



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1093321
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: _____



1093321

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: Yes No

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <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. 839

Date	8-28-12	Sec.	31	Twp.	17	Range	14	County	Barton	State	KANSAS	On Location		Finish	8:35 AM
Lease	L. W. SCHNEIDER			Well No.	# 1			Location	2811 Hwy 4-500 1/2 S 1/2 E N/100						
Contractor	ROYAL DRILLING #1							Owner	R J M						
Type Job	L SURFACE							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	10 1/4"			T.D.	920'			Charge To	R J M						
Csg.	8 5/8"			Depth	920'			Street	Box 251						
Tbg. Size				Depth				City	CLARLIN			State	KS, 67875		
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint	24'			Cement Amount Ordered	350 Com 300 50						
Meas Line				Displace	57 BBL'S										

EQUIPMENT

Pumptrk # 11A	No.	Cementer		Common
		Helper	TRAVIS	
Bulktrk # 12	No.	Driver		Poz. Mix
		Driver	LEVY	
Bulktrk # 11A	No.	Driver		Gel.
		Driver	CISCO	

JOB SERVICES & REMARKS

Remarks:	HULLS & MANDRELS ON LOCATION			
Rat Hole	Salt			
Mouse Hole	Flowseal			
Centralizers	Kol-Seal			
Baskets	Mud CLR 48			
D/V or Port Collar	CFL-117 or CD110 CAF 38			
	Sand			
	Handling			
	Mileage			

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage

THANK YOU!

X Signature Doug Rading

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. 799

Date	9-3-12	Sec.	31	Twp.	17	Range	14	County	Rowan	State	KS	On Location		Finish	
Lease	FRUEN SCHUEITZ			Well No.	1			Location	Hwy 281+4 3 mi 1/2 from State						
Contractor	Royal #1							Owner	To Quality Oilwell Cementing, Inc.						
Type Job	Production Spring							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	7 7/8		T.D.	3609			Charge To	R.J.M.							
Csg.	5 1/2 1500#		Depth	3472			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.	21 19		Shoe Joint	21 19			Cement Amount Ordered	180 cum of 5 1/2 and 1 1/2							
Meas Line			Displace	82 1/4 B.L.			5 1/2 gal m...								
EQUIPMENT															
Pumptrk	No.	Cementar											Common		
		Helper													
Bulktrk	No.	Driver	T...										Poz. Mix		
		Driver													
Bulktrk	No.	Driver	V...										Gel.		
		Driver													
JOB SERVICES & REMARKS													Calcium		
Remarks:													Hulls		
Rat Hole	30												Salt		
Mouse Hole	15												Flowseal		
Centralizers													Kol-Seal		
Baskets													Mud CLR 48		
D/V or Port Collar													CFL-117 or CD110 CAF 38		
5 1/2 seal @ 3472 T... 3450.81													Sand		
E... Completion Open Triplex Shoe													Handling		
Pump... m... Flush													Mileage		
Play... Cement													FLOAT EQUIPMENT 5 1/2		
5 1/2 with 1355K Cleanlines													Guide Shoe	Triplex Shoe	
Displace Plug													Centralizer	9 T...	
													Baskets	2	
													AFU Inserts		
													Float Shoe		
													Latch Down	1	
													Pumptrk Charge		
													Mileage		
													Tax		
													Discount		
X Signature <i>Donna B...</i>													Total Charge		



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt Talbolt

Ervin Schneider

31-17s-14w-Barton

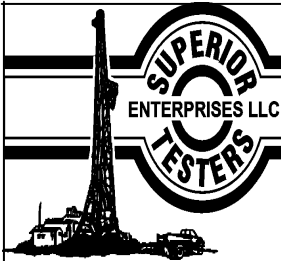
Start Date: 2012.08.31 @ 01:44:00

End Date: 2012.08.31 @ 11:07:30

Job Ticket #: 17263 DST #: 1

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

Printed: 2012.08.31 @ 11:21:12



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

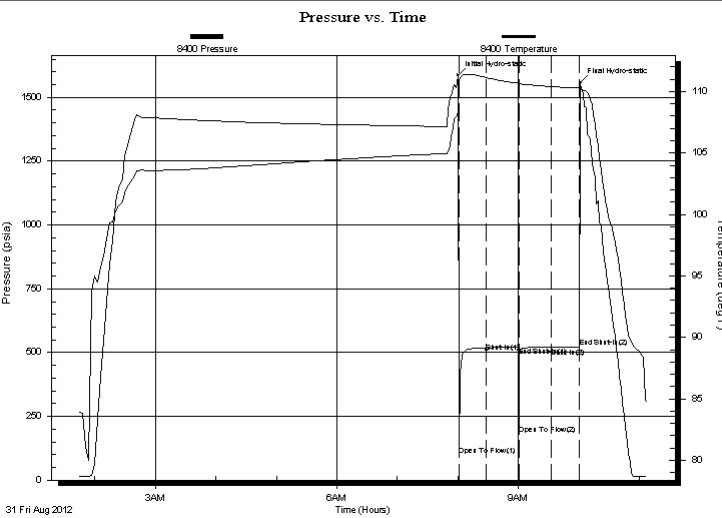
31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17263 **DST#: 1**
 Test Start: 2012.08.31 @ 01:44:00

GENERAL INFORMATION:

Formation: **Lansing A**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 08:01:30 Tester: Dustin Ellis
 Time Test Ended: 11:07:30 Unit No: 3315-Great Bend-35
 Interval: **3164.00 ft (KB) To 3176.00 ft (KB) (TVD)** Reference Elevations: 1912.00 ft (KB)
 Total Depth: 3176.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8400 Inside
 Press @ Run Depth: 520.89 psia @ 3173.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.08.31 End Date: 2012.08.31 Last Calib.: 2012.08.31
 Start Time: 01:44:00 End Time: 11:08:00 Time On Btm: 2012.08.31 @ 08:00:00
 Time Off Btm: 2012.08.31 @ 10:01:30

TEST COMMENT: 1st Open 30 minutes Fair blow stayed steady at 2 inches.
 1st Shut in 30 minutes No blow
 2nd Open 30 minutes Weak surface blow died off after 2 minutes.
 2nd Shut in 30 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1587.11	108.35	Initial Hydro-static
2	95.86	110.85	Open To Flow (1)
28	500.21	111.14	Shut-In(1)
60	520.34	110.68	End Shut-In(1)
61	181.61	110.57	Open To Flow (2)
92	518.50	110.41	Shut-In(2)
121	520.89	110.29	End Shut-In(2)
122	1557.73	110.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
17.00	Very lightly oil spotted mud 100% Mud	0.24

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17263 **DST#: 1**
 Test Start: 2012.08.31 @ 01:44:00

Tool Information

Drill Pipe:	Length: 3162.00 ft	Diameter: 3.80 inches	Volume: 44.35 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:	58000.00 lb
			<u>Total Volume: 44.35 bbl</u>	Tool Chased	4.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	29000.00 lb
Depth to Top Packer:	3164.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	32.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Hydrolic Tool	5.00			3149.00	
Shut-In Tool	5.00			3154.00	
Packer	5.00			3159.00	20.00 Bottom Of Top Packer
Packer	5.00			3164.00	
Anchor	7.00			3171.00	
Recorder	1.00	8405	Outside	3172.00	
Recorder	1.00	8400	Inside	3173.00	
Bull Plug	3.00			3176.00	12.00 Bottom Packers & Anchor

Total Tool Length: 32.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17263 **DST#: 1**
 Test Start: 2012.08.31 @ 01:44:00

Mud and Cushion Information

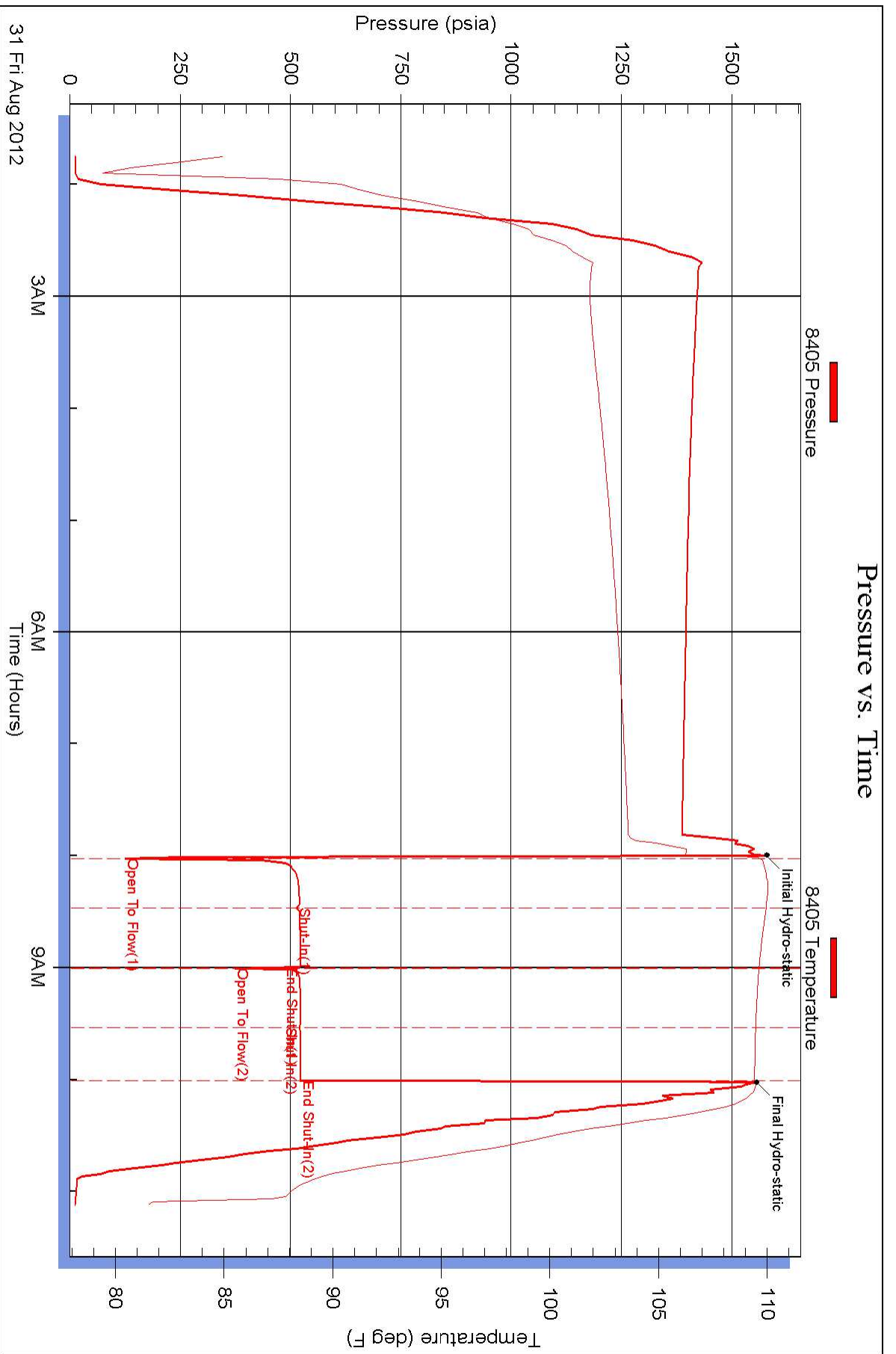
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

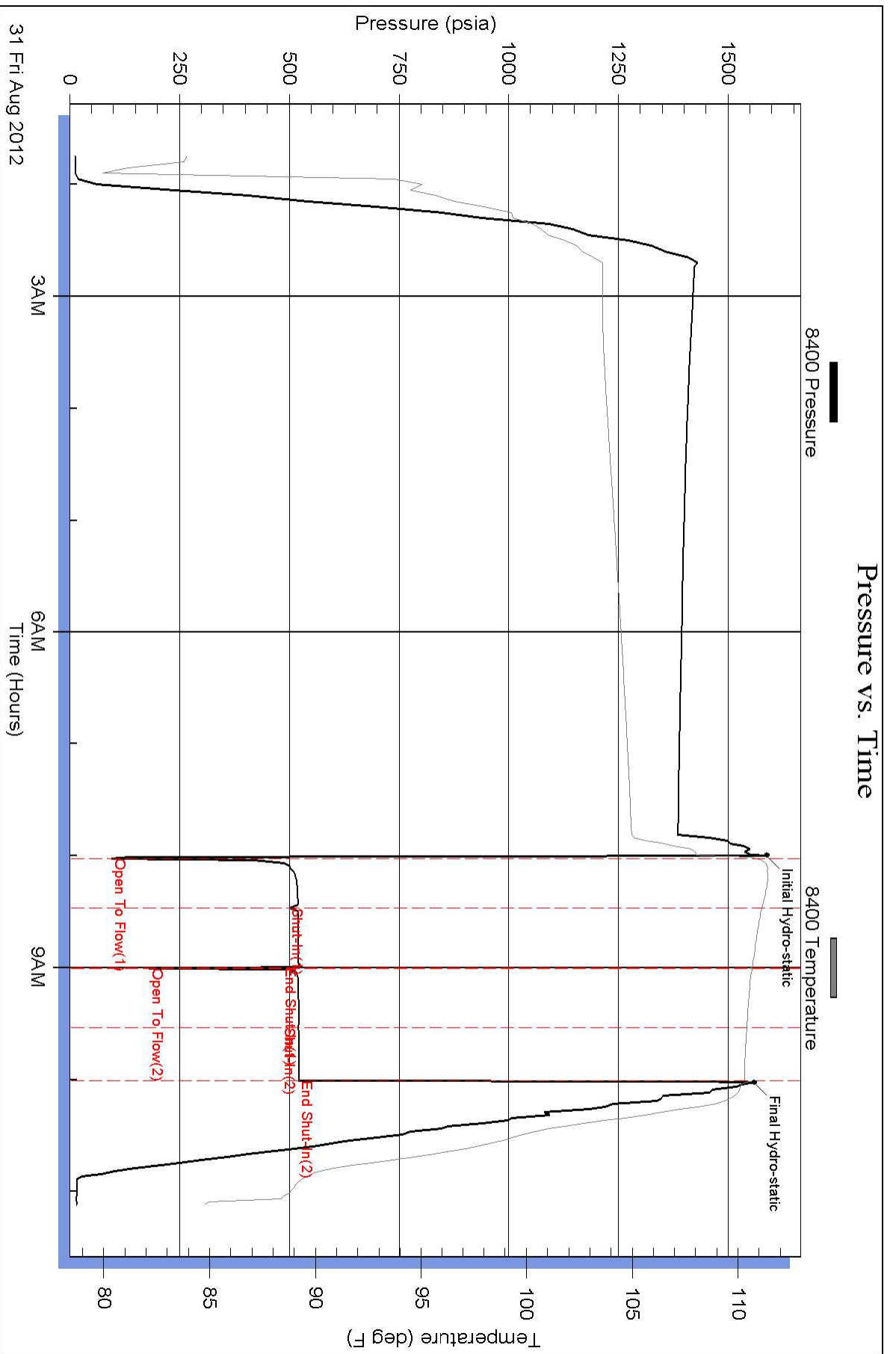
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
17.00	Very lightly oil spotted mud 100% Mud	0.238

Total Length: 17.00 ft Total Volume: 0.238 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt Talbolt

Ervin Schneider

31-17s-14w-Barton

Start Date: 2012.09.01 @ 07:04:00

End Date: 2012.09.01 @ 12:25:30

Job Ticket #: 17264 DST #: 2

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

Printed: 2012.09.01 @ 12:38:59

RJM Company
31-17s-14w-Barton
Ervin Schneider
DST # 2
Arbuckle
2012.09.01



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

31-17s-14w-Barton

Po Box 256 Claflin Kansas
67525

Ervin Schneider

Job Ticket: 17264

DST#: 2

ATTN: Kurt Talbolt

Test Start: 2012.09.01 @ 07:04:00

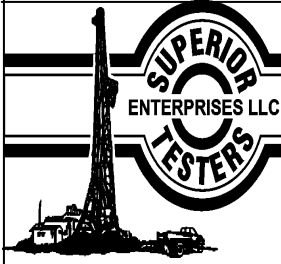
Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.16 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3374.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.77 ft			
Tool Length:	76.77 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			3359.00	
Hydraulic Tool	5.00			3364.00	
Packer	5.00			3369.00	20.00 Bottom Of Top Packer
Packer	5.00			3374.00	
Anchor	10.00			3384.00	
Change Over Sub	0.75			3384.75	
Drill Pipe	31.27			3416.02	
Change Over Sub	0.75			3416.77	
Anchor	9.00			3425.77	
Recorder	1.00	8405	Inside	3426.77	
Recorder	1.00	8400	Outside	3427.77	
Bull Plug	3.00			3430.77	56.77 Bottom Packers & Anchor

Total Tool Length: 76.77



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company
Po Box 256 Claflin Kansas
67525
ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
Job Ticket: 17264 **DST#: 2**
Test Start: 2012.09.01 @ 07:04:00

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

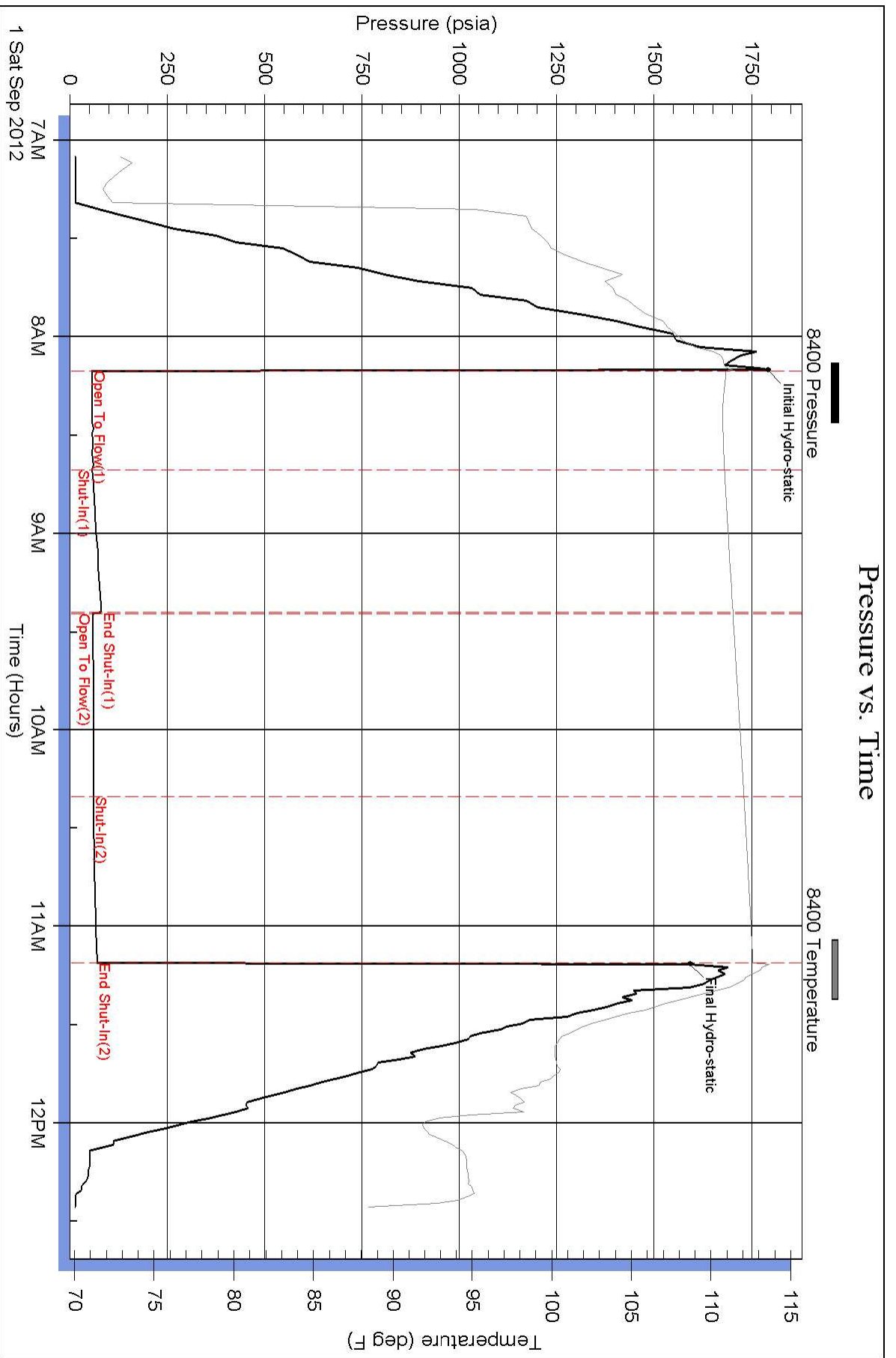
Recovery Information

Recovery Table

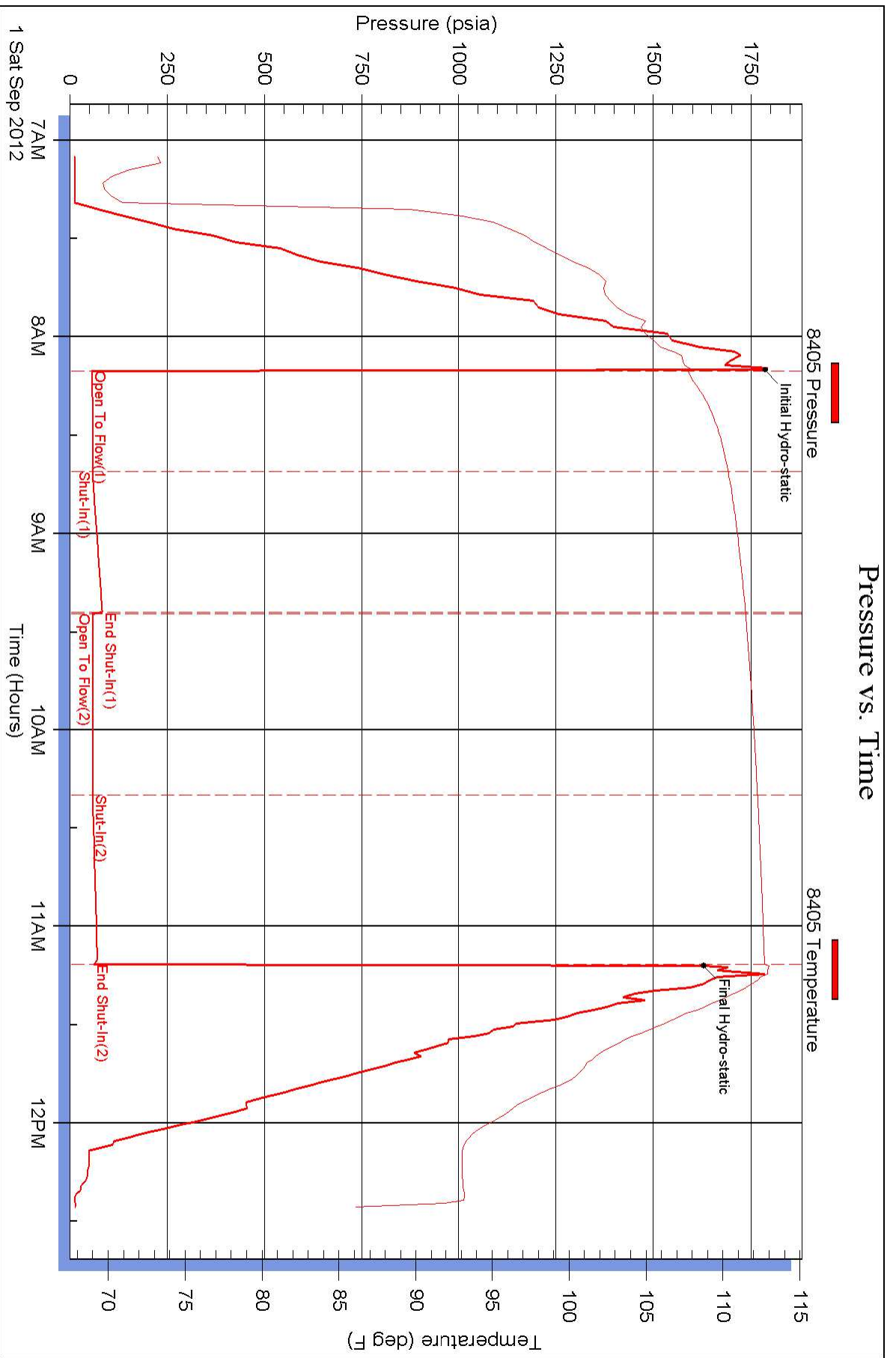
Length ft	Description	Volume bbl
7.00	Mud 100%	0.098

Total Length: 7.00 ft Total Volume: 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: **RJM Company**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt Talbolt

Ervin Schneider

31-17s-14w-Barton

Start Date: 2012.09.01 @ 04:52:00

End Date: 2012.09.01 @ 10:18:00

Job Ticket #: 17265 DST #: 3

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

Printed: 2012.09.01 @ 22:30:35

RJM Company
31-17s-14w-Barton
Ervin Schneider
DST # 3
Arbuckle
2012.09.01



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

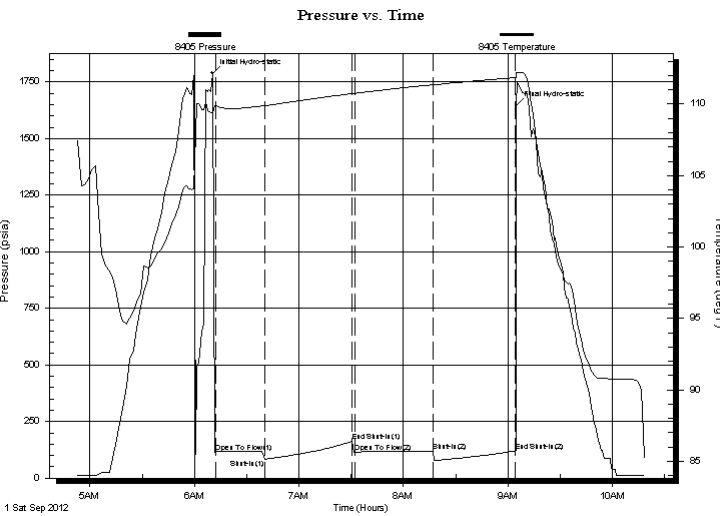
31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17265 **DST#: 3**
 Test Start: 2012.09.01 @ 04:52:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:11:00 Tester: Dustin Ellis
 Time Test Ended: 10:18:00 Unit No: 3315-Great Bend-35
 Interval: **3418.00 ft (KB) To 3430.00 ft (KB) (TVD)** Reference Elevations: 1912.00 ft (KB)
 Total Depth: 3430.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8405 Outside
 Press @ RunDepth: 120.67 psia @ 3426.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.01 End Date: 2012.09.01 Last Calib.: 2012.09.01
 Start Time: 04:52:00 End Time: 10:18:30 Time On Btm: 2012.09.01 @ 06:10:30
 Time Off Btm: 2012.09.01 @ 09:05:00

TEST COMMENT: 1st Open 30 minutes Fair blow stayed at 2 inches into the bucket of w ater.
 1st Shut in 45 minutes No blow back.
 2nd Open 45 minutes No blow dead.
 2nd Shut in 45 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1788.51	109.38	Initial Hydro-static
2	116.34	109.89	Open To Flow (1)
30	84.04	109.88	Shut-In(1)
80	161.70	110.73	End Shut-In(1)
82	113.96	110.74	Open To Flow (2)
127	118.70	111.35	Shut-In(2)
174	120.67	111.85	End Shut-In(2)
175	1646.63	112.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
160.00	Mud 100%	2.24

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17265 **DST#: 3**
 Test Start: 2012.09.01 @ 04:52:00

Tool Information

Drill Pipe:	Length: 3417.00 ft	Diameter: 3.80 inches	Volume: 47.93 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: 47.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3418.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	32.00 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			3403.00	
Hydraulic Tool	5.00			3408.00	
Packer	5.00			3413.00	20.00 Bottom Of Top Packer
Packer	5.00			3418.00	
Anchor	7.00			3425.00	
Recorder	1.00	8405	Outside	3426.00	
Recorder	1.00	8400	Inside	3427.00	
Bull Plug	3.00			3430.00	12.00 Bottom Packers & Anchor

Total Tool Length: 32.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company

31-17s-14w-Barton

Po Box 256 Claflin Kansas
67525

Ervin Schneider

Job Ticket: 17265

DST#: 3

ATTN: Kurt Talbolt

Test Start: 2012.09.01 @ 04:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
160.00	Mud 100%	2.244

Total Length: 160.00 ft Total Volume: 2.244 bbl

Num Fluid Samples: 0

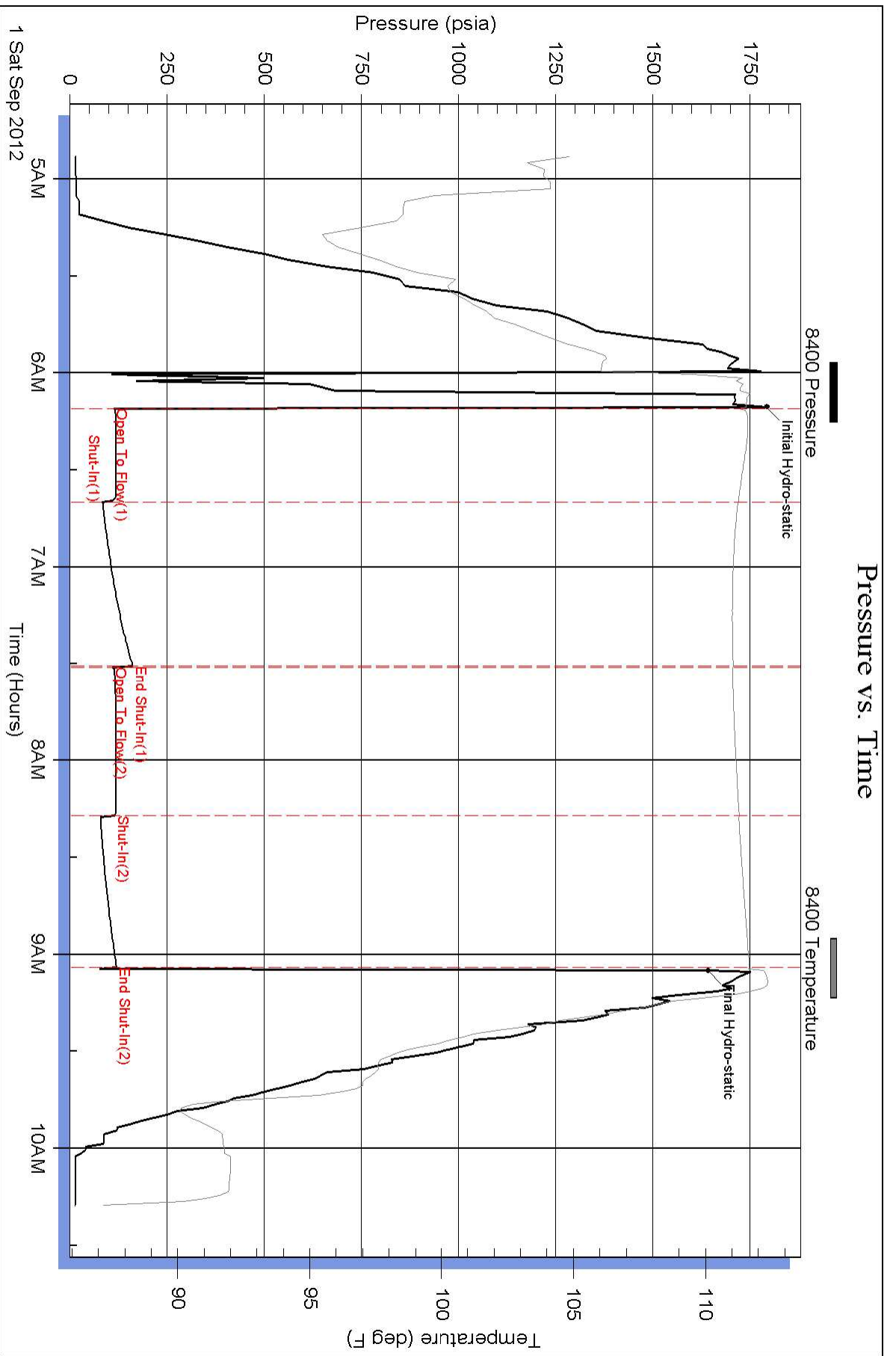
Num Gas Bombs: 0

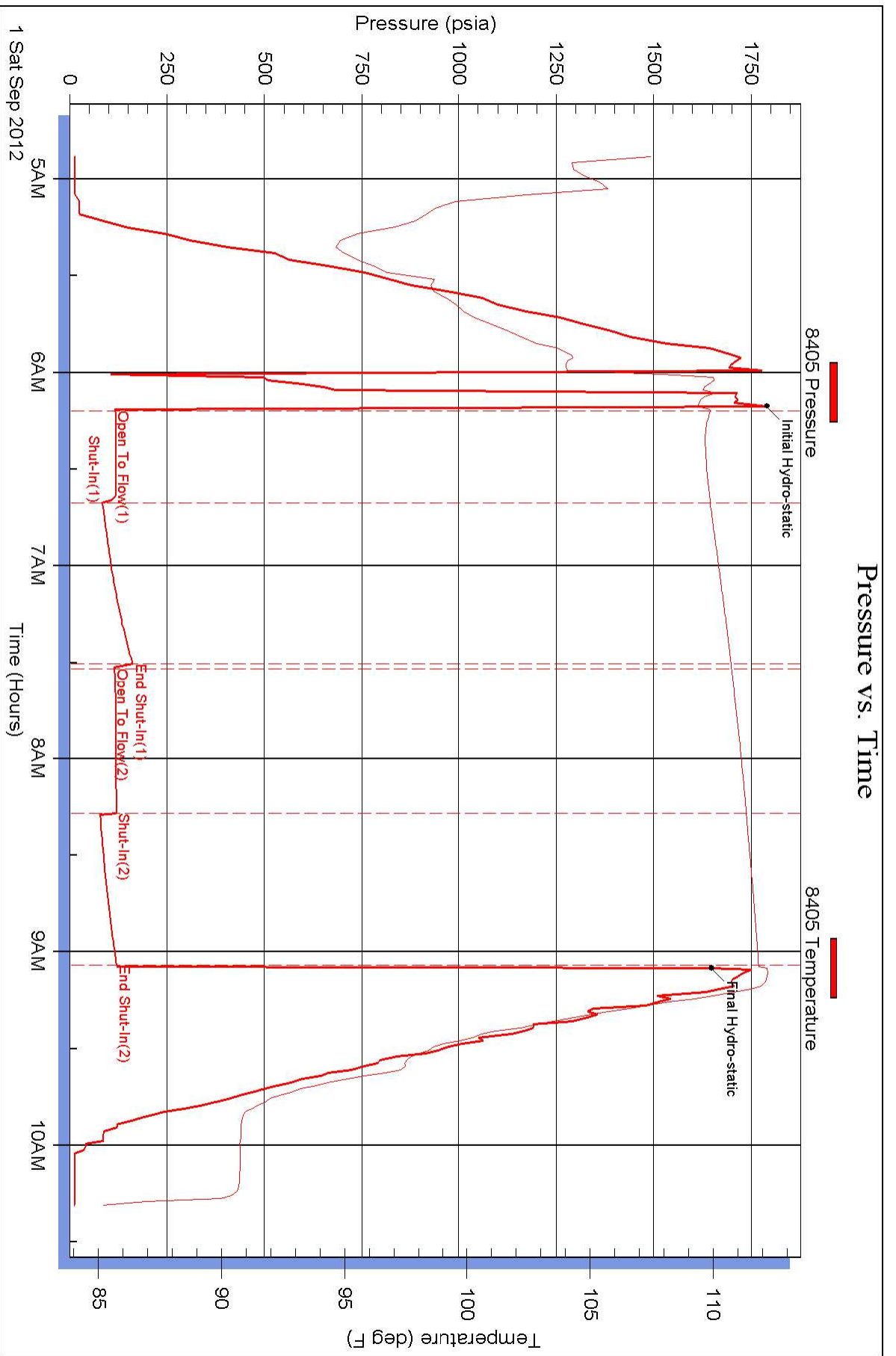
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt Talbolt

Ervin Schneider

31-17s-14w-Barton

Start Date: 2012.09.02 @ 03:50:00

End Date: 2012.09.02 @ 09:29:30

Job Ticket #: 17266 DST #: 4

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

Printed: 2012.09.02 @ 09:53:34

RJM Company
31-17s-14w-Barton
Ervin Schneider
DST # 4
Arbuckle
2012.09.02



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17266 **DST#: 4**
 Test Start: 2012.09.02 @ 03:50:00

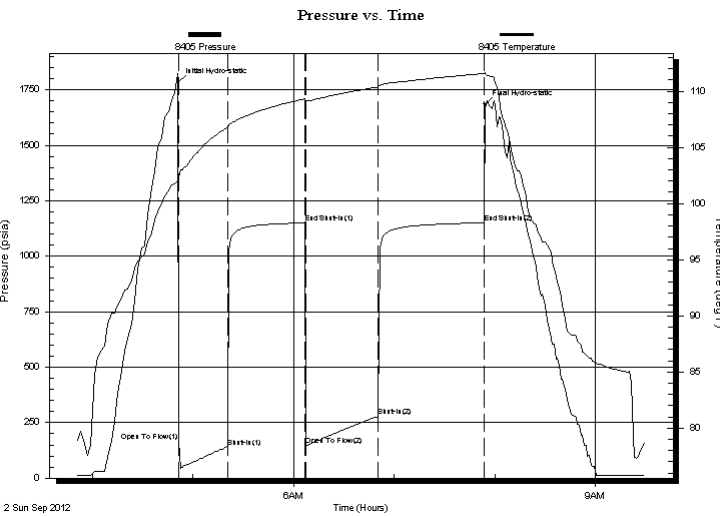
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:51:30 Tester: Dustin Ellis
 Time Test Ended: 09:29:30 Unit No: 3315-Great Bend-35
 Interval: **3423.00 ft (KB) To 3450.00 ft (KB) (TVD)** Reference Elevations: 1912.00 ft (KB)
 Total Depth: 3450.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8405

Press @ Run Depth: 279.27 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.02 End Date: 2012.09.02 Last Calib.: 2012.09.02
 Start Time: 03:50:00 End Time: 09:29:30 Time On Btm: 2012.09.02 @ 04:51:00
 Time Off Btm: 2012.09.02 @ 07:54:00

TEST COMMENT: 1st Open 30 minutes Fair building blow blew bottom bucket 13 minutes.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew bottom bucket 16 minutes.
 2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

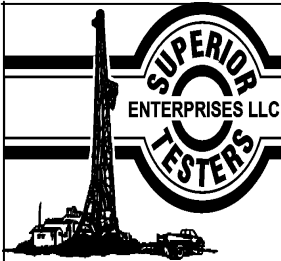
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1782.48	102.95	Initial Hydro-static
1	165.37	102.32	Open To Flow (1)
30	141.39	106.78	Shut-In(1)
76	1150.61	109.31	End Shut-In(1)
76	146.51	108.93	Open To Flow (2)
120	279.27	110.36	Shut-In(2)
183	1150.65	111.56	End Shut-In(2)
183	1684.32	111.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	Muddy water 20%Mud 80%Water	6.96
0.00	Chlorides 46000@52 Degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
 Job Ticket: 17266 **DST#: 4**
 Test Start: 2012.09.02 @ 03:50:00

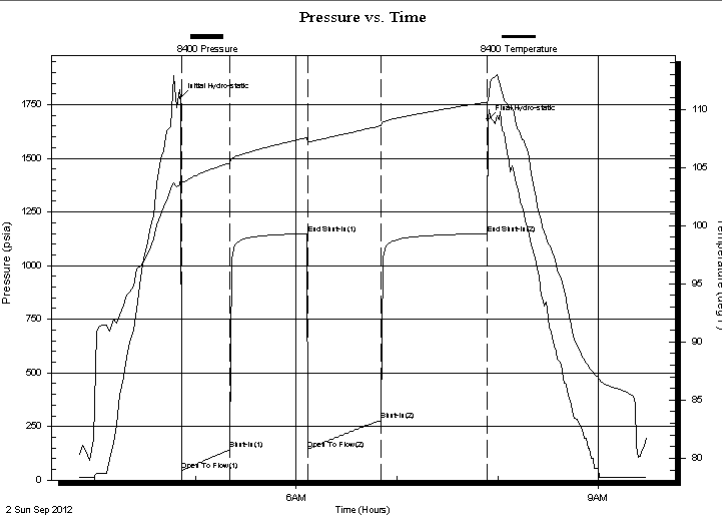
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:51:30 Tester: Dustin Ellis
 Time Test Ended: 09:29:30 Unit No: 3315-Great Bend-35
 Interval: **3423.00 ft (KB) To 3450.00 ft (KB) (TVD)** Reference Elevations: 1912.00 ft (KB)
 Total Depth: 3450.00 ft (KB) (TVD) 1907.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8400

Press @ Run Depth: 1149.62 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.02 End Date: 2012.09.02 Last Calib.: 2012.09.02
 Start Time: 03:50:00 End Time: 09:29:00 Time On Btm: 2012.09.02 @ 04:51:00
 Time Off Btm: 2012.09.02 @ 07:54:00

TEST COMMENT: 1st Open 30 minutes Fair building blow blew bottom bucket 13 minutes.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew bottom bucket 16 minutes.
 2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1782.08	104.09	Initial Hydro-static
1	44.01	103.72	Open To Flow (1)
30	141.72	105.40	Shut-In(1)
76	1149.34	107.57	End Shut-In(1)
76	146.23	107.09	Open To Flow (2)
120	279.68	108.59	Shut-In(2)
183	1149.62	110.61	End Shut-In(2)
183	1682.09	110.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	Muddy water 20%Mud 80%Water	6.96
0.00	Chlorides 46000@52 Degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

31-17s-14w-Barton

Po Box 256 Claflin Kansas
67525

Ervin Schneider

Job Ticket: 17266

DST#: 4

ATTN: Kurt Talbolt

Test Start: 2012.09.02 @ 03:50:00

Tool Information

Drill Pipe:	Length: 3418.00 ft	Diameter: 3.80 inches	Volume: 47.95 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: 56000.00 lb
			<u>Total Volume: 47.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3423.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 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			3408.00	
Hydraulic Tool	5.00			3413.00	
Packer	5.00			3418.00	20.00 Bottom Of Top Packer
Packer	5.00			3423.00	
Anchor	22.00			3445.00	
Recorder	1.00	8405	Outside	3446.00	
Recorder	1.00	8400	Inside	3447.00	
Bull Plug	3.00			3450.00	27.00 Bottom Packers & Anchor

Total Tool Length: 47.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RJM Company
Po Box 256 Claflin Kansas
67525
ATTN: Kurt Talbolt

31-17s-14w-Barton
Ervin Schneider
Job Ticket: 17266 **DST#: 4**
Test Start: 2012.09.02 @ 03:50:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	10.40 in ³	Gas Cushion Type:			
Resistivity:	0.20 ohm.m	Gas Cushion Pressure:	psia		
Salinity:	5000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

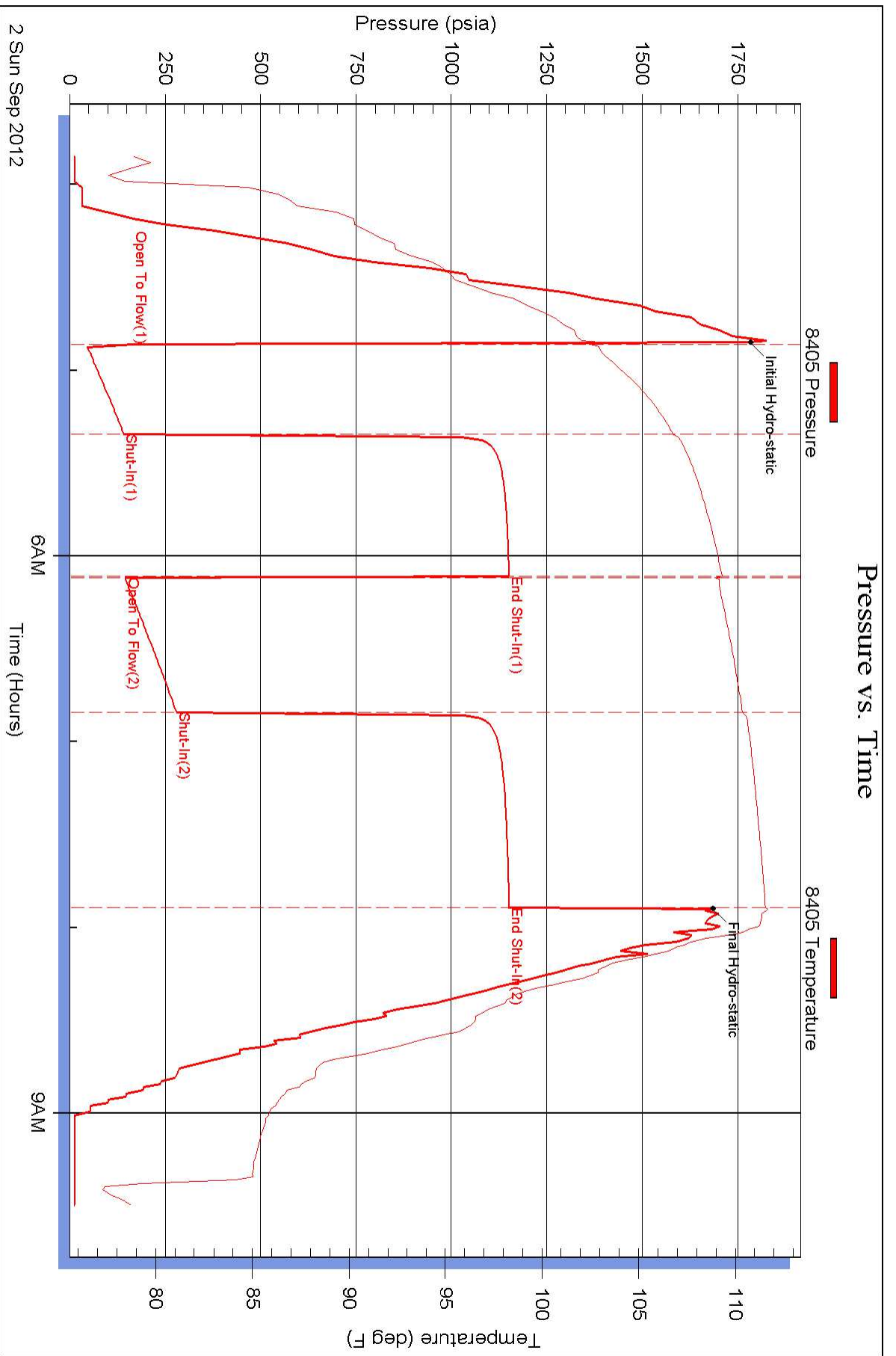
Length ft	Description	Volume bbbl
496.00	Muddy water 20%Mud 80%Water	6.958
0.00	Chlorides 46000@52 Degrees	0.000

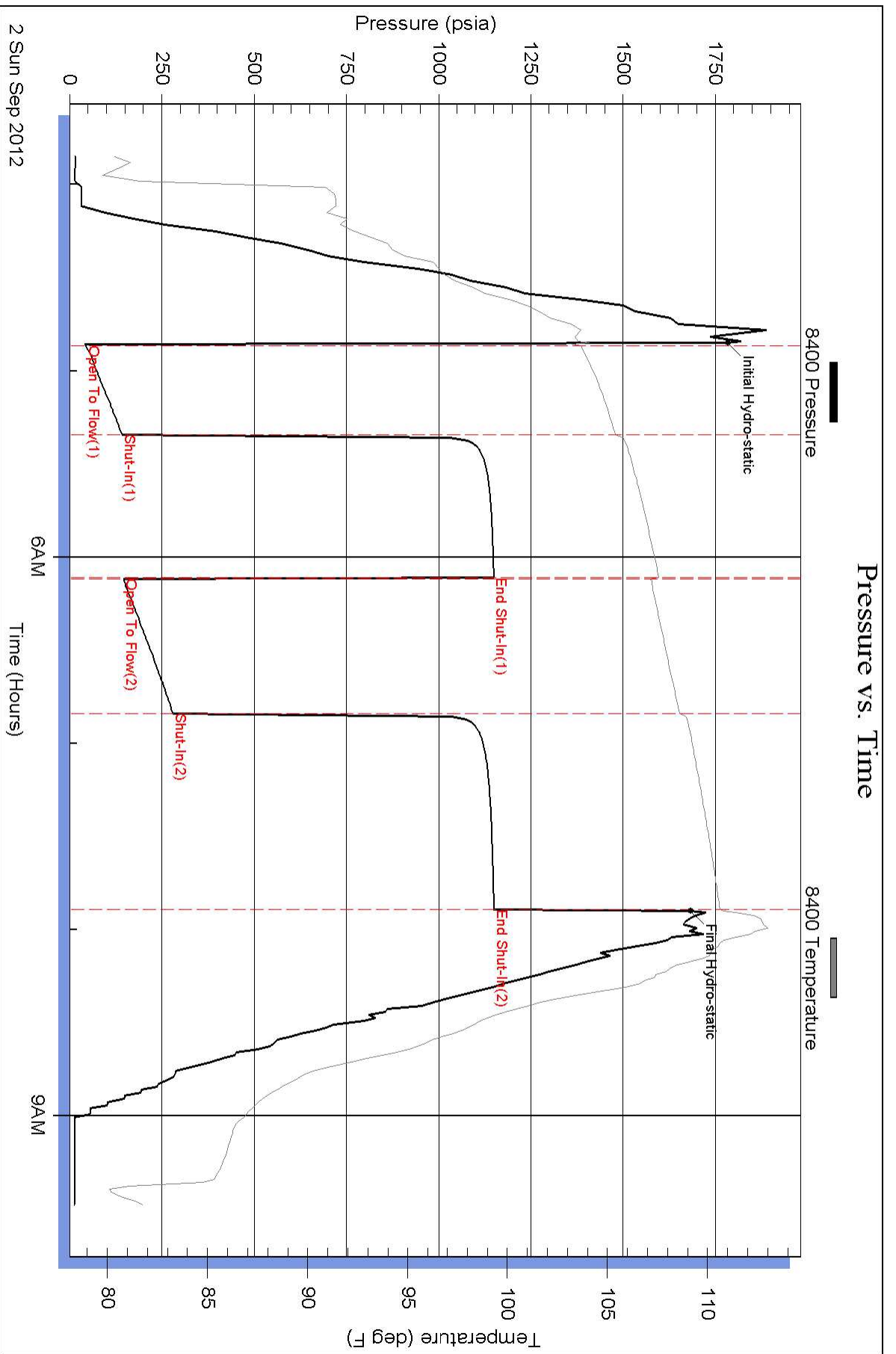
Total Length: 496.00 ft Total Volume: 6.958 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





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 19, 2012

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

Re: ACO1
API 15-009-25743-00-00
Ervin Schneider 1
SE/4 Sec.31-17S-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 Hoffman