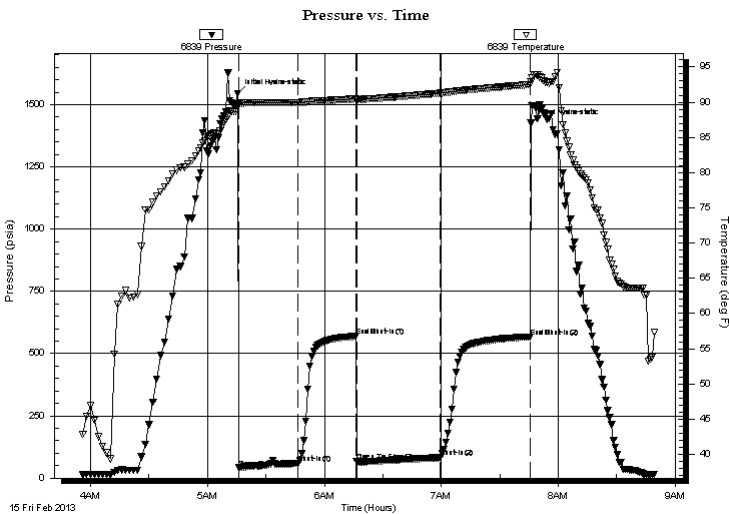
Formation: **Lasing A-B**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:16:00
 Tester: Dustin Ellis
 Time Test Ended: 08:49:30
 Unit No: 3315- Great Bend-60
Interval: 3083.00 ft (KB) To 3115.00 ft (KB) (TVD)
 Reference Elevations: 1909.00 ft (KB)
 Total Depth: 3115.00 ft (KB) (TVD) 1902.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 6839 Outside

Press@RunDepth: 83.62 psia @ 3112.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.15 End Date: 2013.02.15 Last Calib.: 2013.02.15
 Start Time: 03:55:00 End Time: 08:49:30 Time On Btm: 2013.02.15 @ 05:15:30
 Time Off Btm: 2013.02.15 @ 07:46:00

TEST COMMENT: 1st Open 30 minutes Weak building blow built to 3 inches into the water.
 1st Shut in 30 minutes No blow back.
 2nd Open 45 minutes Weak building blow built to 3 inches into the water.
 2nd Shut in 45 minutes No blow back.

PRESSURE SUMMARY



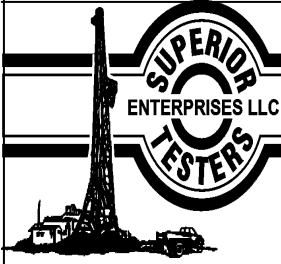
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1543.56	89.81	Initial Hydro-static
1	41.20	89.62	Open To Flow (1)
31	59.39	89.96	Shut-In(1)
61	570.23	90.48	End Shut-In(1)
61	67.61	90.27	Open To Flow (2)
104	83.62	91.28	Shut-In(2)
150	567.69	92.51	End Shut-In(2)
151	1425.46	92.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Muddy water 80% water 20% mud	1.26
0.00	Chlorides	0.00

Gas Rates

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



DRILL STEM TEST REPORT

RJM Coampany
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

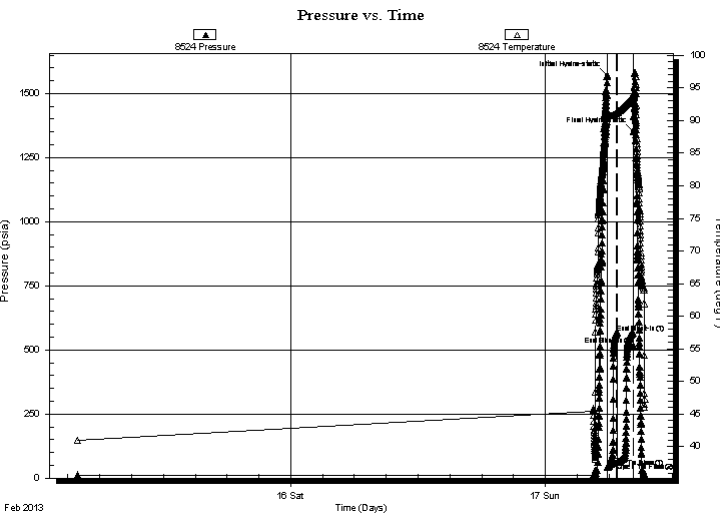
31-15s-13w
Prosser #1
 Job Ticket: 17418 **DST#: 1**
 Test Start: 2013.02.15 @ 03:55:00

GENERAL INFORMATION:

Formation: **Lasing A-B**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:16:00
 Tester: Dustin Ellis
 Time Test Ended: 08:49:30
 Unit No: 3315- Great Bend-60
Interval: 3083.00 ft (KB) To 3115.00 ft (KB) (TVD)
 Reference Elevations: 1909.00 ft (KB)
 Total Depth: 3115.00 ft (KB) (TVD)
 1902.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 8524 **Inside**
 Press@RunDepth: 517.25 psia @ 3111.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.15 End Date: 2013.02.17 Last Calib.: 2013.02.15
 Start Time: 03:55:00 End Time: 09:21:19 Time On Btm: 2013.02.17 @ 05:48:31
 Time Off Btm: 2013.02.17 @ 08:18:33

TEST COMMENT: 1st Open 30 minutes Weak building blow built to 3 inches into the w ater.
 1st Shut in 30 minutes No blow back.
 2nd Open 45 minutes Weak building blow built to 3 inches into the w ater.
 2nd Shut in 45 minutes No blow back.



PRESSURE SUMMARY

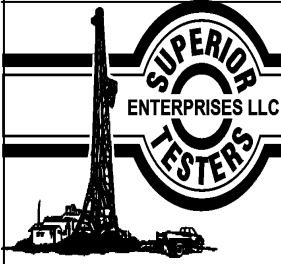
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1571.66	90.52	Initial Hydro-static
1	40.99	89.81	Open To Flow (1)
55	564.94	91.15	End Shut-In(1)
61	61.15	91.27	Open To Flow (2)
151	517.25	93.55	End Shut-In(2)
151	1352.37	94.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Muddy w ater 80%w ater 20%mud	1.26
0.00	Chlorides	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Coampany

31-15s-13w

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17418

DST#: 1

ATTN: Kurt

Test Start: 2013.02.15 @ 03:55:00

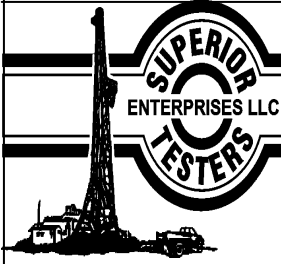
Tool Information

Drill Pipe:	Length: 3070.00 ft	Diameter: 3.80 inches	Volume: 43.06 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	35000.00 lb
			<u>Total Volume: 43.06 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3083.00 ft			Final	31000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	52.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3068.00	
Hydraulic Tool	5.00			3073.00	
Packer	5.00			3078.00	20.00 Bottom Of Top Packer
Packer	5.00			3083.00	
Anchor	27.00			3110.00	
Recorder	1.00	8524	Inside	3111.00	
Recorder	1.00	6839	Outside	3112.00	
Bullnose	3.00			3115.00	32.00 Bottom Packers & Anchor

Total Tool Length: 52.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Coampany

31-15s-13w

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17418

DST#: 1

ATTN: Kurt

Test Start: 2013.02.15 @ 03:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 70.00 sec/qt

Water Loss: 7.60 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Muddy w ater 80%w ater 20%mud	1.262
0.00	Chlorides	0.000

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

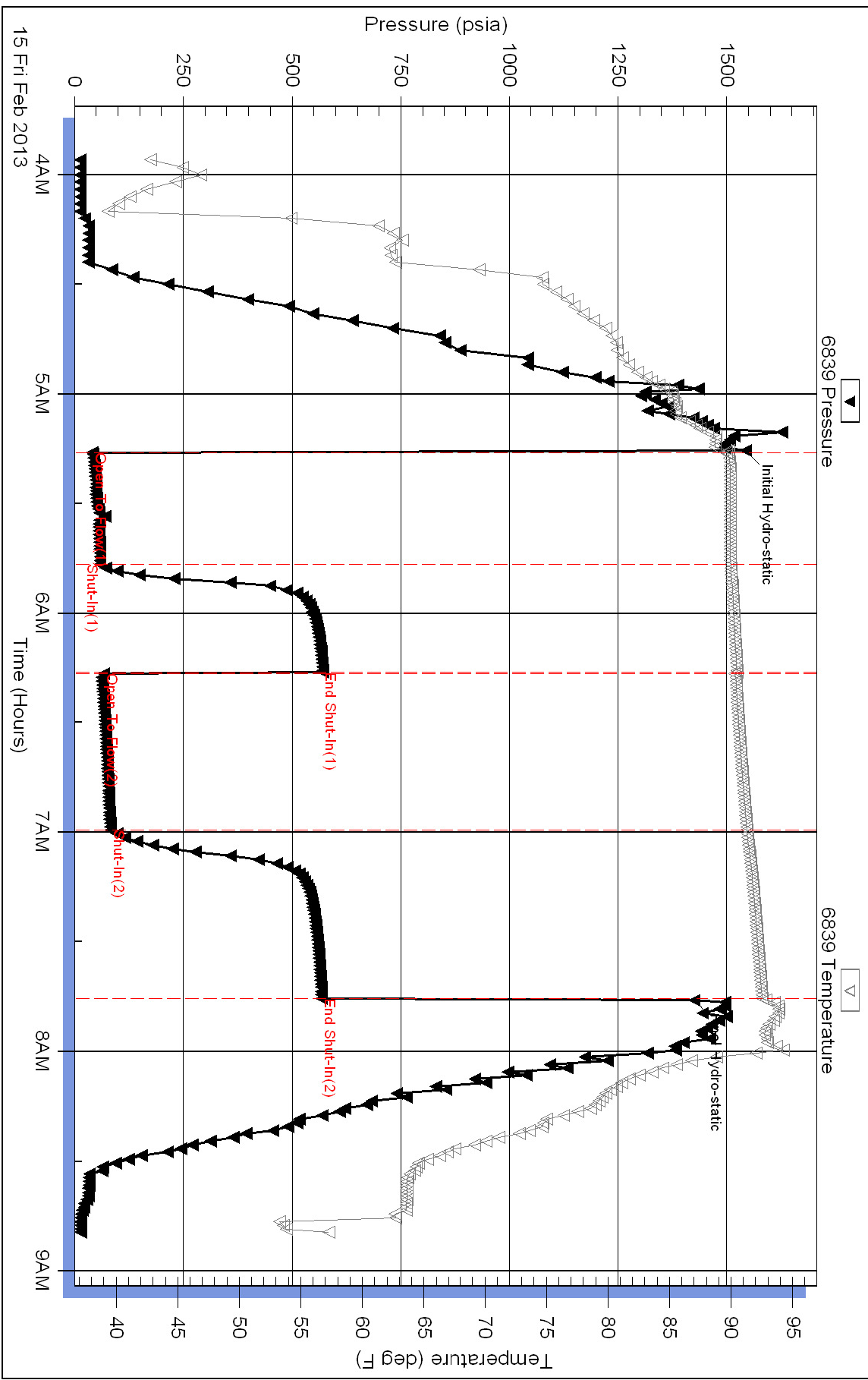
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8524

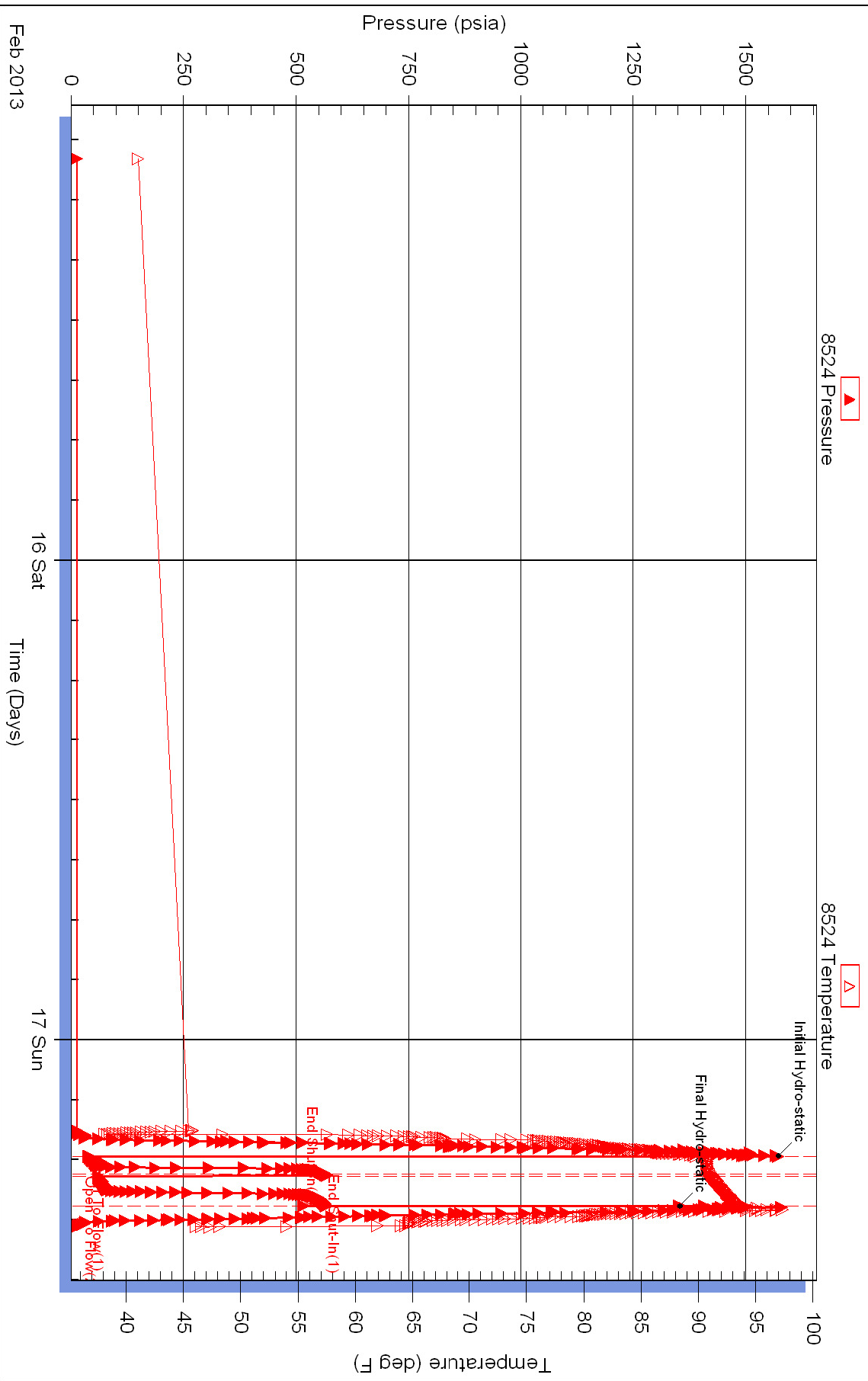
Inside

RJM Company

Posser #1

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17418

Printed: 2013.02.15 @ 09:09:06



DRILL STEM TEST REPORT

Prepared For: **RJM Coampany**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt

Prosser #1

31-15s-13w

Start Date: 2013.02.15 @ 04:50:00

End Date: 2013.02.15 @ 09:22:00

Job Ticket #: 17419 DST #: 2

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

Printed: 2013.02.15 @ 21:33:42



DRILL STEM TEST REPORT

RJM Coampany
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

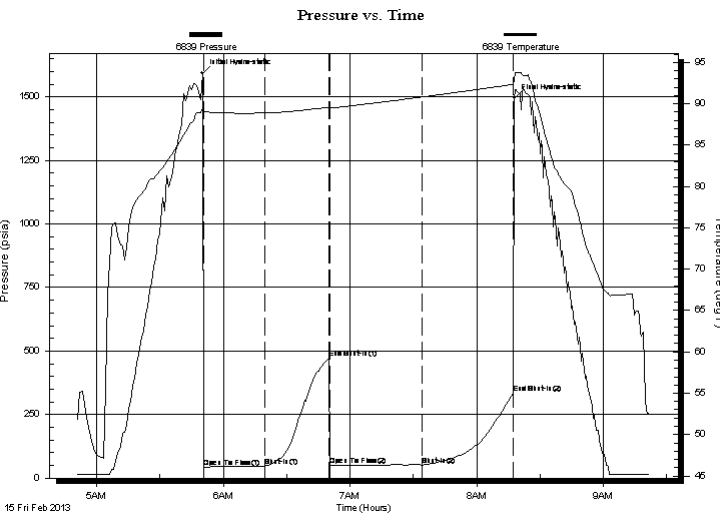
31-15s-13w
Prosser #1
 Job Ticket: 17419 **DST#: 2**
 Test Start: 2013.02.15 @ 04:50:00

GENERAL INFORMATION:

Formation: **Lansing G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:50:30
 Time Test Ended: 09:22:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-60
 Interval: **3141.00 ft (KB) To 3178.00 ft (KB) (TVD)**
 Total Depth: 3178.00 ft (KB) (TVD)
 Reference Elevations: 1909.00 ft (KB)
 1902.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 6839 Outside
 Press@RunDepth: 51.14 psia @ 3175.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.15 End Date: 2013.02.15 Last Calib.: 2013.02.15
 Start Time: 04:50:00 End Time: 09:22:00 Time On Btm: 2013.02.15 @ 05:50:00
 Time Off Btm: 2013.02.15 @ 08:18:00

TEST COMMENT: 1st Open 30 minutes Weak building blow built to 1.5 inches into a 5 gallon bucket of water.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Weak building blow built to 1 inch.
 2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY

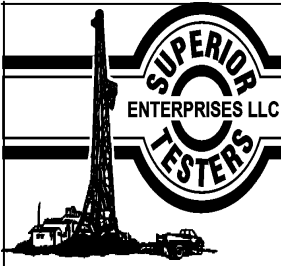
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1592.92	89.50	Initial Hydro-static
1	43.94	89.09	Open To Flow (1)
30	47.28	88.90	Shut-In(1)
60	471.31	89.58	End Shut-In(1)
61	50.29	89.50	Open To Flow (2)
104	51.14	90.83	Shut-In(2)
148	332.70	92.36	End Shut-In(2)
148	1493.31	92.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil spotted mud 3%oil 97%mud	0.42

Gas Rates

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



DRILL STEM TEST REPORT

RJM Coompany
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

31-15s-13w
Prosser #1
 Job Ticket: 17419 **DST#:2**
 Test Start: 2013.02.15 @ 04:50:00

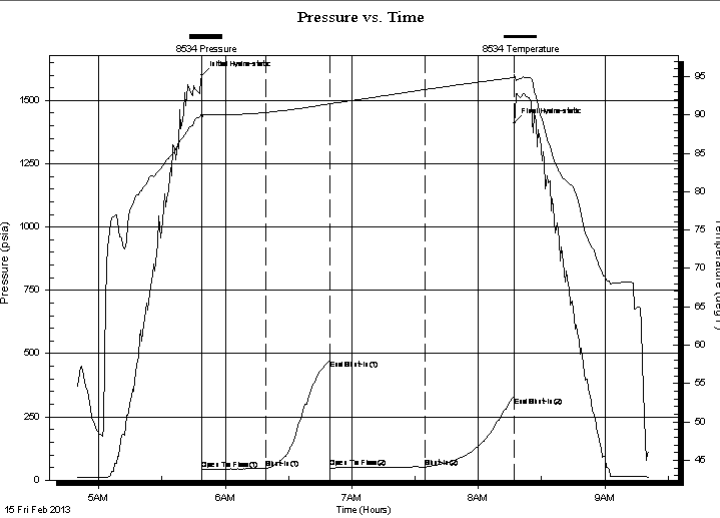
GENERAL INFORMATION:

Formation: **Lansing G**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:50:30 Tester: Dustin Ellis
 Time Test Ended: 09:22:00 Unit No: 3315-Great Bend-60
 Interval: **3141.00 ft (KB) To 3178.00 ft (KB) (TVD)** Reference Elevations: 1909.00 ft (KB)
 Total Depth: 3178.00 ft (KB) (TVD) 1902.00 ft (CF)
 Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8534

Press@RunDepth: 292.51 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.15 End Date: 2013.02.15 Last Calib.: 2013.02.15
 Start Time: 04:50:00 End Time: 09:21:41 Time On Btm: 2013.02.15 @ 05:48:58
 Time Off Btm: 2013.02.15 @ 08:17:10

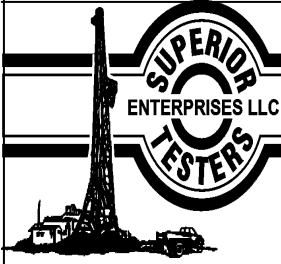
TEST COMMENT: 1st Open 30 minutes Weak building blow built to 1.5 inches into a 5 gallon bucket of water.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Weak building blow built to 1 inch.
 2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1599.86	90.16	Initial Hydro-static
1	44.52	89.43	Open To Flow (1)
30	45.68	90.30	Shut-In(1)
61	438.04	91.45	End Shut-In(1)
61	50.61	91.41	Open To Flow (2)
106	51.04	93.29	Shut-In(2)
149	292.51	94.86	End Shut-In(2)
149	1411.81	95.27	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	Oil spotted mud 3%oil 97%mud	0.42

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Coampany

31-15s-13w

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17419

DST#:2

ATTN: Kurt

Test Start: 2013.02.15 @ 04:50:00

Tool Information

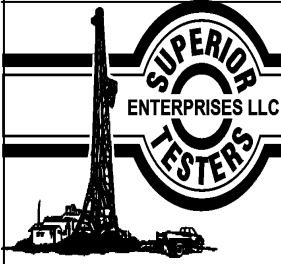
Drill Pipe:	Length: 3131.00 ft	Diameter: 3.80 inches	Volume: 43.92 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 30000.00 lb
			<u>Total Volume: 43.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3141.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	57.00 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			3126.00	
Hydraulic Tool	5.00			3131.00	
Packer	5.00			3136.00	20.00 Bottom Of Top Packer
Packer	5.00			3141.00	
Anchor	32.00			3173.00	
Recorder	1.00	8524	Inside	3174.00	
Recorder	1.00	6839	Outside	3175.00	
Bullnose	3.00			3178.00	37.00 Bottom Packers & Anchor

Total Tool Length: 57.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Coampany

31-15s-13w

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17419

DST#:2

ATTN: Kurt

Test Start: 2013.02.15 @ 04:50:00

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil spotted mud 3%oil 97%mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

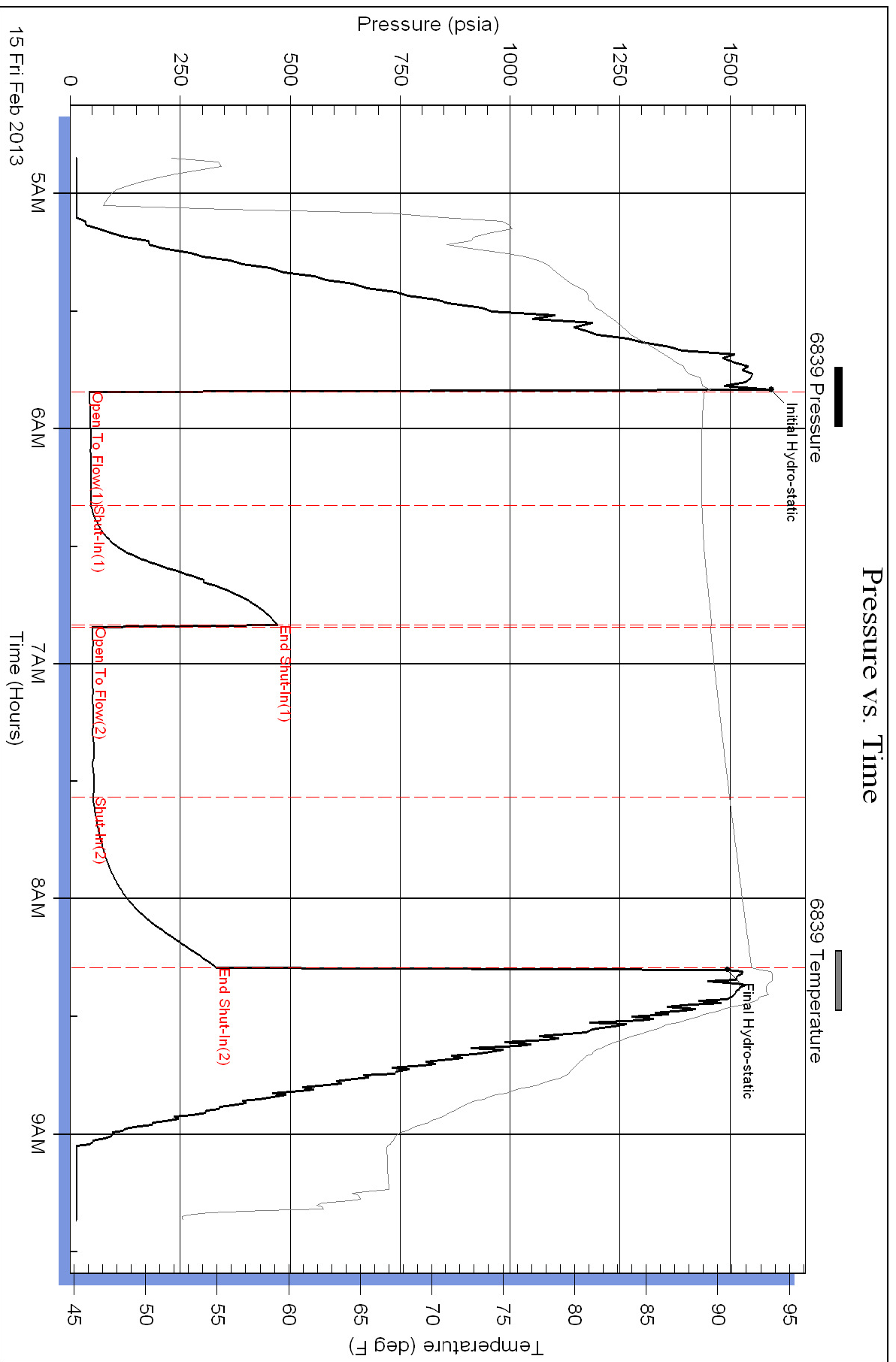
Serial #:

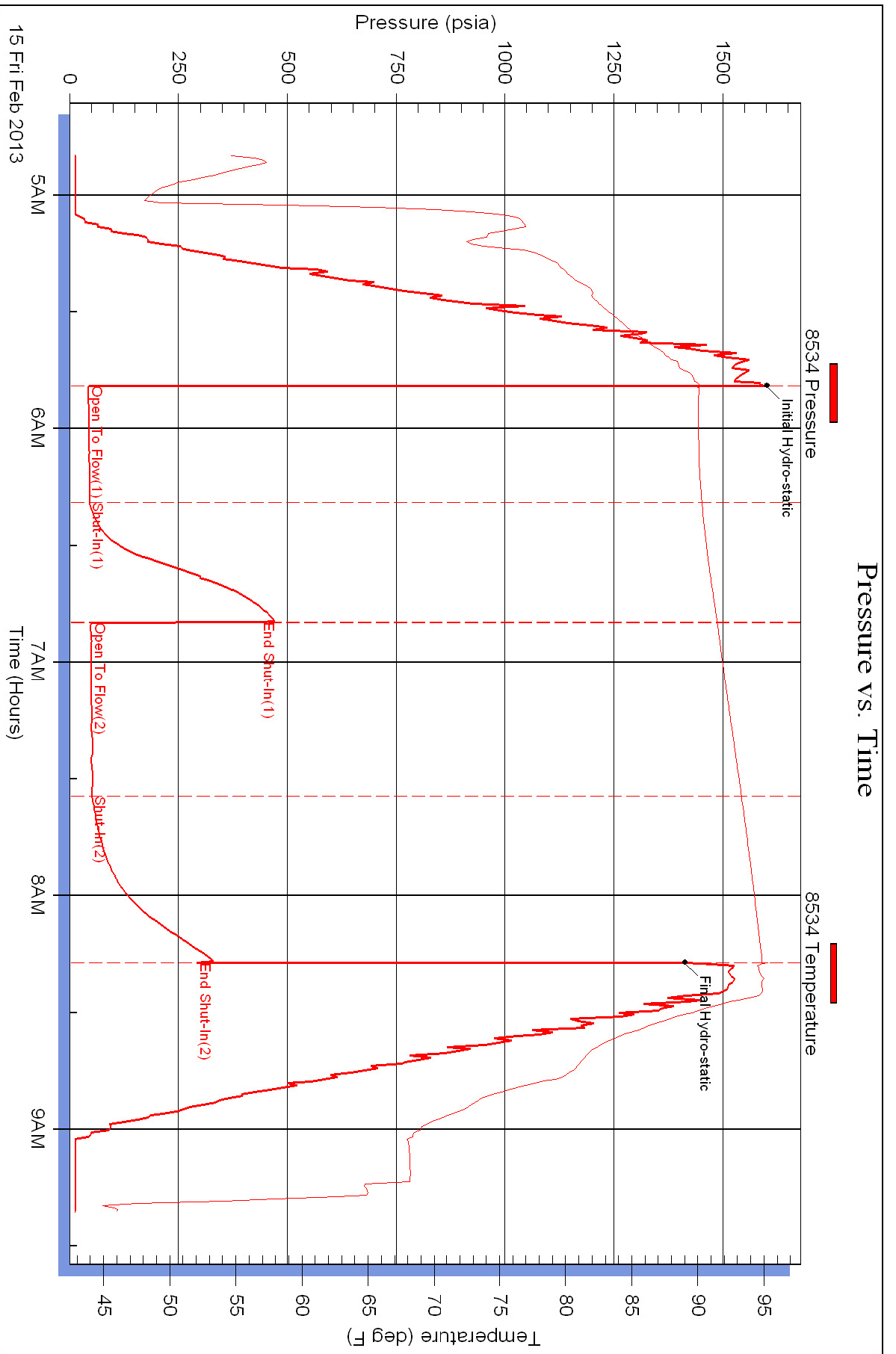
Laboratory Name:

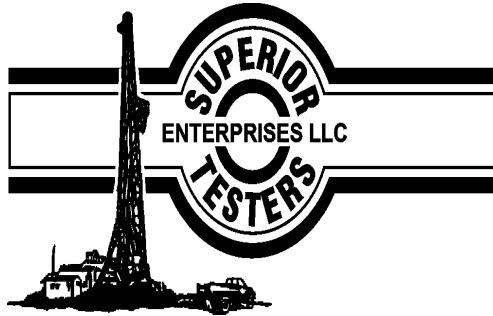
Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **RJM Coampany**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt

Prosser #1

31-15s-13w-Russell

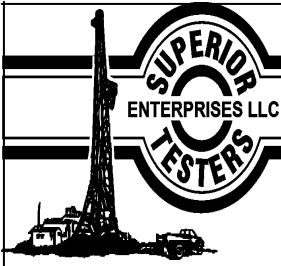
Start Date: 2013.02.16 @ 03:10:00

End Date: 2013.02.16 @ 08:00:00

Job Ticket #: 17420 DST #: 3

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

Printed: 2013.02.16 @ 08:19:49



DRILL STEM TEST REPORT

RJM Coampany
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

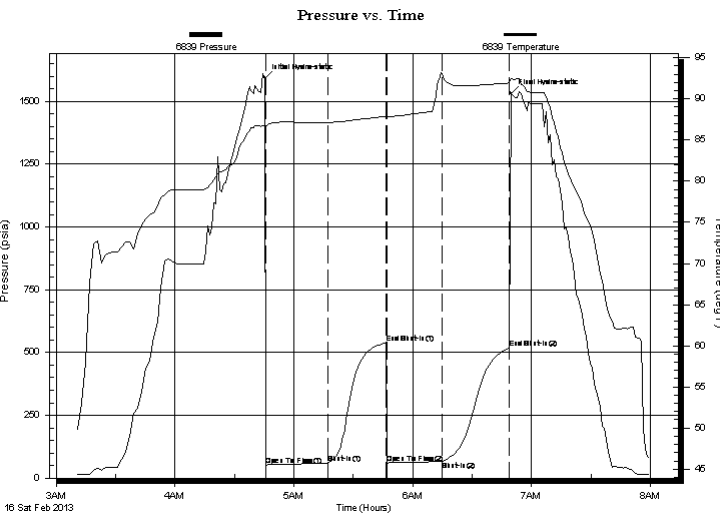
31-15s-13w-Russell
Prosser #1
 Job Ticket: 17420 **DST#: 3**
 Test Start: 2013.02.16 @ 03:10:00

GENERAL INFORMATION:

Formation: **Lansing G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:46:00
 Time Test Ended: 08:00:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-60
 Interval: **3140.00 ft (KB) To 3195.00 ft (KB) (TVD)**
 Total Depth: 3195.00 ft (KB) (TVD)
 Reference Elevations: 1909.00 ft (KB)
 1902.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 6839 Outside
 Press@RunDepth: 65.77 psia @ 3192.43 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.16 End Date: 2013.02.16 Last Calib.: 2013.02.16
 Start Time: 03:10:00 End Time: 08:00:00 Time On Btm: 2013.02.16 @ 04:45:30
 Time Off Btm: 2013.02.16 @ 06:49:30

TEST COMMENT: 1st Open 30 minutes Weak surface blow through out.
 1st Shut in 30 minutes No blow back
 2nd Open 30 minutes Weak surface blow through out.
 2nd Shut in 30 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1592.20	86.76	Initial Hydro-static
1	51.98	86.60	Open To Flow (1)
32	59.33	87.14	Shut-In(1)
61	537.86	87.88	End Shut-In(1)
62	60.98	87.69	Open To Flow (2)
90	65.77	93.11	Shut-In(2)
123	516.07	91.91	End Shut-In(2)
124	1532.39	92.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.42

Gas Rates

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



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

31-15s-13w-Russell
Prosser #1
 Job Ticket: 17420 **DST#: 3**
 Test Start: 2013.02.16 @ 03:10:00

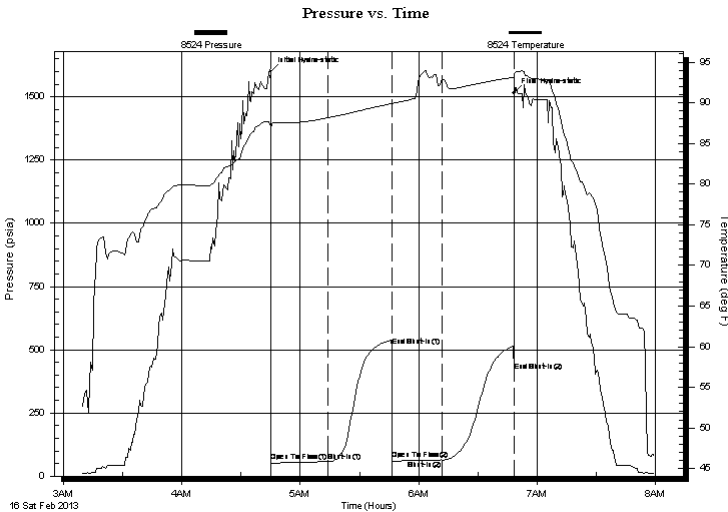
GENERAL INFORMATION:

Formation: **Lansing G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:46:00
 Time Test Ended: 08:00:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-60
 Interval: **3140.00 ft (KB) To 3195.00 ft (KB) (TVD)**
 Reference Elevations: 1909.00 ft (KB)
 Total Depth: 3195.00 ft (KB) (TVD)
 1902.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 8524 Inside
 Press@RunDepth: 414.06 psia @ 3191.43 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.16 End Date: 2013.02.16 Last Calib.: 2013.02.16
 Start Time: 03:10:00 End Time: 07:59:45 Time On Btm: 2013.02.16 @ 04:45:09
 Time Off Btm: 2013.02.16 @ 06:48:09

TEST COMMENT: 1st Open 30 minutes Weak surface blow through out.
 1st Shut in 30 minutes No blow back
 2nd Open 30 minutes Weak surface blow through out.
 2nd Shut in 30 minutes No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1601.59	87.44	Initial Hydro-static
1	58.84	86.78	Open To Flow (1)
29	57.59	88.16	Shut-In(1)
62	513.69	89.89	End Shut-In(1)
62	65.47	89.80	Open To Flow (2)
87	64.12	92.86	Shut-In(2)
123	414.06	93.10	End Shut-In(2)
123	1515.94	93.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.42

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Coampany

31-15s-13w-Russell

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17420

DST#: 3

ATTN: Kurt

Test Start: 2013.02.16 @ 03:10:00

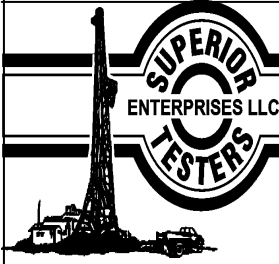
Tool Information

Drill Pipe:	Length: 3129.00 ft	Diameter: 3.80 inches	Volume: 43.89 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 30000.00 lb
			<u>Total Volume: 43.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3140.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.43 ft			
Tool Length:	75.43 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3125.00	
Hydraulic Tool	5.00			3130.00	
Packer	5.00			3135.00	20.00 Bottom Of Top Packer
Packer	5.00			3140.00	
Anchor	5.00			3145.00	
Change Over Sub	0.75			3145.75	
Drill Pipe	30.93			3176.68	
Change Over Sub	0.75			3177.43	
Anchor	13.00			3190.43	
Recorder	1.00	8524	Inside	3191.43	
Recorder	1.00	6839	Outside	3192.43	
Bullnose	3.00			3195.43	55.43 Bottom Packers & Anchor

Total Tool Length: 75.43



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Coampany

31-15s-13w-Russell

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17420

DST#: 3

ATTN: Kurt

Test Start: 2013.02.16 @ 03:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 0.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 2500.00 ppm

Filter Cake: 0.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

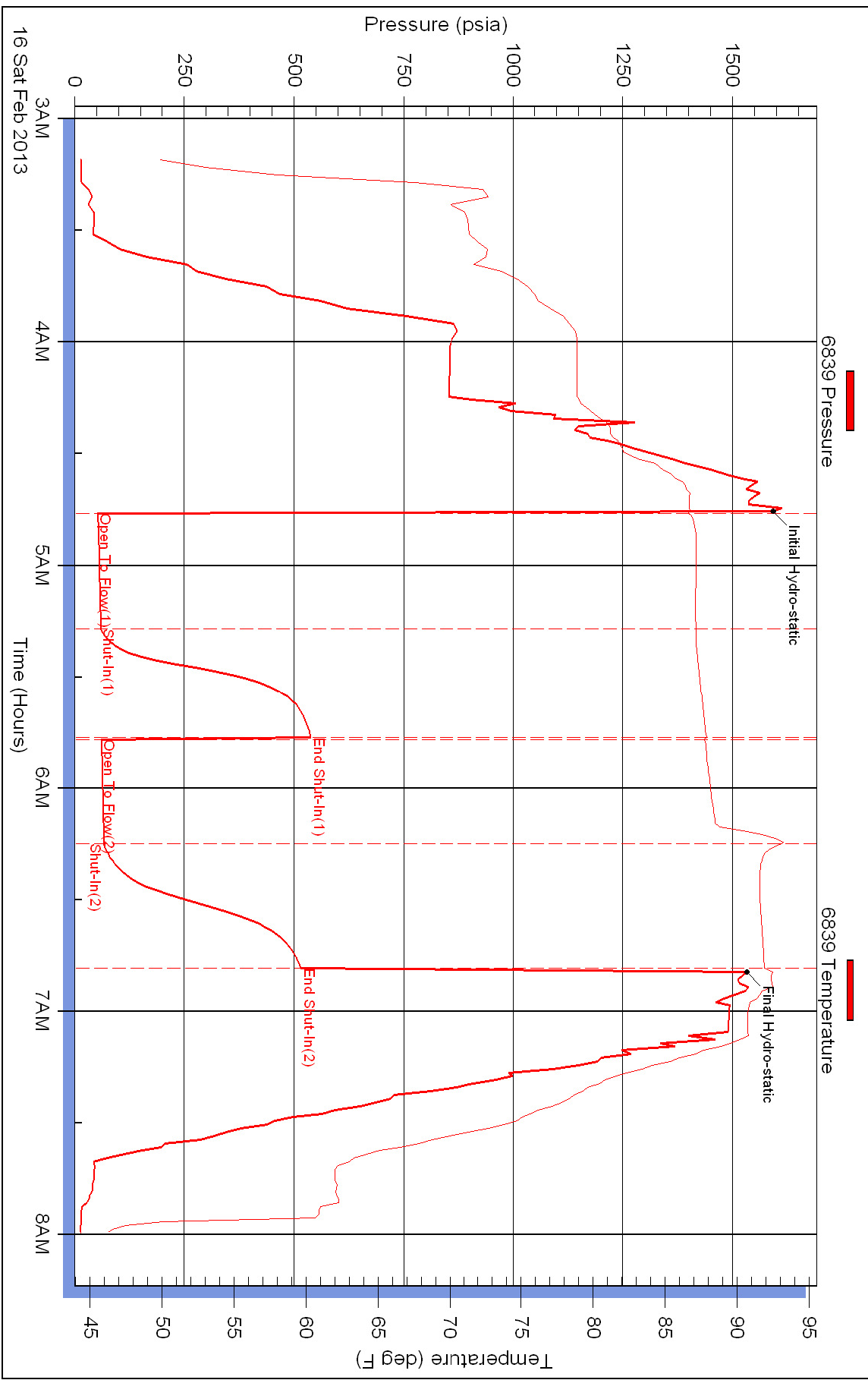
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8524

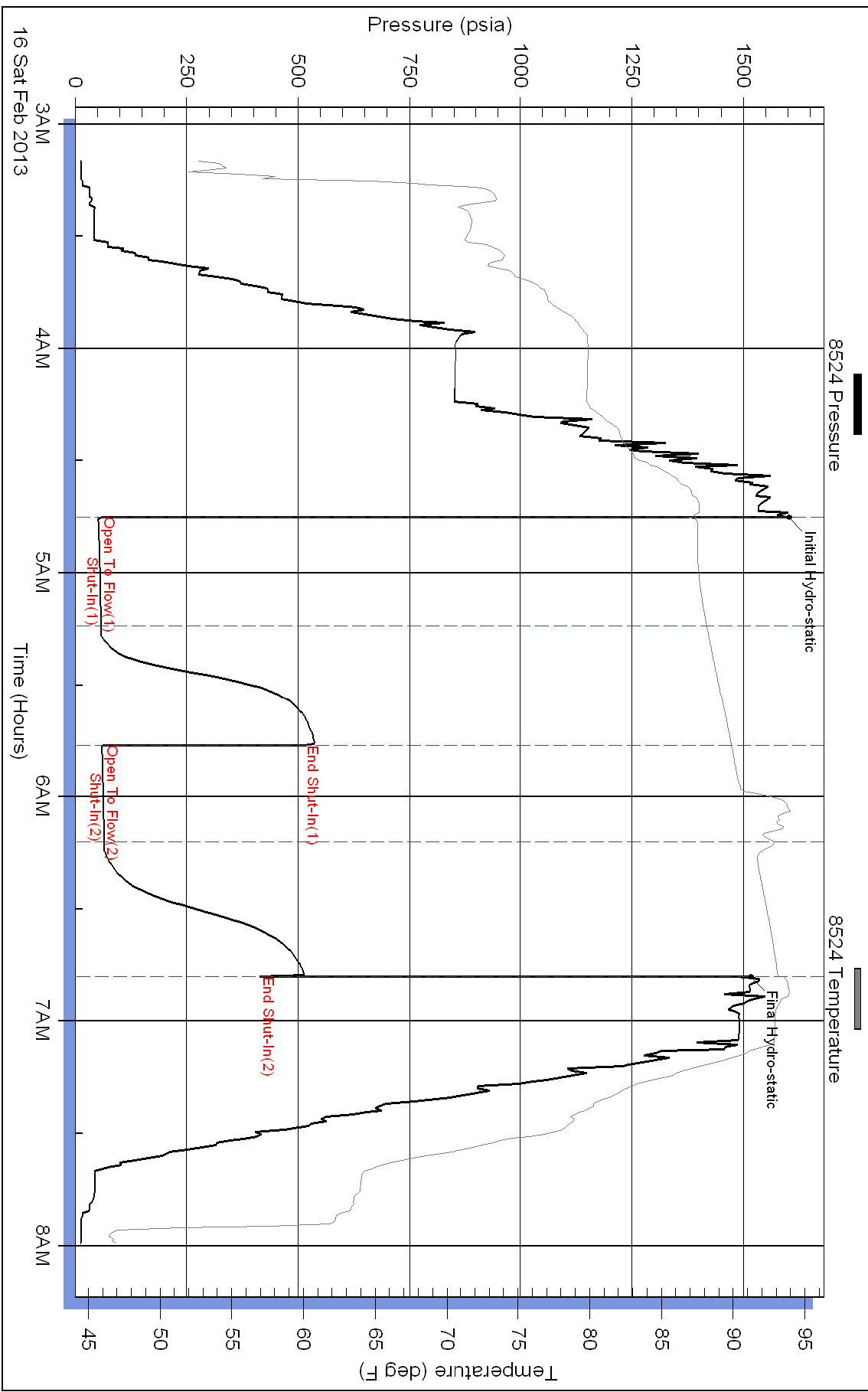
Inside

RJM Coarpany

Prosser #1

DST Test Number: 3

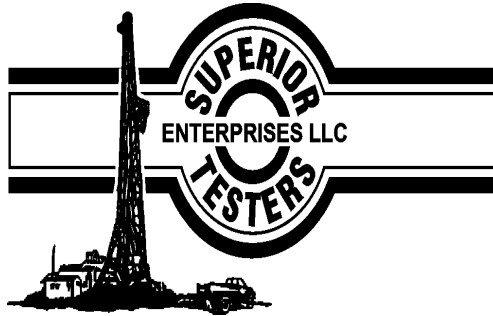
Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17420

Printed: 2013.02.16 @ 08:19:50



DRILL STEM TEST REPORT

Prepared For: **RJM Coampany**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt

Prosser #1

31-15s-13w-Russell

Start Date: 2013.02.16 @ 08:15:00

End Date: 2013.02.16 @ 14:44:00

Job Ticket #: 17421 DST #: 4

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

Printed: 2013.02.17 @ 02:58:47



DRILL STEM TEST REPORT

RJM Coampany
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

31-15s-13w-Russell
Prosser #1
 Job Ticket: 17421 **DST#: 4**
 Test Start: 2013.02.16 @ 08:15:00

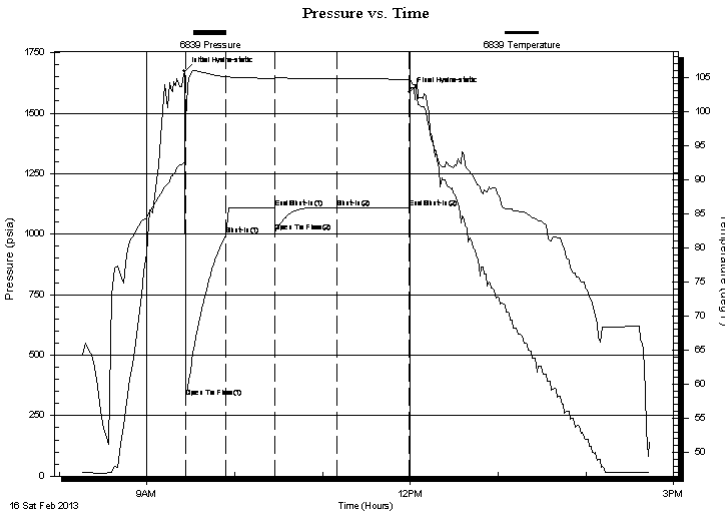
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:26:30
 Time Test Ended: 14:44:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-60
 Interval: **3279.00 ft (KB) To 3325.00 ft (KB) (TVD)**
 Total Depth: 3325.00 ft (KB) (TVD)
 Reference Elevations: 1909.00 ft (KB)
 1902.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 6839 Outside
 Press@RunDepth: 1109.39 psia @ 3322.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.16 End Date: 2013.02.16 Last Calib.: 2013.02.17
 Start Time: 08:15:00 End Time: 14:44:00 Time On Btm: 2013.02.16 @ 09:25:30
 Time Off Btm: 2013.02.16 @ 11:59:30

TEST COMMENT: 1st Open 30 minutes Strong blow blew of bottom bucket 1 minute.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Strong blow blew of bottom bucket 1 minute.
 2nd Shut in 45 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1673.47	92.47	Initial Hydro-static
1	326.01	98.77	Open To Flow (1)
29	998.30	105.05	Shut-In(1)
62	1109.07	104.76	End Shut-In(1)
62	1010.37	104.73	Open To Flow (2)
105	1109.39	104.81	Shut-In(2)
154	1109.57	104.65	End Shut-In(2)
154	1588.52	104.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2250.00	Oil spotted muddy w water	31.56
0.00	Oil 1% Mud30% Water 69%	0.00
0.00	Chlorides 62,000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

RJM Coampany
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

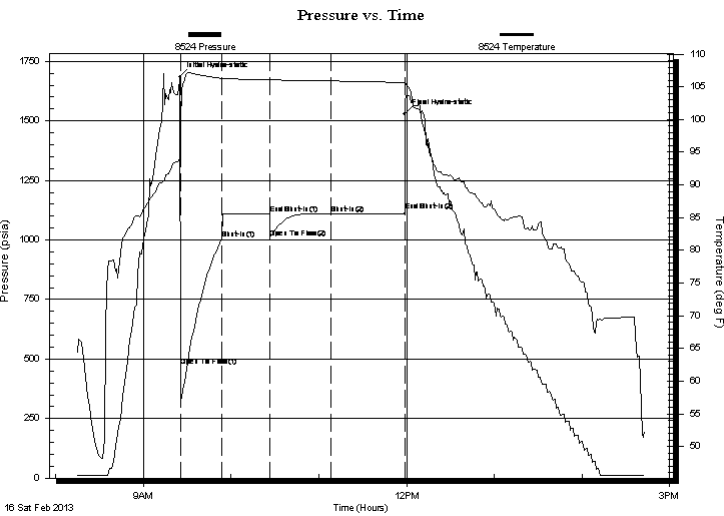
31-15s-13w-Russell
Prosser #1
 Job Ticket: 17421 **DST#: 4**
 Test Start: 2013.02.16 @ 08:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:26:30 Tester: Dustin Ellis
 Time Test Ended: 14:44:00 Unit No: 3315-Great Bend-60
 Interval: **3279.00 ft (KB) To 3325.00 ft (KB) (TVD)** Reference Elevations: 1909.00 ft (KB)
 Total Depth: 3325.00 ft (KB) (TVD) 1902.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8524 Inside
 Press@RunDepth: 1123.47 psia @ 3321.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.16 End Date: 2013.02.16 Last Calib.: 2013.02.17
 Start Time: 08:15:00 End Time: 14:43:29 Time On Btm: 2013.02.16 @ 09:25:07
 Time Off Btm: 2013.02.16 @ 11:58:45

TEST COMMENT: 1st Open 30 minutes Strong blow blew of bottom bucket 1 minute.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Strong blow blew of bottom bucket 1 minute.
 2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1683.76	94.33	Initial Hydro-static
1	471.15	93.75	Open To Flow (1)
29	1004.62	106.27	Shut-In(1)
62	1109.49	106.02	End Shut-In(1)
62	1010.73	105.97	Open To Flow (2)
104	1109.82	105.89	Shut-In(2)
154	1123.47	105.65	End Shut-In(2)
154	1529.09	105.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2250.00	Oil spotted muddy w water	31.56
0.00	Oil 1% Mud30% Water 69%	0.00
0.00	Chlorides 62,000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Coampany

31-15s-13w-Russell

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17421

DST#: 4

ATTN: Kurt

Test Start: 2013.02.16 @ 08:15:00

Tool Information

Drill Pipe:	Length: 3283.00 ft	Diameter: 3.80 inches	Volume: 46.05 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 46.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3279.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	66.00 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			3264.00	
Hydraulic Tool	5.00			3269.00	
Packer	5.00			3274.00	20.00 Bottom Of Top Packer
Packer	5.00			3279.00	
Anchor	41.00			3320.00	
Recorder	1.00	8524	Inside	3321.00	
Recorder	1.00	6839	Outside	3322.00	
Bullnose	3.00			3325.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Coampany

31-15s-13w-Russell

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17421

DST#: 4

ATTN: Kurt

Test Start: 2013.02.16 @ 08:15:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2250.00	Oil spotted muddy w ater	31.562
0.00	Oil 1% Mud30% Water 69%	0.000
0.00	Chlorides 62,000	0.000

Total Length: 2250.00 ft Total Volume: 31.562 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

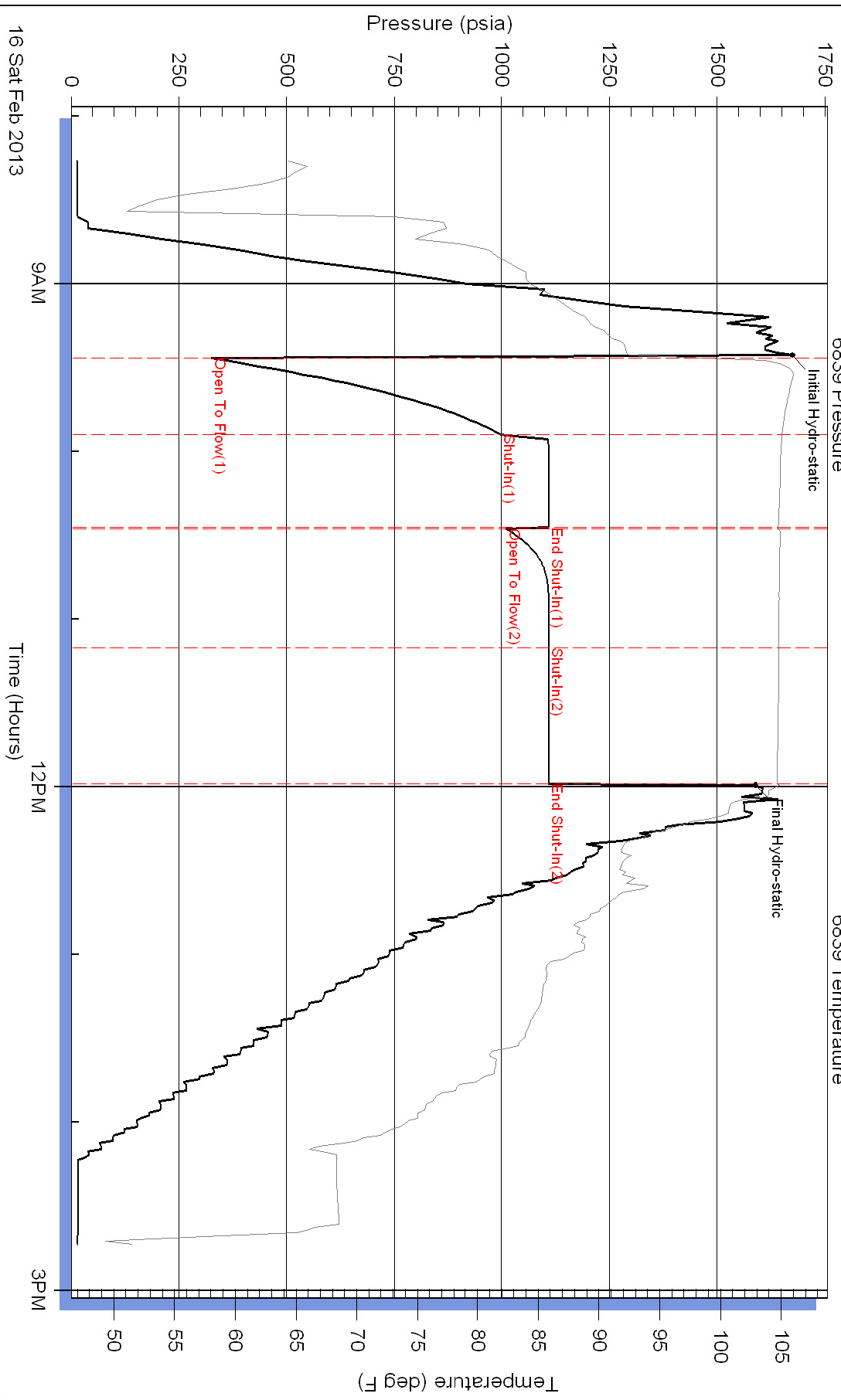
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8524

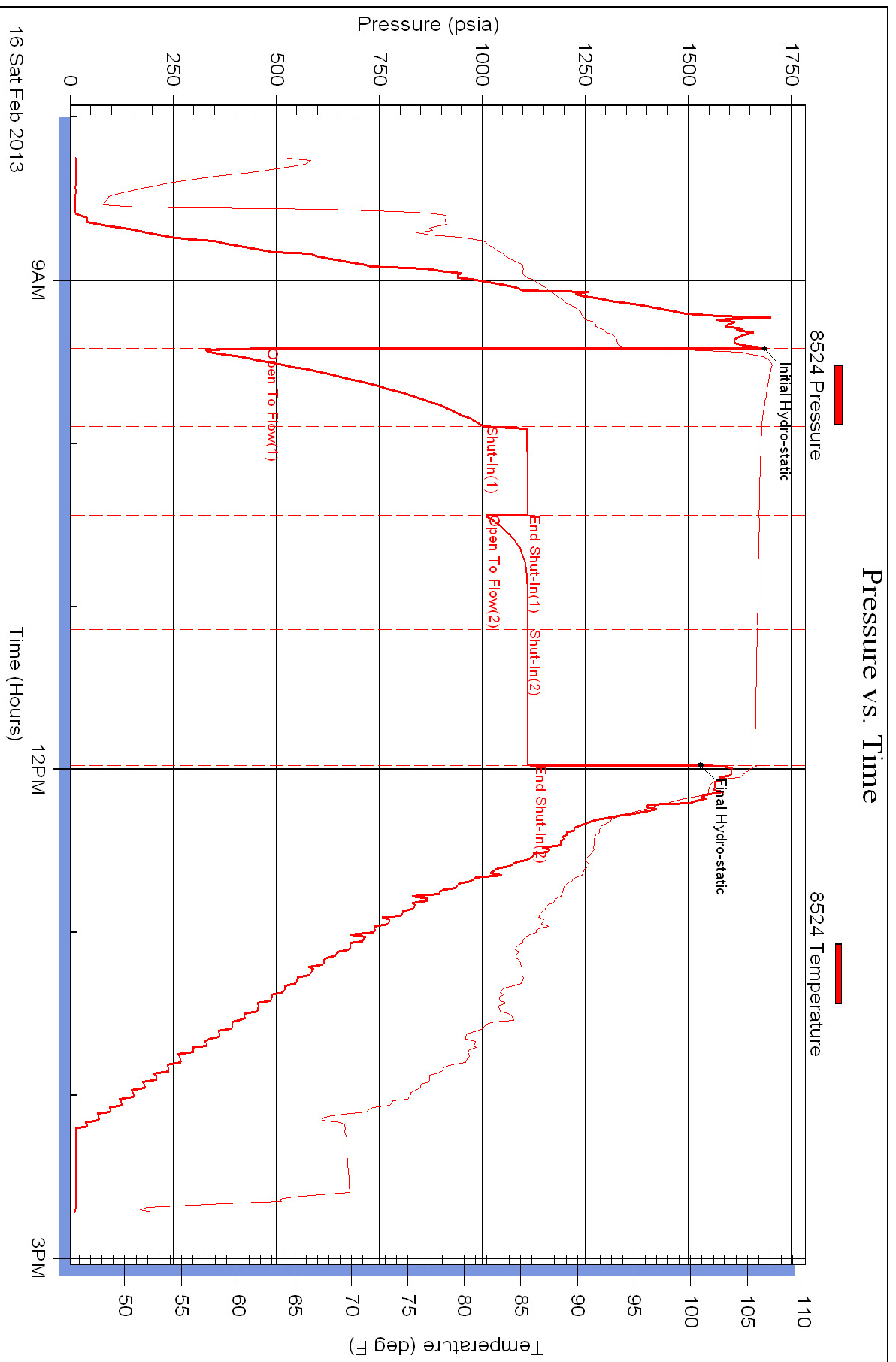
Inside

RJM Company

Prosser #1

DST Test Number: 4

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17421

Printed: 2013.02.17 @ 02:58:48

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

March 27, 2013

Chris Hoffman
RJM Company
PO BOX 256
CLAFLIN, KS 67525-0256

Re: ACO1
API 15-167-23855-00-00
Prosser 1
SE/4 Sec.31-15S-13W
Russell 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 Hoffman