



KANSAS CORPORATION COMMISSION 1088797
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1088797

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

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

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

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

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

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

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
---	--	--

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 912

Cell 785-324-1041

Date	7-13-12	Sec.	10	Twp.	18	Range	15	County	Barton	State	Ks	On Location		Finish	3:15 PM
Lease	Alexis	Well No.	1		Location Olmitz, Ks - 15, 1 1/2 W, 5/1 Into										
Contractor	Royal	#2	Owner												
Type Job	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	12 1/4"	T.D.	989'												
Csg.	8 5/8"	Depth	989'												
Tbg. Size		Depth	Charge To <u>Lab LB Exploration</u>												
Tool		Depth	Street												
Cement Left in Csg.	28'	Shoe Joint	28'												
Meas Line		Displace	61 BLS												
												Cement Amount Ordered	375 Sx Common 3% CC		

EQUIPMENT

Pumptrk.	05	No.	Cement		2% Gel
			Helper	Brett	Common
Bulktrk	13	No.	Driver	Doug	Poz. Mix
			Driver	Rick	Gel.
Bulktrk	p.w.	No.	Driver		Calcium
			Driver		Hulls

JOB SERVICES & REMARKS

Remarks	Cement did Circulate.	
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
		1- Baffle plate
		1- Rubber plug
		Pumptrk Charge
		Mileage

		Tax
		Discount
X Signature	Doug Buehler	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 917

Cell 785-324-1041

Date	7-20-12	Sec.	10	Twp.	18	Range	15	County	Barton	State	Ks	On Location		Finish	8:30 AM
Lease	Alexis		Well No.		1		Location Olmitz, Ks - 15, 1 1/2 W, 5 N								
Contractor	Royal Rig #1				Owner										
Type Job	Plug				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	7 7/8"		T.D.		3600'										
Csg.					Depth		Charge To LB Exploration								
Tbg. Size	4 1/2" D.P.		Depth		3390'										
Tool					Depth		Street								
Cement Left in Csg.					Shoe Joint		City State								
Meas Line					Displace		H2O/mud								
							Cement Amount Ordered 210 5x 60/40 4% Gel 1/4 # F.S.								

EQUIPMENT

Pumptrk	16	No.	Cementer	Travis	Common
			Helper		
Bulktrk		No.	Driver	Leo	Poz. Mix
			Driver		
Bulktrk		No.	Driver	Rock	Gel.
			Driver		

JOB SERVICES & REMARKS

Remarks	Cement did Circulate.	Calcium
Rat Hole		Hulls
Mouse Hole		Salt
Centralizers		Flowseal
Baskets		Kol-Seal
D/V or Port Collar		Mud CLR 48
25 5x @ 3390'		CFL-117 or CD110 CAF 38
		Sand
		Handling
50 5x @ 1040'		Mileage
80 5x @ 350'		
10 5x @ 40' w/ plug		
30 5x - Rathole		
15 5x - mousehole		

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 - Dry hole plug

	Pumptrk Charge	Tax
	Mileage	Discount
		Total Charge
X Signature	Roy Rudy	



DRILL STEM TEST REPORT

Prepared For: **LB Exploration Inc**

2135 2nd RD Holyrood KS 67450

ATTN:

Alexis #1

10-18-15 barton

Start Date: 2012.07.16 @ 14:18:00

End Date: 2012.07.16 @ 18:30:30

Job Ticket #: 17365 DST #: 1

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

Printed: 2012.07.16 @ 18:40:23



DRILL STEM TEST REPORT

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN:

10-18-15 barton
Alexis #1
 Job Ticket: 17365 **DST#: 1**
 Test Start: 2012.07.16 @ 14:18:00

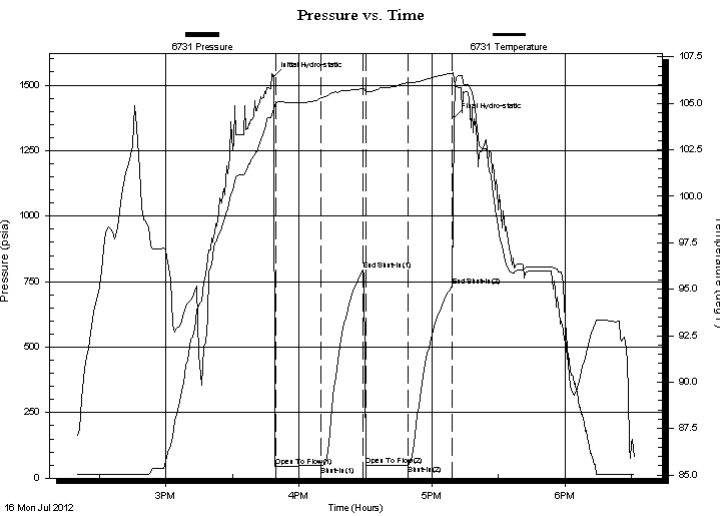
GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:48:30
 Time Test Ended: 18:30:30
Interval: 3096.00 ft (KB) To 3140.00 ft (KB) (TVD)
 Total Depth: 3140.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Sccheck
 Unit No: 3320-Great Bend-
 Reference Elevations: 1958.00 ft (KB)
 1951.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6731

Press @ Run Depth: 48.29 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.16 End Date: 2012.07.16 Last Calib.: 2012.07.16
 Start Time: 14:18:58 End Time: 18:31:28 Time On Btm: 2012.07.16 @ 15:48:28
 Time Off Btm: 2012.07.16 @ 17:09:58

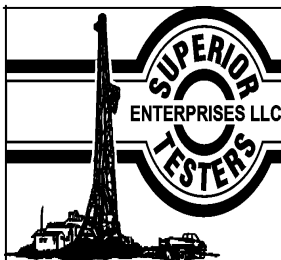
TEST COMMENT: 1st Opening 20 Minutes-Wea blow built 1 into w ater in 20 minutes
 1st Shut-in 20 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surge did not build
 2nd Shut-in 20 Minutes-No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1534.47	104.73	Initial Hydro-static
1	45.60	105.01	Open To Flow (1)
22	47.07	105.29	Shut-In(1)
41	795.99	105.79	End Shut-In(1)
42	47.52	105.63	Open To Flow (2)
61	48.29	106.11	Shut-In(2)
81	731.87	106.62	End Shut-In(2)
82	1377.00	106.34	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

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



DRILL STEM TEST REPORT

LB Exploration Inc
2135 2nd RD Holyrood KS 67450

10-18-15 barton

Alexis #1

Job Ticket: 17365 **DST#: 1**

ATTN:

Test Start: 2012.07.16 @ 14:18:00

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 15:48:30 Tester: Jared Sccheck

Time Test Ended: 18:30:30 Unit No: 3320-Great Bend-

Interval: 3096.00 ft (KB) To 3140.00 ft (KB) (TVD) Reference Elevations: 1958.00 ft (KB)

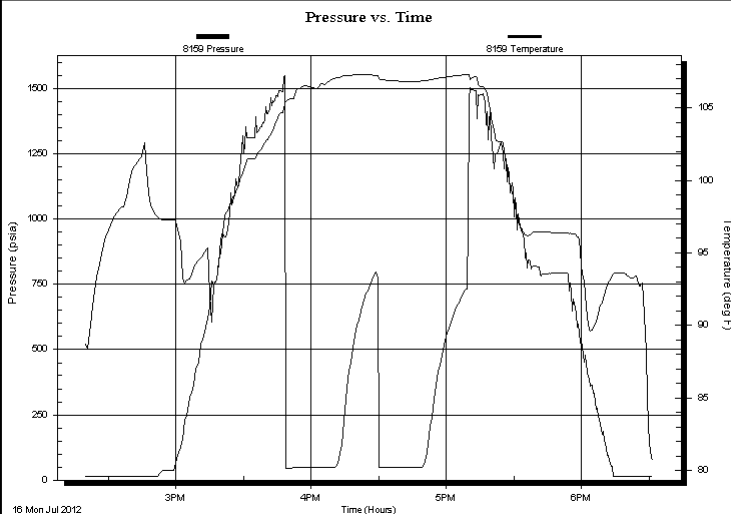
Total Depth: 3140.00 ft (KB) (TVD) 1951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8159

Press @ Run Depth:	psia @	ft (KB)	Capacity:	5000.00 psia
Start Date:	2012.07.16	End Date:	2012.07.16	Last Calib.: 2012.07.16
Start Time:	14:18:58	End Time:	18:31:28	Time On Btm:
			Time Off Btm:	

TEST COMMENT: 1st Opening 20 Minutes-Wea blow built 1 into w ater in 20 minutes
1st Shut-in 20 Minutes-No blow back
2nd Opening 20 Minutes-Very w eak surge did not build
2nd Shut-in 20 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN:

10-18-15 barton
Alexis #1
 Job Ticket: 17365 **DST#: 1**
 Test Start: 2012.07.16 @ 14:18:00

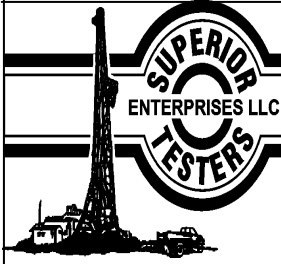
Tool Information

Drill Pipe:	Length: 3082.00 ft	Diameter: 3.80 inches	Volume: 43.23 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: 43.23 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3096.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	5.04 ft				
Tool Length:	25.04 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3081.00	
Hydraulic Tool	5.00			3086.00	
Packer	5.00			3091.00	20.00 Bottom Of Top Packer
Packer	5.00			3096.00	
Anchor	0.04			3096.04	
Recorder	1.00	6731	Inside	3097.04	
Recorder	1.00	8159	Outside	3098.04	
Bullnose	3.00			3101.04	5.04 Bottom Packers & Anchor

Total Tool Length: 25.04



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration Inc
2135 2nd RD Holyrood KS 67450
ATTN:

10-18-15 barton
Alexis #1
Job Ticket: 17365 **DST#: 1**
Test Start: 2012.07.16 @ 14:18:00

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 12000.00 ppm			
Filter Cake: 1.00 inches			

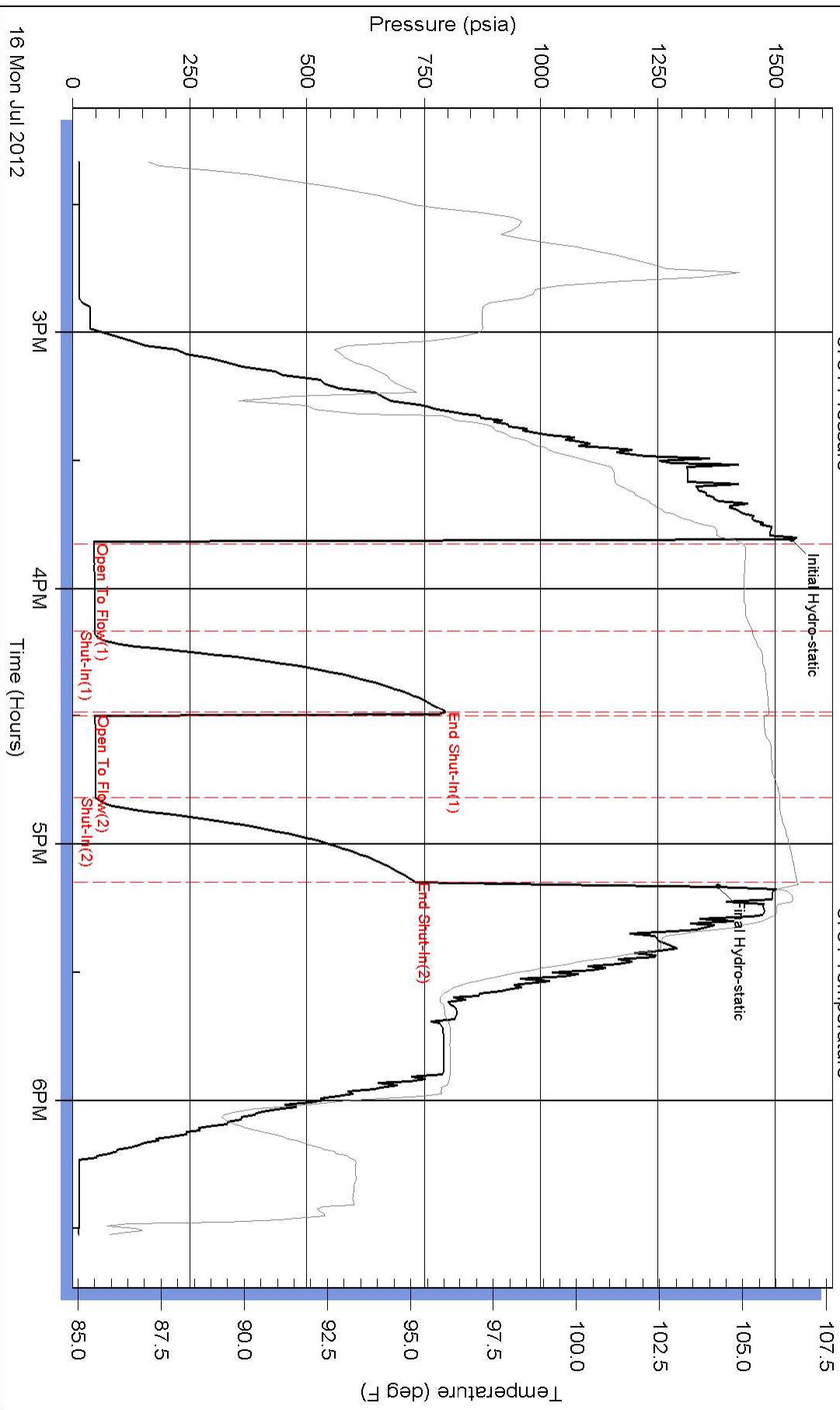
Recovery Information

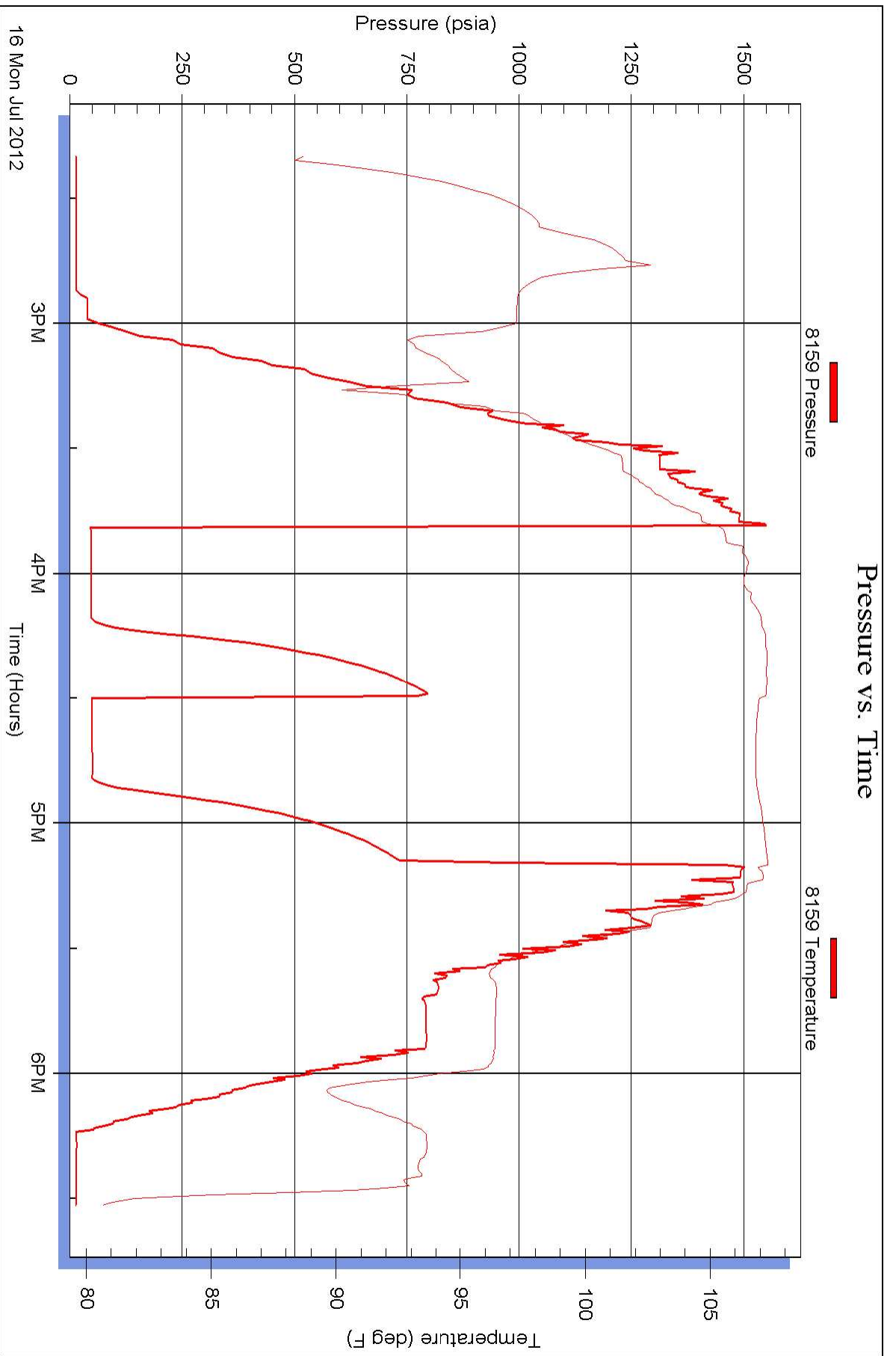
Recovery Table

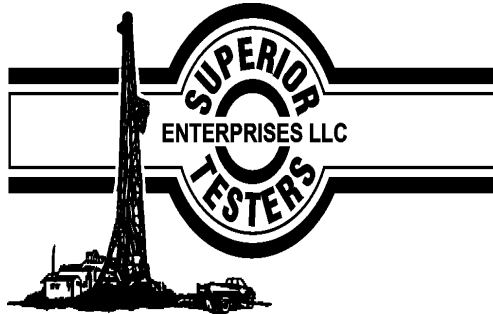
Length ft	Description	Volume bbl
10.00	mud	0.140

Total Length: 10.00 ft Total Volume: 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: **LB Exploration Inc**

2135 2nd RD Holyrod KS 67450

ATTN:

Alexis #1

10-18-15 barton

Start Date: 2012.07.17 @ 16:00:00

End Date: 2012.07.17 @ 19:45:30

Job Ticket #: 17366 DST #: 2

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

Printed: 2012.07.17 @ 19:58:09



DRILL STEM TEST REPORT

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN:

10-18-15 barton
Alexis #1
 Job Ticket: 17366 **DST#: 2**
 Test Start: 2012.07.17 @ 16:00:00

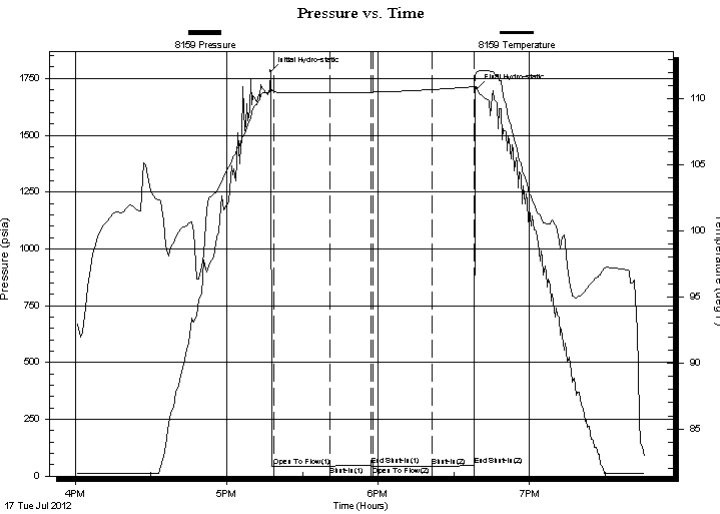
GENERAL INFORMATION:

Formation: **Lansing H1**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 17:18:00 Tester: Jared Scheck
 Time Test Ended: 19:45:30 Unit No: 3320-Great Bend-
 Interval: **3398.00 ft (KB) To 3432.00 ft (KB) (TVD)** Reference Elevations: 1958.00 ft (KB)
 Total Depth: 3432.00 ft (KB) (TVD) 1951.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8159

Press @ RunDepth: 45.98 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.17 End Date: 2012.07.17 Last Calib.: 2012.07.17
 Start Time: 16:00:00 End Time: 19:45:30 Time On Btm: 2012.07.17 @ 17:17:30
 Time Off Btm: 2012.07.17 @ 18:39:00

TEST COMMENT: 1st Opening 20 Minutes-Very weak surface blow did not build
 1st Shut-in 20 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surge did not build
 2nd Shut-in 20 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1781.68	110.88	Initial Hydro-static
1	41.86	110.55	Open To Flow (1)
24	44.48	110.45	Shut-In(1)
40	49.28	110.50	End Shut-In(1)
41	43.58	110.51	Open To Flow (2)
64	43.94	110.71	Shut-In(2)
81	45.98	110.92	End Shut-In(2)
82	1706.79	112.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN:

10-18-15 barton
Alexis #1
 Job Ticket: 17366 **DST#: 2**
 Test Start: 2012.07.17 @ 16:00:00

Tool Information

Drill Pipe:	Length: 3390.00 ft	Diameter: 3.80 inches	Volume: 47.55 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	46000.00 lb
			<u>Total Volume: 47.55 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3398.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3383.00	
Hydraulic Tool	5.00			3388.00	
Packer	5.00			3393.00	20.00 Bottom Of Top Packer
Packer	5.00			3398.00	
Anchor	29.00			3427.00	
Recorder	1.00	6731	Inside	3428.00	
Recorder	1.00	8159	Outside	3429.00	
Bullnose	3.00			3432.00	34.00 Bottom Packers & Anchor

Total Tool Length: 54.00



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration Inc
2135 2nd RD Holyrood KS 67450
ATTN:

10-18-15 barton
Alexis #1
Job Ticket: 17366 **DST#: 2**
Test Start: 2012.07.17 @ 16:00:00

Mud and Cushion Information

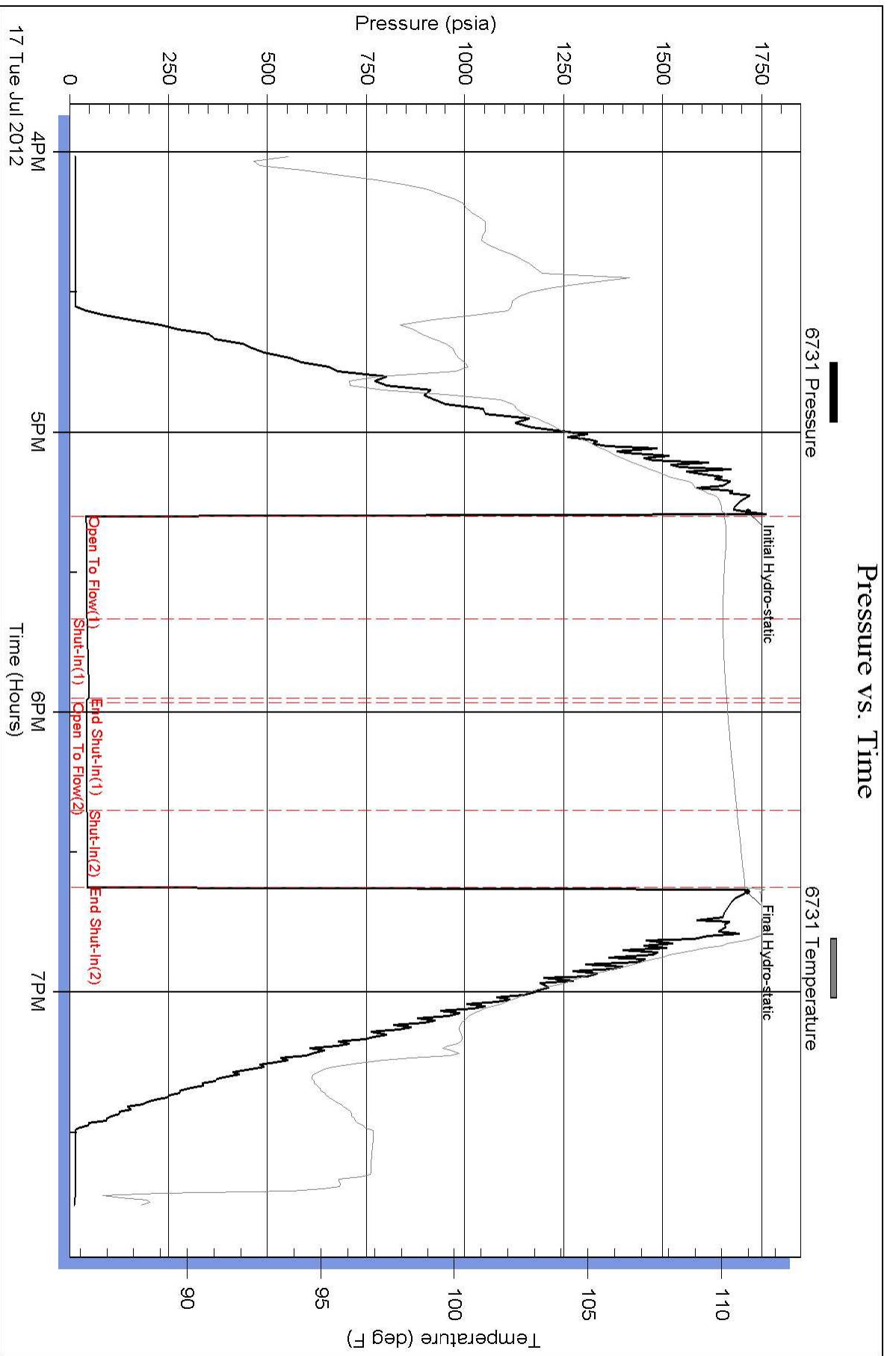
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 18.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 18000.00 ppm			
Filter Cake: 1.00 inches			

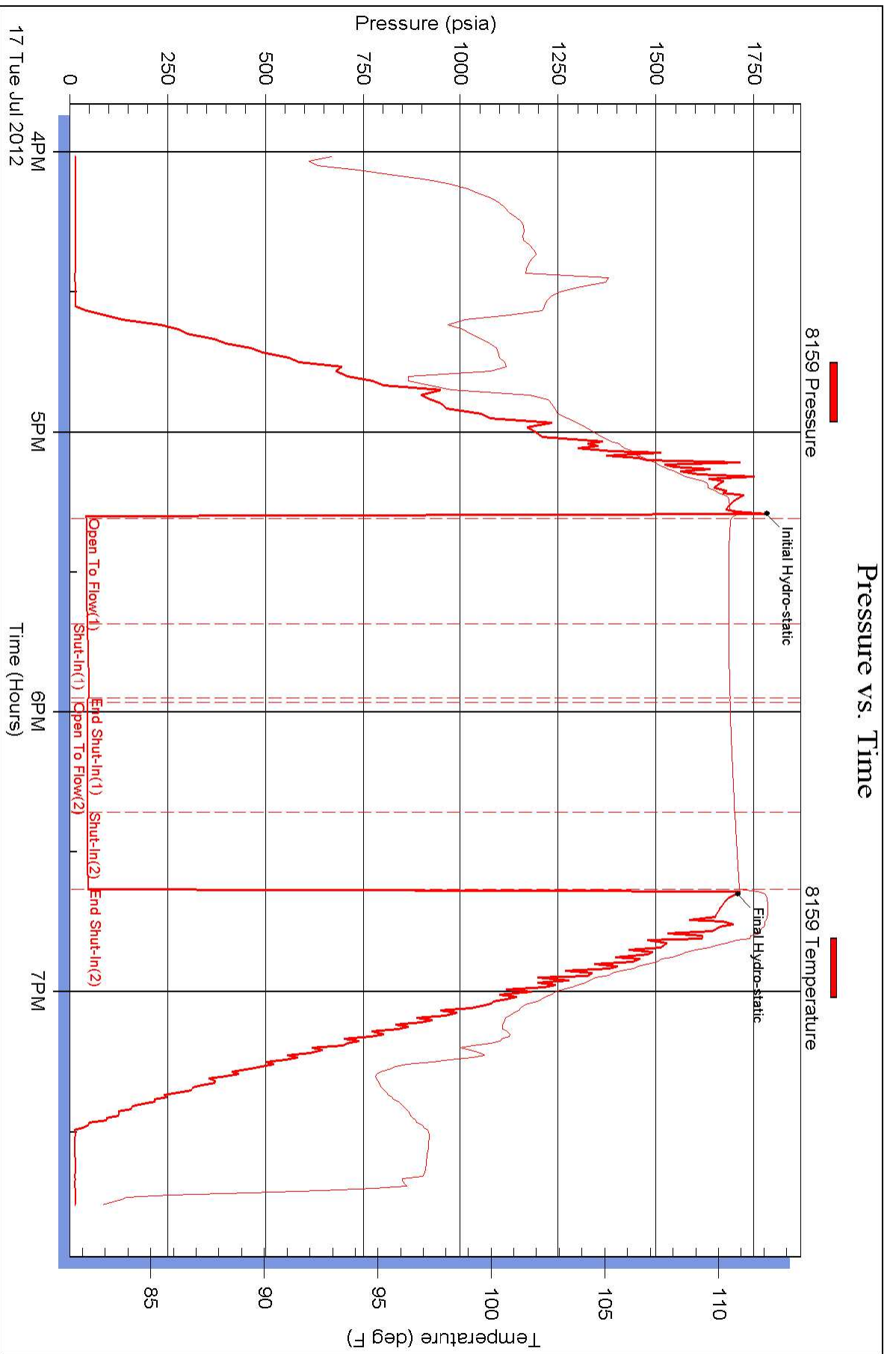
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.140

Total Length: 10.00 ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration Inc**

2135 2nd RD Holyrood KS 67450

ATTN:

Alexis #1

10-18-15 barton

Start Date: 2012.07.18 @ 10:07:00

End Date: 2012.07.18 @ 13:31:00

Job Ticket #: 17367 DST #: 3

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

Printed: 2012.07.18 @ 13:49:25



DRILL STEM TEST REPORT

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN:

10-18-15 barton
Alexis #1
 Job Ticket: 17367 **DST#: 3**
 Test Start: 2012.07.18 @ 10:07:00

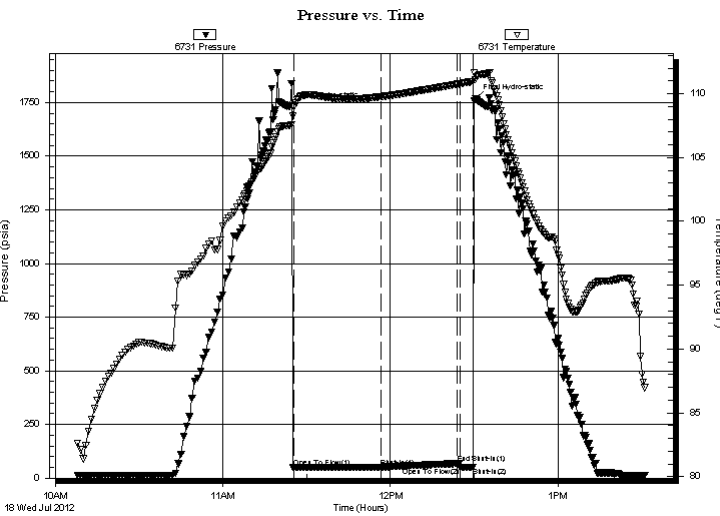
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:25:30
 Time Test Ended: 13:31:00
Interval: 3485.00 ft (KB) To 3528.00 ft (KB) (TVD)
 Total Depth: 3528.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GreatBend-
 Reference Elevations: 1958.00 ft (KB)
 1951.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6731

Press @ RunDepth: 50.92 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.18 End Date: 2012.07.18 Last Calib.: 2012.07.18
 Start Time: 10:07:00 End Time: 13:31:00 Time On Btm: 2012.07.18 @ 11:24:00
 Time Off Btm: 2012.07.18 @ 12:30:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 inch into water died off after 16 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 5 Minutes-Very weak surge died off pulled tool
 2nd Shut-in Pulled tool



PRESSURE SUMMARY

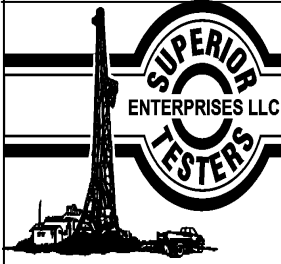
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1729.63	107.51	Initial Hydro-static
2	49.96	108.98	Open To Flow (1)
33	50.92	109.76	Shut-In(1)
60	68.23	110.75	End Shut-In(1)
61	50.78	110.78	Open To Flow (2)
66	50.85	110.96	Shut-In(2)
67	1768.64	111.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN:

10-18-15 barton
Alexis #1
 Job Ticket: 17367 **DST#: 3**
 Test Start: 2012.07.18 @ 10:07:00

Tool Information

Drill Pipe:	Length: 3487.00 ft	Diameter: 3.80 inches	Volume: 48.91 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 48.91 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3485.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3470.00	
Hydraulic Tool	5.00			3475.00	
Packer	5.00			3480.00	20.00 Bottom Of Top Packer
Packer	5.00			3485.00	
Anchor	38.00			3523.00	
Recorder	1.00	6731	Inside	3524.00	
Recorder	1.00	8159	Outside	3525.00	
Bullnose	3.00			3528.00	43.00 Bottom Packers & Anchor

Total Tool Length: 63.00



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN:

10-18-15 barton
Alexis #1
 Job Ticket: 17367 **DST#: 3**
 Test Start: 2012.07.18 @ 10:07:00

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: 11.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 9000.00 ppm			
Filter Cake: 1.00 inches			

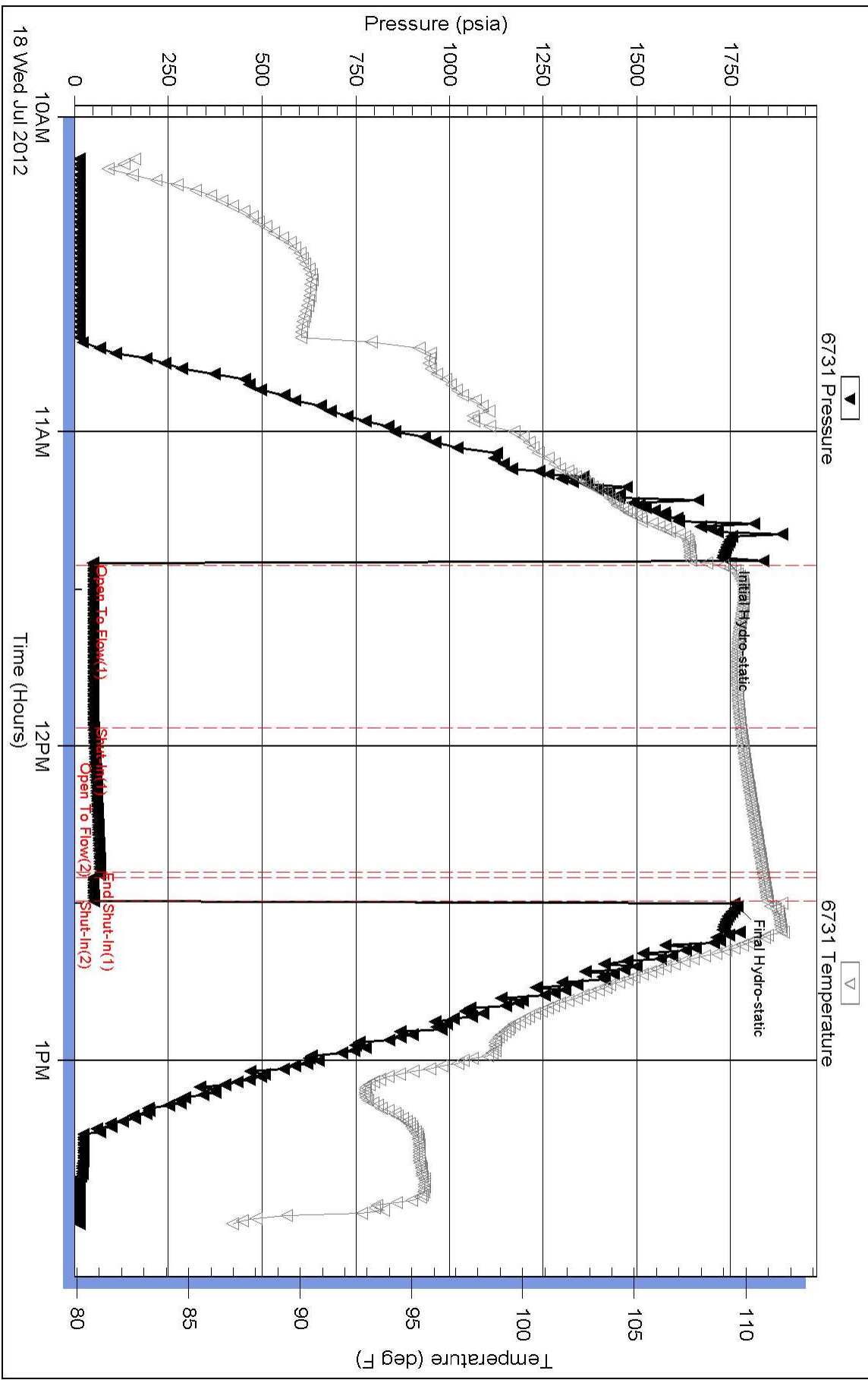
Recovery Information

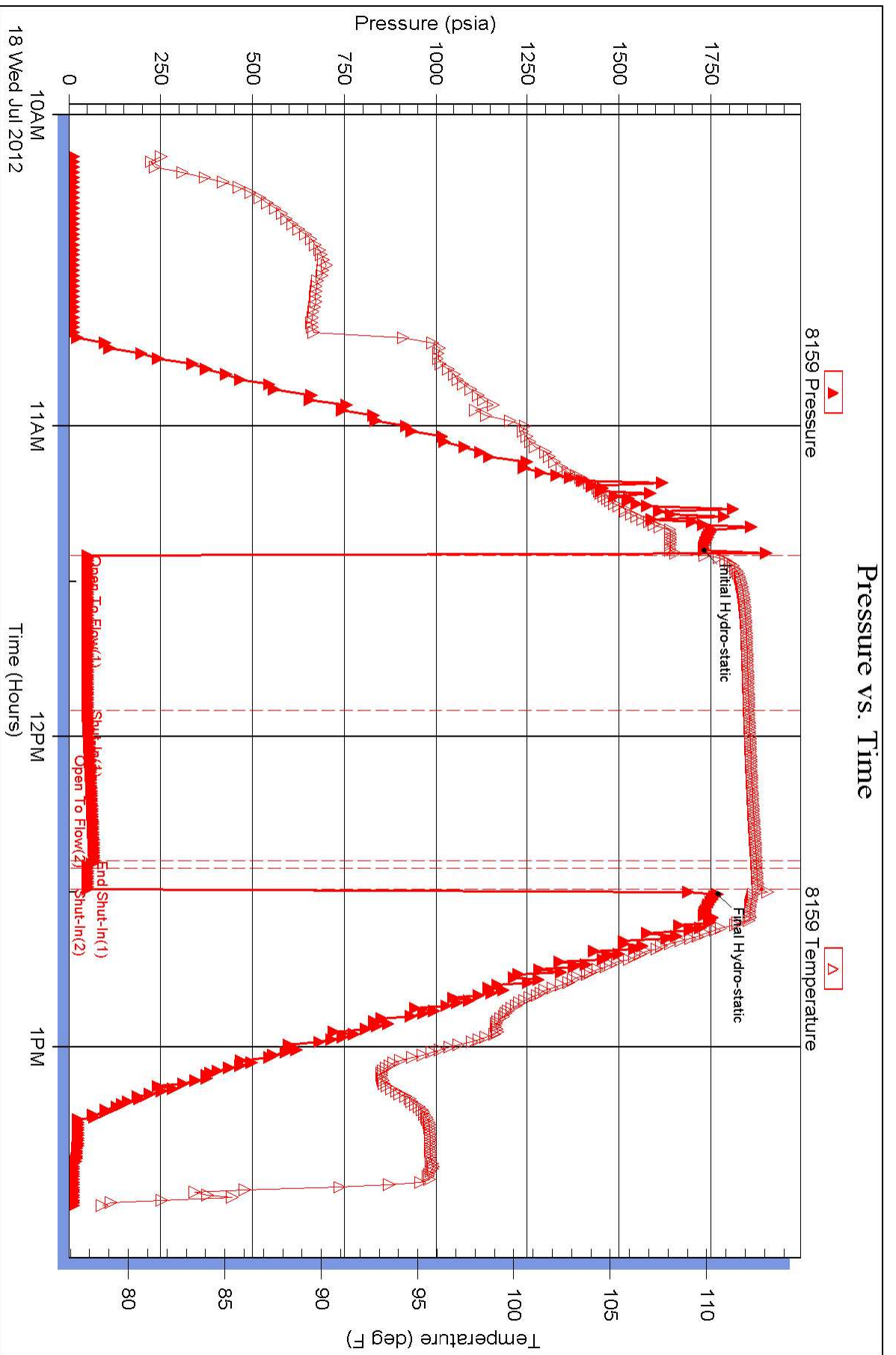
Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 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: **LB Exploration Inc**

2135 2nd RD Holyrood KS 67450

ATTN: Steven

Alexis #1

10-18-15 barton

Start Date: 2012.07.18 @ 21:17:00

End Date: 2012.07.19 @ 02:31:30

Job Ticket #: 17368 DST #: 4

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

Printed: 2012.07.19 @ 02:56:13



DRILL STEM TEST REPORT

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN: Steven

10-18-15 barton
Alexis #1
 Job Ticket: 17368 **DST#: 4**
 Test Start: 2012.07.18 @ 21:17:00

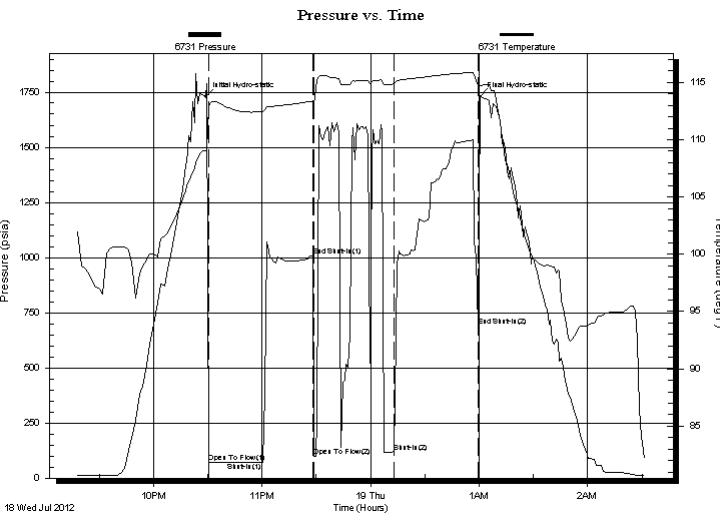
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:30:30
 Time Test Ended: 02:31:30
Interval: 3522.00 ft (KB) To 3544.00 ft (KB) (TVD)
 Total Depth: 3544.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320--Great Bend-
 Reference Elevations: 1958.00 ft (KB)
 1951.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6731

Press @ RunDepth: 117.56 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.18 End Date: 2012.07.19 Last Calib.: 2012.07.19
 Start Time: 21:17:00 End Time: 02:31:30 Time On Btm: 2012.07.18 @ 22:29:00
 Time Off Btm: 2012.07.19 @ 01:00:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 inch into bucket in 30 minutes tool chased 4 feet to bottom
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 8 inches into water in 45 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1727.71	109.01	Initial Hydro-static
2	72.65	112.86	Open To Flow (1)
31	70.56	112.44	Shut-In(1)
59	1006.61	113.37	End Shut-In(1)
60	97.29	113.02	Open To Flow (2)
104	117.56	114.88	Shut-In(2)
151	689.27	114.68	End Shut-In(2)
152	1731.89	114.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud	2.10

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN: Steven

10-18-15 barton
Alexis #1
 Job Ticket: 17368 **DST#: 4**
 Test Start: 2012.07.18 @ 21:17:00

Tool Information

Drill Pipe:	Length: 3518.00 ft	Diameter: 3.80 inches	Volume: 49.35 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	100000.0 lb
			<u>Total Volume: 49.35 bbl</u>	Tool Chased	4.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3522.00 ft			Final	4100.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	42.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3507.00	
Hydraulic Tool	5.00			3512.00	
Packer	5.00			3517.00	20.00 Bottom Of Top Packer
Packer	5.00			3522.00	
Anchor	17.00			3539.00	
Recorder	1.00	6731	Inside	3540.00	
Recorder	1.00	8159	Outside	3541.00	
Bullnose	3.00			3544.00	22.00 Bottom Packers & Anchor

Total Tool Length: 42.00



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration Inc
2135 2nd RD Holyrood KS 67450
ATTN: Steven

10-18-15 barton
Alexis #1
Job Ticket: 17368 **DST#: 4**
Test Start: 2012.07.18 @ 21:17:00

Mud and Cushion Information

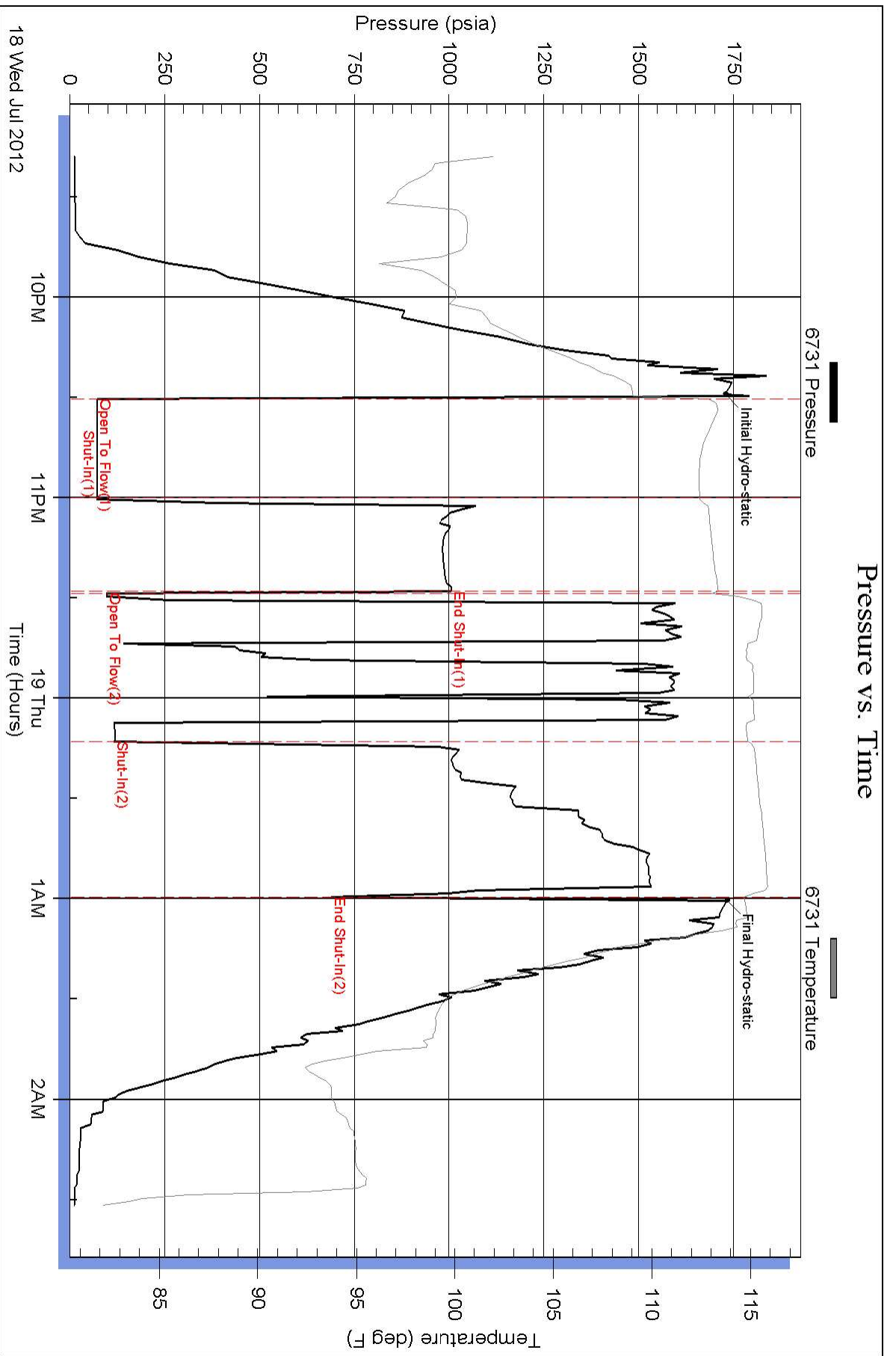
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 9000.00 ppm			
Filter Cake: 1.00 inches			

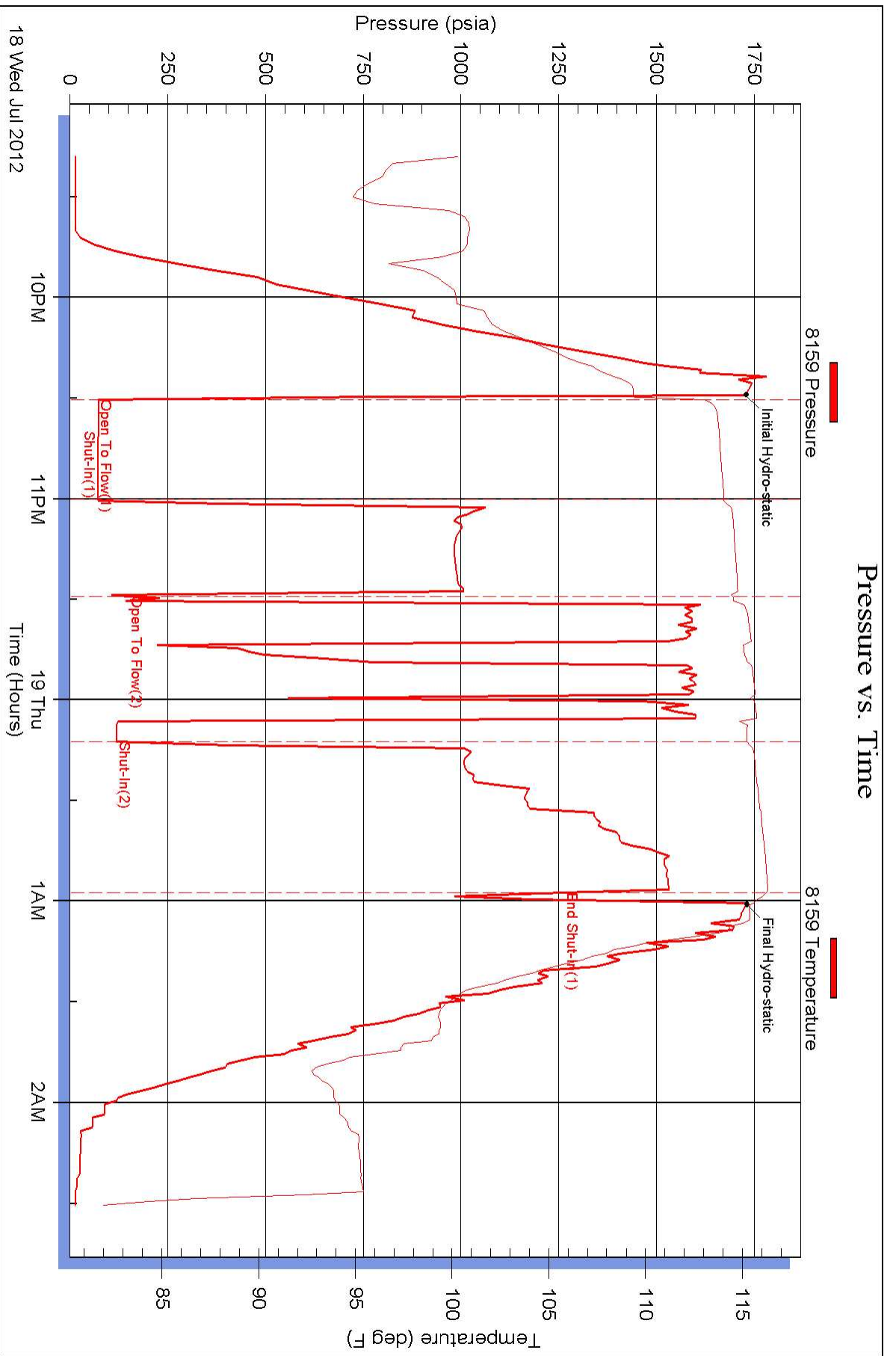
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Mud	2.104

Total Length: 150.00 ft Total Volume: 2.104 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration Inc**

2135 2nd RD Holyrood KS 67450

ATTN: Steven

Alexis #1

10-18-15 barton

Start Date: 2012.07.19 @ 08:44:00

End Date: 2012.07.19 @ 12:31:30

Job Ticket #: 17369 DST #: 5

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

Printed: 2012.07.19 @ 12:42:10



DRILL STEM TEST REPORT

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN: Steven

10-18-15 barton
Alexis #1
 Job Ticket: 17369 **DST#: 5**
 Test Start: 2012.07.19 @ 08:44:00

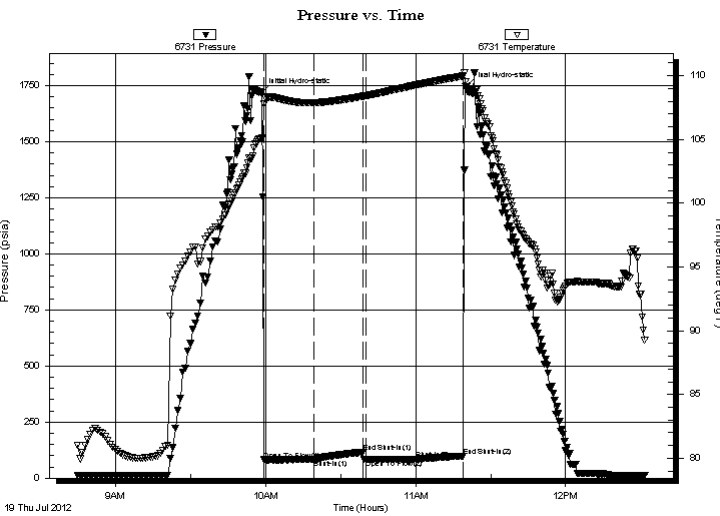
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:59:30
 Time Test Ended: 12:31:30
 Interval: **3485.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Total Depth: 3548.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-30
 Reference Elevations: 1958.00 ft (KB)
 1951.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6731

Press @ RunDepth: 83.92 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.19 End Date: 2012.07.19 Last Calib.: 2012.07.19
 Start Time: 08:44:00 End Time: 12:31:30 Time On Btm: 2012.07.19 @ 09:58:30
 Time Off Btm: 2012.07.19 @ 11:20:00

TEST COMMENT: 1st Opening 20 Minutes-Weak blow built 1 inch into bucket in 20 minutes tool chased 10 feet to bottom
 1st Shut-in 20 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surge did not build
 2nd Shut-in 20 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1718.86	105.10	Initial Hydro-static
1	81.46	107.81	Open To Flow (1)
21	82.22	107.89	Shut-In(1)
41	116.38	108.40	End Shut-In(1)
42	83.37	108.43	Open To Flow (2)
62	83.92	109.27	Shut-In(2)
81	98.72	109.99	End Shut-In(2)
82	1746.64	109.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.84

Gas Rates

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



DRILL STEM TEST REPORT

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN: Steven

10-18-15 barton
Alexis #1
 Job Ticket: 17369 **DST#: 5**
 Test Start: 2012.07.19 @ 08:44:00

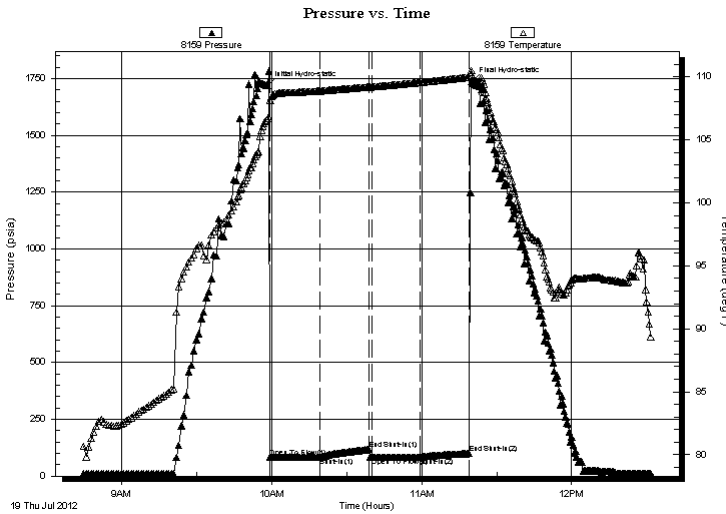
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:59:30
 Time Test Ended: 12:31:30
 Interval: **3485.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Total Depth: 3548.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-30
 Reference Elevations: 1958.00 ft (KB)
 1951.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8159

Press @ RunDepth: 99.83 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.19 End Date: 2012.07.19 Last Calib.: 2012.07.19
 Start Time: 08:44:00 End Time: 12:31:30 Time On Btm: 2012.07.19 @ 09:58:30
 Time Off Btm: 2012.07.19 @ 11:20:00

TEST COMMENT: 1st Opening 20 Minutes-Weak blow built 1 inch into bucket in 20 minutes tool chased 10 feet to bottom
 1st Shut-in 20 Minutes-No blow back
 2nd Opening 20 Minutes-Very weak surge did not build
 2nd Shut-in 20 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1720.32	106.68	Initial Hydro-static
1	82.77	108.09	Open To Flow (1)
21	83.59	108.88	Shut-In(1)
41	117.39	109.19	End Shut-In(1)
42	84.57	109.20	Open To Flow (2)
61	84.06	109.56	Shut-In(2)
81	99.83	109.97	End Shut-In(2)
82	1738.23	110.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.84

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration Inc
 2135 2nd RD Holyrood KS 67450
 ATTN: Steven

10-18-15 barton
Alexis #1
 Job Ticket: 17369 **DST#: 5**
 Test Start: 2012.07.19 @ 08:44:00

Tool Information

Drill Pipe:	Length: 3484.00 ft	Diameter: 3.80 inches	Volume: 48.87 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 48.87 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3485.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

SHut-InTool	5.00		Inside	3470.00	
Hydraulic Tool	5.00			3475.00	
Packer	5.00			3480.00	20.00 Bottom Of Top Packer
Packer	5.00			3485.00	
Anchor	0.00			3485.00	
Change Over Sub	0.75			3485.75	
Drill Pipe	31.50		Outside	3517.25	
Change Over Sub	0.75		Outside	3518.00	
Anchor	25.00			3543.00	
Recorder	1.00	6731	Inside	3544.00	
Recorder	1.00	8159	Outside	3545.00	
Bullnose	3.00			3548.00	63.00 Bottom Packers & Anchor

Total Tool Length: 83.00



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration Inc
2135 2nd RD Holyrood KS 67450
ATTN: Steven

10-18-15 barton
Alexis #1
Job Ticket: 17369 **DST#: 5**
Test Start: 2012.07.19 @ 08:44:00

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:	52.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	11.20 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	9000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud	0.842

Total Length: 60.00 ft Total Volume: 0.842 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

