



KANSAS CORPORATION COMMISSION 1083244
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 # 33186
Name: LB Exploration, Inc.
Address 1: 2135 2ND RD
Address 2: _____
City: HOLYROOD State: KS Zip: 67450 + 9021
Contact Person: Michael Petermann
Phone: (785) 252-8034
CONTRACTOR: License # 34541
Name: Ninnescah Drilling LLC
Wellsite Geologist: Steven Petermann
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: Dean Allison Oil Co.
Well Name: Larkin #1
Original Comp. Date: 4/2/1974 Original Total Depth: 3528
 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 #: _____

<u>9/28/2011</u>	<u>10/10/2011</u>	<u>12/27/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-20258-00-01
Spot Description: 100' S & 140' W
NE SW NW SE Sec. 14 Twp. 32 S. R. 15 East West
1880 Feet from North / South Line of Section
2120 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barber
Lease Name: Larkin 14 Well #: 2
Field Name: _____
Producing Formation: Massey
Elevation: Ground: 1997 Kelly Bushing: 2010
Total Depth: 5393 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 244 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: Deanna Gantner Date: 06/11/2012



1083244

Operator Name: LB Exploration, Inc. Lease Name: Larkin 14 Well #: 2
 Sec. 14 Twp. 32 S. R. 15 East West County: Barber

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Lansing</td> <td>4247</td> <td>-2237</td> </tr> <tr> <td>Viola</td> <td>4933</td> <td>-2923</td> </tr> <tr> <td>Simpson Sand</td> <td>5055</td> <td>-3045</td> </tr> <tr> <td>Arbuckle</td> <td>5172</td> <td>-3162</td> </tr> </table>	Name	Top	Datum	Lansing	4247	-2237	Viola	4933	-2923	Simpson Sand	5055	-3045	Arbuckle	5172	-3162
Name	Top	Datum														
Lansing	4247	-2237														
Viola	4933	-2923														
Simpson Sand	5055	-3045														
Arbuckle	5172	-3162														

CASING RECORD <input checked="" 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
Production	7.875	5.5	14	5232	AA2	225	

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 (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
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 (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input checked="" 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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____
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Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Larkin 14 2
Doc ID	1083244

All Electric Logs Run

Compensated Neutron Density
Borehole Compensated Sonic
Spectral Gamma Ray
Microresistivity
Dual Induction

BASIC

energy services, L.P.

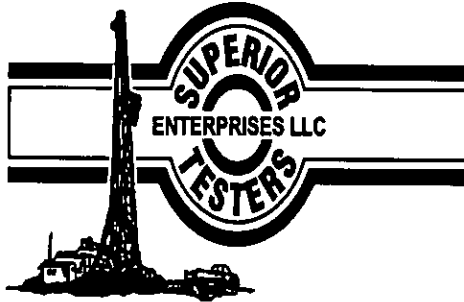
TREATMENT REPORT

Customer: L.B. EXPLORATION	Lease No.	Date: 10-11-2011
Lease: LARKIN 14	Well # 2	
Field Order # 0467	Station: PRATT, Ks.	County: BARBER
Type Job: CNW - 5 1/2" L.S. w/ PACKER SHOE	Depth: 393'	State: Ks.
	Formation	Legal Description: T-34-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: 5 1/2" x 14"	Shots/ft: CMT - 225 SK AA-2	From	To	Pre Pack: 120.154 CWT	Max	Rate	Press	ISIP
Depth: 393'	From	To	Pad	Min				5 Min.
Volume: 126.63 BBL	From	To	Frac	Avg				10 Min.
Max Press: 1500	From	To		HHP Used				15 Min.
Well Connection: P.C.	Annulus Vol.	From	To					Annulus Pressure
Plug Depth: 3199.88'	Pecker Depth	From	To	Flush: 126.63 BBL	Gas Volume			Total Load

Customer Representative: MICHAEL PETERMAN	Station Manager: D. SCOTT	Treater: K. LESLEY		
Service Units: 37581	19889	19842	19960	19918
Driver Names: LESEY, LAWRENCE	PAVE			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00 PM					ON LOCATION - SAFETY MEETING
10:00 PM					RUN 5 1/2" x 14" C.S.G.
					ST = 42.12' w/ PLATCHDOWN PLUG
					TURBO. - 24, 5, 7, 12, 13, 15, 16, 18, 19, 26, 27
1:00 AM					C.S.G. ON BOTTOM
1:20 AM					HOOK UP TO C.S.G. / BREAK CIRC. w/ RIG
2:10 AM	1500				SET PACKER SHOE w/ PUMP TRUCK
2:20 AM	500		20	6	8% KCL H ₂ O AHEAD
2:40 AM	500		12	6	MUD FLUSH
2:50 AM	300		62	6	MIX 225 SK AA-2 @ 14.8 BPPG
3:00 AM					CLEAR PUMP & LINE CLEAN
3:05 AM					DROP L.D. PLUG
3:10 AM	0		0	7	START DISPLACEMENT w/ 10% KCL
3:22 AM	300		84	6	LIFT PRESSURE
3:26 AM	700		120	5	SLOW RATE
3:30 AM	1500		126.6	4	PLUG DOWN - HELD
					CIRC. THRU JOB
			6.4		PLUG R.H. & M.H.
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd Road
Holyrood, Kansas 67460

ATTN: Steven Peterson

14/32S/14W/Barber

Larkin 14

Start Date: 2011.10.01 @ 15:35:00

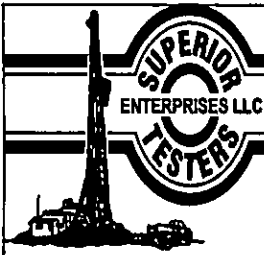
End Date: 2011.10.01 @ 21:38:00

Job Ticket #: 18776 DST #: 1

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

Printed: 2011.10.01 @ 19:52:17

LB Exploration Larkin 14 14/32S/14W/Barber DST # 1 Shawnee 2011.10.01



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

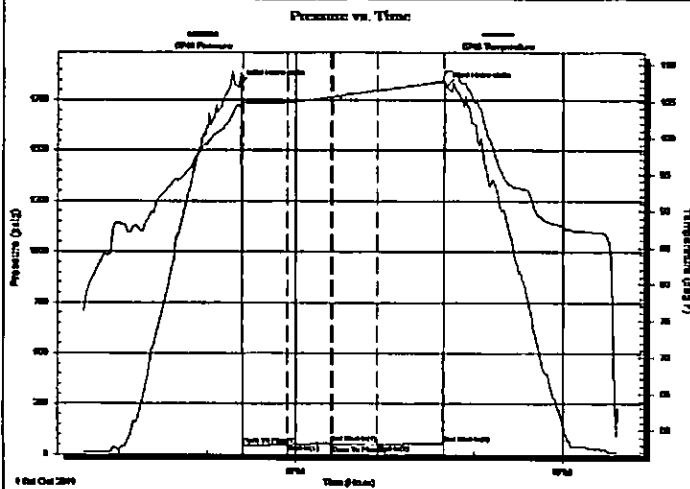
Larkin 14
 14/32S/14W/Barber
 Job Ticket: 18776 DST#: 1
 Test Start: 2011.10.01 @ 15:35:00

GENERAL INFORMATION:

Formation: **Shawnee**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 17:24:30
 Time Test Ended: 21:38:00
 Interval: **3820.00 ft (KB) To 3860.00 ft (KB) (TVD)**
 Total Depth: **3860.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **2010.00 ft (KB)**
 1997.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: 6748 **Outside**
 Press@RunDepth: **49.38 psig @ 3857.00 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.01** End Date: **2011.10.01** Last Calib.: **2011.10.01**
 Start Time: **15:35:00** End Time: **21:38:00** Time On Btrn: **2011.10.01 @ 17:22:30**
 21:38:00 Time Off Btrn: **2011.10.01 @ 19:41:30**

TEST COMMENT: 1ST Open 30 Minutes/Weak surface blow/Blow died in 13 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

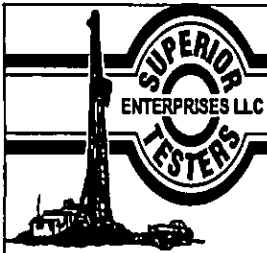
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.95	104.33	Initial Hydro-static
2	47.03	104.72	Open To Flow (1)
32	48.25	104.92	Shut-In(1)
62	56.83	105.62	End Shut-In(1)
63	48.13	105.64	Open To Flow (2)
93	49.38	106.52	Shut-In(2)
138	57.30	107.77	End Shut-In(2)
139	1821.66	109.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

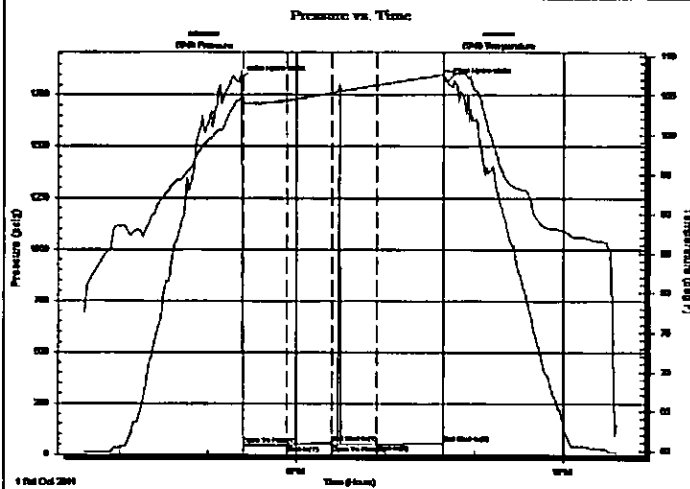
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18776 DST#: 1
 Test Start: 2011.10.01 @ 15:35:00

GENERAL INFORMATION:

Formation: **Shawnee**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 17:24:30
 Time Test Ended: 21:38:00
 Interval: **3820.00 ft (KB) To 3860.00 ft (KB) (TVD)**
 Total Depth: **3860.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **2010.00 ft (KB)**
 1997.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: 6749 **Inside**
 Press@RunDepth: **56.67 psig @ 3856.00 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.01** End Date: **2011.10.01** Last Calib.: **2011.10.01**
 Start Time: **15:35:00** End Time: **21:38:00** Time On Btm: **2011.10.01 @ 17:22:30**
 Time Off Btm: 2011.10.01 @ 19:41:30

TEST COMMENT: 1ST Open 30 Minutes/Weak surface blow/Blow died in 13 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

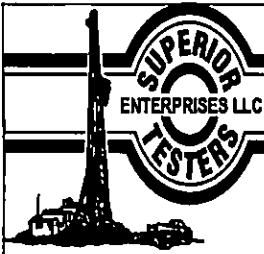
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1826.70	104.61	Initial Hydro-static
2	46.31	104.04	Open To Flow (1)
32	47.11	104.35	Shut-In(1)
62	56.27	105.27	End Shut-In(1)
62	47.25	105.28	Open To Flow (2)
92	48.64	106.28	Shut-In(2)
137	56.67	107.61	End Shut-In(2)
139	1817.05	108.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration

Larkin 14

2135 2nd Road
Holyrood, Kansas 67460

14/32S/14W/Barber

Job Ticket: 18776

DST#: 1

ATTN: Steven Peterson

Test Start: 2011.10.01 @ 15:35:00

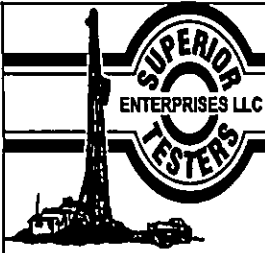
Tool Information

Drill Pipe:	Length: 3816.00 ft	Diameter: 3.88 inches	Volume: 55.81 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: 55.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3820.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			3796.00	
Hydraulic tool	5.00			3801.00	
Change over sub	1.00			3802.00	
Jars	6.00			3808.00	
Safety Joint	2.00			3810.00	
Packer	5.00			3815.00	29.00 Bottom Of Top Packer
Packer	5.00			3820.00	
Anchor	35.00			3855.00	
Recorder	1.00	6749	Inside	3856.00	
Recorder	1.00	6748	Outside	3857.00	
Bullnose	3.00			3860.00	40.00 Bottom Packers & Anchor

Total Tool Length: 69.00



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration
2135 2nd Road
Holyrood, Kansas 67460
ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
Job Ticket: 18776 DST#: 1
Test Start: 2011.10.01 @ 15:35:00

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

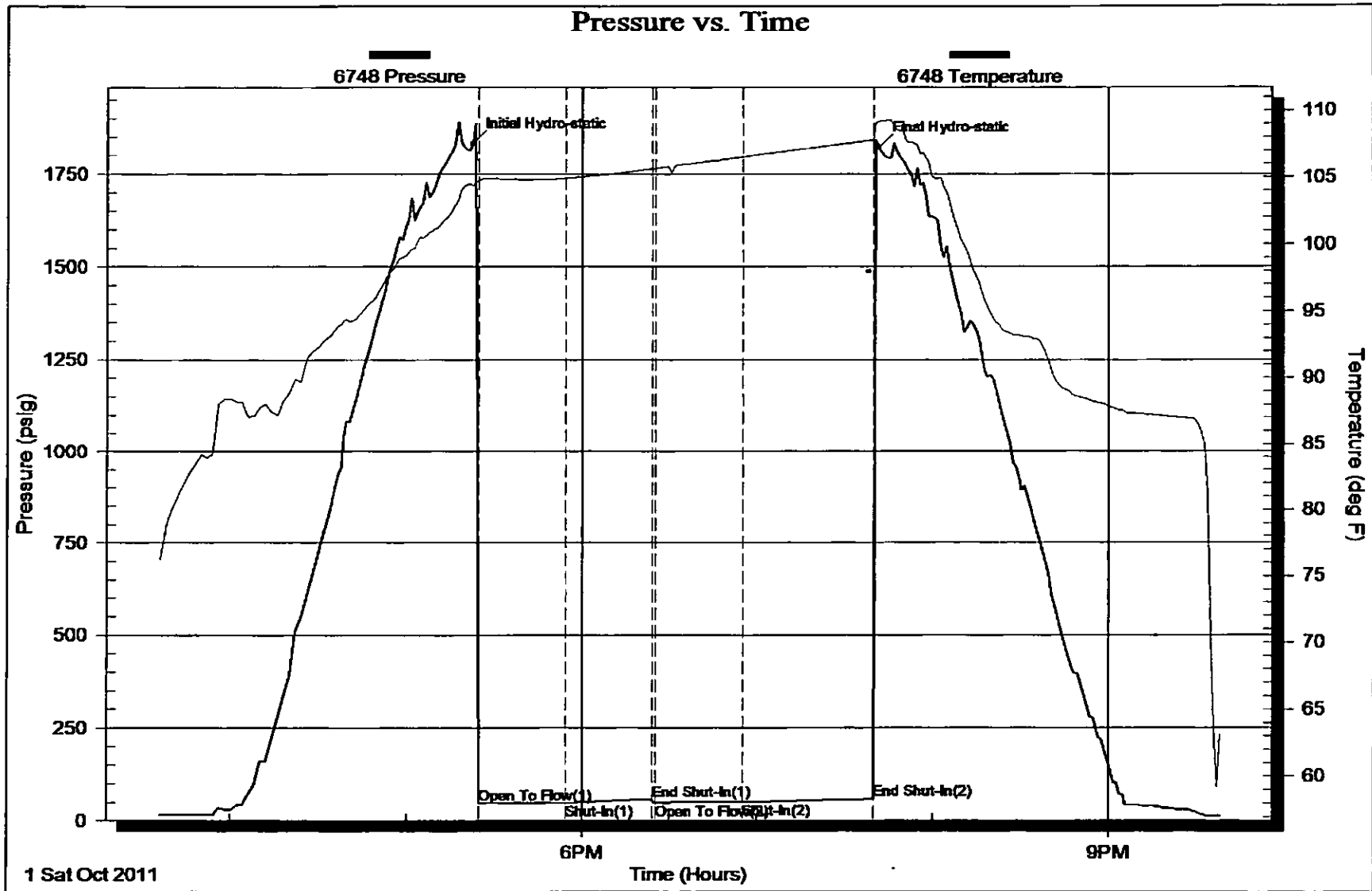
Length ft	Description	Volume bbl
5.00	Mud 100%	0.073

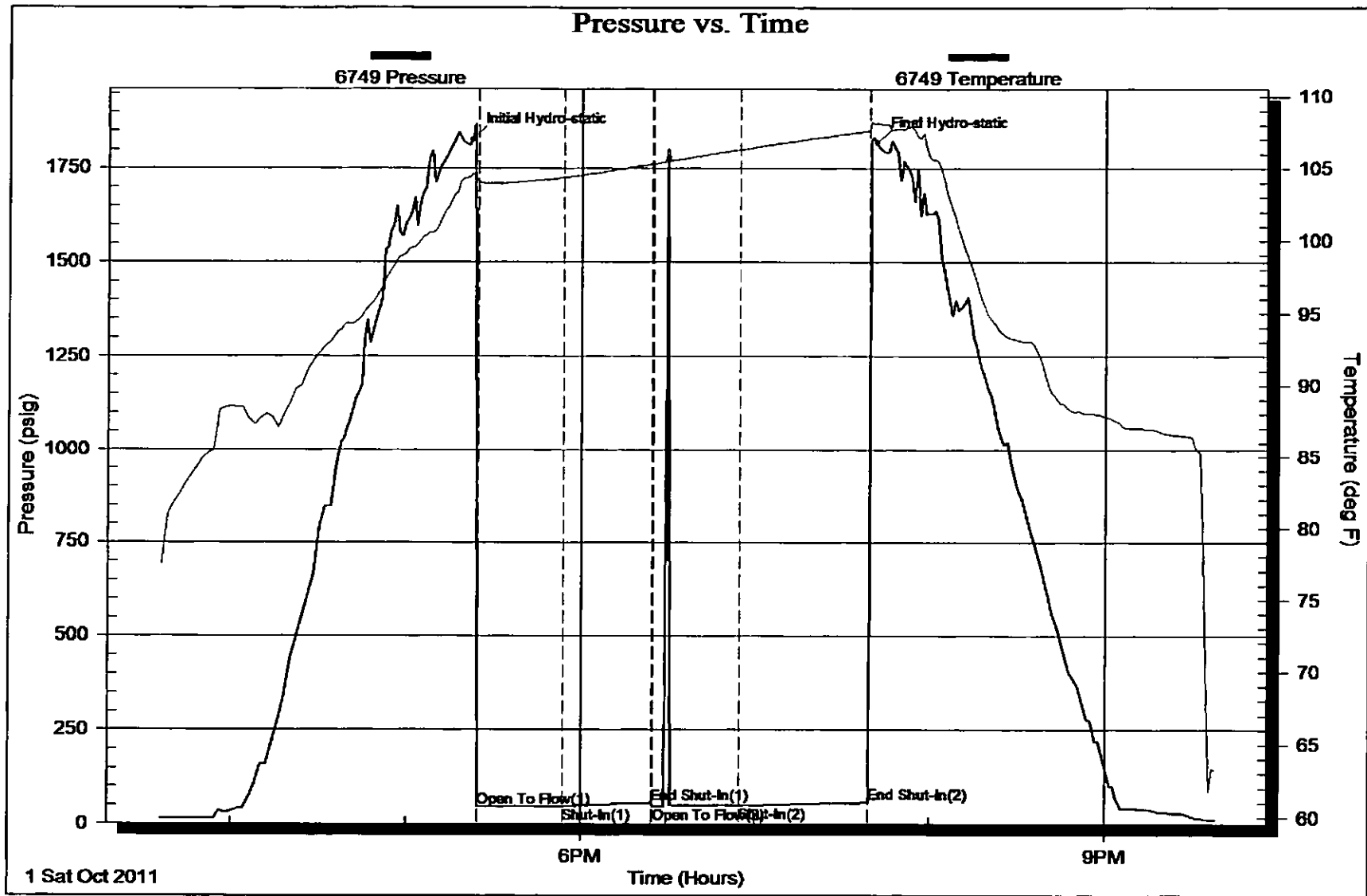
Total Length: 5.00 ft Total Volume: 0.073 bbl

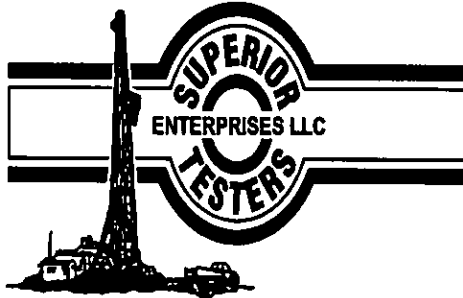
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd Road
Holyrood, Kansas 67460

ATTN: Steven Peterson

14/32S/14W/Barber

Larkin 14

Start Date: 2011.10.02 @ 14:06:00

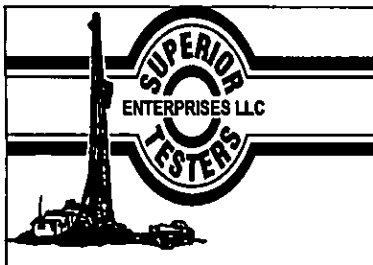
End Date: 2011.10.02 @ 21:38:00

Job Ticket #: 18777 DST #: 2

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

Printed: 2011.10.02 @ 20:06:57

LB Exploration Larkin 14 14/32S/14W/Barber DST # 2 Elgin 2011.10.02



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

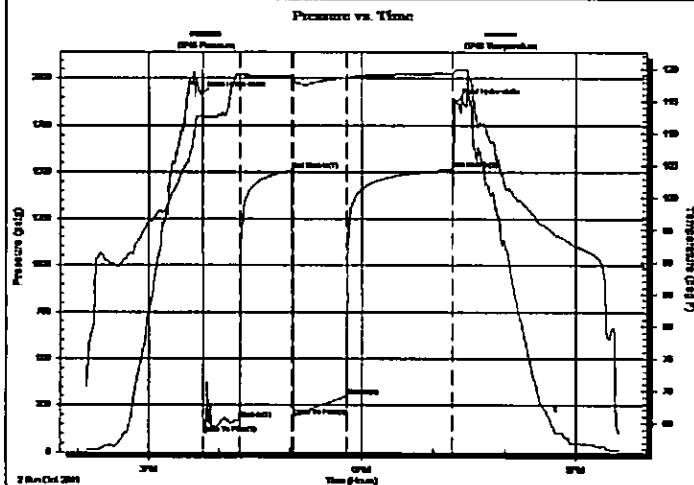
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18777 DST#: 2
 Test Start: 2011.10.02 @ 14:06:00

GENERAL INFORMATION:

Formation: Elgin Deviated: No Whipstock: ft (KB) Time Tool Opened: 15:46:30 Time Test Ended: 21:38:00 Interval: 4008.00 ft (KB) To 4062.00 ft (KB) (TVD) Total Depth: 4062.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Test Type: Conventional Bottom Hole (Initial) Tester: Ken Swinney Unit No: 3325 Pratt/96 Reference Elevations: 2010.00 ft (KB) 1997.00 ft (CF) KB to GR/CF: 13.00 ft
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Serial #: 6748 Press@RunDepth: 299.74 psig @ 4058.70 ft (KB) Start Date: 2011.10.02 Start Time: 14:06:00	Outside End Date: 2011.10.02 End Time: 21:38:00	Capacity: 5000.00 psig Last Calib.: 2011.10.02 Time On Btrc: 2011.10.02 @ 15:45:00 Time Off Btrc: 2011.10.02 @ 19:19:00
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TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow to bottom of bucket in 19 minutes
 1ST Shut In 45 Minutes/No blow back
 2ND Open 45 Minutes/Fair blow/Blow to bottom of bucket in 25 minutes
 2ND Shut In 90 Minutes/No blow back



PRESSURE SUMMARY

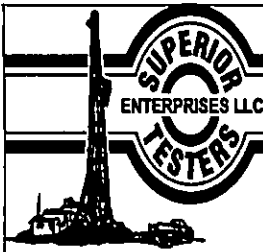
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.94	112.64	Initial Hydro-static
2	99.21	112.09	Open To Flow (1)
32	176.11	119.05	Shut-in(1)
77	1509.54	118.82	End Shut-in(1)
78	193.70	118.28	Open To Flow (2)
122	299.74	118.33	Shut-in(2)
211	1514.28	119.28	End Shut-in(2)
214	1875.74	119.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Mud 100%	1.46
365.00	Lightly gassy muddy w ater	5.34
0.00	Gas 2% Mud 18% Water 80%	0.00
0.00	Recovery chlorides 125000 ppm	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

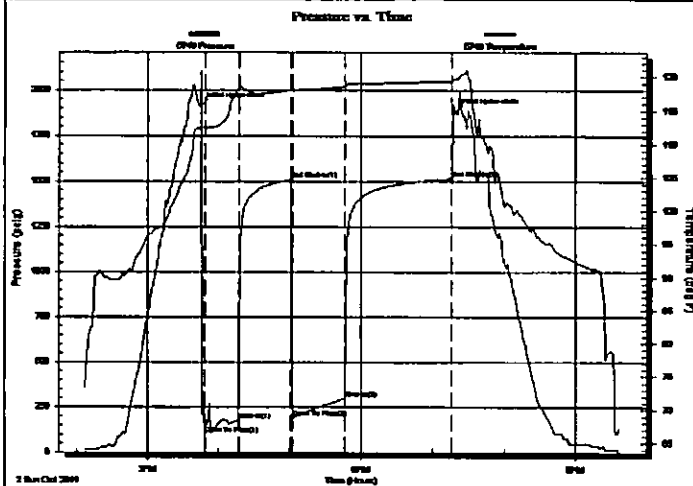
Larkin 14
 14/32S/14W/Barber
 Job Ticket: 18777 DST#: 2
 Test Start: 2011.10.02 @ 14:06:00

GENERAL INFORMATION:

Formation: Elgin	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Ken Swinney
Time Tool Opened: 15:46:30	Unit No: 3325 Pratt/96
Time Test Ended: 21:38:00	
Interval: 4008.00 ft (KB) To 4062.00 ft (KB) (TVD)	Reference Elevations: 2010.00 ft (KB)
Total Depth: 4062.00 ft (KB) (TVD)	1997.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF: 13.00 ft

Serial #: 6749 Inside	Capacity: 5000.00 psig
Press@RunDepth: 1513.47 psig @ 4057.70 ft (KB)	Last Calib.: 2011.10.02
Start Date: 2011.10.02	End Date: 2011.10.02
Start Time: 14:06:00	End Time: 21:37:30
	Time On Btrc: 2011.10.02 @ 15:44:30
	Time Off Btrc: 2011.10.02 @ 19:18:30

TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow to bottom of bucket in 19 minutes
 1ST Shut In 45 Minutes/No blow back
 2ND Open 45 Minutes/Fair blow/Blow to bottom of bucket in 25 minutes
 2ND Shut In 90 Minutes/No blow back



PRESSURE SUMMARY

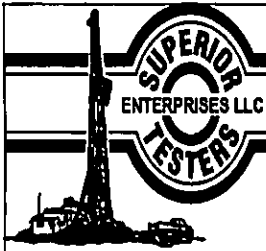
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.06	112.36	Initial Hydro-static
4	98.62	112.41	Open To Flow (1)
33	176.54	118.35	Shut-In(1)
77	1508.50	118.12	End Shut-In(1)
78	193.03	117.86	Open To Flow (2)
122	298.40	118.61	Shut-In(2)
211	1513.47	119.39	End Shut-In(2)
214	1877.60	119.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Mud 100%	1.46
365.00	Lightly gassy muddy w ater	5.34
0.00	Gas 2% Mud 18% Water 80%	0.00
0.00	Recovery chlorides 125000 ppm	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
 Job Ticket: 18777 **DST#: 2**
 Test Start: 2011.10.02 @ 14:06:00

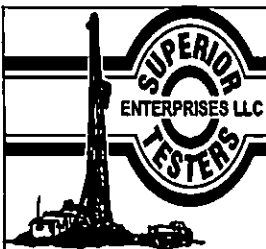
Tool Information

Drill Pipe:	Length: 4006.00 ft	Diameter: 3.88 inches	Volume: 58.58 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: 58.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.75 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4008.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.70 ft			
Tool Length:	82.45 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			3984.25	
Hydraulic tool	5.00			3989.25	
Change over sub	0.75			3990.00	
Jars	6.00			3996.00	
Safety Joint	2.00			3998.00	
Packer	5.00			4003.00	28.75 Bottom Of Top Packer
Packer	5.00			4008.00	
Anchor	5.00			4013.00	
change over sub	0.75			4013.75	
drill pipe	31.20			4044.95	
change over sub	0.75			4045.70	
anchor	11.00			4056.70	
Recorder	1.00	6749	Inside	4057.70	
Recorder	1.00	6748	Outside	4058.70	
bul plug	3.00			4061.70	53.70 Bottom Packers & Anchor

Total Tool Length: 82.45



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
 Job Ticket: 18777 DST#: 2
 Test Start: 2011.10.02 @ 14:06:00

Mud and Cushion Information

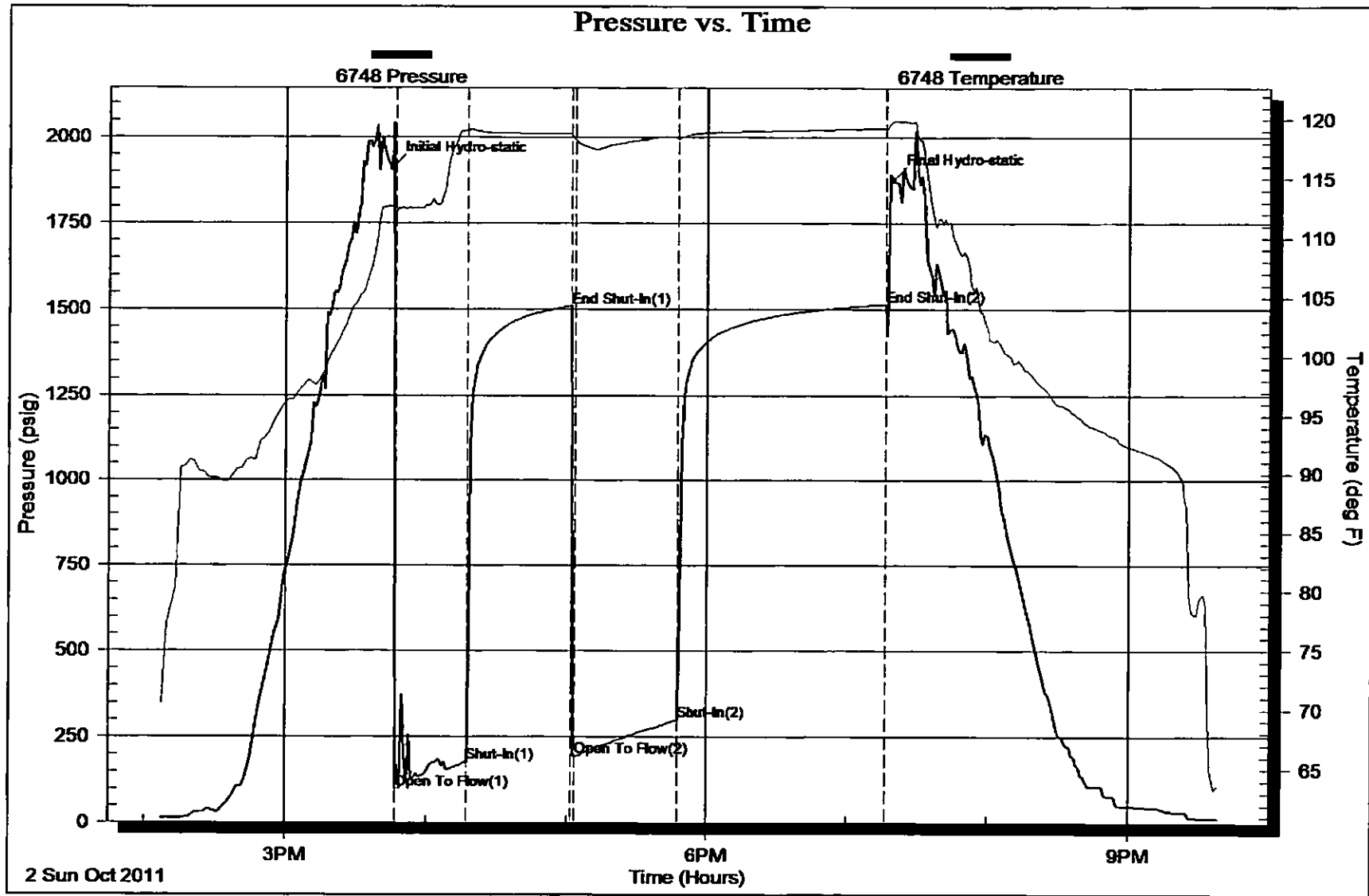
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

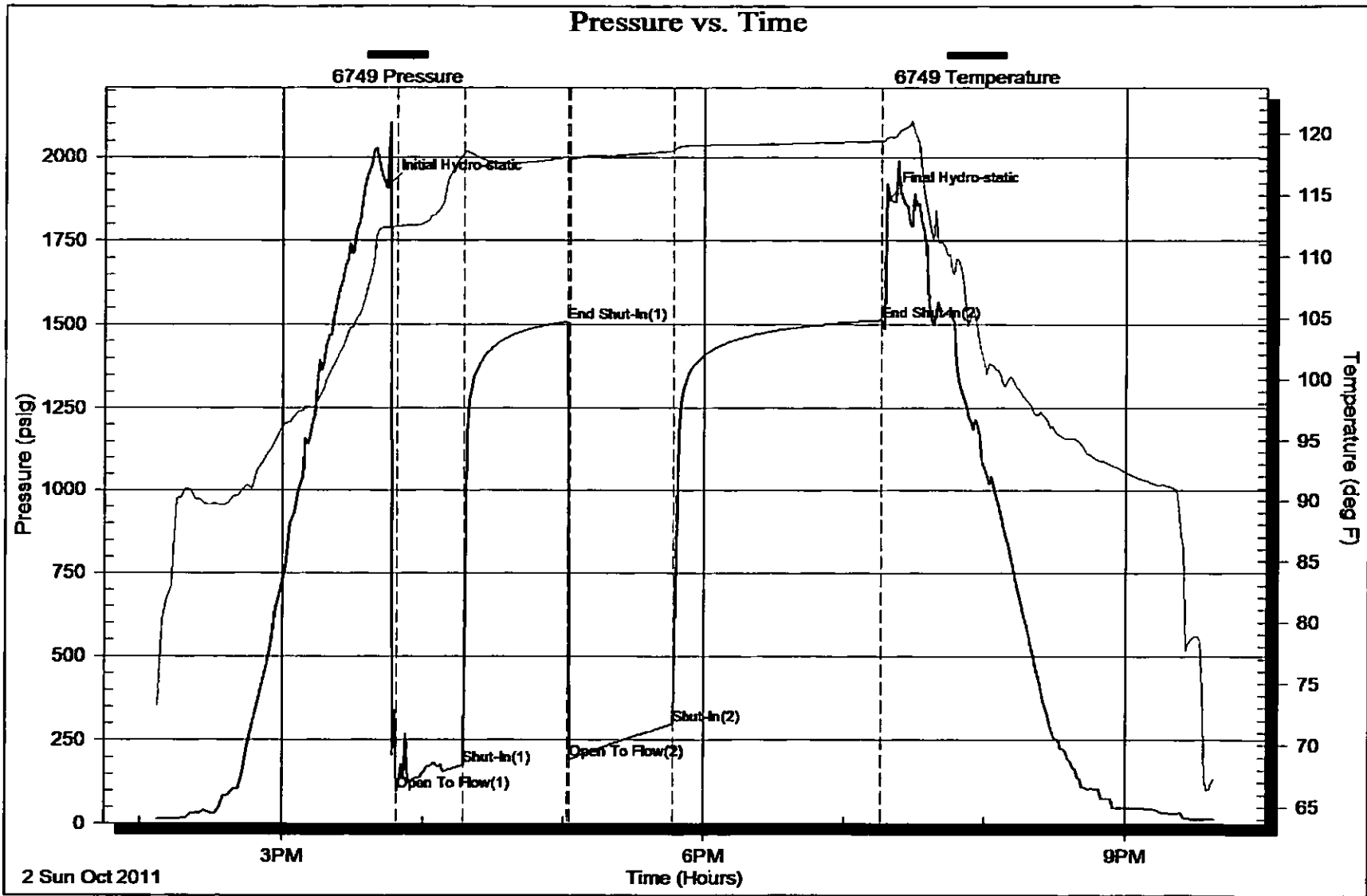
Recovery Information

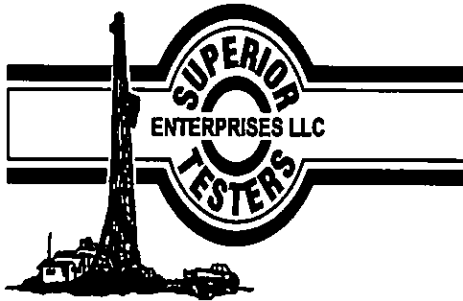
Recovery Table

Length ft	Description	Volume bbl
100.00	Mud 100%	1.462
365.00	Lightly gassy muddy water	5.338
0.00	Gas 2% Mud 18% Water 80%	0.000
0.00	Recovery chlorides 125000 ppm	0.000

Total Length: 465.00 ft Total Volume: 6.800 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd Road
Holyrood, Kansas 67460

ATTN: Steven Peterson

14/32S/14W/Barber

Larkin 14

Start Date: 2011.10.04 @ 08:56:00

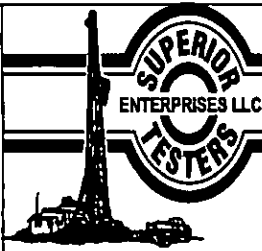
End Date: 2011.10.04 @ 16:36:30

Job Ticket #: 18778 DST #: 3

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

Printed: 2011.10.04 @ 15:08:08

LB Exploration Larkin 14 14/32S/14W/Barber DST # 3 Lansing 2011.10.04



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

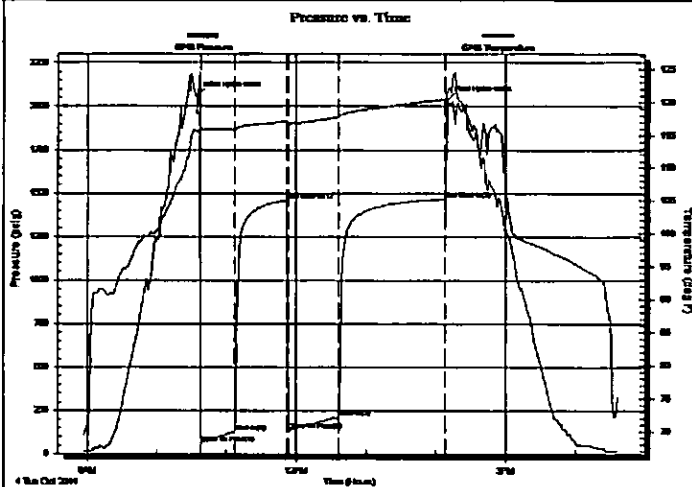
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18778 **DST#: 3**
 Test Start: 2011.10.04 @ 08:56:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 10:38:30
 Time Test Ended: 16:36:30
 Interval: **4302.00 ft (KB) To 4359.00 ft (KB) (TVD)**
 Total Depth: **4359.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **2010.00 ft (KB)**
 1997.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: 6748 Outside
 Press@RunDepth: **211.46 psig @ 4355.54 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.04** End Date: **2011.10.04** Last Calib.: **2011.10.04**
 Start Time: **08:56:00** End Time: **16:36:30** Time On Btm: **2011.10.04 @ 10:35:00**
 Time Off Btm: 2011.10.04 @ 14:10:00

TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow built to bottom of bucket in 10 minutes
 1ST Shut in 45 Minutes/No blow back
 2ND Open 45 Minutes/Fair blow/Blow built to bottom of bucket in 26 minutes
 2ND Shut in 90 Minutes/Very weak surface blow back



PRESSURE SUMMARY

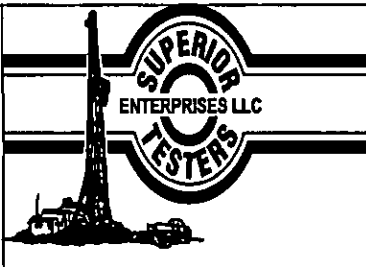
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.70	115.61	Initial Hydro-static
4	60.33	115.77	Open To Flow (1)
33	126.06	115.81	Shut-In(1)
78	1459.68	117.11	End Shut-In(1)
79	133.76	116.76	Open To Flow (2)
122	211.46	117.72	Shut-In(2)
213	1467.90	120.39	End Shut-In(2)
215	2040.27	122.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil cut Mud	0.15
0.00	10% Oil 90% Mud	0.00
120.00	Watery Mud with show of oil	1.75
0.00	50% Water 50% Mud	0.00
120.00	Muddy water	1.75
0.00	10% Mud 90% Water	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
 14/32S/14W/Barber
 Job Ticket: 18778 DST#: 3
 Test Start: 2011.10.04 @ 08:56:00

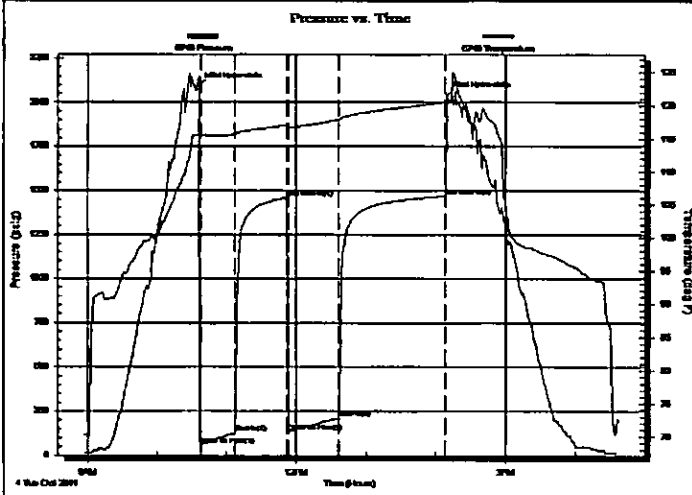
GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 10:38:30
 Time Test Ended: 16:36:30
 Interval: **4302.00 ft (KB) To 4359.00 ft (KB) (TVD)**
 Total Depth: **4359.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **2010.00 ft (KB)**
1997.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 6749 **Inside**
 Press@RunDepth: **1466.28 psig @ 4354.54 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.04** End Date: **2011.10.04** Last Calib.: **2011.10.04**
 Start Time: **08:56:00** End Time: **16:36:30** Time On Btm: **2011.10.04 @ 10:35:30**
 Time Off Btm: **2011.10.04 @ 14:09:30**

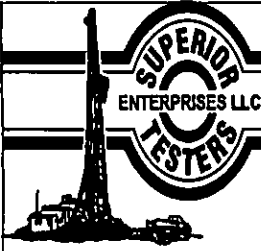
TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow built to bottom of bucket in 10 minutes
 1ST Shut In 45 Minutes/No blow back
 2ND Open 45 Minutes/Fair blow/Blow built to bottom of bucket in 26 minutes
 2ND Shut In 90 Minutes/Very weak surface blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2089.14	115.61	Initial Hydro-static
3	60.55	115.63	Open To Flow (1)
32	125.94	115.66	Shut-In(1)
77	1459.15	117.09	End Shut-In(1)
78	133.31	116.77	Open To Flow (2)
122	211.19	117.87	Shut-In(2)
213	1466.28	120.55	End Shut-In(2)
214	2040.30	120.48	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	Oil cut Mud	0.15
0.00	10% Oil 90% Mud	0.00
120.00	Watery Mud w ith show of oil	1.75
0.00	50% Water 50% Mud	0.00
120.00	Muddy water	1.75
0.00	10% Mud 90% Water	0.00

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
 Job Ticket: 18778 DST#: 3
 Test Start: 2011.10.04 @ 08:56:00

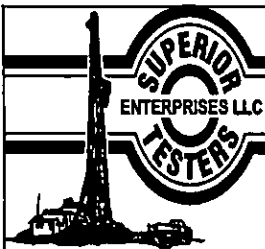
Tool Information

Drill Pipe:	Length: 4288.00 ft	Diameter: 3.88 inches	Volume: 62.71 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: 62.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.75 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	4302.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.54 ft			
Tool Length:	85.29 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			4278.25	
Hydraulic tool	5.00			4283.25	
Change over sub	0.75			4284.00	
Jars	6.00			4290.00	
Safety Joint	2.00			4292.00	
Packer	5.00			4297.00	28.75 Bottom Of Top Packer
Packer	5.00			4302.00	
Anchor	0.00			4302.00	
change over sub	0.75			4302.75	
drill pipe	31.04			4333.79	
change over sub	0.75			4334.54	
anchor	19.00			4353.54	
Recorder	1.00	6749	Inside	4354.54	
Recorder	1.00	6748	Outside	4355.54	
bull plug	3.00			4358.54	56.54 Bottom Packers & Anchor

Total Tool Length: 85.29



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
 Job Ticket: 18778 **DST#: 3**
 Test Start: 2011.10.04 @ 08:56:00

Mud and Cushion Information

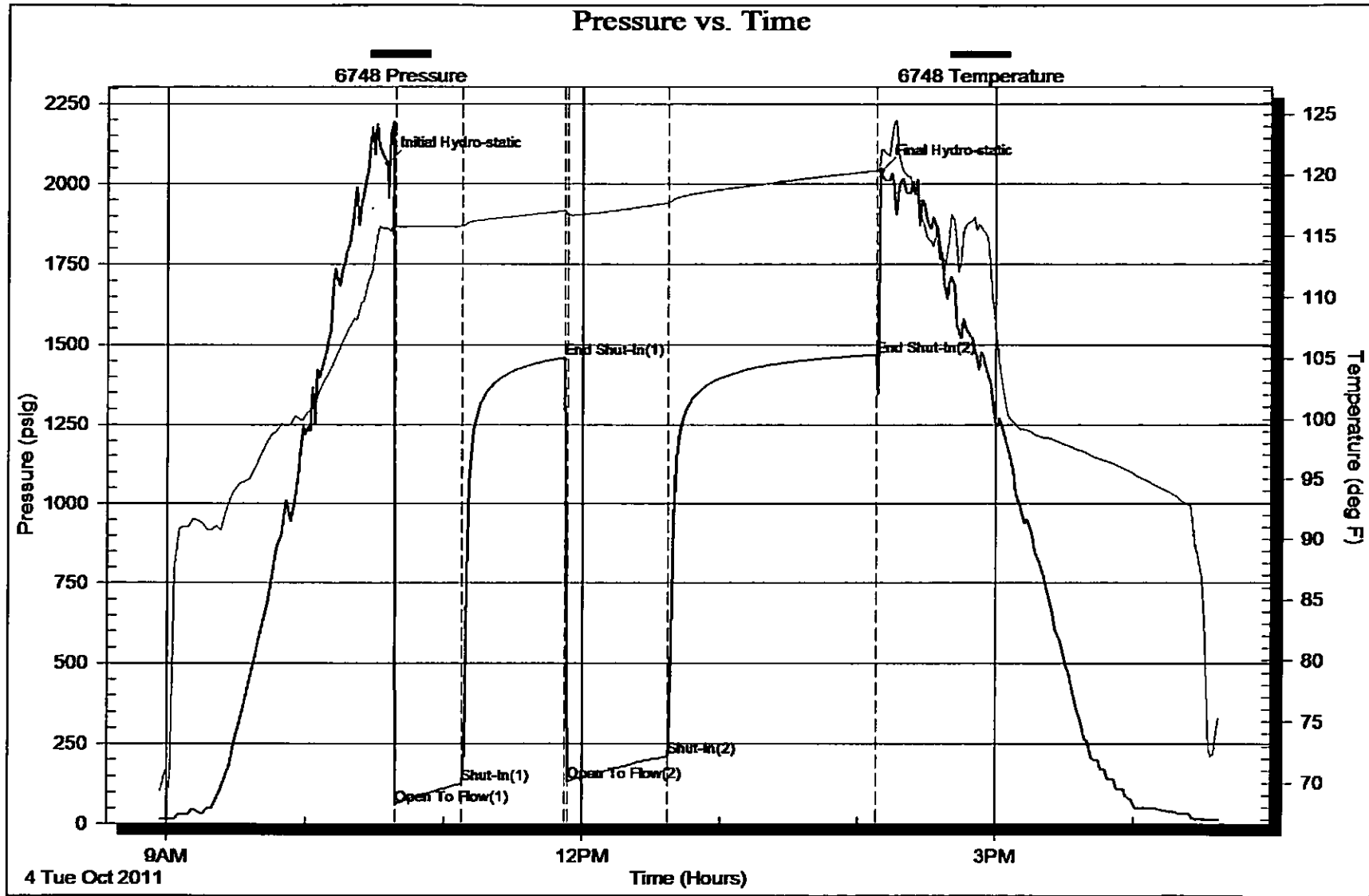
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 2.00 inches			

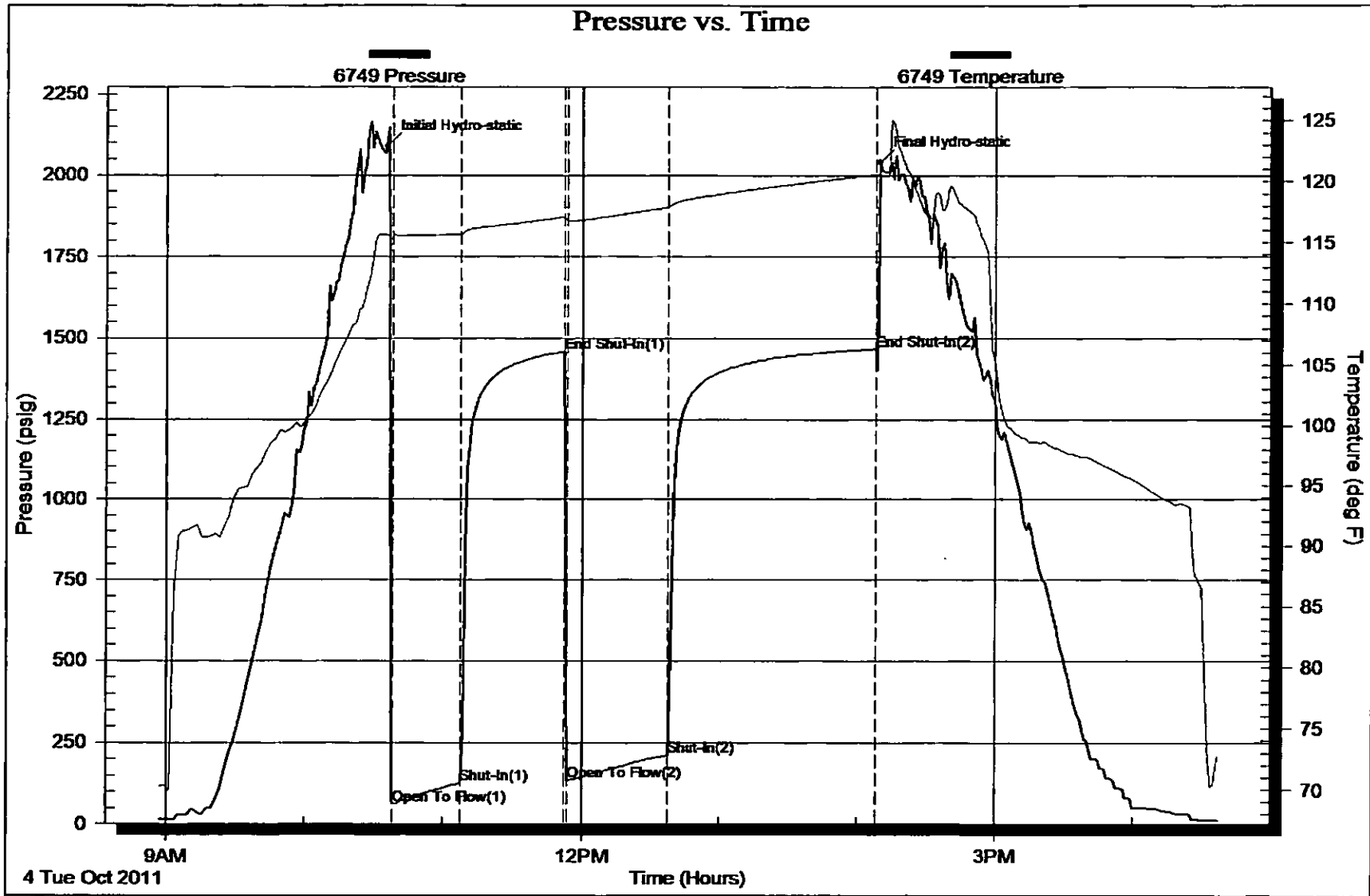
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil cut Mud	0.146
0.00	10% Oil 90% Mud	0.000
120.00	Watery Mud with show of oil	1.755
0.00	50% Water 50% Mud	0.000
120.00	Muddy water	1.755
0.00	10% Mud 90% Water	0.000
60.00	Watery Mud	0.877
0.00	5% Water 95% Mud	0.000
0.00	2100 feet Gas in pipe	0.000
0.00	Recovery Chlorides 95000 ppm	0.000

Total Length: 310.00 ft Total Volume: 4.533 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**
2135 2nd Road
Holyrood, Kansas 67460

ATTN: Steven Peterson

14/32S/14W/Barber

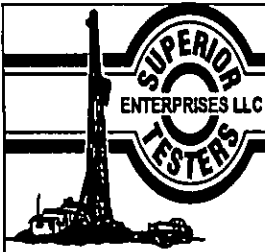
Larkin 14

Start Date: 2011.10.06 @ 02:30:00
End Date: 2011.10.06 @ 10:54:30
Job Ticket #: 18779 DST #: 4

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

Printed: 2011.10.06 @ 09:22:40

LB Exploration Larkin 14 14/32S/14W/Barber DST # 4 Marmaton/Massey 2011.10.06



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

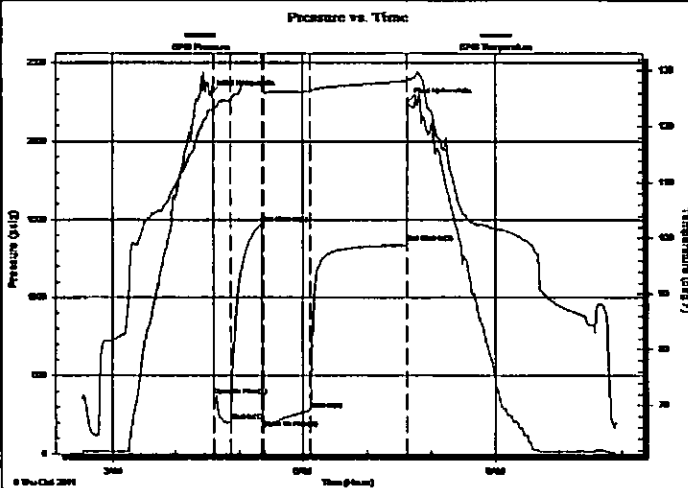
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18779 **DST#: 4**
 Test Start: 2011.10.06 @ 02:30:00

GENERAL INFORMATION:

Formation: **Marmaton/Massey**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: **04:36:30**
 Time Test Ended: **10:54:30**
 Interval: **4696.00 ft (KB) To 4754.00 ft (KB) (TVD)**
 Total Depth: **4754.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **2010.00 ft (KB)**
1997.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: 6748 **Outside**
 Press@RunDepth: **280.28 psig @ 4751.48 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.06** End Date: **2011.10.06** Last Calib.: **2011.10.06**
 Start Time: **02:30:00** End Time: **10:54:30** Time On Btm: **2011.10.06 @ 04:33:30**
 Time Off Btm: **2011.10.06 @ 07:39:00**

TEST COMMENT: 1ST Open 15 Minutes/Strong blow/Blow to bottom of bucket in 30 Seconds/Gas to surface in 5 minutes
 1ST Shut In 30 Minutes/Blow back built to 1 1/4 inch
 2ND Open 45 Minutes/Strong blow/Blow to bottom of bucket at open
 2ND Shut In 90 Minutes/Blow back built to bottom of bucket



PRESSURE SUMMARY

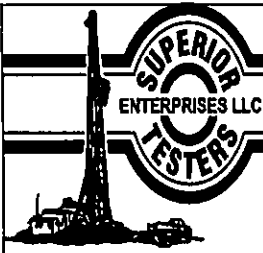
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.02	122.98	Initial Hydro-static
3	371.15	122.71	Open To Flow (1)
19	207.40	124.56	Shut-In(1)
48	1470.66	127.45	End Shut-In(1)
50	163.59	126.22	Open To Flow (2)
94	280.28	126.37	Shut-In(2)
185	1350.99	128.20	End Shut-In(2)
186	2255.82	128.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Gassy mud cut oily w water	2.63
0.00	Gas 15% Mud 20% Oil 25% Water 40%	0.00
180.00	Gassy oil cut w water	2.63
0.00	Gas 5% Oil 10% Water 85%	0.00
60.00	Oil and water cut gassy mud	0.88
0.00	Oil 10% Water 10% Mud 25% Gas 30%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)
First Gas Rate	1.00	5.01	148.06
Last Gas Rate	0.75	4.21	68.02
Max. Gas Rate	0.75	8.44	134.02



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

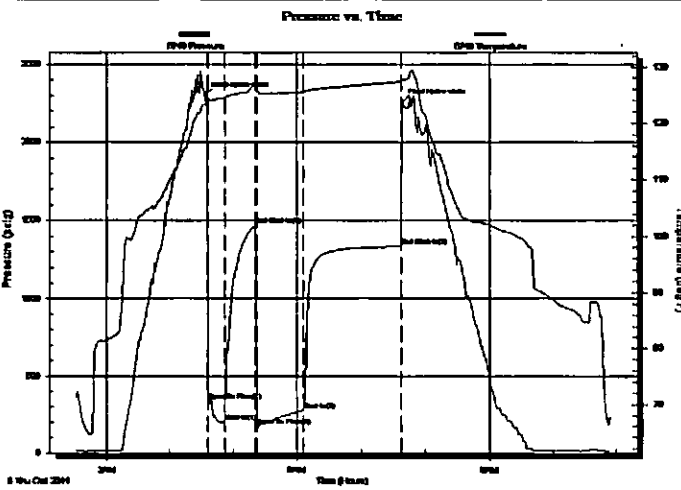
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18779 **DST#: 4**
 Test Start: 2011.10.06 @ 02:30:00

GENERAL INFORMATION:

Formation: **Marmaton/Massey**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **04:36:30** Tester: **Ken Swinney**
 Time Test Ended: **10:54:30** Unit No: **3325 Pratt/96**
 Interval: **4696.00 ft (KB) To 4754.00 ft (KB) (TVD)** Reference Elevations: **2010.00 ft (KB)**
 Total Depth: **4754.00 ft (KB) (TVD)** **1997.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **13.00 ft**

Serial #: 6749 Inside
 Press@RunDepth: **1337.07 psig @ 4750.48 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.06** End Date: **2011.10.06** Last Calib.: **2011.10.06**
 Start Time: **02:30:00** End Time: **10:54:30** Time On Btm: **2011.10.06 @ 04:33:30**
 Time Off Btm: **2011.10.06 @ 07:39:00**

TEST COMMENT: 1ST Open 15 Minutes/Strong blow/Blow to bottom of bucket in 30 Seconds/Gas to surface in 5 minutes
 1ST Shut In 30 Minutes/Blow back built to 1 1/4 inch
 2ND Open 45 Minutes/Strong blow/Blow to bottom of bucket at open
 2ND Shut In 90 Minutes/Blow back built to bottom of bucket



PRESSURE SUMMARY

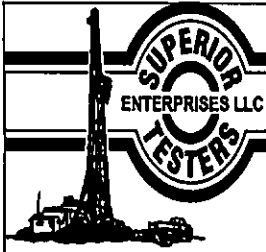
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2300.82	123.33	Initial Hydro-static
3	339.13	124.10	Open To Flow (1)
19	205.34	124.32	Shut-In(1)
48	1469.88	126.88	End Shut-In(1)
49	178.05	125.86	Open To Flow (2)
93	279.88	125.49	Shut-In(2)
184	1337.07	127.37	End Shut-In(2)
186	2254.97	127.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Gassy mud cut oily water	2.63
0.00	Gas 15% Mud 20% Oil 25% Water 40%	0.00
180.00	Gassy oil cut water	2.63
0.00	Gas 5% Oil 10% Water 85%	0.00
60.00	Oil and water cut gassy mud	0.88
0.00	Oil 10% Water 10% Mud 25% Gas 30%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)
First Gas Rate	1.00	5.01	148.06
Last Gas Rate	0.75	4.21	68.02
Max. Gas Rate	0.75	8.44	134.02



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
 Job Ticket: 18779 DST#: 4
 Test Start: 2011.10.06 @ 02:30:00

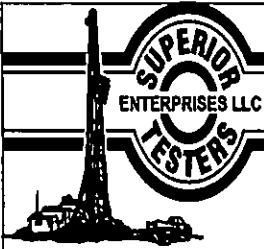
Tool Information

Drill Pipe:	Length: 4695.00 ft	Diameter: 3.88 inches	Volume: 68.66 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: 60000.00 lb
			Total Volume: 68.66 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.75 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4696.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.48 ft			
Tool Length:	87.23 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			4672.25	
Hydraulic tool	5.00			4677.25	
Change over sub	0.75			4678.00	
Jars	6.00			4684.00	
Safety Joint	2.00			4686.00	
Packer	5.00			4691.00	28.75 Bottom Of Top Packer
Packer	5.00			4696.00	
Anchor	0.00			4696.00	
change over sub	0.75			4696.75	
drill pipe	31.98			4728.73	
change over sub	0.75			4729.48	
anchor	20.00			4749.48	
Recorder	1.00	6749	Inside	4750.48	
Recorder	1.00	6748	Outside	4751.48	
bull plug	3.00			4754.48	58.48 Bottom Packers & Anchor

Total Tool Length: 87.23



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

Larkin 14

2135 2nd Road
Holyrood, Kansas 67460

14/32S/14W/Barber

Job Ticket: 18779

DST#: 4

ATTN: Steven Peterson

Test Start: 2011.10.06 @ 02:30:00

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Gassy mud cut oily water	2.632
0.00	Gas 15% Mud 20% Oil 25% Water 40%	0.000
180.00	Gassy oil cut water	2.632
0.00	Gas 5% Oil 10% Water 85%	0.000
60.00	Oil and water cut gassy mud	0.877
0.00	Oil 10% Water 10% Mud 25% Gas 30%	0.000

Total Length: 420.00 ft

Total Volume: 6.141 bbl

Num Fluid Samples: 0

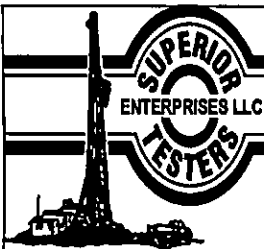
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

LB Exploration
2135 2nd Road
Holyrood, Kansas 67460
ATTN: Steven Peterson

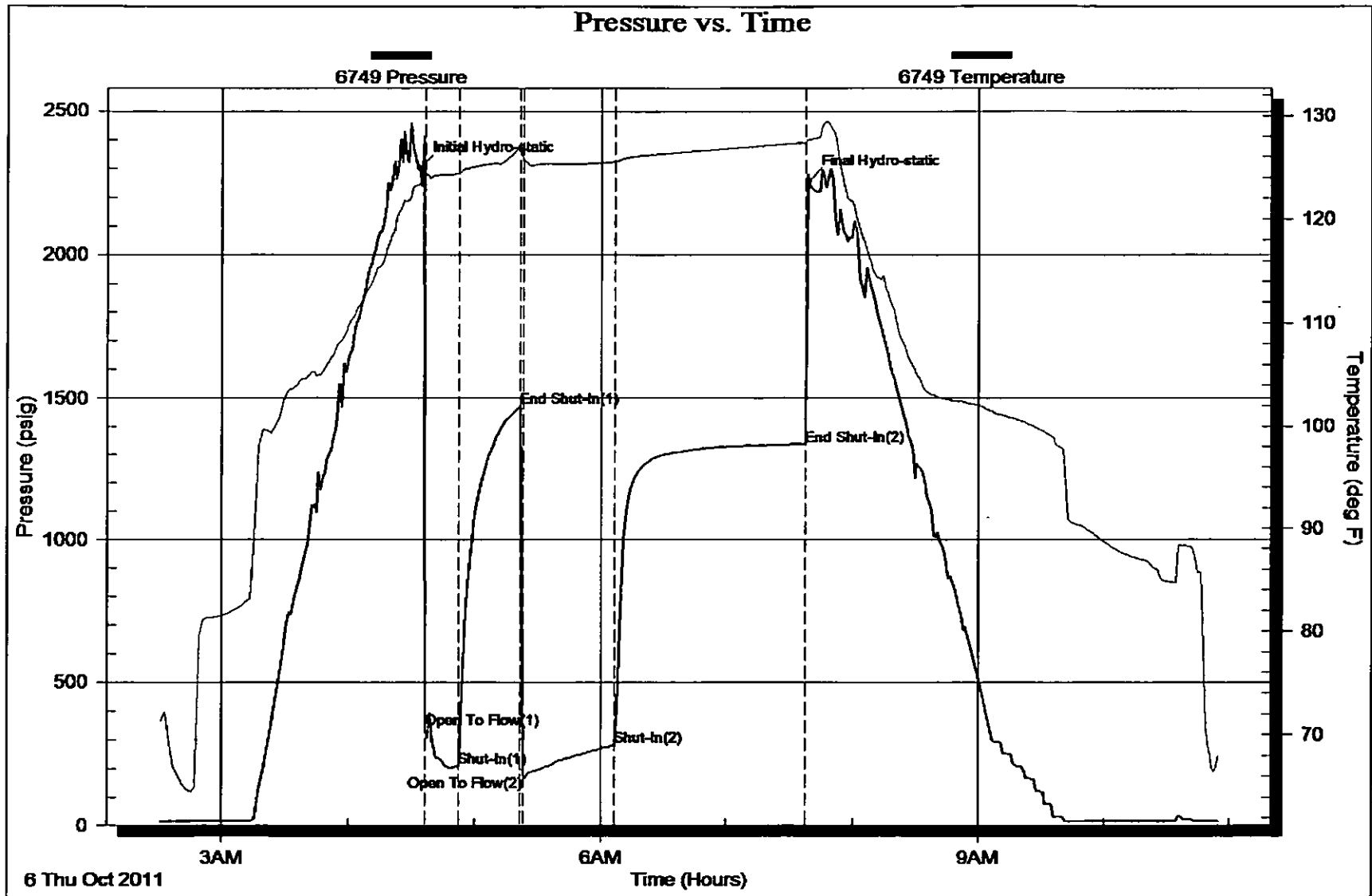
Larkin 14
14/32S/14W/Barber
Job Ticket: 18779 DST#: 4
Test Start: 2011.10.06 @ 02:30:00

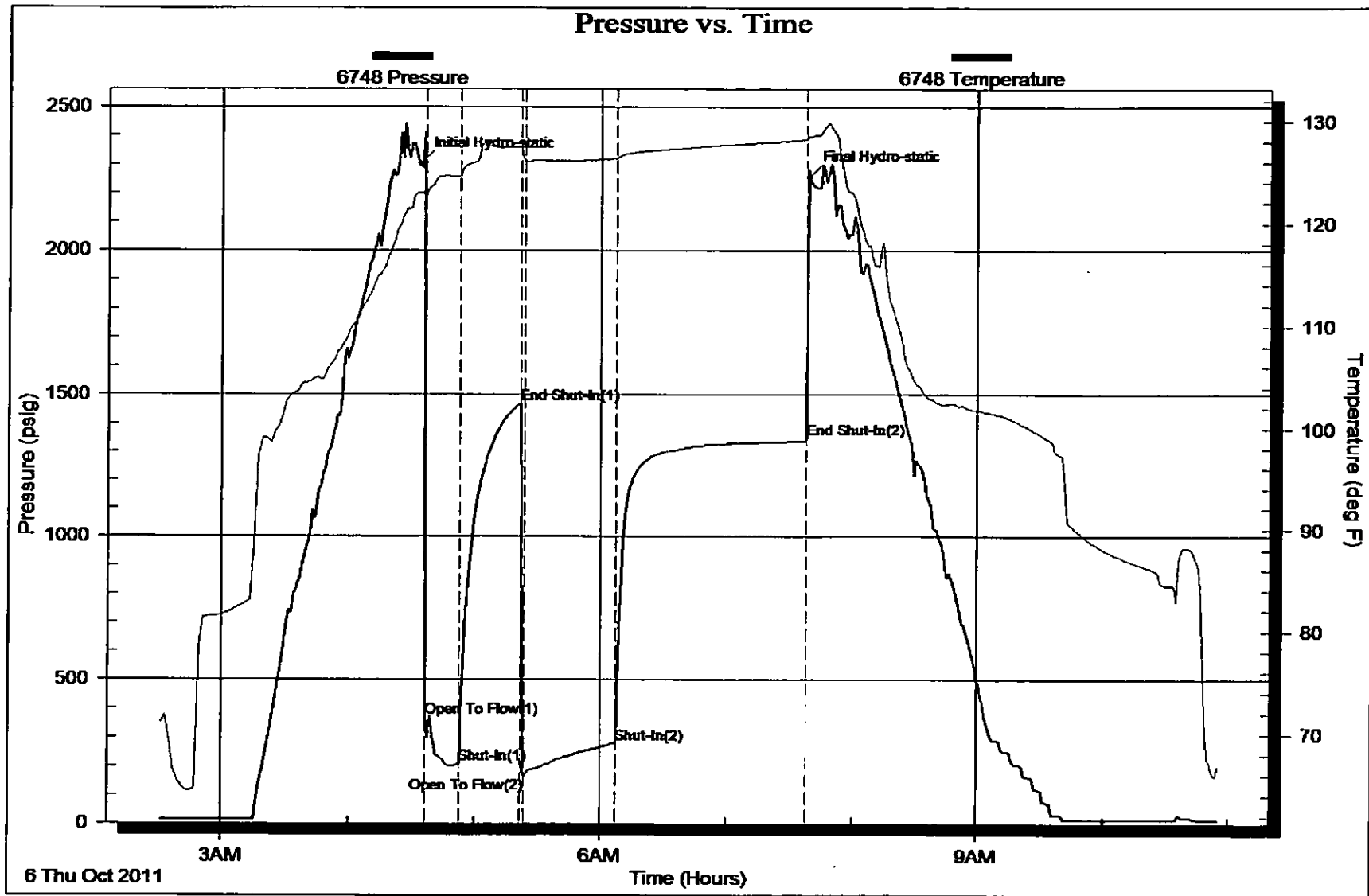
Gas Rates Information

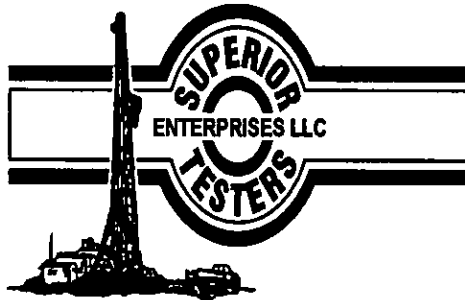
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	1.00	5.01	148.06
1	10	1.00	5.01	148.06
2	5	0.75	8.44	134.02
2	10	0.75	8.19	130.03
2	20	0.75	5.75	92.00
2	30	0.75	4.21	68.02







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**
2135 2nd Road
Holyrood, Kansas 67460

ATTN: Steven Peterson

14/32S/14W/Barber

Larkin 14

Start Date: 2011.10.06 @ 22:39:00
End Date: 2011.10.07 @ 05:38:00
Job Ticket #: 18780 DST #: 5

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

Printed: 2011.10.07 @ 03:50:06

LB Exploration
Larkin 14
14/32S/14W/Barber
DST # 5
Mississippian
2011.10.06



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

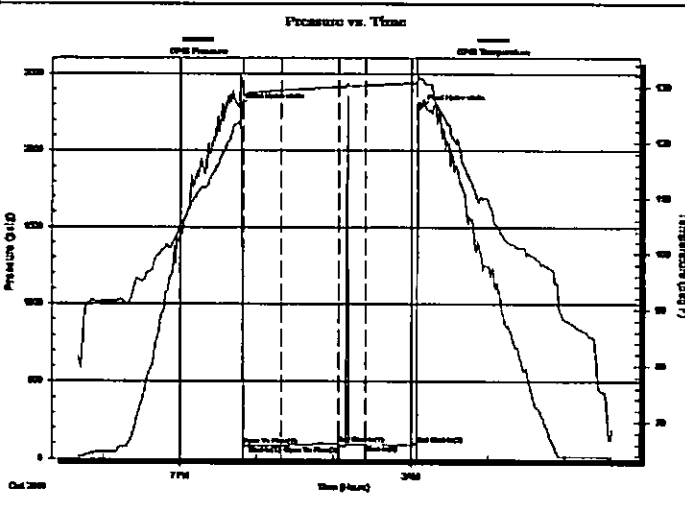
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18780 **DST#: 5**
 Test Start: 2011.10.06 @ 22:39:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 00:49:30
 Time Test Ended: 05:38:00
 Interval: **4746.00 ft (KB) To 4796.00 ft (KB) (TVD)**
 Total Depth: **4796.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **2010.00 ft (KB)**
 1997.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: 6748 **Outside**
 Press@RunDepth: **89.13 psig @ 4793.48 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.06** End Date: **2011.10.07** Last Calib.: **2011.10.07**
 Start Time: **22:39:00** End Time: **05:38:00** Time On Btrr: **2011.10.07 @ 00:47:00**
 Time Off Btrr: 2011.10.07 @ 03:07:30

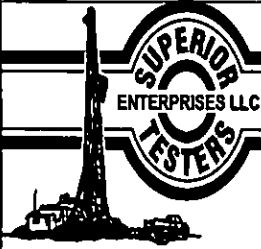
TEST COMMENT: 1ST Open 30 Minutes/Fair blow /Blow built to 5 inches/Died back to 4 inches
 1ST Shut In 45 Minutes/No blow back
 2ND Open 20 Mintues/No blow /Flush tool/Didnt help
 2ND Shut In 40 Minutes/No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.77	123.51	Initial Hydro-static
3	87.09	128.15	Open To Flow (1)
32	86.66	129.41	Shut-In(1)
77	99.60	130.03	End Shut-In(1)
77	86.98	130.03	Open To Flow (2)
98	89.13	130.29	Shut-In(2)
138	94.36	130.76	End Shut-In(2)
141	2278.12	131.57	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
70.00	Mud 100%	1.02

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

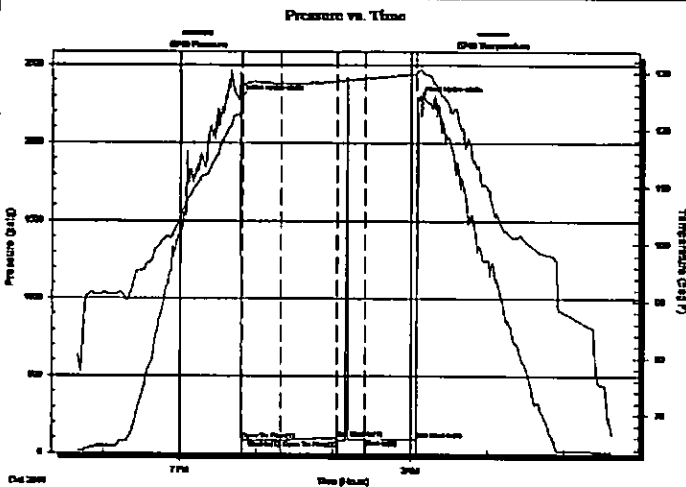
Larkin 14
 14/32S/14W/Barber
 Job Ticket: 18780 DST#: 5
 Test Start: 2011.10.06 @ 22:39:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **00:49:30**
 Time Test Ended: **05:38:00**
 Interval: **4746.00 ft (KB) To 4796.00 ft (KB) (TVD)**
 Total Depth: **4796.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **2010.00 ft (KB)**
1997.00 ft (CF)
 KB to GR/CF: **13.00 ft**

Serial #: **6749** Inside
 Press@RunDepth: **93.00 psig @ 4792.48 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2011.10.06** End Date: **2011.10.07** Last Calib.: **2011.10.07**
 Start Time: **22:39:00** End Time: **05:38:00** Time On Btm: **2011.10.07 @ 00:46:30**
 Time Off Btm: **2011.10.07 @ 03:06:00**

TEST COMMENT: 1ST Open 30 Minutes/Fair blow /Blow built to 5 inches/Died back to 4 inches
 1ST Shut In 45 Minutes/No blow back
 2ND Open 20 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 40 Minutes/No blow back



PRESSURE SUMMARY

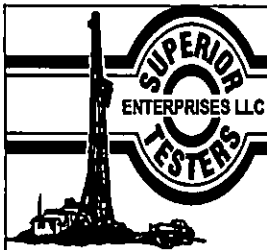
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.81	122.60	Initial Hydro-static
3	85.42	126.78	Open To Flow (1)
33	85.64	127.92	Shut-In(1)
77	98.54	128.39	End Shut-In(1)
77	85.56	128.40	Open To Flow (2)
98	87.49	128.83	Shut-In(2)
138	93.00	129.66	End Shut-In(2)
140	2273.88	130.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud 100%	1.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mc/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
 Job Ticket: 18780 DST#: 5
 Test Start: 2011.10.06 @ 22:39:00

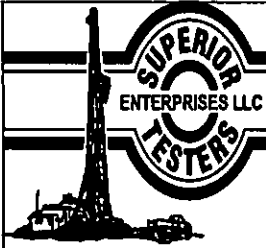
Tool Information

Drill Pipe:	Length: 4733.00 ft	Diameter: 3.88 inches	Volume: 69.22 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: 90000.00 lb
			<u>Total Volume: 69.22 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	15.75 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4746.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.48 ft			
Tool Length:	79.23 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			4722.25	
Hydraulic tool	5.00			4727.25	
Change over sub	0.75			4728.00	
Jars	6.00			4734.00	
Safety Joint	2.00			4736.00	
Packer	5.00			4741.00	28.75 Bottom Of Top Packer
Packer	5.00			4746.00	
Anchor	0.00			4746.00	
change over sub	0.75			4746.75	
drill pipe	31.98			4778.73	
change over sub	0.75			4779.48	
anchor	12.00			4791.48	
Recorder	1.00	6749	Inside	4792.48	
Recorder	1.00	6748	Outside	4793.48	
bull plug	3.00			4796.48	50.48 Bottom Packers & Anchor

Total Tool Length: 79.23



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

Larkin 14

2135 2nd Road
Holyrood, Kansas 67460

14/32S/14W/Barber

Job Ticket: 18780

DST#: 5

ATTN: Steven Peterson

Test Start: 2011.10.06 @ 22:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
70.00	Mud 100%	1.024

Total Length: 70.00 ft

Total Volume: 1.024 bbl

Num Fluid Samples: 0

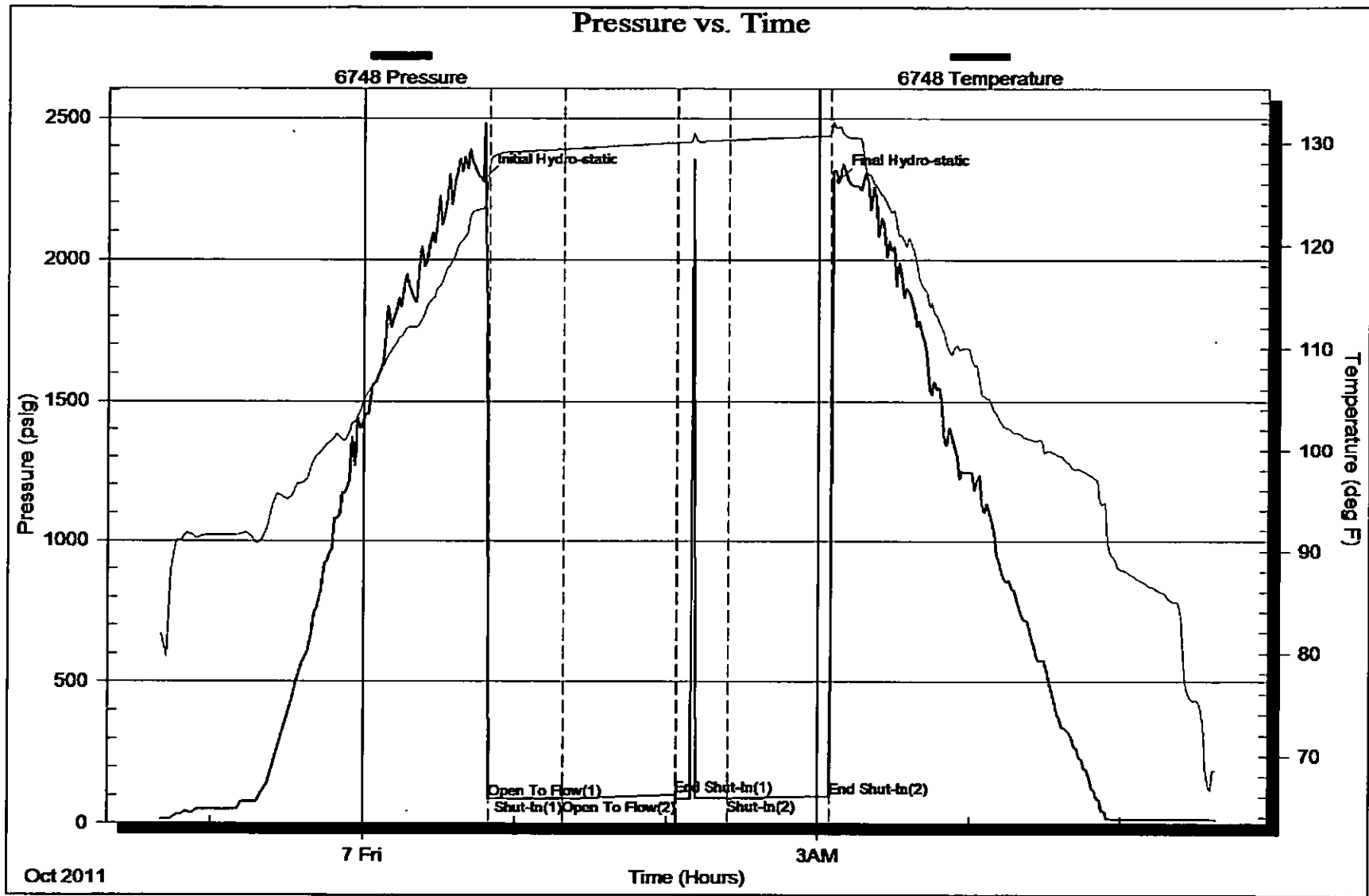
Num Gas Bombs: 0

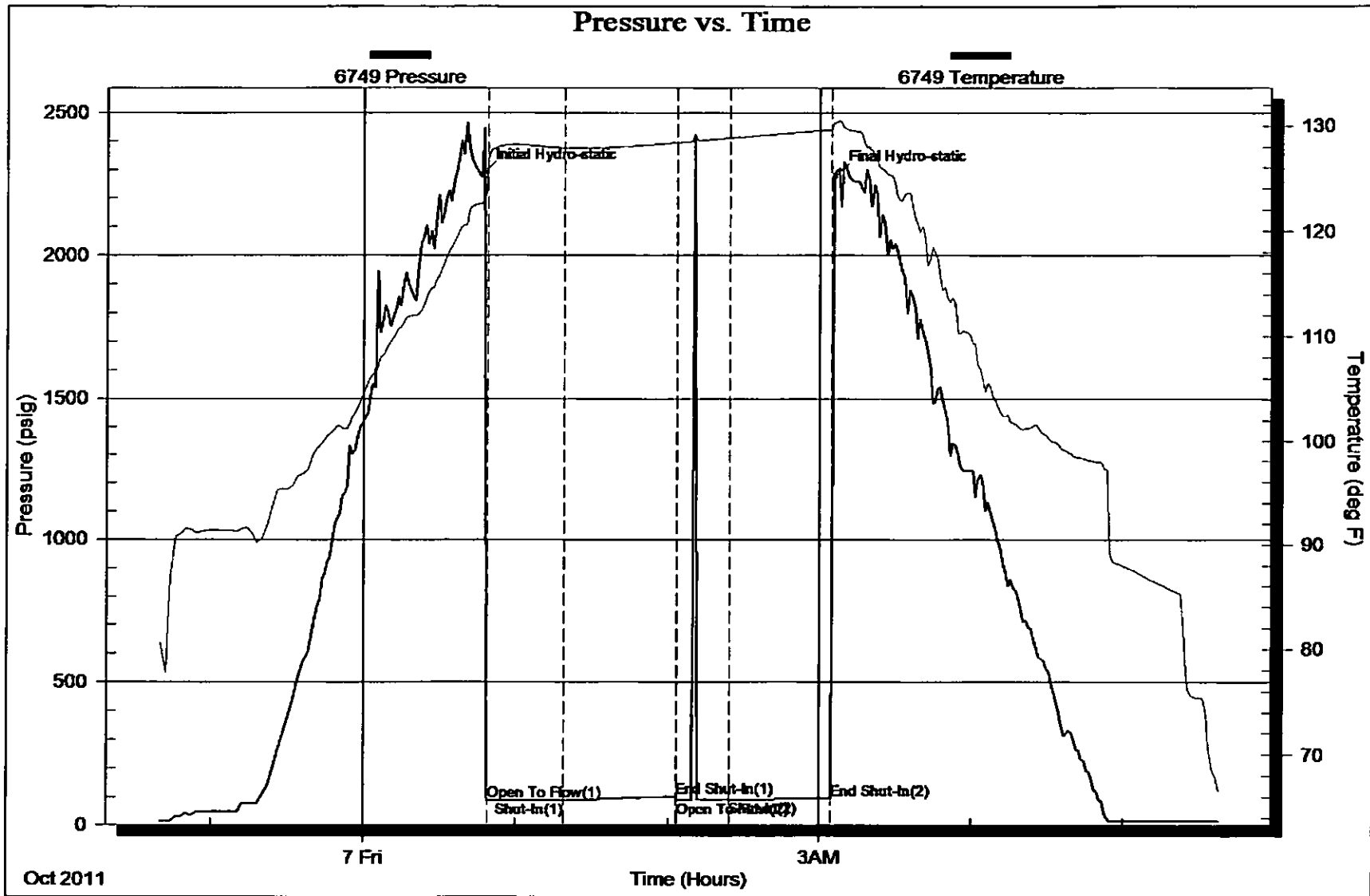
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**
2135 2nd Road
Holyrood, Kansas 67460

ATTN: Steven Peterson

14/32S/14W/Barber

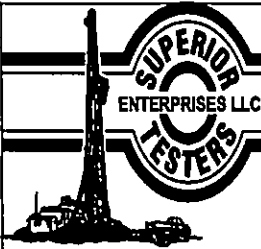
Larkin 14

Start Date: 2011.10.08 @ 17:33:00
End Date: 2011.10.09 @ 04:46:00
Job Ticket #: 18781 DST #: 6

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

Printed: 2011.10.09 @ 03:10:18

LB Exploration Larkin 14 14/32S/14W/Barber DST # 6 Simpson 2011.10.08



DRILL STEM TEST REPORT

LB Exploration
2135 2nd Road
Holyrood, Kansas 67460
ATTN: Steven Peterson

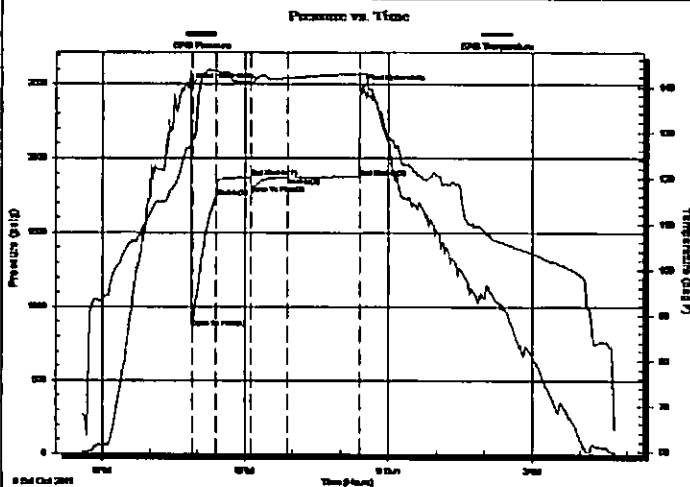
Larkin 14
14/32S/14W/Barber
Job Ticket: 18781 DST#: 6
Test Start: 2011.10.08 @ 17:33:00

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:53:30
Time Test Ended: 04:46:00
Interval: **5099.00 ft (KB) To 5185.00 ft (KB) (TVD)**
Total Depth: 5185.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2010.00 ft (KB)
1997.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: **6748** Outside
Press@RunDepth: 1870.83 psig @ 5182.49 ft (KB) Capacity: 5000.00 psig
Start Date: 2011.10.08 End Date: 2011.10.09 Last Calib.: 2011.10.09
Start Time: 17:33:00 End Time: 04:46:00 Time On Btrn: 2011.10.08 @ 19:50:00
Time Off Btrn: 2011.10.08 @ 23:25:00

TEST COMMENT: 1ST Open 30 Minutes/Strong blow/Blow to bottom of bucket in 1 minute/Gas to surface in 15 minutes
1ST Shut In 45 Minutes/Blow back built to 5 inches
2ND Open 45 Minutes/Strong blow/Blow to bottom of bucket in 1 minute
2ND Shut In 90 Minutes/Weak surface



PRESSURE SUMMARY

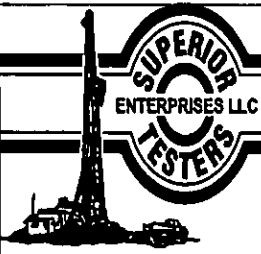
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2478.04	126.67	Initial Hydro-static
4	856.24	128.09	Open To Flow (1)
34	1737.49	143.46	Shut-In(1)
78	1871.60	140.81	End Shut-In(1)
78	1759.26	140.75	Open To Flow (2)
124	1870.83	141.75	Shut-In(2)
214	1874.48	142.66	End Shut-In(2)
215	2464.10	142.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3784.00	Gassy muddy water	55.34
0.00	Gas 5% Mud 5% Water 90%	0.00
60.00	Mud 100%	0.88
0.00	Recovery Chlorides 55000 ppm	0.00
0.00	Resistivity .18 at 60 degrees	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.73	7.73
Last Gas Rate	0.13	1.25	0.52
Max. Gas Rate	0.25	4.73	7.73



DRILL STEM TEST REPORT

LB Exploration
2135 2nd Road
Holyrood, Kansas 67460
ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
Job Ticket: 18781 DST#: 6
Test Start: 2011.10.08 @ 17:33:00

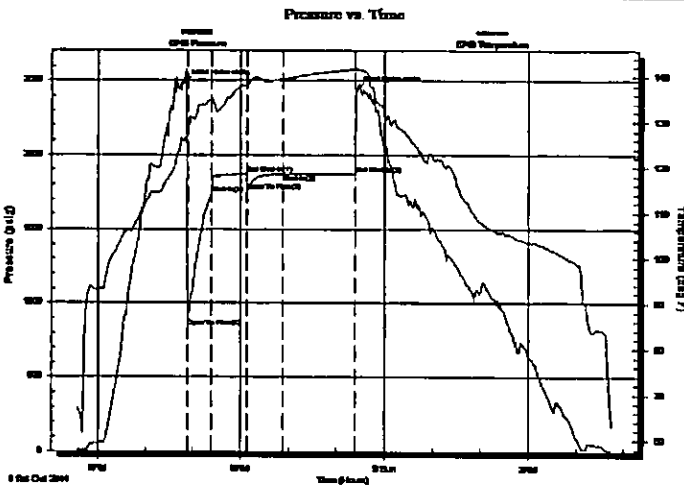
GENERAL INFORMATION:

Formation: **Simpson**
Devlated: No Whipstock: ft (KB)
Time Tool Opened: 19:53:30
Time Test Ended: 04:46:00
Interval: **5099.00 ft (KB) To 5185.00 ft (KB) (TVD)**
Total Depth: **5185.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Reference Elevations: **2010.00 ft (KB)**
1997.00 ft (CF)
KB to GR/CF: **13.00 ft**

Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Ken Swinney**
Unit No: **3325 Pratt/96**

Serial #: **6749** Inside
Press@RunDepth: **1872.20 psig @ 5181.49 ft (KB)** Capacity: **5000.00 psig**
Start Date: **2011.10.08** End Date: **2011.10.09** Last Calib.: **2011.10.09**
Start Time: **17:33:00** End Time: **04:45:50** Time On Btm: **2011.10.08 @ 19:49:30**
Time Off Btm: **2011.10.08 @ 23:25:30**

TEST COMMENT: 1ST Open 30 Mintues/Strong blow /Blow to bottom of bucket in 1 minute/Gas to surface in 15 minutes
1ST Shut In 45 Minutes/Blow back built to 5 inches
2ND Open 45 Minutes/Strong blow /Blow to bottom of bucket in 1 minute
2ND Shut In 90 Minutes/Weak surface



PRESSURE SUMMARY

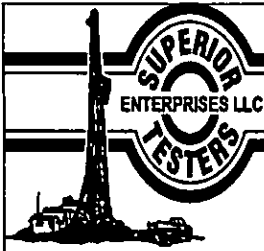
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2484.51	125.91	Initial Hydro-static
4	835.25	127.08	Open To Flow (1)
34	1737.63	135.09	Shut-In(1)
78	1870.27	138.02	End Shut-In(1)
79	1758.19	138.01	Open To Flow (2)
124	1869.61	139.41	Shut-In(2)
214	1872.20	141.71	End Shut-In(2)
216	2441.68	141.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3784.00	Gassy muddy w ater	55.34
0.00	Gas 5% Mud 5% Water 90%	0.00
60.00	Mud 100%	0.88
0.00	Recovery Chlorides 55000 ppm	0.00
0.00	Resistivity .18 at 60 degrees	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.73	7.73
Last Gas Rate	0.13	1.25	0.52
Max. Gas Rate	0.25	4.73	7.73



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
 Job Ticket: 18781 **DST#: 6**
 Test Start: 2011.10.08 @ 17:33:00

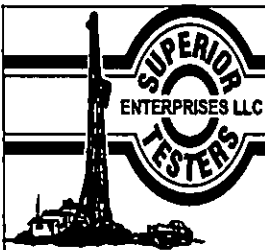
Tool Information

Drill Pipe:	Length: 5078.00 ft	Diameter: 3.88 inches	Volume: 74.26 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: 70000.00 lb
			Total Volume: 74.26 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.75 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	5099.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.49 ft			
Tool Length:	115.24 ft			
Number of Packers:	2	Diameter:	6.75 inches	

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in tool	5.00			5075.25	
Hydraulic tool	5.00			5080.25	
Change over sub	0.75			5081.00	
Jars	6.00			5087.00	
Safety Joint	2.00			5089.00	
Packer	5.00			5094.00	28.75 Bottom Of Top Packer
Packer	5.00			5099.00	
Anchor	0.00			5099.00	
change over sub	0.75			5099.75	
drill pipe	63.99			5163.74	
change over sub	0.75			5164.49	
anchor	16.00			5180.49	
Recorder	1.00	6749	Inside	5181.49	
Recorder	1.00	6748	Outside	5182.49	
bull plug	3.00			5185.49	86.49 Bottom Packers & Anchor

Total Tool Length: 115.24



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration
 2135 2nd Road
 Holyrood, Kansas 67460
 ATTN: Steven Peterson

Larkin 14
 14/32S/14W/Barber
 Job Ticket: 18781 DST#: 6
 Test Start: 2011.10.08 @ 17:33:00

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: 18.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

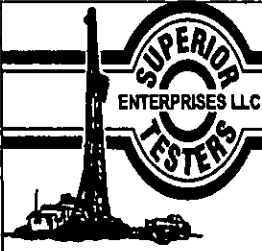
Length ft	Description	Volume bbl
3784.00	Gassy muddy water	55.338
0.00	Gas 5% Mud 5% Water 90%	0.000
60.00	Mud 100%	0.877
0.00	Recovery Chlorides 55000 ppm	0.000
0.00	Resistivity .18 at 60 degrees	0.000

Total Length: 3844.00 ft Total Volume: 56.215 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: After 20 minutes in second open gas flow to low to guage



DRILL STEM TEST REPORT

GAS RATES

LB Exploration
2135 2nd Road
Holyrood, Kansas 67460
ATTN: Steven Peterson

Larkin 14
14/32S/14W/Barber
Job Ticket: 18781 **DST#: 6**
Test Start: 2011.10.08 @ 17:33:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.25	4.73	7.73
1	30	0.25	3.25	5.38
2	10	0.13	4.30	1.66
2	20	0.13	1.25	0.52

