



KANSAS CORPORATION COMMISSION 1099015
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: _____



1099015

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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
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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) (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	Palmer 30 1
Doc ID	1099015

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Borehole Compensated Sonic

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5285

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date <u>8-27-11</u>	Sec. <u>30</u>	Twp. <u>32</u>	Range <u>13</u>	County <u>BARBER</u>	State <u>Ks</u>	On Location	Finish <u>12:00 AM</u>
Lease <u>Palmer 30</u>		Well No. <u>1</u>		Location <u>Med Lodge Ks W on 160 to MM 217</u>			
Contractor <u>HINWESCON Dels.</u>				Owner <u>AS E'N Dnto</u>			
Type Job <u>Surface</u>				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size <u>12 1/4</u>		T.D. <u>270</u>		Charge To <u>LB Expl. Inc</u>			
Csg. <u>8 3/8 23'</u>		Depth <u>209 30</u>		Tbg. Size			
Tbg. Size		Depth		Street			
Tool		Depth		City			
Cement Left in Csg.		Shoe Joint <u>15</u>		State			
Meas Line		Displace <u>13.9</u>		The above was done to satisfaction and supervision of owner agent or contractor.			
				Cement Amount Ordered <u>290 x 60/40 P2</u>			
EQUIPMENT				<u>26 Gal 3% CC 1/4" CF</u>			
Pumptrk <u>9</u>	No. <u>7005</u>			Common <u>150</u>			
Bulktrk <u>4</u>	No. <u>12001</u>			Poz. Mix <u>100</u>			
Bulktrk	No.			Gel. <u>4</u>			
Pickup	No. <u>0009</u>			Calcium <u>B</u>			
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal <u>63</u>			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<u>Run 6 1/2" 8 3/8 23' csg.</u>				Sand			
<u>MTX! Pump 250 x 60/40 P2</u>				Handling <u>262</u>			
<u>26 Gal 3% CC 1/4" CF</u>				Mileage <u>15</u>			
<u>K. 7 1/4" 1.25 1/3</u>				FLOAT EQUIPMENT			
<u>Release Plug</u>				Guide Shoe			
				Centralizer			
				Baskets			
<u>Disp 15.9, 12 1/4 1/2</u>				AFU Inserts			
<u>Close Valve on Csg</u>				Float Shoe			
<u>Good Circ then JO3</u>				Latch Down			
<u>Circ out to PIT</u>				<u>1 Wooden Plug</u>			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>15</u>			
Thanks Todd Bryant - DWS Signature <u>Tony J. Curran</u>				Tax			
				Discount			
				Total Charge			

BASIC

energy services, L.P.

TREATMENT REPORT

Customer	L.B. EXPLORATION	Lease No.		Date	9-5-2011
Lease	PALMER	Well #	30-1 TD-7		
Field Order #	4149	Station	PRATT, KS.	Casing	5 1/2" x 14"
				Depth	5160'
Type Job	(NW)-5 1/2" L.S. w/PORTCULLAR		Formation		Legal Description
					30-32-13

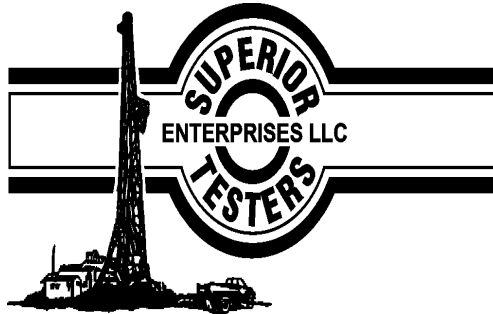
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	From	To	Acid	RATE	PRESS	ISIP
5 1/2"			0111		2855SK AA2			5 Min.
Depth	Depth	From	To	Pre Pad		Max		10 Min.
5137.70'				12.136 CUFF ³		Min		15 Min.
Volume	Volume	From	To	Pad		Avg		Annulus Pressure
143.3588						HHP Used		Total Load
Max Press	Max Press	From	To	Frac		Gas Volume		
1500								
Well Connection	Annulus Vol.	From	To	Flush	124.3 BBL			
P.C.								
Plug Depth	Packer Depth	From	To					
5042.63								

Customer Representative	MICHAEL PETERMAN	Station Manager	D. SCOTT	Treater	K. LESLEY
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Service Units	19870	19889	19842	19960	19918				
Driver Names	LESLEY	LAWRENCE	PIBBSON	PHYE					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00 PM					ON LOCATION - SAFETY MEETING
7:30 PM					RUN 5 1/2" x 14" CSG.
					TURBO - 1, 3, 4, 6, 7, 13, 14, 15, 20, 26, 27, 28, 32, 33, 50, 53, 54, 56, 58, 60
					BASKET - 12, 17, 30, 48
					PORTCULLAR - 49
11:06 PM					CSG. ON BOTTOM
11:15 PM					HOOK UP TO CSG. / BREAK CIRC. w/ RIG
12:50 AM	200		12	6	MUDFLUSH
12:55 AM	100		69	6	MIX 2855SK AA2 @ 15.3 PPG
1:10 AM					CLEAR PUMP & LINE / DROP PLUG
1:18 AM	0		0	7	START DISPLACEMENT
1:28 AM	300		72	6	LIFT PRESSURE
1:34 AM	1000		100	5	SLOW RATE
1:40 AM	1500		124	4	PLUG DOWN - HELD
			6, 4		PLUG R.H. & H.H. 11, 23, 41
					CIRC. THRU JOB
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY

Taylor Printing, Inc. 620-672-3656



DRILL STEM TEST REPORT

Prepared For: **LB Exploration LLC**

2135 2ND Road
Holyrood, Kansas 67460

ATTN: Kurt Talbott

30/32S/13W/Barber

Palmer 30 #1

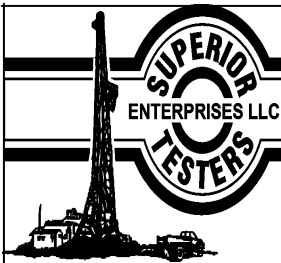
Start Date: 2011.08.31 @ 15:00:00

End Date: 2011.08.31 @ 23:01:00

Job Ticket #: 15842 DST #: 1

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

Printed: 2011.08.31 @ 21:18:23



DRILL STEM TEST REPORT

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15842 **DST#: 1**
 Test Start: 2011.08.31 @ 15:00:00

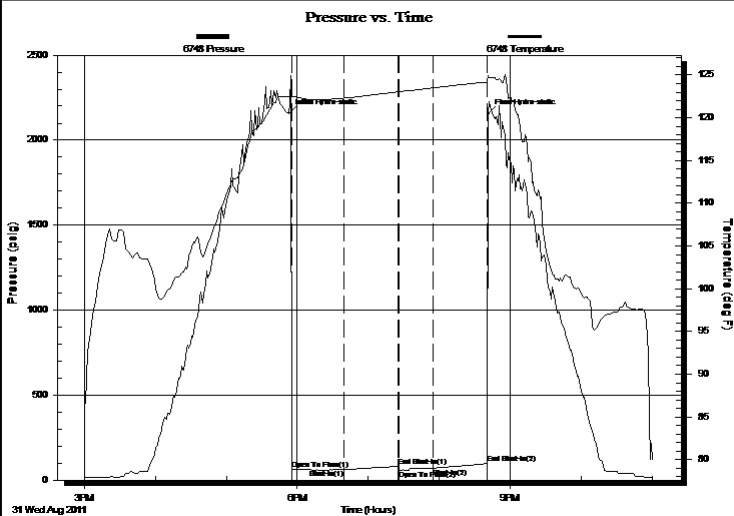
GENERAL INFORMATION:

Formation: Marmaton	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Ken Swinney
Time Tool Opened: 17:55:30	Unit No: 3325 Pratt/80
Time Test Ended: 23:01:00	Reference Elevations: 1820.00 ft (KB)
Interval: 4460.00 ft (KB) To 4525.00 ft (KB) (TVD)	1807.00 ft (CF)
Total Depth: 4525.00 ft (KB) (TVD)	KB to GR/CF: 13.00 ft
Hole Diameter: 7.75 inches	Hole Condition: Fair

Serial #: 6748 Outside

Press @ Run Depth: 72.06 psig @ 4521.78 ft (KB)	Capacity: 5000.00 psig
Start Date: 2011.08.31 End Date: 2011.08.31	Last Calib.: 2011.08.31
Start Time: 15:00:00 End Time: 23:01:00	Time On Btm: 2011.08.31 @ 17:53:00
	Time Off Btm: 2011.08.31 @ 20:41:30

TEST COMMENT: 1ST Open 45 Minutes/Weak blow /Blow built just below surface/Blow died in 35 minutes
 1ST Shut In 45 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

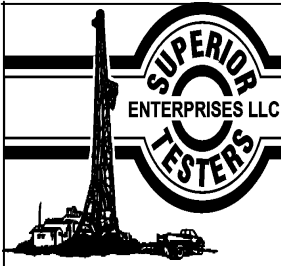
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.48	122.52	Initial Hydro-static
3	62.72	122.44	Open To Flow (1)
47	63.02	122.31	Shut-In(1)
92	81.08	123.04	End Shut-In(1)
93	58.47	123.05	Open To Flow (2)
122	72.06	123.51	Shut-In(2)
168	97.21	124.19	End Shut-In(2)
169	2155.97	124.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.22

Gas Rates

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



DRILL STEM TEST REPORT

LB Exploration LLC

Palmer 30 #1

2135 2ND Road
Holyrood, Kansas 67460

30/32S/13W/Barber

Job Ticket: 15842

DST#: 1

ATTN: Kurt Talbott

Test Start: 2011.08.31 @ 15:00:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:55:30

Time Test Ended: 23:01:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Pratt/80

Interval: **4460.00 ft (KB) To 4525.00 ft (KB) (TVD)**

Reference Elevations: 1820.00 ft (KB)

Total Depth: 4525.00 ft (KB) (TVD)

1807.00 ft (CF)

Hole Diameter: 7.75 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6749

Inside

Press @ Run Depth: 98.22 psig @ 4520.78 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.08.31

End Date: 2011.08.31

Last Calib.: 2011.08.31

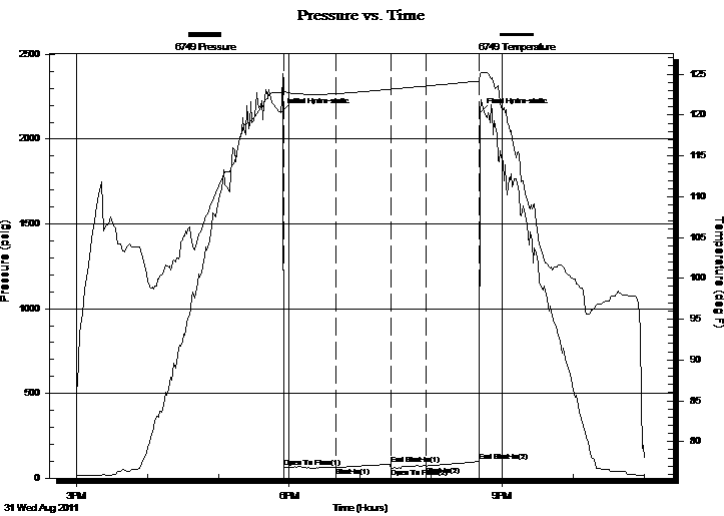
Start Time: 15:00:00

End Time: 23:01:00

Time On Btm: 2011.08.31 @ 17:53:00

Time Off Btm: 2011.08.31 @ 20:41:30

TEST COMMENT: 1ST Open 45 Minutes/Weak blow /Blow built just below surface/Blow died in 35 minutes
 1ST Shut In 45 Mintues/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

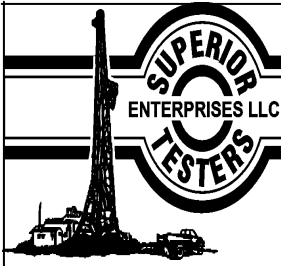
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.38	122.70	Initial Hydro-static
3	63.53	122.88	Open To Flow (1)
47	64.07	122.61	Shut-In(1)
93	82.25	123.17	End Shut-In(1)
93	59.13	123.16	Open To Flow (2)
123	72.28	123.56	Shut-In(2)
168	98.22	124.16	End Shut-In(2)
169	2156.98	124.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.22

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15842 **DST#: 1**
 Test Start: 2011.08.31 @ 15:00:00

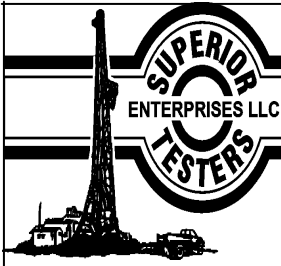
Tool Information

Drill Pipe:	Length: 4445.00 ft	Diameter: 3.88 inches	Volume: 65.00 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 65.00 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	13.75 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4460.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.78 ft			
Tool Length:	93.53 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			4436.25	
Hydraulic tool	5.00			4441.25	
Change over sub	0.75			4442.00	
Jars	6.00			4448.00	
Safety Joint	2.00			4450.00	
Packer	5.00			4455.00	28.75 Bottom Of Top Packer
Packer	5.00			4460.00	
Anchor	5.00			4465.00	
change over sub	0.75			4465.75	
drill pipe	31.28			4497.03	
change over sub	0.75			4497.78	
anchor	22.00			4519.78	
Recorder	1.00	6749	Inside	4520.78	
Recorder	1.00	6748	Outside	4521.78	
bull plug	3.00			4524.78	64.78 Bottom Packers & Anchor

Total Tool Length: 93.53



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15842 **DST#: 1**
 Test Start: 2011.08.31 @ 15:00:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.219

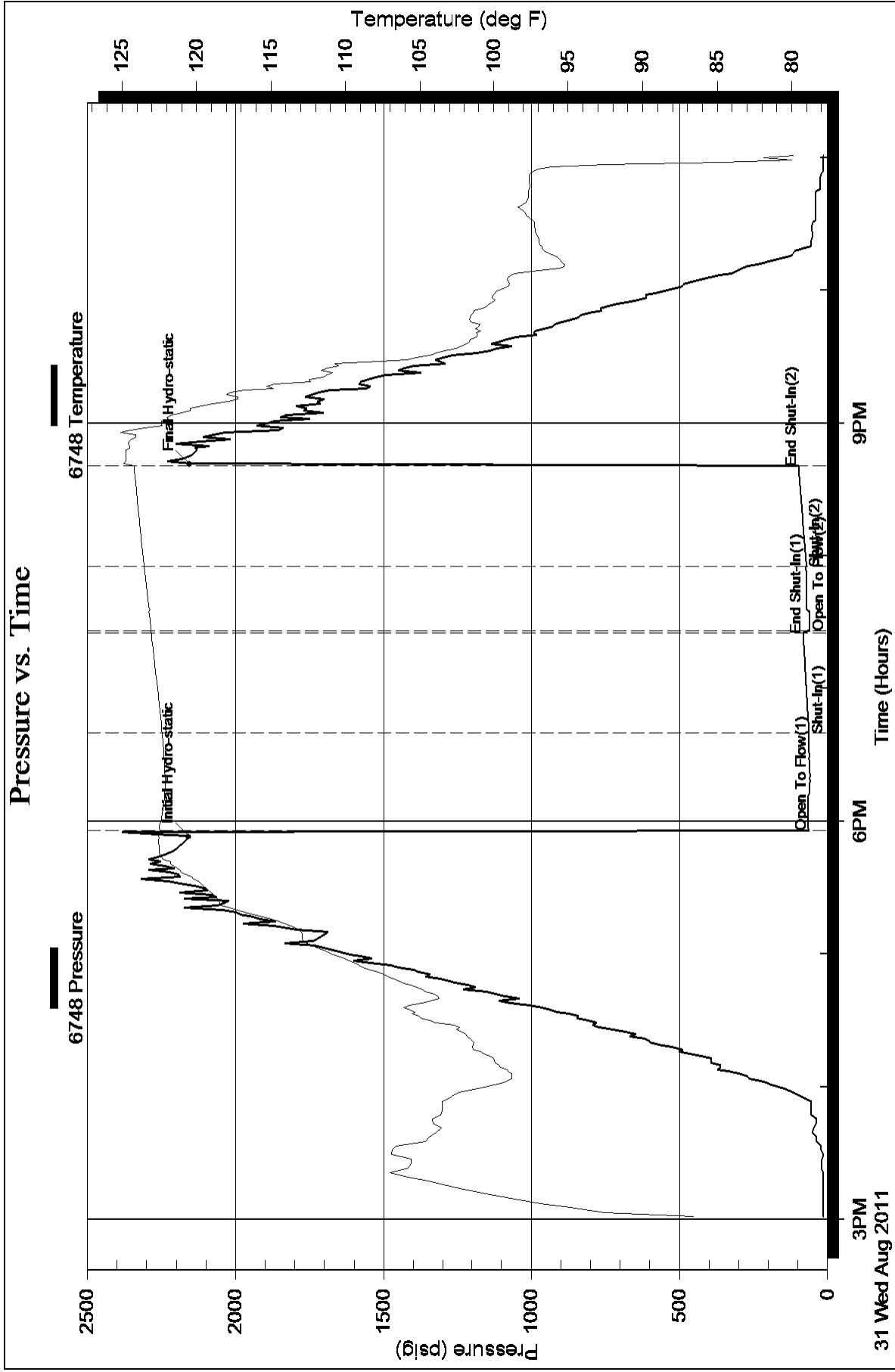
Total Length: 15.00 ft Total Volume: 0.219 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6748

Outside LB Exploration LLC

30/32S/13W/Barber

DST Test Number: 1



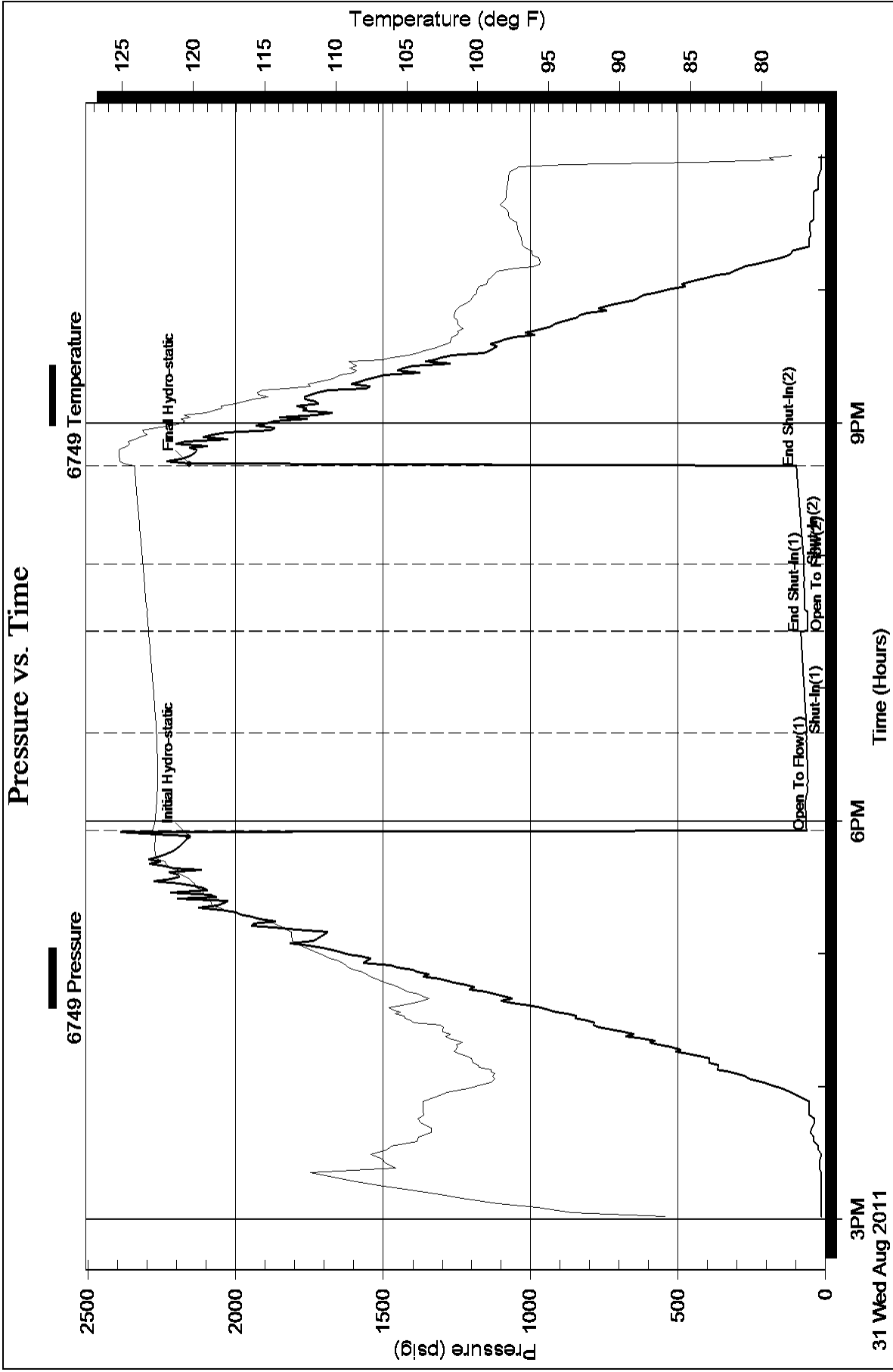
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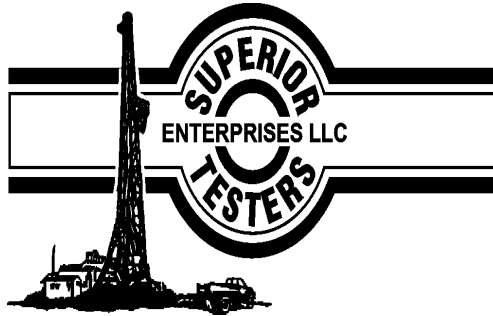
Inside

LB Exploration LLC

30/32S/13W/Barber

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **LB Exploration LLC**

2135 2ND Road
Holyrood, Kansas 67460

ATTN: Kurt Talbott

30/32S/13W/Barber

Palmer 30 #1

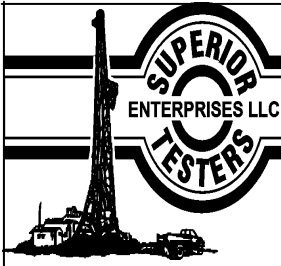
Start Date: 2011.09.01 @ 07:23:00

End Date: 2011.09.01 @ 16:07:00

Job Ticket #: 15843 DST #: 2

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

Printed: 2011.09.01 @ 14:23:16



DRILL STEM TEST REPORT

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

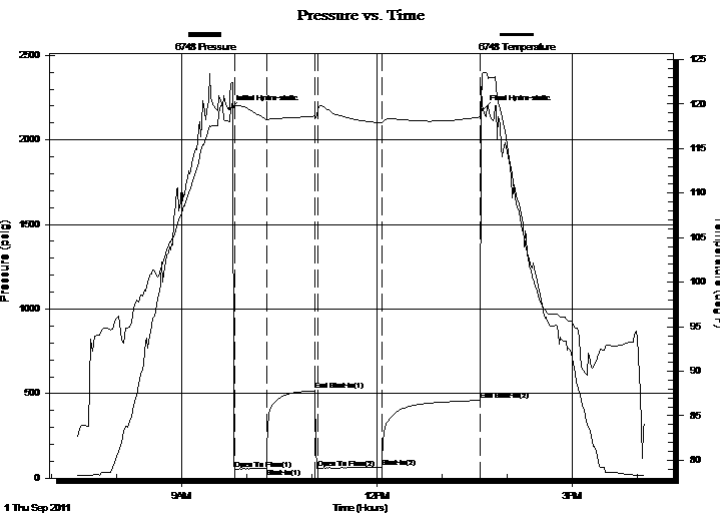
Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15843 **DST#: 2**
 Test Start: 2011.09.01 @ 07:23:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:48:30
 Time Test Ended: 16:07:00
 Interval: **4529.00 ft (KB) To 4555.00 ft (KB) (TVD)**
 Total Depth: 4555.00 ft (KB) (TVD)
 Hole Diameter: 7.75 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Pratt/80
 Reference Elevations: 1820.00 ft (KB)
 1807.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6748 Outside
 Press @ RunDepth: 64.06 psig @ 4552.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011.09.01 End Date: 2011.09.01 Last Calib.: 2011.09.01
 Start Time: 07:23:00 End Time: 16:07:00 Time On Btm: 2011.09.01 @ 09:44:00
 Time Off Btm: 2011.09.01 @ 13:37:30

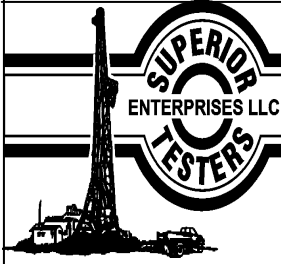
TEST COMMENT: 1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 45 seconds/Gas to surface 11 minutes
 1ST Shut In 45 Minutes/No blow back
 2ND Open 60 Minutes/Stong blow /Blow to bottom of bucket at open
 2ND Shut In 90 Minutes/No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2181.21	118.07	Initial Hydro-static
5	52.01	119.66	Open To Flow (1)
34	59.58	118.25	Shut-In(1)
79	517.42	118.67	End Shut-In(1)
82	56.34	119.34	Open To Flow (2)
140	64.06	117.90	Shut-In(2)
231	459.94	118.56	End Shut-In(2)
234	2177.66	123.49	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
75.00	Mud w with show of oil 100%	1.10

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	4.21	68.02
Last Gas Rate	0.75	4.13	66.70
Max. Gas Rate	0.75	5.08	81.54



DRILL STEM TEST REPORT

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

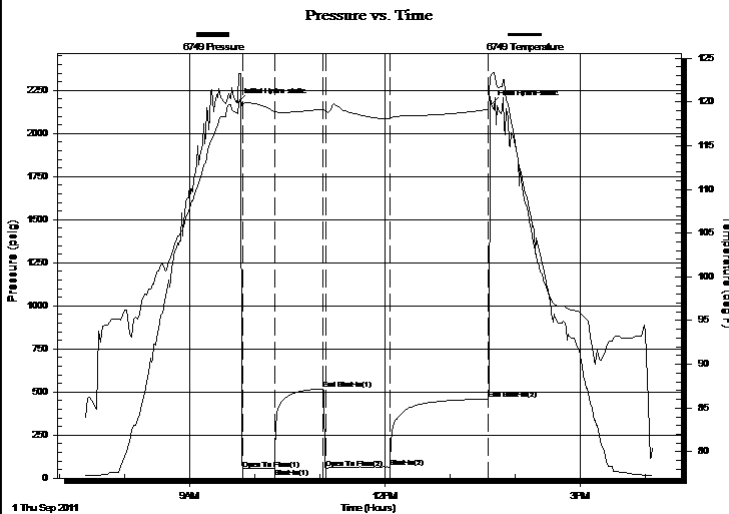
Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15843 **DST#: 2**
 Test Start: 2011.09.01 @ 07:23:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:48:30 Tester: Ken Swinney
 Time Test Ended: 16:07:00 Unit No: 3325 Pratt/80
 Interval: **4529.00 ft (KB) To 4555.00 ft (KB) (TVD)** Reference Elevations: 1820.00 ft (KB)
 Total Depth: 4555.00 ft (KB) (TVD) 1807.00 ft (CF)
 Hole Diameter: 7.75 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

Serial #: 6749 **Inside**
 Press @ RunDepth: 460.86 psig @ 4551.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011.09.01 End Date: 2011.09.01 Last Calib.: 2011.09.01
 Start Time: 07:23:00 End Time: 16:07:00 Time On Btm: 2011.09.01 @ 09:44:00
 Time Off Btm: 2011.09.01 @ 13:38:00

TEST COMMENT: 1ST Open 30 Minutes/Strong blow /Blow to bottom of bucket in 45 seconds/Gas to surface 11 minutes
 1ST Shut In 45 Minutes/No blow back
 2ND Open 60 Minutes/Stong blow /Blow to bottom of bucket at open
 2ND Shut In 90 Minutes/No blow back



PRESSURE SUMMARY

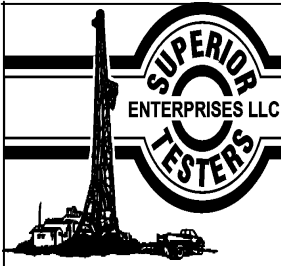
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.57	118.70	Initial Hydro-static
5	52.76	119.77	Open To Flow (1)
34	59.64	118.88	Shut-In(1)
79	518.44	119.19	End Shut-In(1)
82	56.90	119.02	Open To Flow (2)
140	64.39	118.02	Shut-In(2)
231	460.86	119.14	End Shut-In(2)
234	2169.94	123.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud with show of oil 100%	1.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	4.21	68.02
Last Gas Rate	0.75	4.13	66.70
Max. Gas Rate	0.75	5.08	81.54



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15843 **DST#: 2**
 Test Start: 2011.09.01 @ 07:23:00

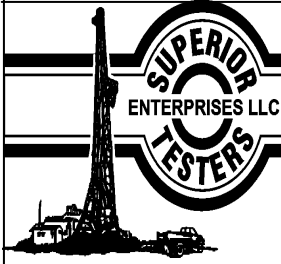
Tool Information

Drill Pipe:	Length: 4525.00 ft	Diameter: 3.88 inches	Volume: 66.17 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
			<u>Total Volume: 66.17 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4529.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	55.00 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			4505.00	
Hydraulic tool	5.00			4510.00	
Change over sub	1.00			4511.00	
Jars	6.00			4517.00	
Safety Joint	2.00			4519.00	
Packer	5.00			4524.00	29.00 Bottom Of Top Packer
Packer	5.00			4529.00	
Anchor	21.00			4550.00	
Recorder	1.00	6749	Inside	4551.00	
Recorder	1.00	6748	Outside	4552.00	
Bullnose	3.00			4555.00	26.00 Bottom Packers & Anchor

Total Tool Length: 55.00



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration LLC
2135 2ND Road
Holyrood, Kansas 67460
ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
Job Ticket: 15843 **DST#: 2**
Test Start: 2011.09.01 @ 07:23:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

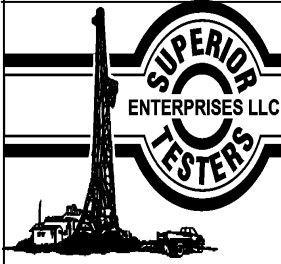
Length ft	Description	Volume bbl
75.00	Mud with show of oil 100%	1.097

Total Length: 75.00 ft Total Volume: 1.097 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

LB Exploration LLC
2135 2ND Road
Holyrood, Kansas 67460
ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
Job Ticket: 15843 **DST#: 2**
Test Start: 2011.09.01 @ 07:23:00

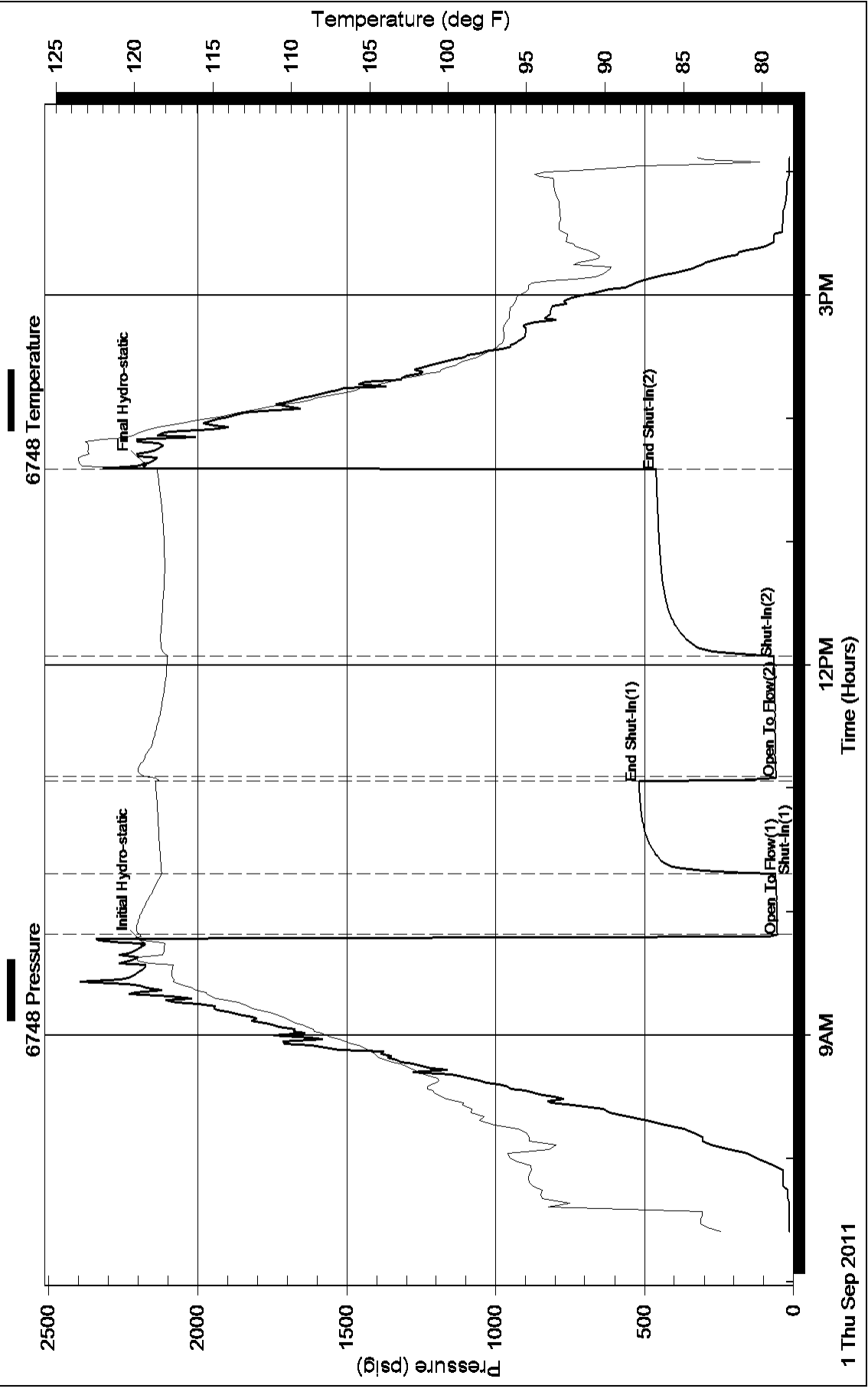
Gas Rates Information

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

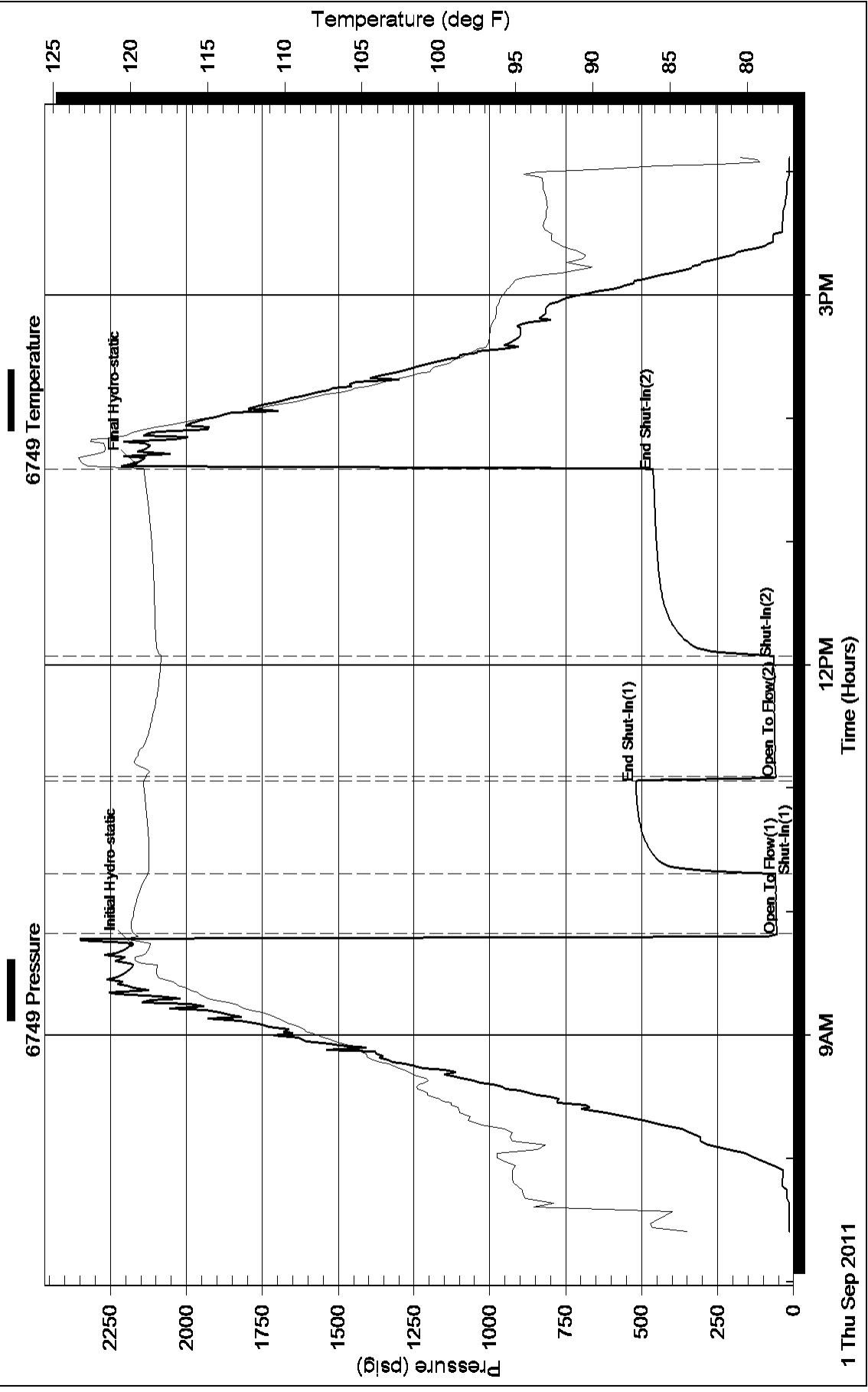
Gas Rates Table

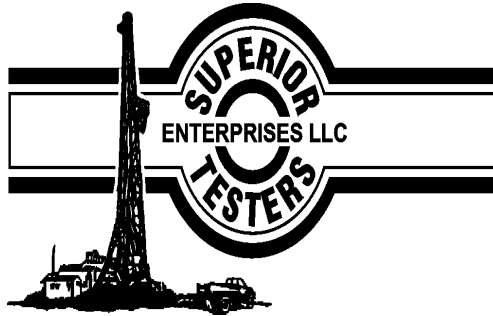
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.75	4.21	68.02
1	20	0.75	4.21	68.02
1	30	0.75	4.21	68.02
2	10	0.75	5.08	81.54
2	20	0.75	4.67	75.13
2	30	0.75	4.31	69.51
2	40	0.75	4.13	66.70

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **LB Exploration LLC**

2135 2ND Road
Holyrood, Kansas 67460

ATTN: Kurt Talbott

30/32S/13W/Barber

Palmer 30 #1

Start Date: 2011.09.01 @ 23:35:00

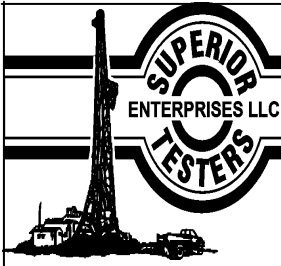
End Date: 2011.09.02 @ 07:33:00

Job Ticket #: 15844 DST #: 3

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

Printed: 2011.09.02 @ 06:14:07

LB Exploration LLC
Palmer 30 #1
30/32S/13W/Barber
DST # 3
Mississippi
2011.09.01



DRILL STEM TEST REPORT

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15844 **DST#: 3**
 Test Start: 2011.09.01 @ 23:35:00

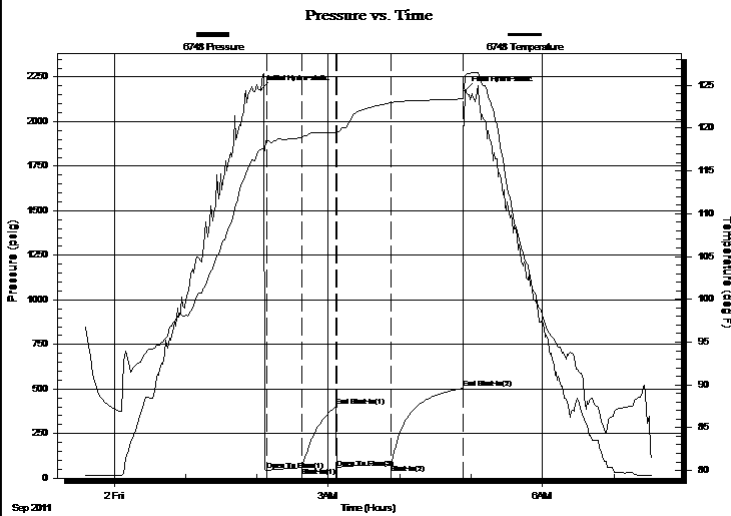
GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:08:30
 Time Test Ended: 07:33:00
Interval: 4555.00 ft (KB) To 4575.00 ft (KB) (TVD)
 Total Depth: 4575.00 ft (KB) (TVD)
 Hole Diameter: 7.75 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Pratt/80
 Reference Elevations: 1820.00 ft (KB)
 1807.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6748 Outside

Press @ Run Depth: 75.89 psig @ 4572.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011.09.01 End Date: 2011.09.02 Last Calib.: 2011.09.02
 Start Time: 23:35:00 End Time: 07:33:00 Time On Btm: 2011.09.02 @ 02:03:30
 Time Off Btm: 2011.09.02 @ 04:55:00

TEST COMMENT: 1ST Open 30 Minutes/Good blow /Blow to bottom of bucket in 4 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 45 Minutes/Strong blow /Blow to bottom of bucket in 10 seconds
 2ND Shut In 60 Minutes/Blow back built to 3 inches



PRESSURE SUMMARY

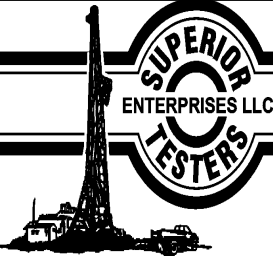
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.42	117.53	Initial Hydro-static
5	43.47	118.58	Open To Flow (1)
35	58.01	118.91	Shut-In(1)
64	402.19	119.51	End Shut-In(1)
64	52.84	119.64	Open To Flow (2)
110	75.89	122.98	Shut-In(2)
170	503.50	123.42	End Shut-In(2)
172	2172.87	126.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2976 Gas in pipe	0.00
45.00	Oil cut Muddy Water	0.66
0.00	Oil 15% Mud 35% Water 50	0.00
60.00	Oil cut Watery Mud	0.88
0.00	Oil 10% Water 10% Mud 80%	0.00
0.00	RECOVERY CHLORIDES 27000 ppm	0.00

Gas Rates

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



DRILL STEM TEST REPORT

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15844 **DST#: 3**
 Test Start: 2011.09.01 @ 23:35:00

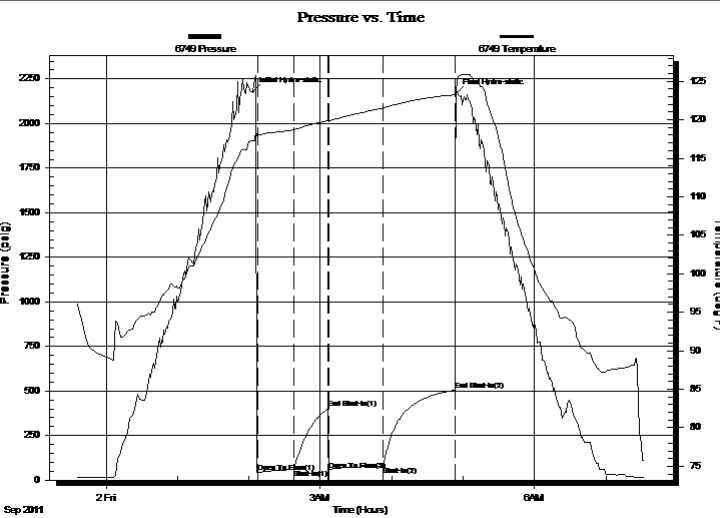
GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 02:08:30 Tester: Ken Swinney
 Time Test Ended: 07:33:00 Unit No: 3325 Pratt/80
 Interval: **4555.00 ft (KB) To 4575.00 ft (KB) (TVD)** Reference Elevations: 1820.00 ft (KB)
 Total Depth: 4575.00 ft (KB) (TVD) 1807.00 ft (CF)
 Hole Diameter: 7.75 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

Serial #: 6749 Inside

Press @ RunDepth: 504.92 psig @ 4571.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2011.09.01 End Date: 2011.09.02 Last Calib.: 2011.09.02
 Start Time: 23:35:00 End Time: 07:33:00 Time On Btm: 2011.09.02 @ 02:03:30
 Time Off Btm: 2011.09.02 @ 04:54:00

TEST COMMENT: 1ST Open 30 Minutes/Good blow /Blow to bottom of bucket in 4 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 45 Minutes/Strong blow /Blow to bottom of bucket in 10 seconds
 2ND Shut In 60 Minutes/Blow back built to 3 inches



PRESSURE SUMMARY

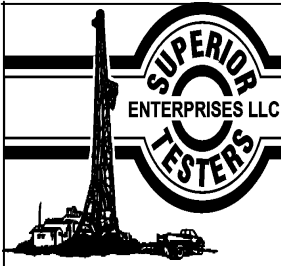
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.91	117.33	Initial Hydro-static
4	45.71	118.13	Open To Flow (1)
34	59.15	118.71	Shut-In(1)
63	404.11	119.88	End Shut-In(1)
64	54.84	119.80	Open To Flow (2)
109	77.51	121.53	Shut-In(2)
170	504.92	123.24	End Shut-In(2)
171	2168.04	123.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2976 Gas in pipe	0.00
45.00	Oil cut Muddy Water	0.66
0.00	Oil 15% Mud 35% Water 50	0.00
60.00	Oil cut Watery Mud	0.88
0.00	Oil 10% Water 10% Mud 80%	0.00
0.00	RECOVERY CHLORIDES 27000 ppm	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15844 **DST#: 3**
 Test Start: 2011.09.01 @ 23:35:00

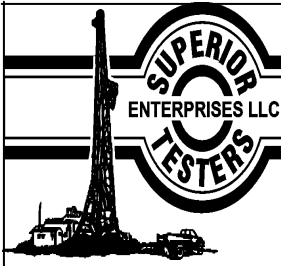
Tool Information

Drill Pipe:	Length: 4545.00 ft	Diameter: 3.88 inches	Volume: 66.47 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
			<u>Total Volume: 66.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4555.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	49.00 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			4531.00	
Hydraulic tool	5.00			4536.00	
Change over sub	1.00			4537.00	
Jars	6.00			4543.00	
Safety Joint	2.00			4545.00	
Packer	5.00			4550.00	29.00 Bottom Of Top Packer
Packer	5.00			4555.00	
Anchor	15.00			4570.00	
Recorder	1.00	6749	Inside	4571.00	
Recorder	1.00	6748	Outside	4572.00	
Bullnose	3.00			4575.00	20.00 Bottom Packers & Anchor

Total Tool Length: 49.00



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration LLC
 2135 2ND Road
 Holyrood, Kansas 67460
 ATTN: Kurt Talbott

Palmer 30 #1
30/32S/13W/Barber
 Job Ticket: 15844 **DST#: 3**
 Test Start: 2011.09.01 @ 23:35:00

Mud and Cushion Information

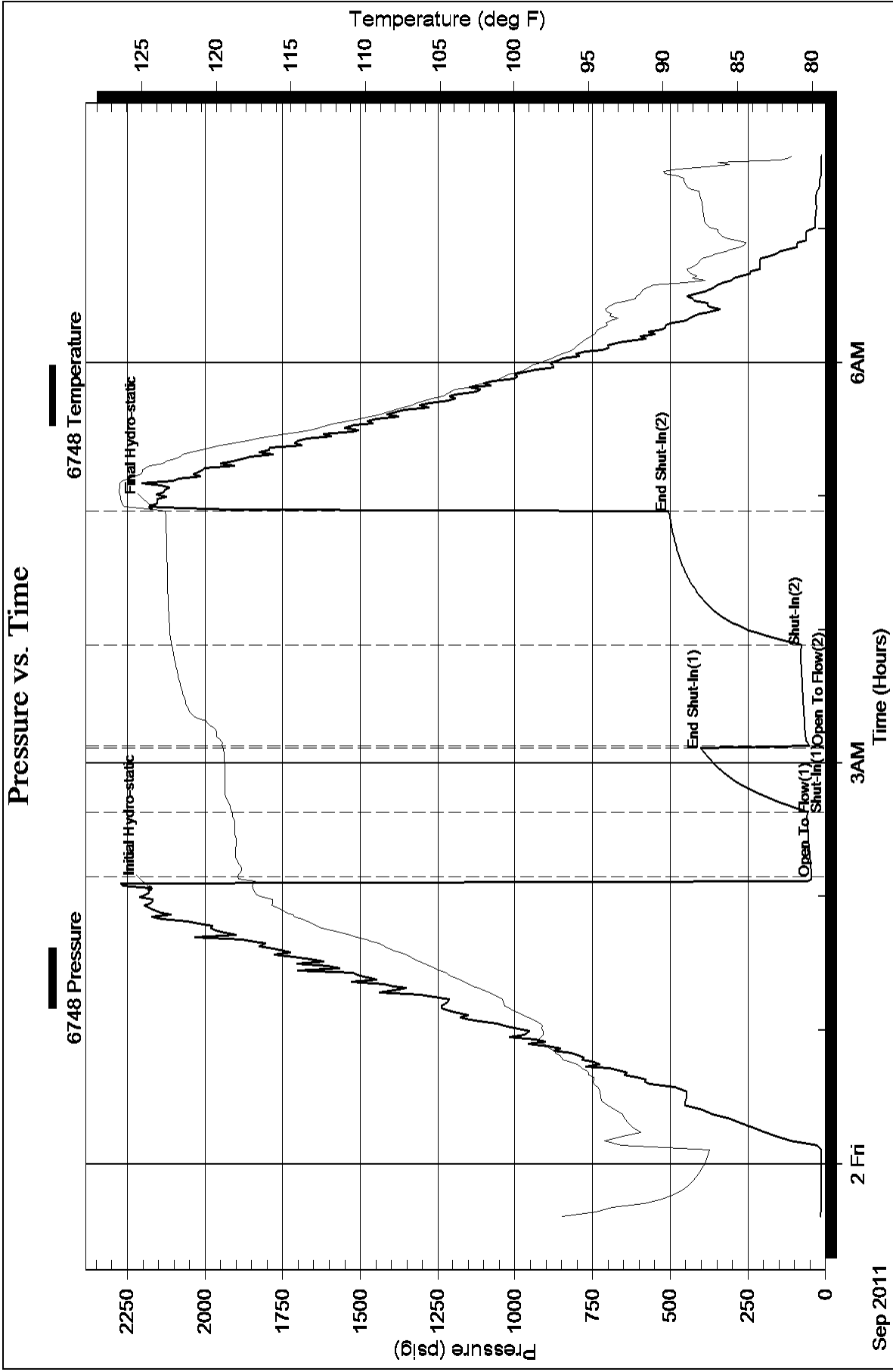
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2976 Gas in pipe	0.000
45.00	Oil cut Muddy Water	0.658
0.00	Oil 15% Mud 35% Water 50	0.000
60.00	Oil cut Watery Mud	0.877
0.00	Oil 10% Water 10% Mud 80%	0.000
0.00	RECOVERY CHLORIDES 27000 ppm	0.000

Total Length: 105.00 ft Total Volume: 1.535 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



Pressure vs. Time

