



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



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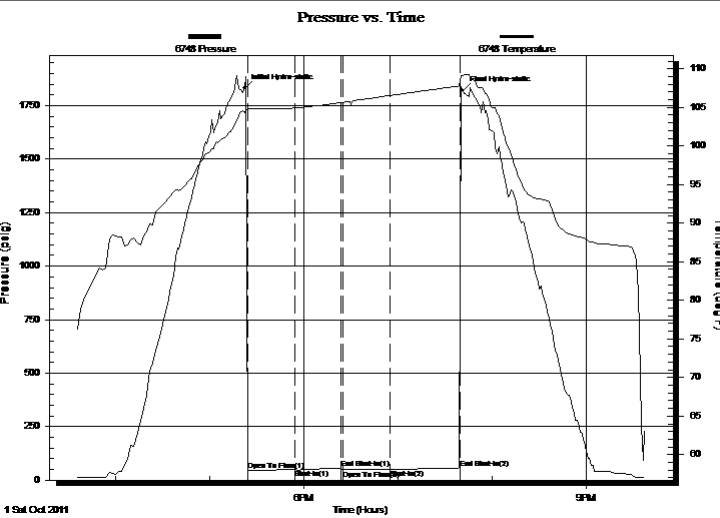
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18776 **DST#: 1**
 Test Start: 2011.10.01 @ 15:35:00

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 @ Run Depth: 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 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	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 (Mcf/d)



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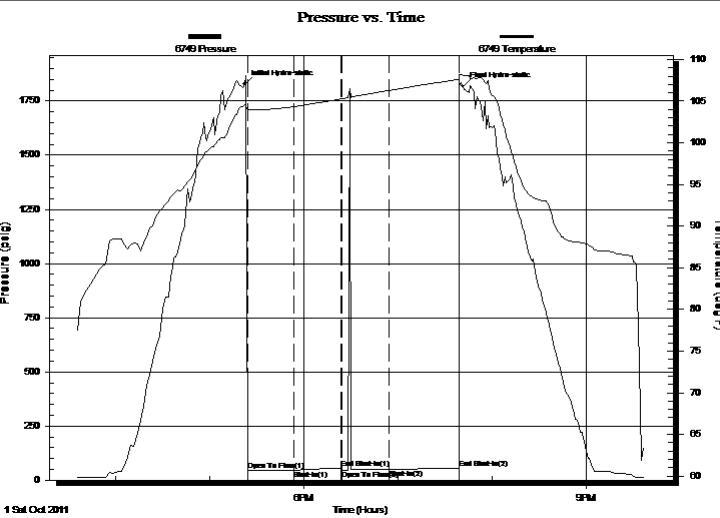
Larkin 14
14/32S/14W/Barber
 Job Ticket: 18776 **DST#: 1**
 Test Start: 2011.10.01 @ 15:35:00

GENERAL INFORMATION:

Formation: **Shawnee**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 17:24:30 Tester: Ken Swinney
 Time Test Ended: 21:38:00 Unit No: 3325 Pratt/96
 Interval: **3820.00 ft (KB) To 3860.00 ft (KB) (TVD)** Reference Elevations: 2010.00 ft (KB)
 Total Depth: 3860.00 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 @ Run Depth: 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
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 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

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



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FLUID SUMMARY

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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:

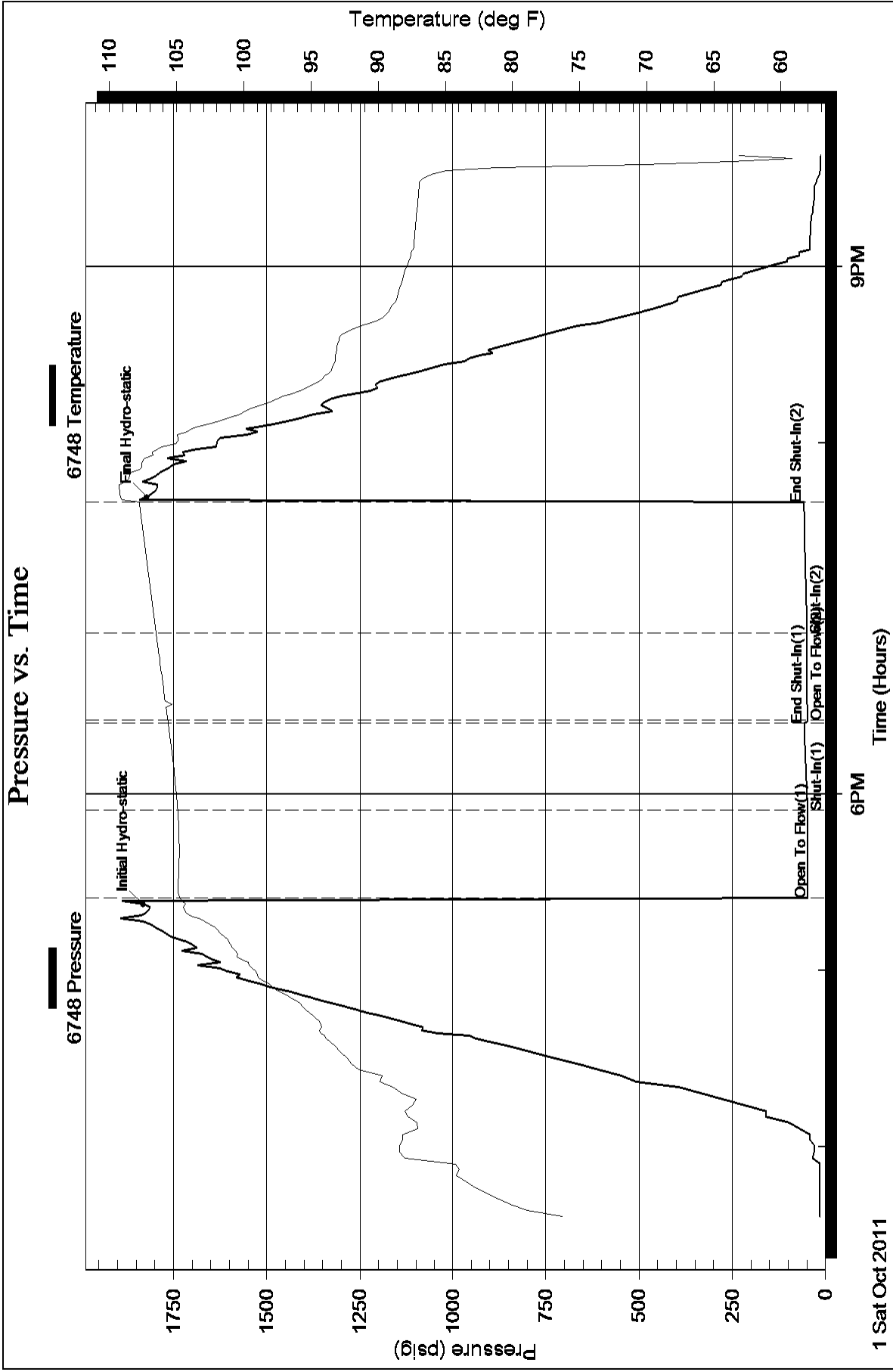
Recovery Comments:

Serial #: 6748

Outside LB Exploration

14/32S/14W/Barber

DST Test Number: 1



Pressure vs. Time

