



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1114716
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: _____



1114716

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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	RJM Company
Well Name	Dewey 1
Doc ID	1114716

Tops

Name	Top	Datum
Anhydrite	878	KB
Heebner	3348	KB
Brown Lime	3469	KB
Lansing	3478	KB
Base Kansas City	3705	KB
Viola	3773	KB
Simpson Sand	3847	KB
Arbuckle	3884	KB

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. 6247

Date	12-14-12	Sec.	8	Twp.	22	Range	14	County	Stafford	State	KS	On Location	10:30 AM	Finish	11:30 AM
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Location **Radium 15 1/2 E**

Lease **Dewey** Well No. **1** Owner _____

Contractor **Relay Ag 2** To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job **Surface** Charge To **RJM**

Hole Size **12 1/4** T.D. **880** Street _____

Csg. **8 5/8** Depth **880** City _____ State _____

Tbg. Size _____ Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Tool _____ Depth _____ Cement Amount Ordered **450 3% CC 2% gel**

Cement Left in Csg. **27** Shoe Joint **27** Meas Line Displace **54.4 BBL 1/2 Flowseal**

EQUIPMENT

Pumptrk **15** No. Cementer **Matt** Common **450**

Bulktrk **12** No. Helper _____ Poz. Mix _____

Bulktrk **04** No. Driver **Boett** Gel. **9**

Bulktrk _____ No. Driver **Lennie M** Calcium **16**

JOB SERVICES & REMARKS

Remarks: _____ Hulls _____

Rat Hole _____ Salt _____

Mouse Hole _____ Flowseal **225#**

Centralizers _____ Kol-Seal _____

Baskets _____ Mud CLR 48 _____

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

_____ Sand _____

_____ Handling **475** _____

_____ Mileage _____

FLOAT EQUIPMENT

_____ Guide Shoe _____

_____ Centralizer _____

_____ Baskets _____

_____ AFU Inserts _____

_____ Float Shoe _____

_____ Latch Down _____

_____ **Baffle Plate** _____

_____ **Rubber Plug** _____

_____ Pumptrk Charge **Long Surface** _____

_____ Mileage **2.3** _____

X Signature **MZ**

Tax _____
Discount _____
Total Charge _____

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

– **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

– **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

– **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

– **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

– **DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

– **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

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. 6124

Date	12-21-12	Sec.	8	Twp.	22	Range	14	County	Stafford	State	Ks	On Location		Finish	9:00 AM
								Location	Radium, Ks - 15, 1/2 E, 5/16 N						

Lease	Dewey	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	Production				
Hole Size	7 7/8"	T.D.	3950'	Charge To	RJM Company
Csg.	5 1/2" 15,500 New	Depth	3900 3942'	Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	19.34'	Shoe Joint	19.34'	Cement Amount Ordered 180 sx Common 10% salt	
Meas Line		Displace	93 1/4 BLS	5% Gilsomite - 500 gal mud Clear 48	

EQUIPMENT

Pumptrk	16	No.	Cementer	Travis	Common	180
			Helper		Poz. Mix	
Bulktrk	8	No.	Driver	Lonnie M.	Gel.	
			Driver		Calcium	
Bulktrk	P.U.	No.	Driver	Rick	Hulls	

JOB SERVICES & REMARKS

Remarks:	pipe on bottom, break Circulation	Salt	16
Rat Hole	pump 500 gal mud Clear 48	Flowseal	
Mouse Hole	plug Rathole w/ 30 sx	Kol-Seal	900#
Centralizers	plug mousehole w/ 15 sx	Mud CLR 48	500 gal
Baskets	Hook to 5 1/2" casing + mix 135 sx	CFL-117 or CD110 CAF 38	
D/V or Port Collar	Cement. shut down, wash pump + lines. Released plug + displaced with 93 1/4 BLS of water.	Sand	
	Released + held	Handling	205
		Mileage	

FLOAT EQUIPMENT

Lift pressure	600 #	Guide Shoe	1
Land plug to	120 #	Centralizer	9 turbo's
		Baskets	2
		AFU Inserts	1
		Float Shoe	
		Latch Down	
		1 - Rotating head Assy	
		Pumptrk Charge	prod Long String
		Mileage	23

x Signature Tom Budig.

Tax
Discount
Total Charge

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

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– **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

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(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O. Box 256
Claffin ,Kansas 67525

ATTN: Jim Musgrove

Dewey #1

123

Start Date: 2012.12.18 @ 09:00:00

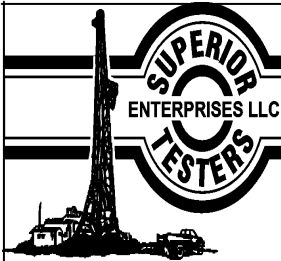
End Date:

Job Ticket #: 17770

DST #: 1

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

Printed: 2012.12.18 @ 19:14:23



DRILL STEM TEST REPORT

RJM Company
 P.O. Box 256
 Claflin ,Kansas 67525
 ATTN: Jim Musgrove

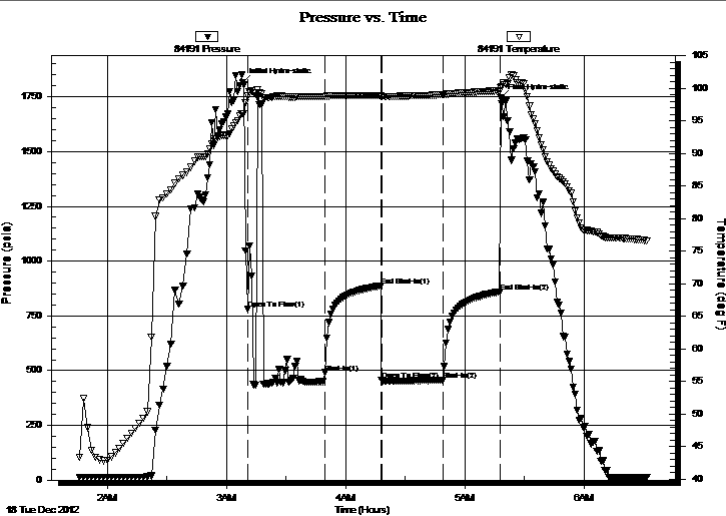
123
Dewey #1
 Job Ticket: 17770 **DST#: 1**
 Test Start: 2012.12.18 @ 09:00:00

GENERAL INFORMATION:

Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened:
 Tester: Gene Budig
 Time Test Ended:
 Unit No: 3335
 Interval: **3594.00 ft (KB) To 3624.00 ft (KB) (TVD)**
 Reference Elevations: 1954.00 ft (KB)
 Total Depth: 3624.00 ft (KB) (TVD) 1947.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 84191 Inside
 Press @ Run Depth: 860.28 psia @ 3621.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.18 End Date: 2012.12.18 Last Calib.: 2012.12.18
 Start Time: 01:45:00 End Time: 11:45:30 Time On Btm: 2012.12.18 @ 03:08:00
 Time Off Btm: 2012.12.18 @ 05:18:00

TEST COMMENT: 1st Opening 30 Minutes Weak blow for 13 minutes and died
 1st Shut-In 30 Minutes No blow back
 2nd Opening 30 Minutes No blow
 2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1814.83	96.13	Initial Hydro-static
3	780.75	98.82	Open To Flow (1)
42	490.82	98.79	Shut-In(1)
70	887.06	98.93	End Shut-In(1)
70	455.25	98.76	Open To Flow (2)
101	456.46	99.05	Shut-In(2)
130	860.28	99.67	End Shut-In(2)
130	1744.22	100.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Mud	2.95
240.00	Slightly Oil Cut Mud	3.37
0.00	5% Oil 95% Mud	0.00
240.00	Gassy Oil Cut Mud	3.37
0.00	35% Gas 5% Oil 60% Mud	0.00
60.00	Slightly Oil and Gas Cut Mud	0.84

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

123

P.O. Box 256
Clafin ,Kansas 67525

Dewey #1

Job Ticket: 17770

DST#: 1

ATTN: Jim Musgrove

Test Start: 2012.12.18 @ 09:00:00

Tool Information

Drill Pipe:	Length: 3603.00 ft	Diameter: 3.80 inches	Volume: 50.54 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: 55000.00 lb
			<u>Total Volume: 50.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3594.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 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
Change Over Sub	1.00			3574.00	
Shut-In Tool	5.00			3579.00	
Hydroic Tool	5.00			3584.00	
Packer	5.00			3589.00	21.00 Bottom Of Top Packer
Packer	5.00			3594.00	
Perforations	26.00			3620.00	
Recorder	1.00	84191	Inside	3621.00	
Recorder	1.00	6819	Outside	3622.00	
Bullnose	3.00			3625.00	31.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company

123

P.O. Box 256
Clafin ,Kansas 67525

Dewey #1

Job Ticket: 17770

DST#: 1

ATTN: Jim Musgrove

Test Start: 2012.12.18 @ 09:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 9.59 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	Mud	2.946
240.00	Slightly Oil Cut Mud	3.367
0.00	5% Oil 95% Mud	0.000
240.00	Gassy Oil Cut Mud	3.367
0.00	35% Gas 5% Oil 60% Mud	0.000
60.00	Slightly Oil and Gas Cut Mud	0.842
0.00	10% Gas 5% Oil 85% Mud	0.000
60.00	Oil and Gas Cut Muddy Water	0.842
0.00	20% Gas 15% Oil 40% Mud 25% Water	0.000
0.00	Chlorides 16000	0.000

Total Length: 810.00 ft Total Volume: 11.364 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 84191

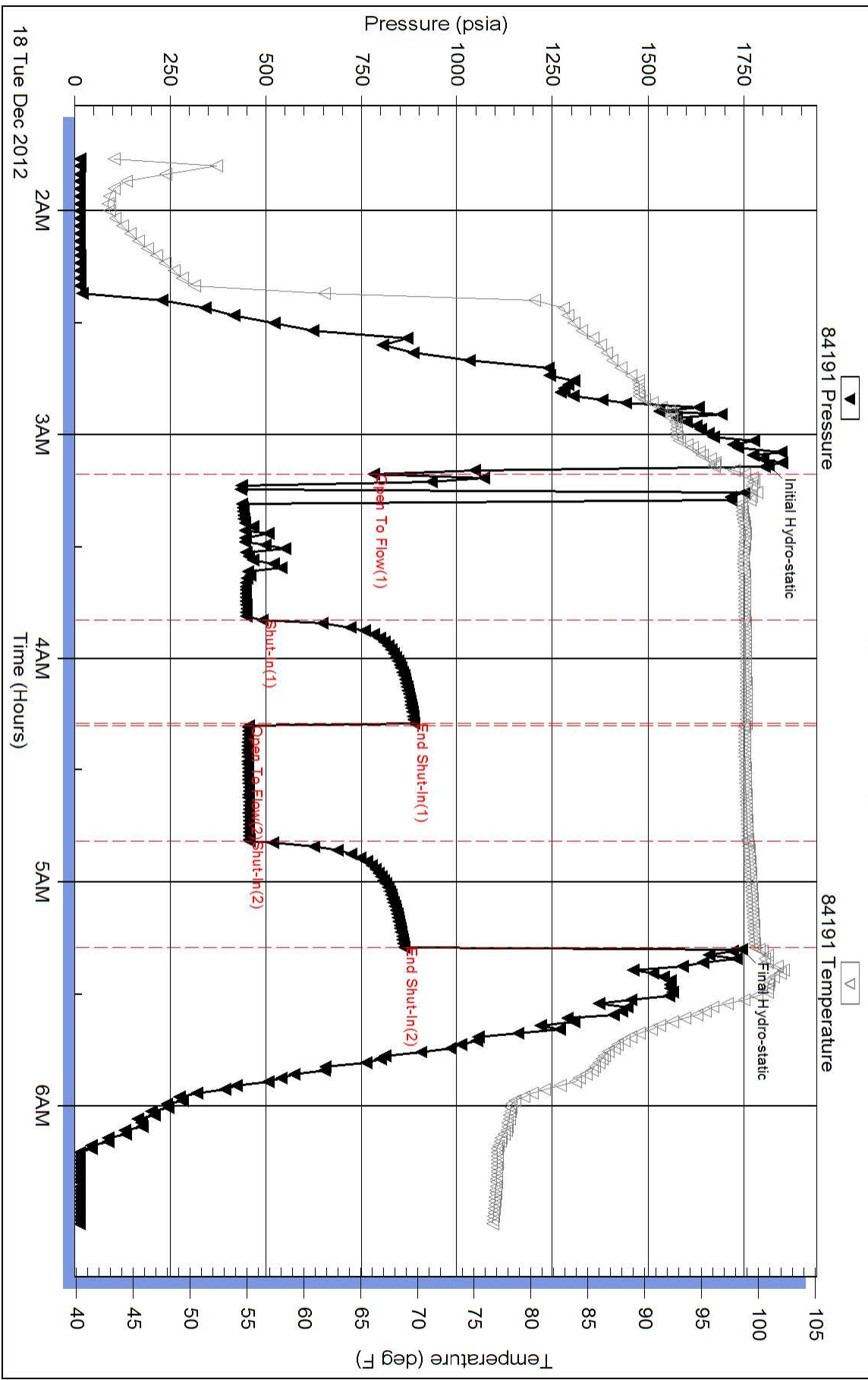
Inside

RJM Company

Dewey #1

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17770

Printed: 2012.12.18 @ 19:14:24



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O. Box 256
Claffin ,Kansas 67525

ATTN: Jim Musgrove

Dewey #1

123

Start Date: 2012.12.18 @ 01:44:57

End Date:

Job Ticket #: 17771

DST #: 2

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

Printed: 2012.12.18 @ 19:01:22

RJM Company

123

Dewey #1

DST # 2

Kansas City

2012.12.18



DRILL STEM TEST REPORT

RJM Company
 P.O. Box 256
 Claflin, Kansas 67525
 ATTN: Jim Musgrove

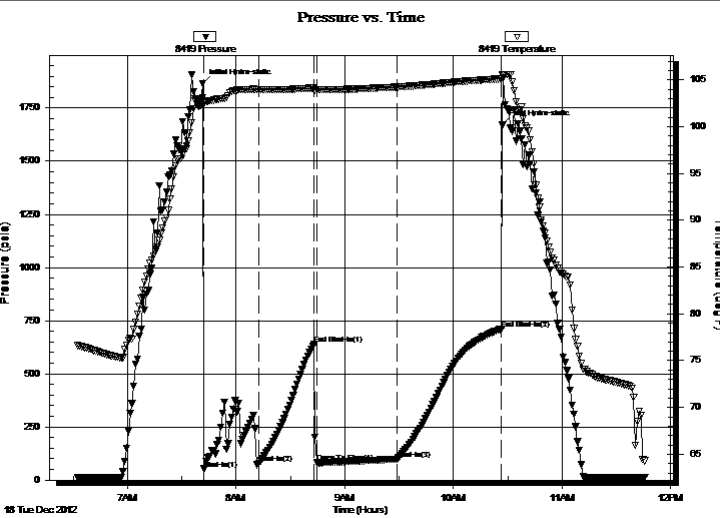
123
Dewey #1
 Job Ticket: 17771 **DST#: 2**
 Test Start: 2012.12.18 @ 01:44:57

GENERAL INFORMATION:

Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended:
 Interval: **3594.00 ft (KB) To 3625.00 ft (KB) (TVD)**
 Total Depth: 3625.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335
 Reference Elevations: 1954.00 ft (KB)
 1947.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8419 Inside
 Press @ Run Depth: 710.62 psia @ 3621.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.18 End Date: 2012.12.18 Last Calib.: 2012.12.18
 Start Time: 01:45:00 End Time: 11:45:30 Time On Btm: 2012.12.18 @ 07:41:30
 Time Off Btm: 2012.12.18 @ 10:27:00

TEST COMMENT: 1st Opening 30 Minutes Fair blow built to the bottom of a 5 gallon bucket in 25 minutes
 1st Shut-In 30 Minutes-Very weak blow back
 2nd Opening 45 Minutes-Good blow built to the bottom of a 5 gallon bucket in 1 minute
 2nd Shut-In 60 Minutes-Weak blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1864.67	103.11	Initial Hydro-static
1	52.79	102.58	Shut-In(1)
31	78.31	103.94	Shut-In(2)
62	638.22	104.13	End Shut-In(1)
63	81.82	103.96	Open To Flow (1)
107	98.29	104.22	Shut-In(3)
165	710.62	105.13	End Shut-In(2)
166	1669.81	105.51	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	850 Gas in the pipe	0.00
50.00	Muddy Gassy Oil	0.70
0.00	18% Gas 30% Oil 12% Water 40% Mud	0.00
60.00	slightly mud cut gassy oil	0.84
0.00	30% Gas 50% Oil 15% water 5% Mud	0.00
60.00	slightly mud cut gassy oil	0.84

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

123

P.O. Box 256
Clafin ,Kansas 67525

Dewey #1

Job Ticket: 17771

DST#: 2

ATTN: Jim Musgrove

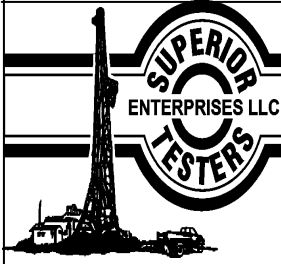
Test Start: 2012.12.18 @ 01:44:57

Tool Information

Drill Pipe:	Length: 3603.00 ft	Diameter: 3.80 inches	Volume: 50.54 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:	65000.00 lb
			<u>Total Volume: 50.54 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3594.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	31.00 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
Change Over Sub	1.00			3574.00	
Shut-In Tool	5.00			3579.00	
Hydroic Tool	5.00			3584.00	
Packer	5.00			3589.00	21.00 Bottom Of Top Packer
Packer	5.00			3594.00	
Perforations	26.00			3620.00	
Recorder	1.00	8419	Inside	3621.00	
Recorder	1.00	6839	Outside	3622.00	
Bullnose	3.00			3625.00	31.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company

123

P.O. Box 256
Clafin ,Kansas 67525

Dewey #1

Job Ticket: 17771

DST#: 2

ATTN: Jim Musgrove

Test Start: 2012.12.18 @ 01:44:57

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 9.60 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	850 Gas in the pipe	0.000
50.00	Muddy Gassy Oil	0.701
0.00	18% Gas 30% Oil 12% Water 40% Mud	0.000
60.00	slightly mud cut gassy oil	0.842
0.00	30%Gas 50%Oil 15%w aqter 5% Mud	0.000
60.00	slightly mud cut gassy oil	0.842
0.00	38%Gas 40% Oil 12% Water 10%Mud	0.000

Total Length: 170.00 ft Total Volume: 2.385 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

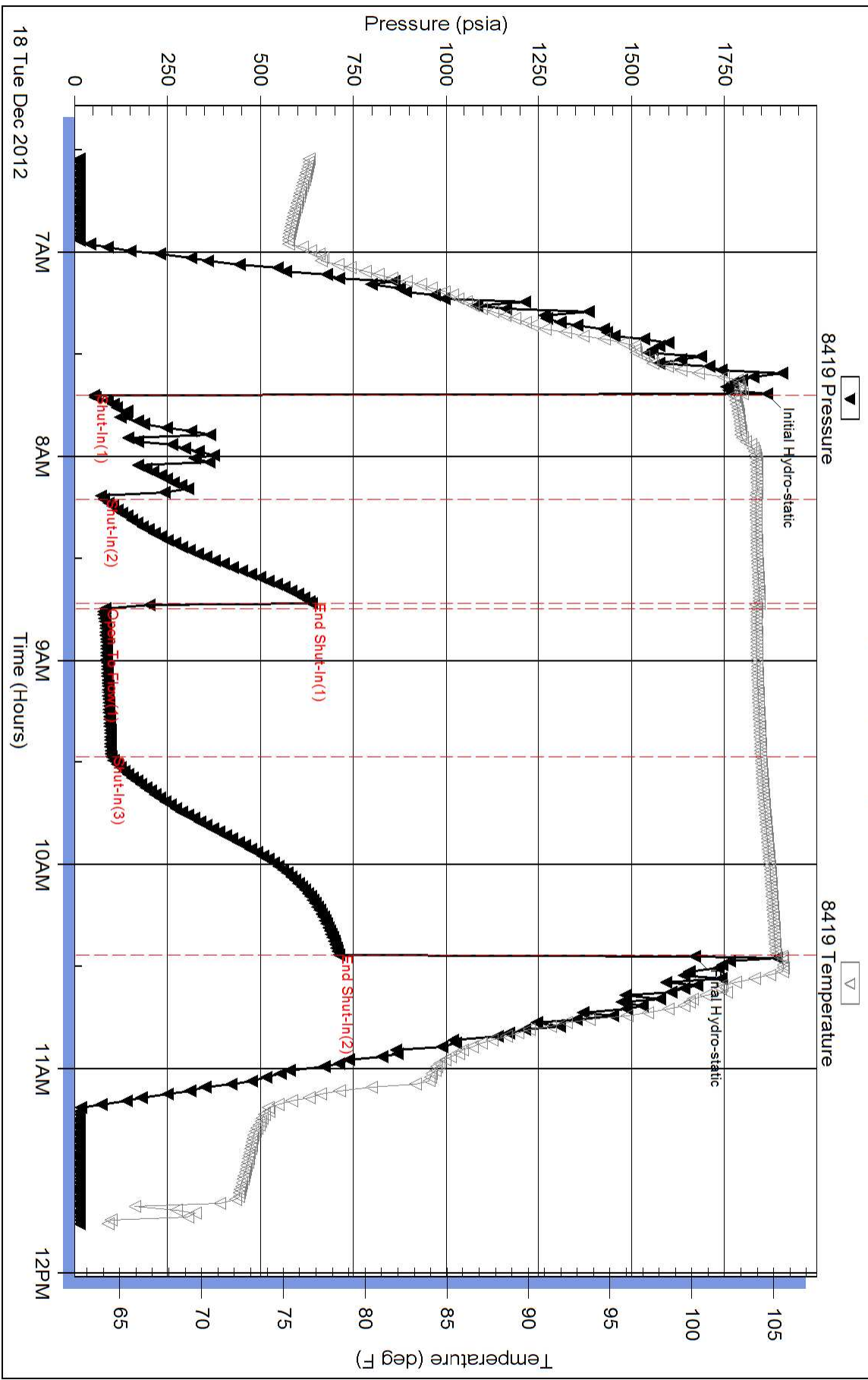
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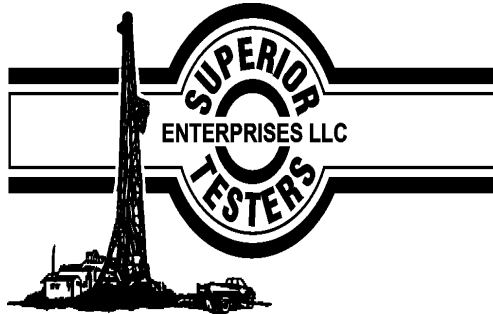
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O. Box 256
Claffin ,Kansas 67525

ATTN: Jim Musgrove

Dewey #1

123

Start Date: 2012.12.19 @ 04:00:00

End Date: 2012.12.19 @ 00:00:00

Job Ticket #: 17772 DST #: 3

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

Printed: 2012.12.19 @ 08:49:41

RJM Company
123
Dewey #1
DST # 3
Kansas City
2012.12.19



DRILL STEM TEST REPORT

RJM Company
 P.O. Box 256
 Claflin, Kansas 67525
 ATTN: Jim Musgrove

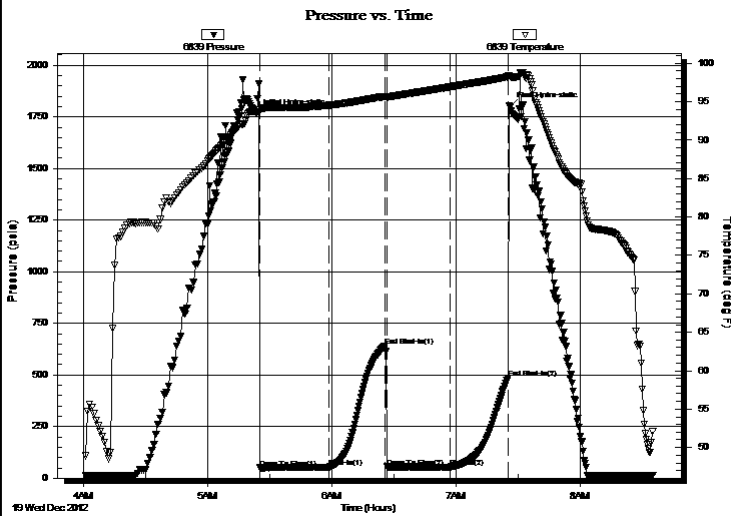
123
Dewey #1
 Job Ticket: 17772 **DST#: 3**
 Test Start: 2012.12.19 @ 04:00:00

GENERAL INFORMATION:

Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00 Tester: Gene Budig
 Time Test Ended: 00:00:00 Unit No: 3335-39
 Interval: **3630.00 ft (KB) To 3680.00 ft (KB) (TVD)** Reference Elevations: 1954.00 ft (KB)
 Total Depth: 3680.00 ft (KB) (TVD) 1947.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6839 Inside
 Press @ Run Depth: 483.95 psia @ 3675.78 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.19 End Date: 2012.12.19 Last Calib.: 2012.12.19
 Start Time: 04:00:00 End Time: 08:35:00 Time On Btm: 2012.12.19 @ 05:23:30
 Time Off Btm: 2012.12.19 @ 07:26:00

TEST COMMENT: 1st Opening 30 Minutes-Weak steaky surface blow through out
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes No Blow
 2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

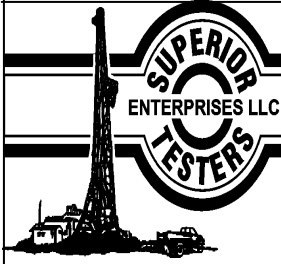
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1767.03	93.71	Initial Hydro-static
2	49.92	93.90	Open To Flow (1)
35	53.73	94.55	Shut-In(1)
62	639.13	95.69	End Shut-In(1)
63	54.31	95.61	Open To Flow (2)
94	53.72	96.92	Shut-In(2)
122	483.95	98.23	End Shut-In(2)
123	1797.45	98.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



DRILL STEM TEST REPORT

RJM Company
 P.O. Box 256
 Claflin, Kansas 67525
 ATTN: Jim Musgrove

123
Dewey #1
 Job Ticket: 17772 **DST#: 3**
 Test Start: 2012.12.19 @ 04:00:00

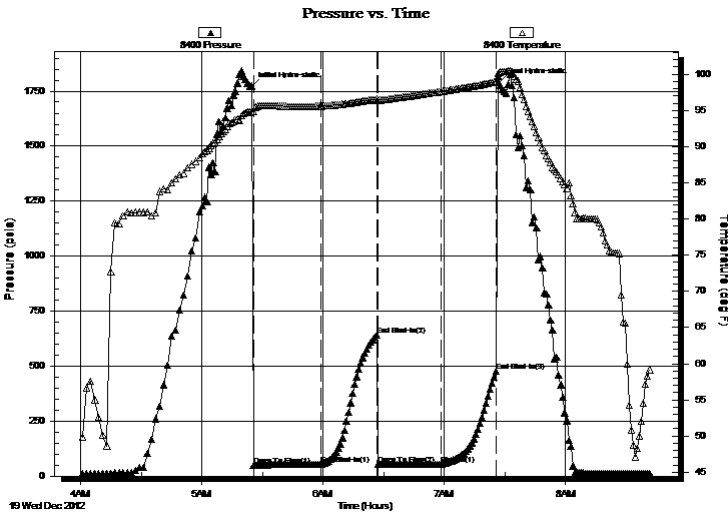
GENERAL INFORMATION:

Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00 Tester: Gene Budig
 Time Test Ended: 00:00:00 Unit No: 3335-39
 Interval: **3630.00 ft (KB) To 3680.00 ft (KB) (TVD)** Reference Elevations: 1954.00 ft (KB)
 Total Depth: 3680.00 ft (KB) (TVD) 1947.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8400 Outside
 Press @ Run Depth: 476.93 psia @ 3676.78 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.19 End Date: 2012.12.19 Last Calib.: 2012.12.19
 Start Time: 04:00:00 End Time: 08:41:30 Time On Btm: 2012.12.19 @ 05:24:30
 Time Off Btm: 2012.12.19 @ 07:27:00

TEST COMMENT: 1st Opening 30 Minutes-Weak steaky surface blow through out
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes No Blow
 2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1772.64	94.78	Initial Hydro-static
1	50.39	94.84	Open To Flow (1)
35	53.52	95.61	End Shut-In(1)
62	641.18	96.57	End Shut-In(2)
63	54.91	96.31	Open To Flow (2)
94	55.56	97.63	Shut-In(1)
121	476.93	98.96	End Shut-In(3)
123	1790.38	100.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

123

P.O. Box 256
Clafin ,Kansas 67525

Dewey #1

Job Ticket: 17772

DST#: 3

ATTN: Jim Musgrove

Test Start: 2012.12.19 @ 04:00:00

Tool Information

Drill Pipe:	Length: 3632.00 ft	Diameter: 3.80 inches	Volume: 50.95 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:	45000.00 lb
			<u>Total Volume: 50.95 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3630.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.78 ft				
Tool Length:	70.78 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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Change Over Sub	1.00			3610.00	
Shut-In Tool	5.00			3615.00	
Hydroic Tool	5.00			3620.00	
Packer	5.00			3625.00	21.00 Bottom Of Top Packer
Packer	5.00			3630.00	
Perforations	5.00			3635.00	
Change Over Sub	0.75			3635.75	
Drill Pipe	31.28			3667.03	
Change Over Sub	0.75			3667.78	
Perforations	7.00			3674.78	
Recorder	1.00	6839	Inside	3675.78	
Recorder	1.00	8400	Outside	3676.78	
Bullnose	3.00			3679.78	49.78 Bottom Packers & Anchor

Total Tool Length: 70.78



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company

123

P.O. Box 256
Claflin ,Kansas 67525

Dewey #1

Job Ticket: 17772

DST#: 3

ATTN: Jim Musgrove

Test Start: 2012.12.19 @ 04:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 9.60 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

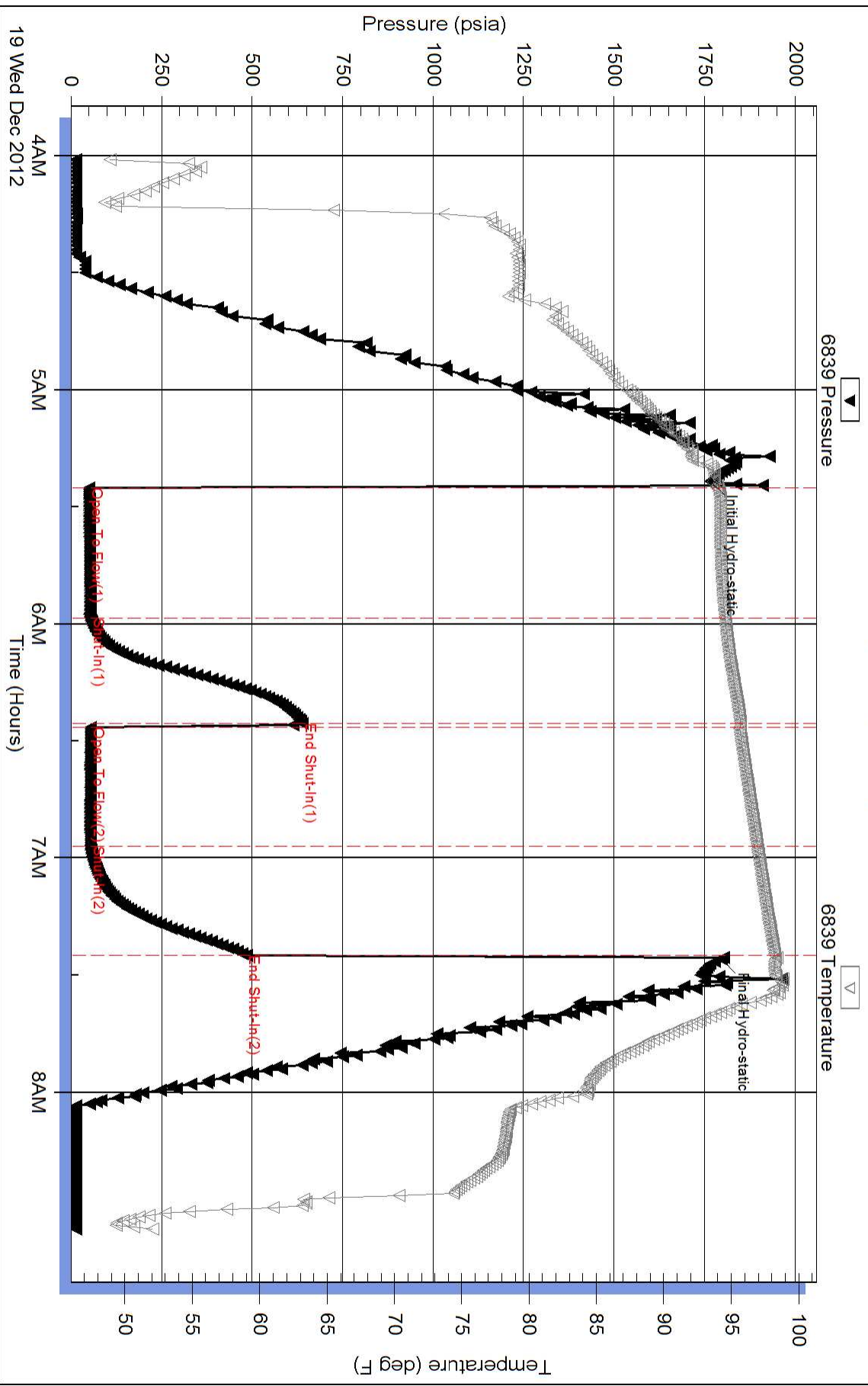
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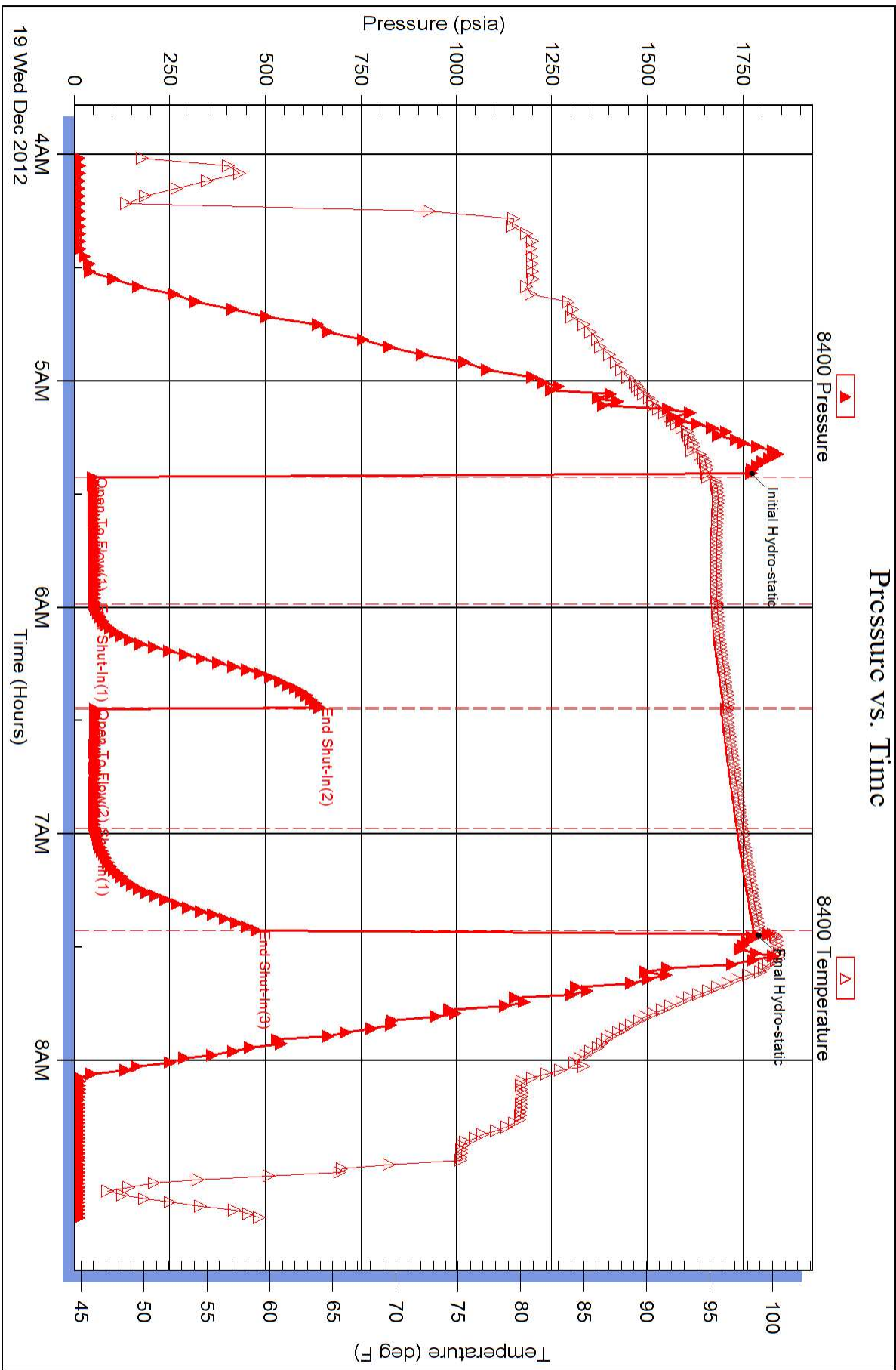
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **RJM Company**

P.O. Box 256
Clafin ,Kansas 67525

ATTN: Jim Musgrove

Dewey #1

123

Start Date: 2012.12.20 @ 00:00:00

End Date:

Job Ticket #: 17773

DST #: 4

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

Printed: 2012.12.20 @ 08:56:26

RJM Company
123
Dewey #1
DST # 4
Simpson and Arbuckle
2012.12.20



DRILL STEM TEST REPORT

RJM Company
 P.O. Box 256
 Claflin ,Kansas 67525
 ATTN: Jim Musgrove

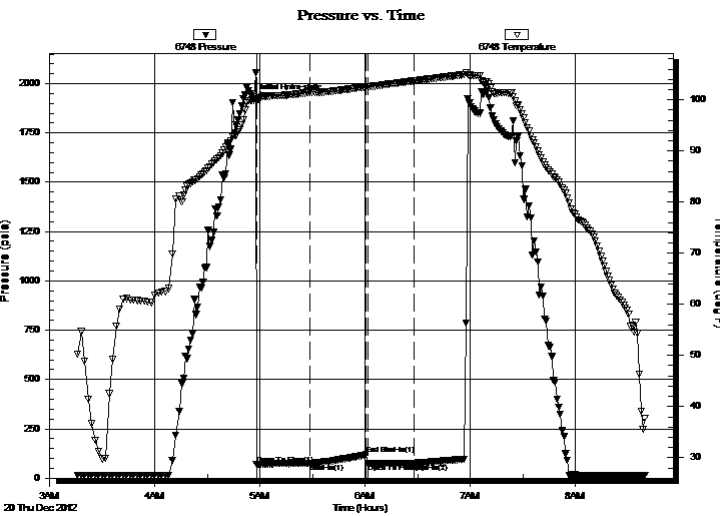
123
Dewey #1
 Job Ticket: 17773 **DST#: 4**
 Test Start: 2012.12.20 @ 00:00:00

GENERAL INFORMATION:

Formation: **Simpson and Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened:
 Tester: Gene budig
 Time Test Ended:
 Unit No: 3335
 Interval: **3811.00 ft (KB) To 3886.00 ft (KB) (TVD)**
 Reference Elevations: 1954.00 ft (KB)
 Total Depth: 3886.00 ft (KB) (TVD) 1947.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6748 Inside
 Press @ RunDepth: 119.48 psia @ 3881.29 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20
 Start Time: 03:15:00 End Time: 08:39:30 Time On Btm: 2012.12.20 @ 04:56:30
 Time Off Btm:

TEST COMMENT: 1st Opening 30 Minutes Weak steady surface blow for 26 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-No blow
 2nd Opening 30 Minutes -No blow back



PRESSURE SUMMARY

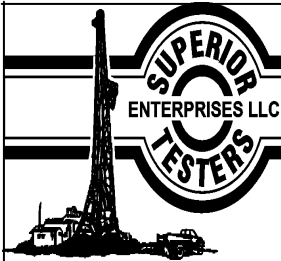
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1922.38	99.93	Initial Hydro-static
2	69.90	99.71	Open To Flow (1)
32	73.82	101.46	Shut-In(1)
64	119.48	102.56	End Shut-In(1)
65	75.41	102.59	Open To Flow (2)
92	74.86	103.70	Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



DRILL STEM TEST REPORT

RJM Company
 P.O. Box 256
 Claflin, Kansas 67525
 ATTN: Jim Musgrove

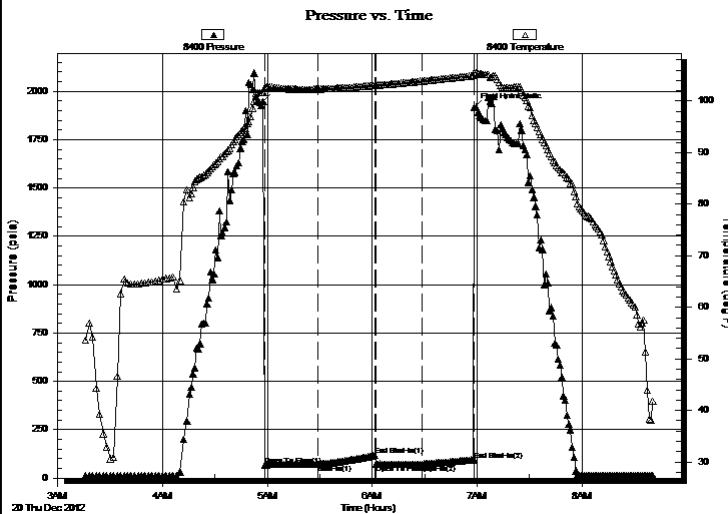
123
Dewey #1
 Job Ticket: 17773 **DST#: 4**
 Test Start: 2012.12.20 @ 00:00:00

GENERAL INFORMATION:

Formation: **Simpson and Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended:
 Interval: **3811.00 ft (KB) To 3886.00 ft (KB) (TVD)**
 Total Depth: 3886.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene budig
 Unit No: 3335
 Reference Elevations: 1954.00 ft (KB)
 1947.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8400 Outside
 Press @ RunDepth: 94.68 psia @ 3882.29 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20
 Start Time: 03:15:00 End Time: 08:41:00 Time On Btm: 2012.12.20 @ 04:57:30
 Time Off Btm: 2012.12.20 @ 06:58:30

TEST COMMENT: 1st Opening 30 Minutes Weak steady surface blow for 26 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-No blow
 2nd Opening 30 Minutes -No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1946.39	101.68	Initial Hydro-static
1	67.92	102.56	Open To Flow (1)
32	71.43	102.31	Shut-In(1)
64	117.88	103.02	End Shut-In(1)
65	72.03	103.02	Open To Flow (2)
91	71.84	103.86	Shut-In(2)
121	94.68	104.91	End Shut-In(2)
121	1916.94	105.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

123

P.O. Box 256
Clafin ,Kansas 67525

Dewey #1

Job Ticket: 17773

DST#: 4

ATTN: Jim Musgrove

Test Start: 2012.12.20 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3816.00 ft	Diameter: 3.80 inches	Volume: 53.53 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: 52000.00 lb
			<u>Total Volume: 53.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3811.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.29 ft			
Tool Length:	95.29 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3791.00	
Shut-In Tool	5.00			3796.00	
Hydroic Tool	5.00			3801.00	
Packer	5.00			3806.00	21.00 Bottom Of Top Packer
Packer	5.00			3811.00	
Perforations	5.00			3816.00	
Change Over Sub	0.75			3816.75	
Drill Pipe	31.79			3848.54	
Change Over Sub	0.75			3849.29	
Perforations	31.00			3880.29	
Recorder	1.00	6748	Inside	3881.29	
Recorder	1.00	8400	Outside	3882.29	
Bullnose	3.00			3885.29	74.29 Bottom Packers & Anchor

Total Tool Length: 95.29



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company

123

P.O. Box 256
Claflin ,Kansas 67525

Dewey #1

Job Ticket: 17773

DST#: 4

ATTN: Jim Musgrove

Test Start: 2012.12.20 @ 00:00:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

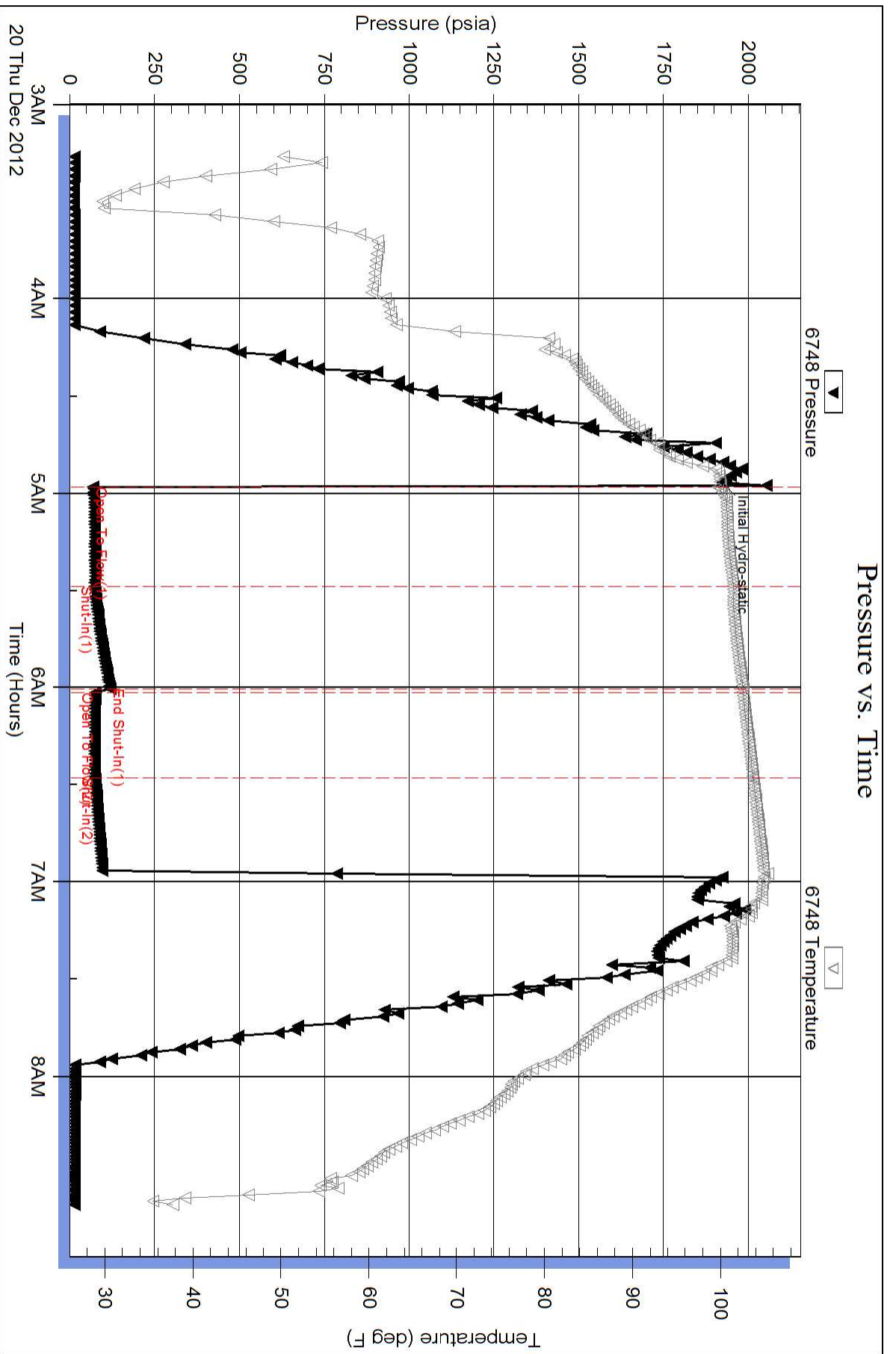
Serial #: 6748

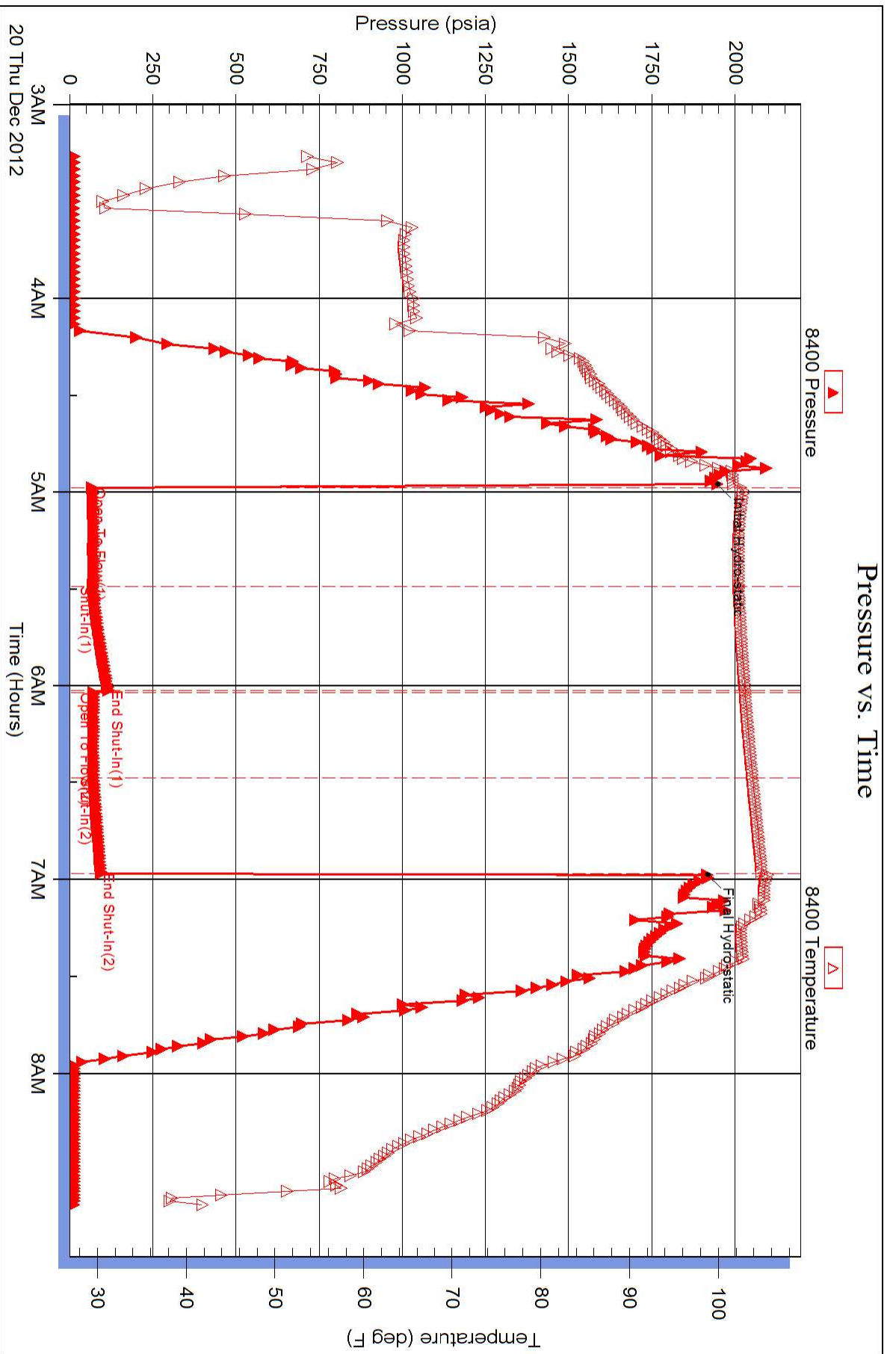
Inside

RJM Company

Dewey #1

DST Test Number: 4





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

February 13, 2013

Brian Miller
RJM Company
PO BOX 256
CLAFLIN, KS 67525-0256

Re: ACO1
API 15-185-23783-00-00
Dewey 1
NE/4 Sec.08-22S-14W
Stafford 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,
Brian Miller