



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: _____



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	Wolkins 15 1
Doc ID	1104981

All Electric Logs Run

Spectral Gamma Ray
Microresistivity
Compensated Neutron Density
Borehole Compensated Sonic
Phased Induction Shallow Focus SP Log

ALLIED OIL & GAS SERVICES, LLC 054086

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge KS

DATE <i>04/01/2012</i>	SEC. <i>15</i>	TWP. <i>33s</i>	RANGE <i>13w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Wakins</i>	WELL # <i>1</i>	LOCATION <i>160 to Gyphill Rd, South 8 1/2 miles to Rig sign, west into</i>		COUNTY <i>Barber</i>	STATE <i>KS</i>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Minnescah Drilling #101* OWNER *LB Exploration*

TYPE OF JOB <i>Surface</i>	CEMENT
HOLE SIZE <i>12 1/4</i> T.D. <i>360</i>	AMOUNT ORDERED <i>200 sq class A + 2% cc + 2% Gel</i>
CASING SIZE <i>8 7/8</i> DEPTH <i>356</i>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX <i>206</i> MINIMUM	COMMON <i>Class A 200 @ 16.25 3,250</i>
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <i>15'</i>	GEL <i>4 @ 21.25 85</i>
PERES	CHLORIDE <i>7 @ 58.20 407.4</i>
DISPLACEMENT <i>2 1/2</i>	ASC @

EQUIPMENT

PUMP TRUCK CEMENTER <i>Jason Thimesch</i>
<i>360/265</i> HELPER <i>Matt Thimesch</i>
BULK TRUCK
<i>364</i> DRIVER <i>Brett Gains</i>
BULK TRUCK
DRIVER

HANDLING <i>2 1/2</i>	@ <i>2.25</i>	<i>474.75</i>
MILEAGE <i>15 x .11 x 2 1/2</i>		<i>349.15</i>
TOTAL		<i>4,565.30</i>

REMARKS:
Brk circ w/ rig, Pump 3 1/2 H₂O, mix + pump 200 sqs, Disp 2 1/2 gals, Did circ cement, close in

SERVICE

DEPTH OF JOB <i>356</i>		
PUMP TRUCK CHARGE		<i>1,178.20</i>
EXTRA FOOTAGE @		
MILEAGE <i>15</i>	@ <i>7</i>	<i>105</i>
MANIFOLD @		
<i>LV 15</i>	@ <i>4</i>	<i>60</i>
TOTAL		<i>1,343.20</i>

CHARGE TO: *LB Exploration*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<i>Wood Plug 1</i>	@ <i>92</i>	<i>92</i>
	@	
	@	
	@	
TOTAL		<i>92</i>

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____

TOTAL CHARGES *6,000.50*

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE *Richard A. Barry*

BASIC

energy services, L.P.

TREATMENT REPORT

Customer CB EXPLORATION, INC.	Lease No.	Date 4-13-2012
Lease WOLKINS 15	Well # 1	
Field Order #	Station PRATT, KS.	Casing 5 1/2"
Type Job CNW - 5 1/2" L.S.	Depth	County BARBER
	Formation TD = 5150'	State KS.
		Legal Description 15-33-13

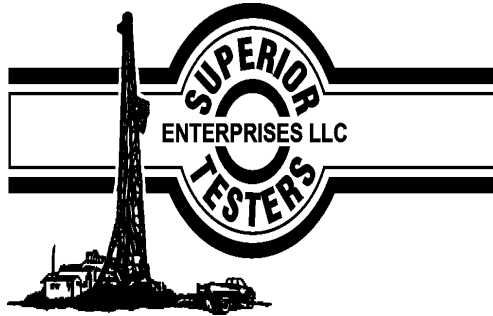
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2" x 14"			CMT -	255SK AA-2				
Depth 5066'	Depth	From	To	Pre Pad @ 2.1 CUFT	Max		5 Min.	
Volume 123.61 BBL	Volume	From	To	Pad 255SK AA-2	Min 55 = 42.14'		10 Min.	
Max Press 1500	Max Press	From	To	Frac @ 1.54 CUFT	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 5063.86	Packer Depth	From	To	Flush 122.5 - 2% KCL @ 10'	Gas Volume 0		Total Load	

Customer Representative **RICK POPP** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	37586	19889	19843	19831	21010				
Driver Names	LESLEY	WRIGHT		LAWRENCE					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00 PM					ON LOCATION - SAFETY MEETING
9:00 PM					RUN 120 STS. 5 1/2" x 14" CSG.
					TURBO - 1, 3, 4, 5, 11, 12, 13, 14, 17, 18, 21, 22, 23, 25
					BASK - 1, 2, 15, 16, 17
12:50 AM					CSG. ON BOTTOM
12:55 AM					HOOKUP TO CSG. / BREAK CIRC. W/ RIG
4:05 AM	350		5	6	H2O AHEAD
4:20 AM	350		9	6	MIX 25 SKS. AA-2 @ 12.0 PPG
4:24 AM	300		61	6	MIX 25 SKS. AA-2 @ 14.8 PPG
4:34 AM					CLEAR PUMP LINE / DROP L.D. PLUG
4:38 AM	0		0	7	START DISPLACEMENT
4:50 AM	500		80	6	LIFT PRESSURE
4:57 AM	1000		110	5	SLOW RATE
5:00 AM	1800		122.5	4	PLUG DOWN - HELD
					CIRC. THRU JOB
5:30 AM			6, 4		PLUG R.H. & M.H.

JOB COMPLETE,
THANKS -
K. LESLEY



DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood
Kansas 67450

ATTN: Steven Petermann

Wolkins 15 #1

15-33s-13w-Barber

Start Date: 2012.04.05 @ 07:16:00

End Date: 2012.04.05 @ 15:43:30

Job Ticket #: 17280 DST #: 1

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

Printed: 2012.04.05 @ 16:21:53

LB Exploration
15-33s-13w-Barber
Wolkins 15 #1
DST # 1
Eigin sand
2012.04.05



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17280

DST#: 1

ATTN: Steven Petermann

Test Start: 2012.04.05 @ 07:16:00

GENERAL INFORMATION:

Formation: **Elgin sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:06:30

Time Test Ended: 15:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 3552.00 ft (KB) To 3626.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 3626.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 8400

Press @ RunDepth: 355.03 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.05

End Date: 2012.04.05

Last Calib.: 2012.04.05

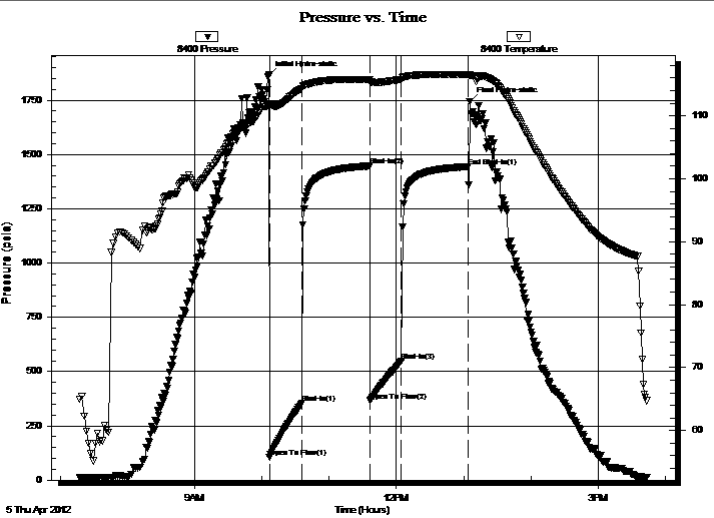
Start Time: 07:16:00

End Time: 15:43:30

Time On Btm: 2012.04.05 @ 10:06:00

Time Off Btm: 2012.04.05 @ 13:05:30

TEST COMMENT: 1st Open 30 minutes Strong building blow built to bottom bucket in 4 minutes
1st Shut in 60 minutes No blow back
2nd Open 30 minutes Strong building blow built to bottom bucket in 7 minutes
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1865.30	111.81	Initial Hydro-static
1	105.59	111.44	Open To Flow (1)
30	355.03	114.35	Shut-In(1)
90	1447.33	115.79	Shut-In(2)
91	365.56	115.40	Open To Flow (2)
119	548.38	115.80	Shut-In(3)
178	1444.16	116.52	End Shut-In(1)
180	1742.84	116.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	Watery mud Mud 5% Water 95%	8.71
120.00	Water cut mud 10%Mud 90% Water	1.68
120.00	Water cut mud 40%Mud 60% Water	1.68
0.00		0.00

Gas Rates

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



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17280

DST#: 1

ATTN: Steven Petermann

Test Start: 2012.04.05 @ 07:16:00

GENERAL INFORMATION:

Formation: **Elgin sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:06:30

Time Test Ended: 15:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 3552.00 ft (KB) To 3626.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 3626.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 6664

Press @ RunDepth: 1446.85 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.05

End Date: 2012.04.05

Last Calib.: 2012.04.05

Start Time: 07:16:00

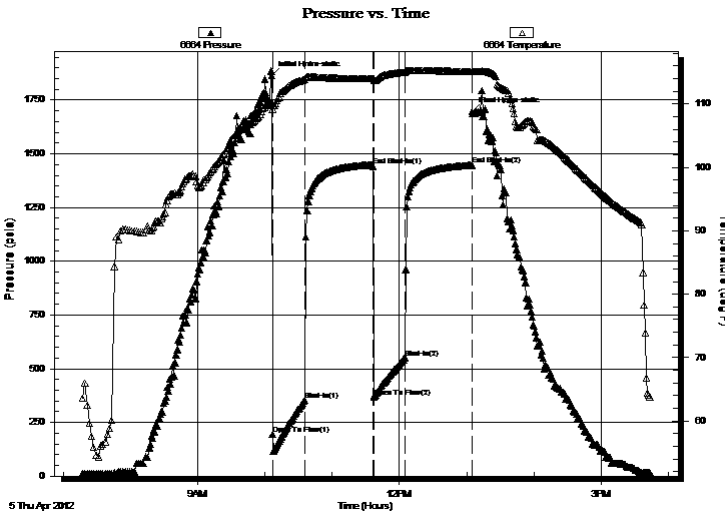
End Time: 15:43:30

Time On Btm: 2012.04.05 @ 10:06:00

Time Off Btm: 2012.04.05 @ 13:05:00

TEST COMMENT: 1st Open 30 minutes Strong building blow built to bottom bucket in 4 minutes
1st Shut in 60 minutes No blow back
2nd Open 30 minutes Strong building blow built to bottom bucket in 7 minutes
2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1862.89	110.25	Initial Hydro-static
1	194.82	109.17	Open To Flow (1)
30	354.19	113.87	Shut-In(1)
91	1442.73	114.01	End Shut-In(1)
91	367.81	113.70	Open To Flow (2)
119	551.49	115.01	Shut-In(2)
179	1446.85	115.09	End Shut-In(2)
179	1696.04	115.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
660.00	Watery mud Mud 5% Water 95%	8.71
120.00	Water cut mud 10%Mud 90% Water	1.68
120.00	Water cut mud 40%Mud 60% Water	1.68
0.00		0.00

Gas Rates

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



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17280

DST#: 1

ATTN: Steven Petermann

Test Start: 2012.04.05 @ 07:16:00

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:

bbbl

Water Loss: 8.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
660.00	Watery mud Mud 5% Water 95%	8.707
120.00	Water cut mud 10%Mud 90% Water	1.683
120.00	Water cut mud 40%Mud 60% Water	1.683
0.00		0.000

Total Length: 900.00 ft

Total Volume: 12.073 bbl

Num Fluid Samples: 0

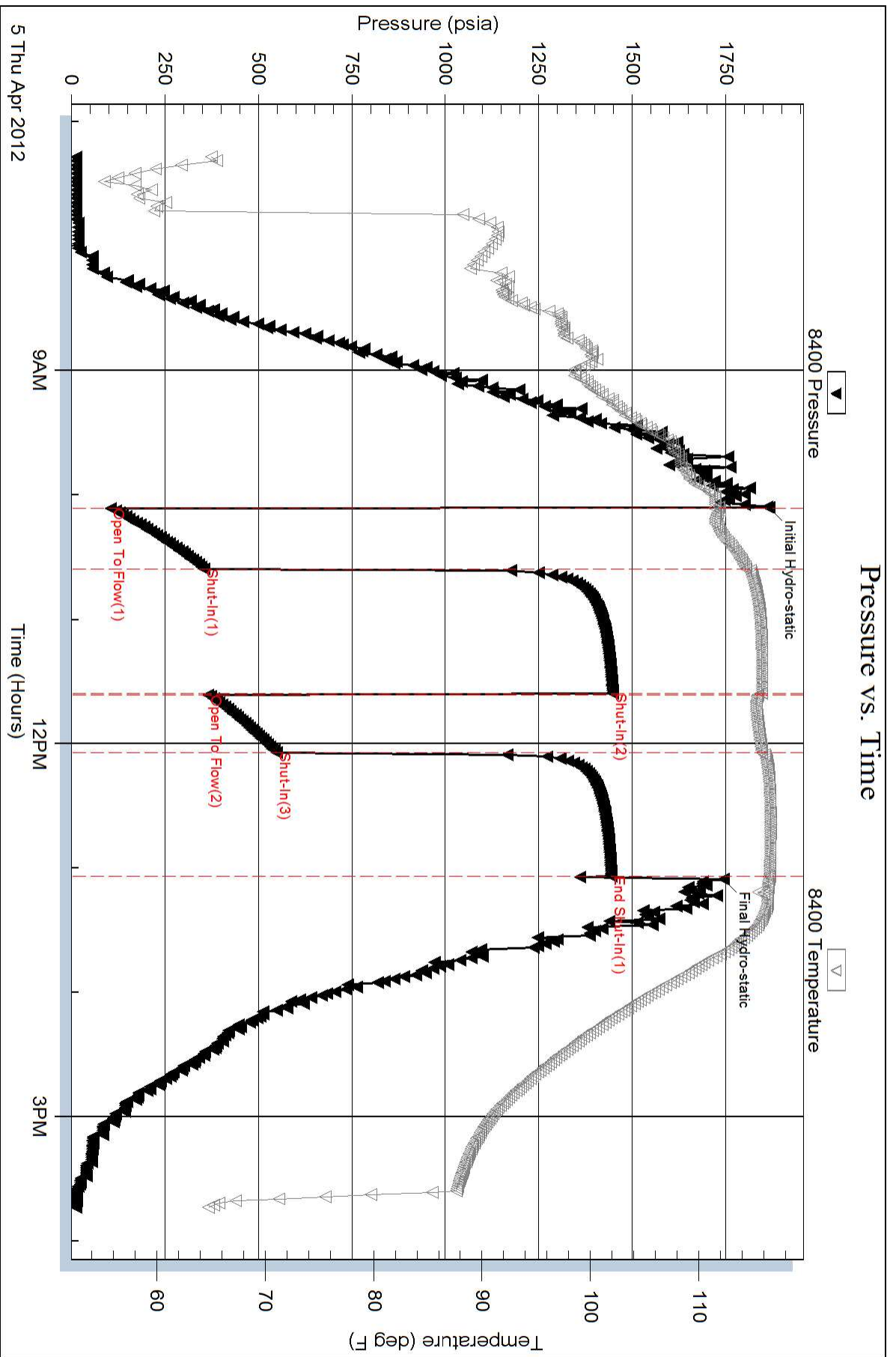
Num Gas Bombs: 0

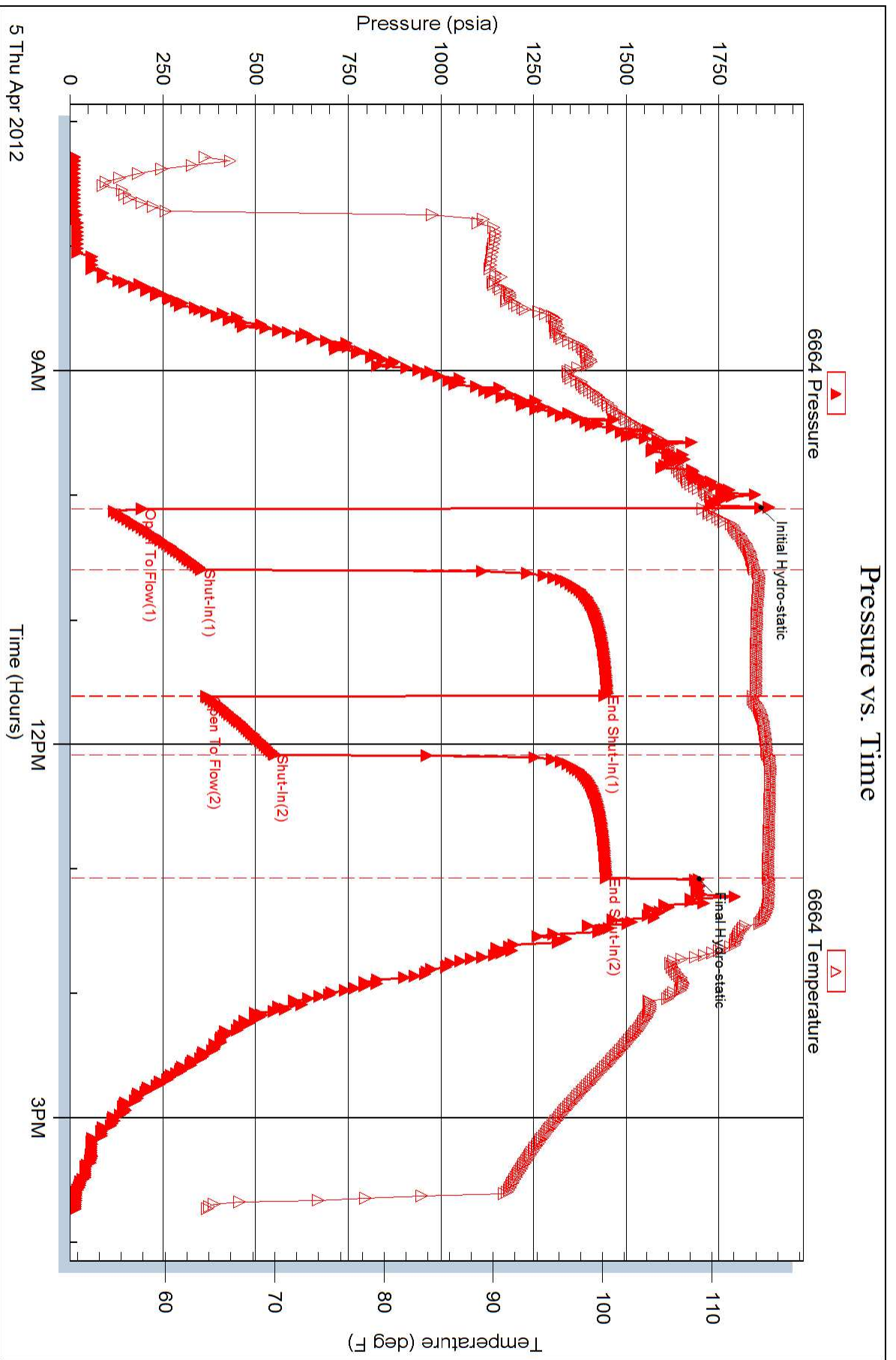
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood
Kansas 67450

ATTN: Steven Petermann

Wolkins 15 #1

15-33s-13w-Barber

Start Date: 2012.04.07 @ 09:53:00

End Date: 2012.04.07 @ 18:46:30

Job Ticket #: 17281 DST #: 2

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

Printed: 2012.04.07 @ 19:24:46

LB Exploration

15-33s-13w-Barber

Wolkins 15 #1

DST # 2

Kansas City

2012.04.07



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17281

DST#: 2

ATTN: Steven Petermann

Test Start: 2012.04.07 @ 09:53:00

GENERAL INFORMATION:

Formation: **Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:18:00

Time Test Ended: 18:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315 Pratt-80

Interval: 4319.00 ft (KB) To 4354.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 4354.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 8400 Inside

Press @ Run Depth: 214.29 psia @ 4350.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.07

End Date: 2012.04.07

Last Calib.: 2012.04.07

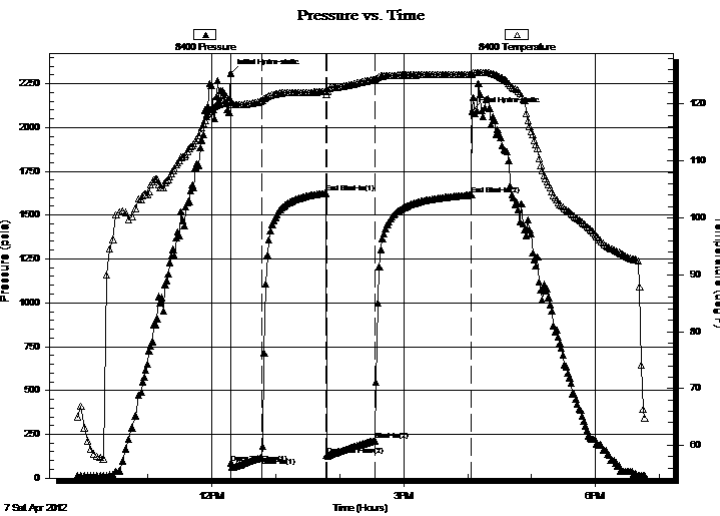
Start Time: 09:53:00

End Time: 18:46:30

Time On Btm: 2012.04.07 @ 12:17:30

Time Off Btm: 2012.04.07 @ 16:04:00

TEST COMMENT: 1st Open 30 minutes Strong building blow reached bottom bucket in two minutes.
1st Shut in 60 minutes Yes blow back
2nd Open 45 minutes Strong blow bottom bucket instantly
2nd Shut in 90 minutes Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2309.25	120.81	Initial Hydro-static
1	86.39	119.98	Open To Flow (1)
30	120.51	120.55	Shut-In(1)
90	1624.94	122.24	End Shut-In(1)
90	130.79	121.64	Open To Flow (2)
136	214.29	124.31	Shut-In(2)
226	1615.15	125.21	End Shut-In(2)
227	2092.47	125.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
47.00	Mud cut oil mud 85% Oil 15%	0.66
62.00	Gassy oil cut mud Mud 50%Oil 40%10%	0.87
62.00	Oil cut muddy w ater	0.87
0.00	50%mud20%w ater30%oil	0.00
62.00	Gassy oil cut watery mud	0.87
0.00	30%w ater30%oil 40%gas	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	6.90	46.55
Last Gas Rate	0.50	3.40	22.94
Max. Gas Rate	0.50	6.90	46.55



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17281

DST#: 2

ATTN: Steven Petermann

Test Start: 2012.04.07 @ 09:53:00

GENERAL INFORMATION:

Formation: **Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:18:00

Time Test Ended: 18:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315 Pratt-80

Interval: 4319.00 ft (KB) To 4354.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 4354.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 6663 Outside

Press @ RunDepth: 1617.62 psia @ 4351.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.07

End Date: 2012.04.07

Last Calib.: 2012.04.07

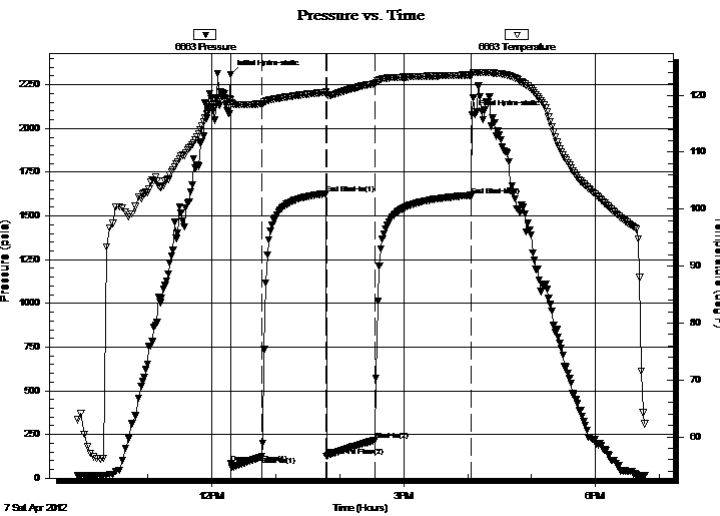
Start Time: 09:53:00

End Time: 18:46:30

Time On Btm: 2012.04.07 @ 12:17:30

Time Off Btm: 2012.04.07 @ 16:04:00

TEST COMMENT: 1st Open 30 minutes Strong building blow reached bottom bucket in two minutes.
1st Shut in 60 minutes Yes blow back
2nd Open 45 minutes Strong blow bottom bucket instantly
2nd Shut in 90 minutes Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2308.31	119.28	Initial Hydro-static
1	85.89	118.65	Open To Flow (1)
30	123.73	118.52	Shut-In(1)
90	1627.15	120.53	End Shut-In(1)
90	124.94	120.09	Open To Flow (2)
136	217.28	122.03	Shut-In(2)
226	1617.62	123.55	End Shut-In(2)
227	2081.21	123.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
47.00	Mud cut oil mud 85% Oil 15%	0.66
62.00	Gassy oil cut mud Mud 50%Oil 40%10%	0.87
62.00	Oil cut muddy w ater	0.87
0.00	50%mud20%w ater30%oil	0.00
62.00	Gassy oil cut watery mud	0.87
0.00	30%w ater30%oil 40%gas	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	6.90	46.55
Last Gas Rate	0.50	3.40	22.94
Max. Gas Rate	0.50	6.90	46.55



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17281

DST#: 2

ATTN: Steven Petermann

Test Start: 2012.04.07 @ 09:53:00

Tool Information

Drill Pipe:	Length: 4313.00 ft	Diameter: 3.80 inches	Volume: 60.50 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: 60.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4319.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4296.00	
Hydraulic Tool	5.00			4301.00	
Jars	6.00			4307.00	
Safety Joint	2.00			4309.00	
Packer	5.00			4314.00	28.00 Bottom Of Top Packer
Packer	5.00			4319.00	
Perforations	30.00			4349.00	
Recorder	1.00	8400	Inside	4350.00	
Recorder	1.00	6663	Outside	4351.00	
Bull Plug	3.00			4354.00	35.00 Bottom Packers & Anchor
Total Tool Length:	63.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17281

DST#: 2

ATTN: Steven Petermann

Test Start: 2012.04.07 @ 09:53:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 10.40 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
47.00	Mud cut oil mud 85% Oil 15%	0.659
62.00	Gassy oil cut mud Mud 50%Oil 40%10%Gas	0.870
62.00	Oil cut muddy w ater	0.870
0.00	50%mud20%w ater30%oil	0.000
62.00	Gassy oil cut w atery mud	0.870
0.00	30%w ater30%oil 40%gas	0.000
124.00	Oil cut w ater 5%oil 95%w ater	1.739
62.00	Muddy w ater 20%mud 80%w ater	0.870
0.00		0.000

Total Length: 419.00 ft Total Volume: 5.878 bbl

Num Fluid Samples: 0

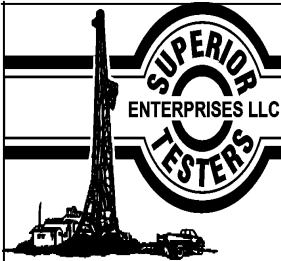
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17281

DST#: 2

ATTN: Steven Petermann

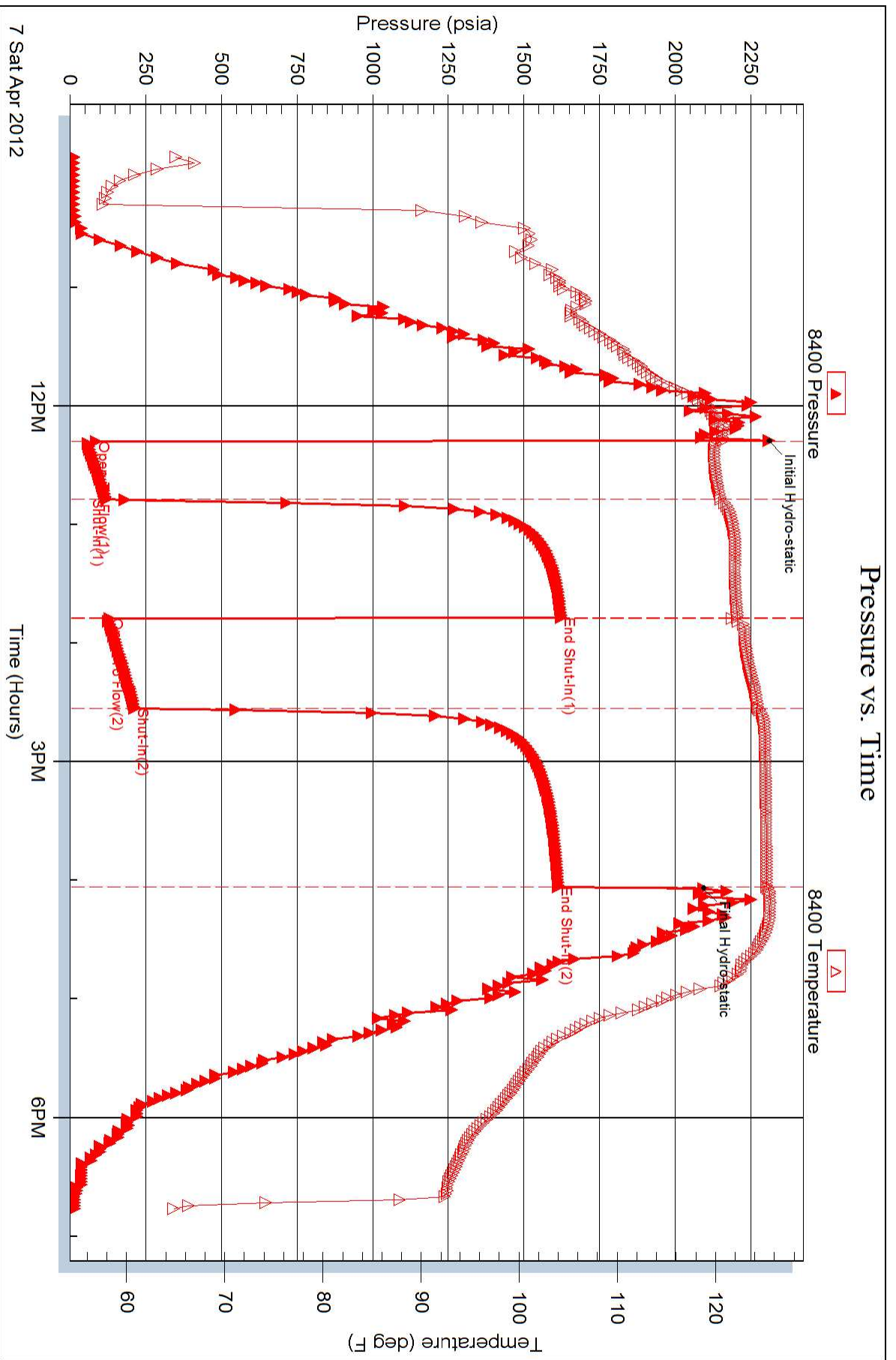
Test Start: 2012.04.07 @ 09:53:00

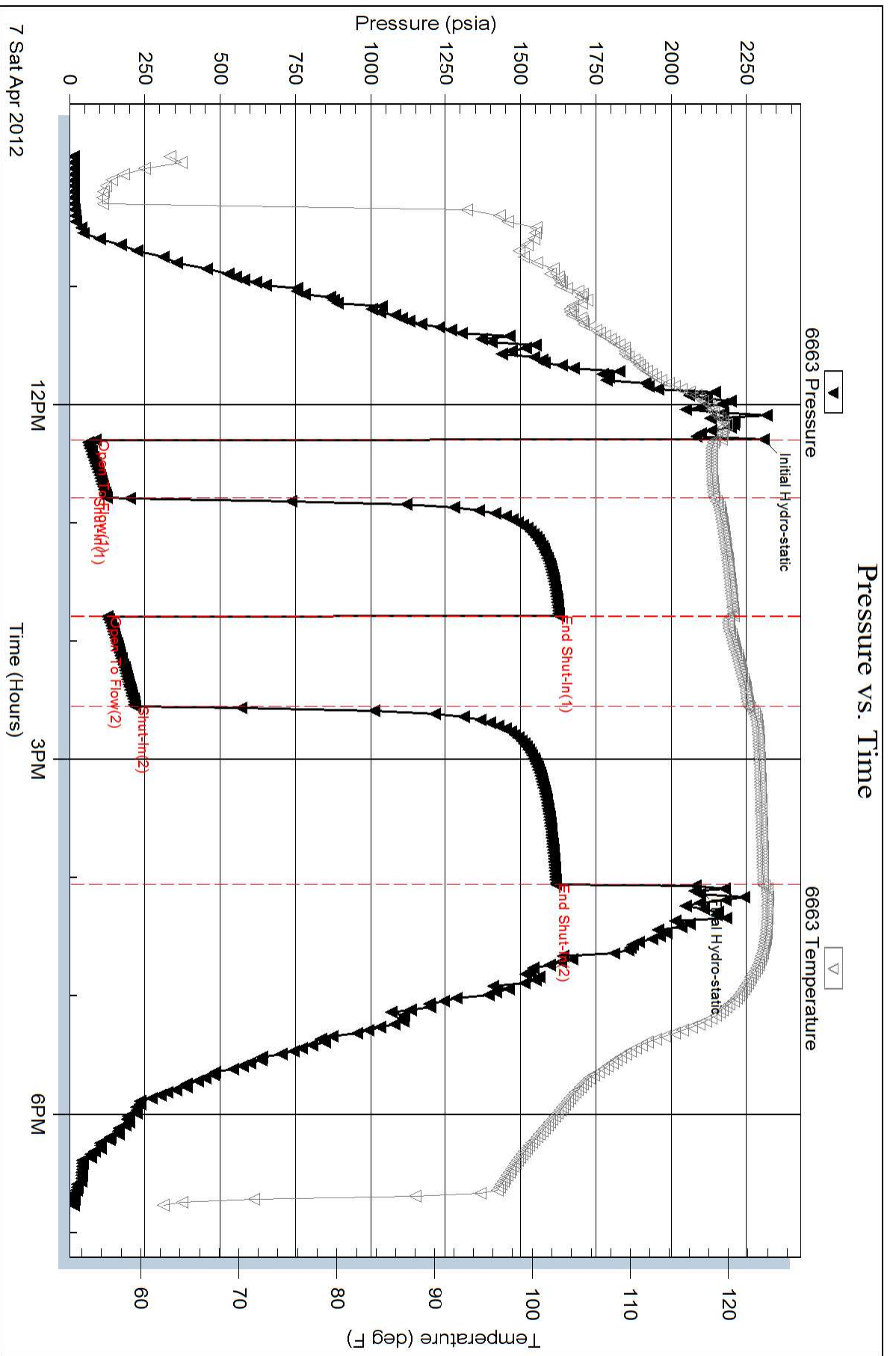
Gas Rates Information

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

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
1	10	0.50	6.90	46.55
2	20	0.50	4.50	30.36
3	30	0.50	3.60	24.28
4	40	0.50	3.40	22.94







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood
Kansas 67450

ATTN: Steven Petermann

Wolkins 15 #1

15-33s-13w-Barber

Start Date: 2012.04.08 @ 01:05:00

End Date: 2012.04.08 @ 10:25:00

Job Ticket #: 17282 DST #: 3

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

Printed: 2012.04.08 @ 22:37:16

LB Exploration
15-33s-13w-Barber
Wolkins 15 #1
DST # 3
Mississippi
2012.04.08



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17282

DST#: 3

ATTN: Steven Petermann

Test Start: 2012.04.08 @ 01:05:00

GENERAL INFORMATION:

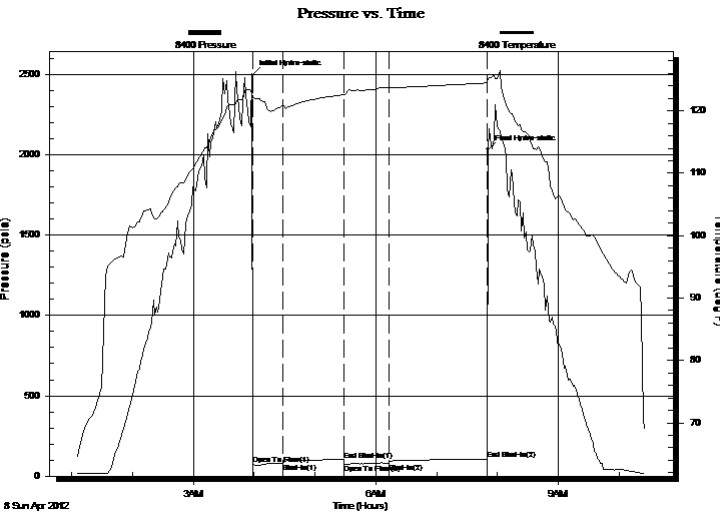
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:59:00
 Time Test Ended: 10:25:00
 Interval: **4486.00 ft (KB) To 4548.00 ft (KB) (TVD)**
 Total Depth: 4548.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Pratt-80
 Reference Elevations: 1612.00 ft (KB)
 1598.00 ft (CF)
 KB to GR/CF: 14.00 ft

Serial #: 8400

Inside

Press @ RunDepth: 81.87 psia @ 4544.34 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.04.08 End Date: 2012.04.08 Last Calib.: 2012.04.08
 Start Time: 01:05:00 End Time: 10:25:00 Time On Btm: 2012.04.08 @ 03:58:30
 Time Off Btm: 2012.04.08 @ 07:50:30

TEST COMMENT: 1st Open 30 minutes Strong building blow blew bottom bucket 3 minutes
 1st Shut in 60 minutes No blow back
 2nd Open 45 minutes Strong blow blew bottom bucket 1 minute.
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2497.56	122.91	Initial Hydro-static
1	72.41	122.18	Open To Flow (1)
30	82.02	120.84	Shut-In(1)
90	101.44	122.57	End Shut-In(1)
90	75.07	122.57	Open To Flow (2)
134	81.87	123.71	Shut-In(2)
232	102.49	124.48	End Shut-In(2)
232	2032.07	125.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	Drilling mud 100%	0.90

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	3.70	24.96
Last Gas Rate	0.38	5.50	20.15
Max. Gas Rate	0.38	5.50	20.15



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17282

DST#: 3

ATTN: Steven Petermann

Test Start: 2012.04.08 @ 01:05:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:59:00

Time Test Ended: 10:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 4486.00 ft (KB) To 4548.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 4548.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 6663 Outside

Press @ RunDepth: 104.80 psia @ 4545.34 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.08

End Date: 2012.04.08

Last Calib.: 2012.04.08

Start Time: 01:05:31

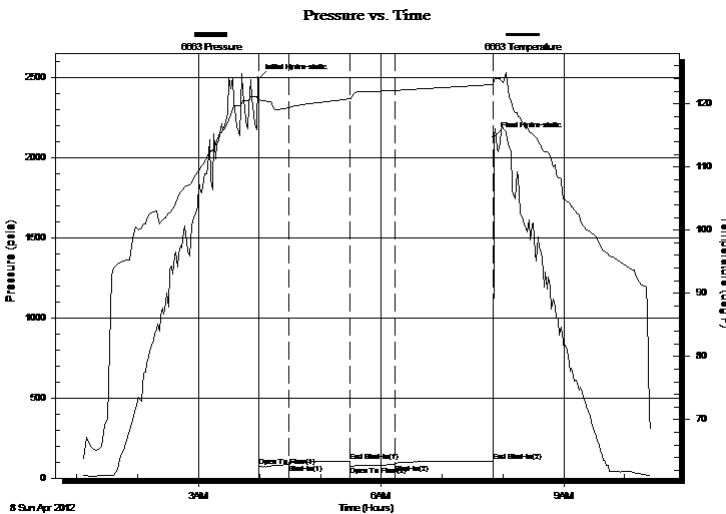
End Time: 10:25:31

Time On Btm: 2012.04.08 @ 03:59:01

Time Off Btm: 2012.04.08 @ 07:51:01

TEST COMMENT: 1st Open 30 minutes Strong building blow blew bottom bucket 3 minutes
1st Shut in 60 minutes No blow back
2nd Open 45 minutes Strong blow blew bottom bucket 1 minute.
2nd Shut in 90 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2495.70	121.37	Initial Hydro-static
1	73.99	120.77	Open To Flow (1)
30	83.71	119.36	Shut-In(1)
90	103.31	120.77	End Shut-In(1)
90	73.43	120.76	Open To Flow (2)
134	83.69	122.11	Shut-In(2)
232	104.80	123.05	End Shut-In(2)
232	2131.25	123.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	Drilling mud 100%	0.90

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	3.70	24.96
Last Gas Rate	0.38	5.50	20.15
Max. Gas Rate	0.38	5.50	20.15



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17282

DST#: 3

ATTN: Steven Petermann

Test Start: 2012.04.08 @ 01:05:00

Tool Information

Drill Pipe:	Length: 4471.00 ft	Diameter: 3.80 inches	Volume: 62.72 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: 80000.00 lb
			Total Volume: 62.72 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4486.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.34 ft			
Tool Length:	90.34 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			4463.00	
Hydraulic Tool	5.00			4468.00	
Jars	6.00			4474.00	
Safety Joint	2.00			4476.00	
Packer	5.00			4481.00	28.00 Bottom Of Top Packer
Packer	5.00			4486.00	
Perforations	5.00			4491.00	
Change Over Sub	0.75			4491.75	
Drill Pipe	31.84			4523.59	
Change Over Sub	0.75			4524.34	
Perforations	19.00			4543.34	
Recorder	1.00	8400	Inside	4544.34	
Recorder	1.00	6663	Outside	4545.34	
Bull Plug	3.00			4548.34	62.34 Bottom Packers & Anchor

Total Tool Length: 90.34



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17282

DST#: 3

ATTN: Steven Petermann

Test Start: 2012.04.08 @ 01:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
64.00	Drilling mud 100%	0.898

Total Length: 64.00 ft Total Volume: 0.898 bbl

Num Fluid Samples: 0

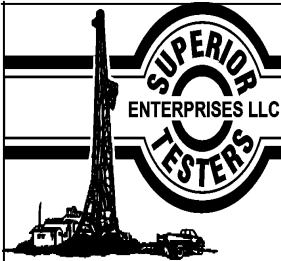
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17282

DST#: 3

ATTN: Steven Petermann

Test Start: 2012.04.08 @ 01:05:00

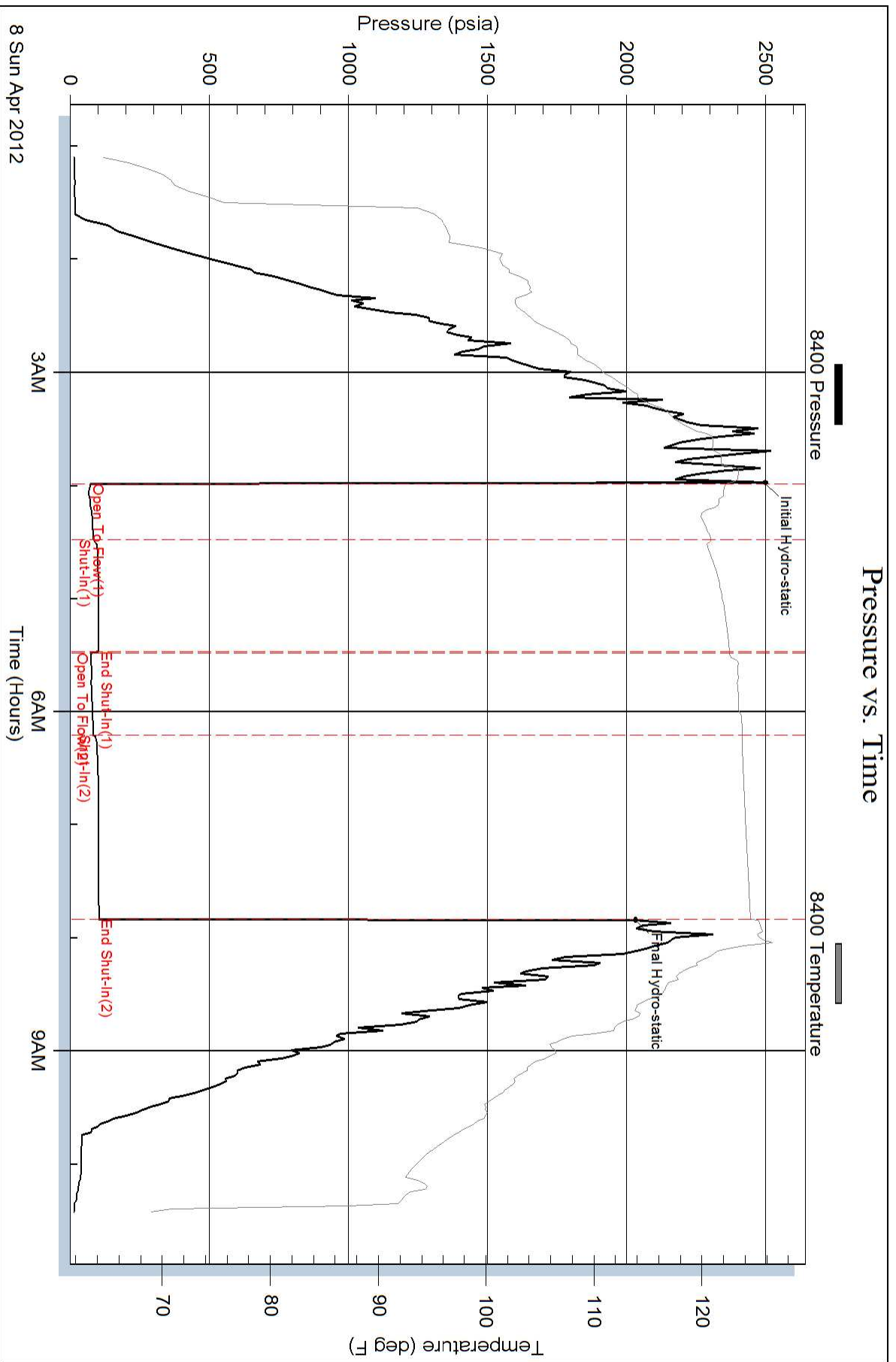
Gas Rates Information

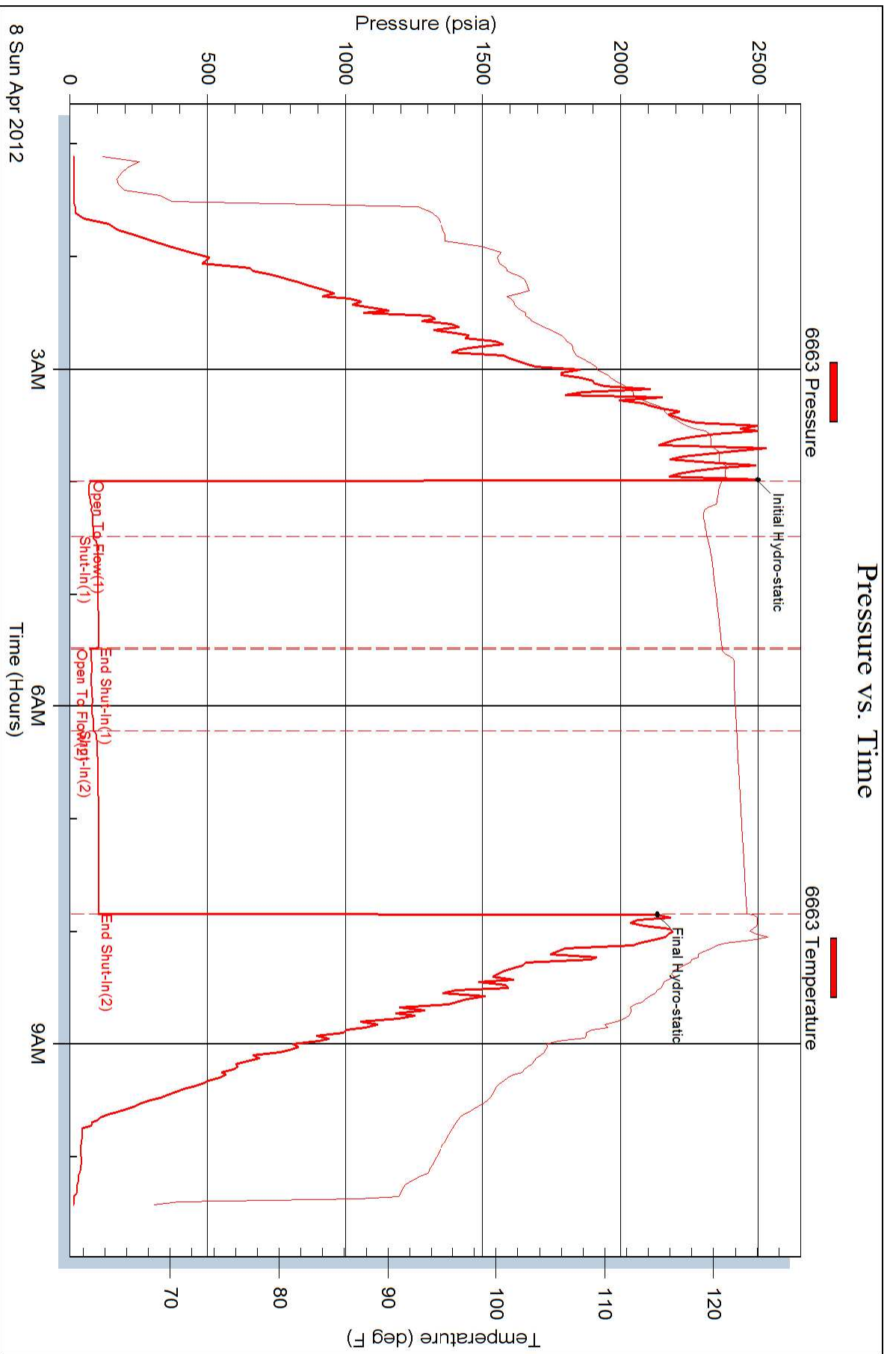
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
1	10	0.50	3.70	24.96
1	10	0.50	3.70	24.96
1	10	0.50	3.70	24.96
2	20	0.38	5.50	20.15

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood
Kansas 67450

ATTN: Steven Petermann

Wolkins 15 #1

15-33s-13w-Barber

Start Date: 2012.04.09 @ 11:36:00

End Date: 2012.04.09 @ 18:38:00

Job Ticket #: 17283 DST #: 4

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

Printed: 2012.04.10 @ 06:50:37

LB Exploration
15-33s-13w-Barber
Wolkins 15 #1
DST # 4
Woodfork/Viola
2012.04.09



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17283

DST#: 4

ATTN: Steven Petermann

Test Start: 2012.04.09 @ 11:36:00

GENERAL INFORMATION:

Formation: **Woodfork/Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:29:00

Time Test Ended: 18:38:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 4788.00 ft (KB) To 4830.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 4830.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 8400 Inside

Press @ RunDepth: 54.31 psia @ 4826.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.09

End Date: 2012.04.09

Last Calib.: 2012.04.10

Start Time: 11:36:00

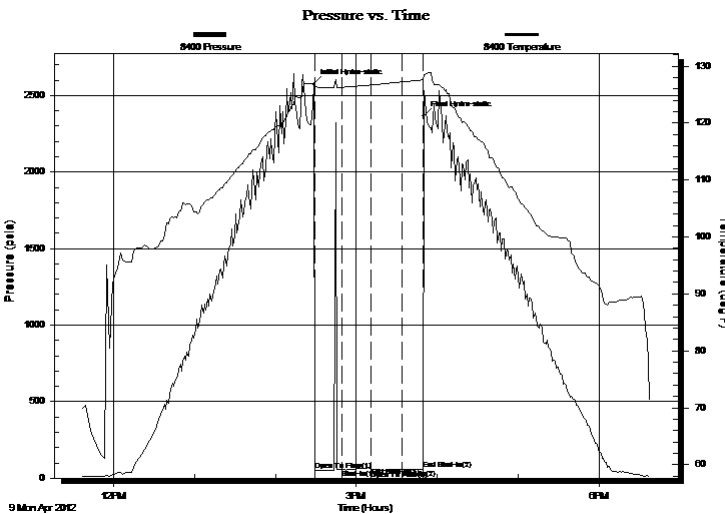
End Time: 18:38:00

Time On Btm: 2012.04.09 @ 14:28:30

Time Off Btm: 2012.04.09 @ 15:50:00

TEST COMMENT: 1st Open 20 minutes Very weak surge then died off. flushed tool no help
1st Shut in 20 minutes No blow back
2nd Open 20 minutes Dead
2nd Shut in 20 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2575.78	127.06	Initial Hydro-static
1	53.51	126.31	Open To Flow (1)
21	54.57	126.30	Shut-In(1)
42	68.66	126.69	End Shut-In(1)
43	53.62	126.69	Open To Flow (2)
65	54.31	127.22	Shut-In(2)
81	59.77	127.59	End Shut-In(2)
82	2366.32	128.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling mud 100%	0.03

Gas Rates

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



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17283

DST#: 4

ATTN: Steven Petermann

Test Start: 2012.04.09 @ 11:36:00

GENERAL INFORMATION:

Formation: **Woodfork/Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:29:00

Time Test Ended: 18:38:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 4788.00 ft (KB) To 4830.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 4830.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 6663 Outside

Press @ RunDepth: 62.20 psia @ 4827.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.04.09

End Date: 2012.04.09

Last Calib.: 2012.04.10

Start Time: 11:36:00

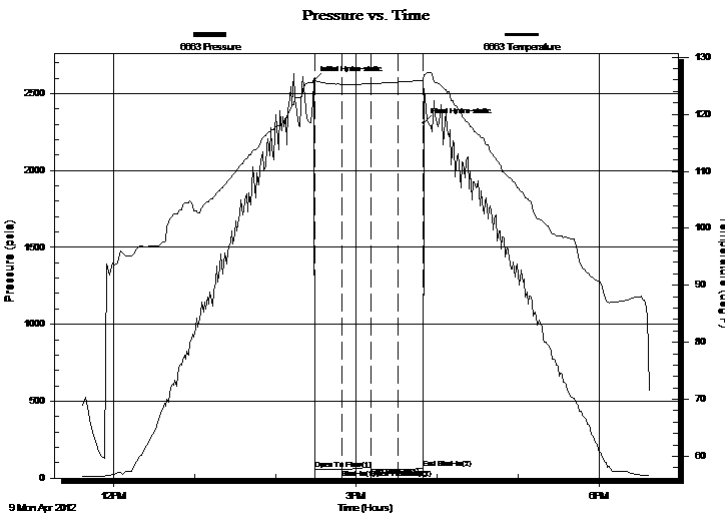
End Time: 18:38:00

Time On Btm: 2012.04.09 @ 14:28:30

Time Off Btm: 2012.04.09 @ 15:50:00

TEST COMMENT: 1st Open 20 minutes Very weak surge then died off. flushed tool no help
1st Shut in 20 minutes No blow back
2nd Open 20 minutes Dead
2nd Shut in 20 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2582.32	126.25	Initial Hydro-static
1	55.27	125.75	Open To Flow (1)
21	56.57	125.26	Shut-In(1)
42	71.49	125.36	End Shut-In(1)
43	55.48	125.36	Open To Flow (2)
63	55.79	125.63	Shut-In(2)
81	62.20	125.94	End Shut-In(2)
82	2308.40	126.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling mud 100%	0.03

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17283

DST#: 4

ATTN: Steven Petermann

Test Start: 2012.04.09 @ 11:36:00

Tool Information

Drill Pipe:	Length: 4778.00 ft	Diameter: 3.80 inches	Volume: 67.02 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: 62000.00 lb
			<u>Total Volume: 67.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4788.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 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			4765.00	
Hydraulic Tool	5.00			4770.00	
Jars	6.00			4776.00	
Safety Joint	2.00			4778.00	
Packer	5.00			4783.00	28.00 Bottom Of Top Packer
Packer	5.00			4788.00	
Perforations	37.00			4825.00	
Recorder	1.00	8400	Inside	4826.00	
Recorder	1.00	6663	Outside	4827.00	
Bull Plug	3.00			4830.00	42.00 Bottom Packers & Anchor
Total Tool Length:	70.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17283

DST#: 4

ATTN: Steven Petermann

Test Start: 2012.04.09 @ 11:36:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drilling mud 100%	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

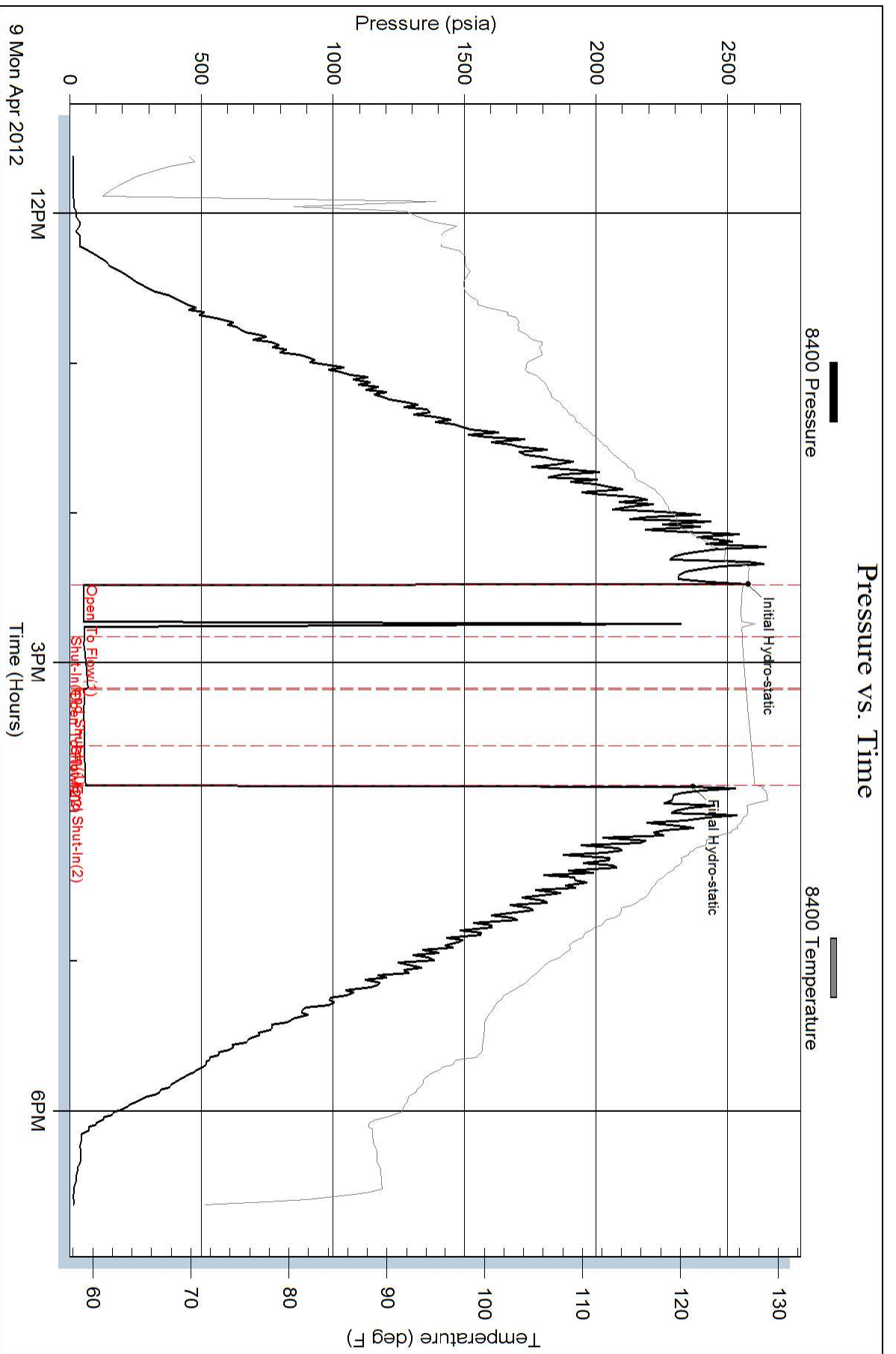
Serial #: 8400

Inside

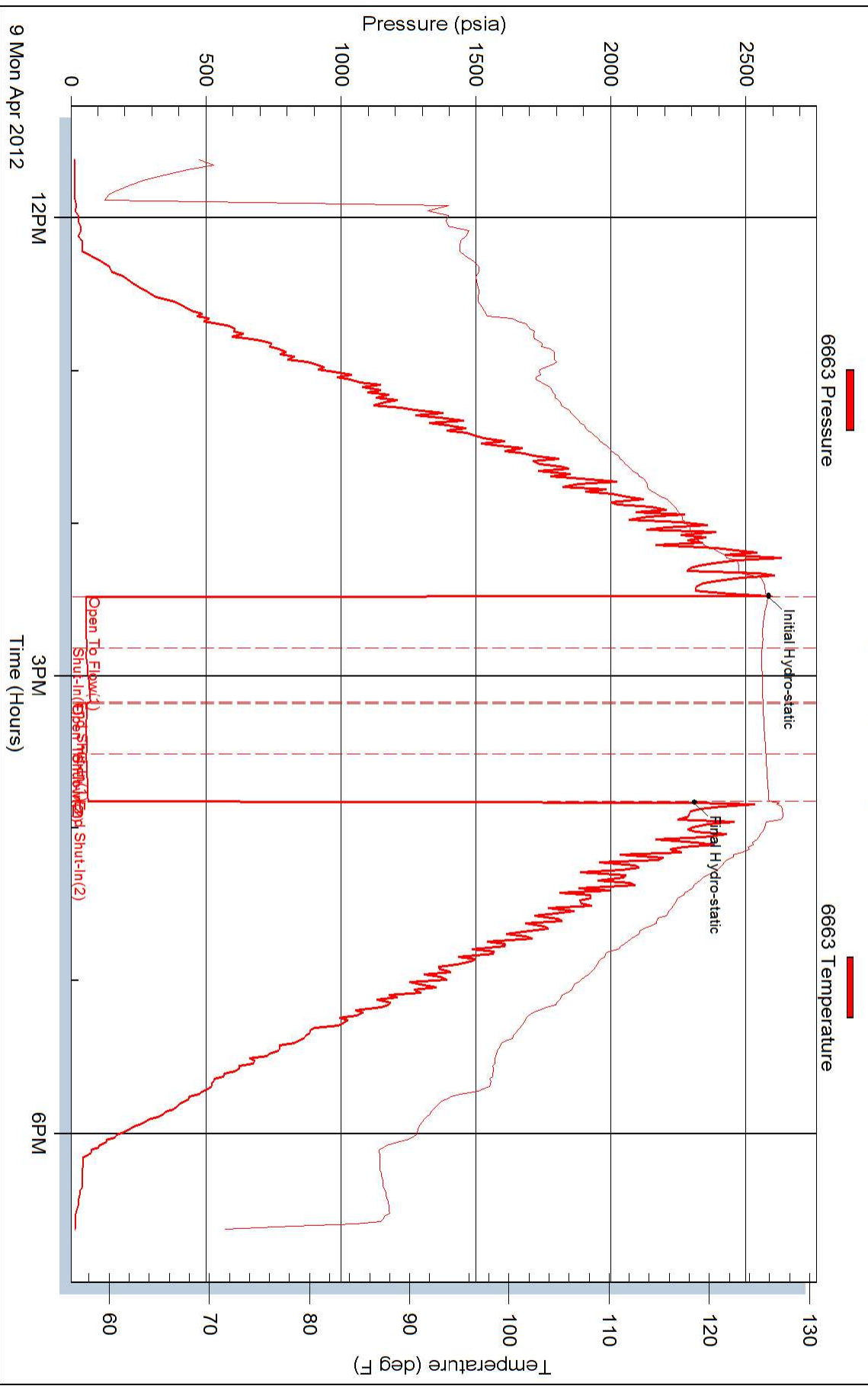
LB Exploration

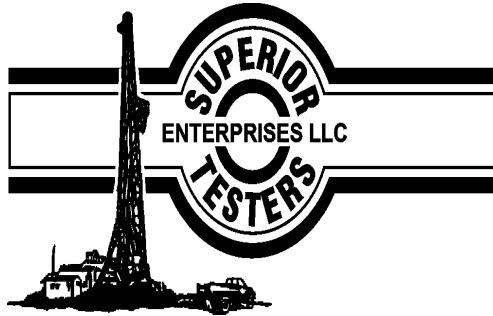
Wolkins 15 #1

DST Test Number: 4



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood
Kansas 67450

ATTN: Steven Petermann

Wolkins 15 #1

15-33s-13w-Barber

Start Date: 2012.04.11 @ 09:13:00

End Date: 2012.04.11 @ 20:52:00

Job Ticket #: 17284 DST #: 5

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

Printed: 2012.04.12 @ 13:51:06

LB Exploration
15-33s-13w-Barber
Wolkins 15 #1
DST # 5
Viola
2012.04.11



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17284

DST#: 5

ATTN: Steven Petermann

Test Start: 2012.04.11 @ 09:13:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:44:00

Time Test Ended: 20:52:00

Interval: 4854.00 ft (KB) To 4915.00 ft (KB) (TVD)

Total Depth: 5150.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Reference Elevations: 1612.00 ft (KB)

1598.00 ft (CF)

KB to GR/CF: 14.00 ft

Serial #: 6663

Inside

Press @ RunDepth: 179.47 psia @ 4912.75 ft (KB)

Start Date: 2012.04.11

End Date:

2012.04.11

Start Time: 09:14:00

End Time:

20:52:00

Capacity: 5000.00 psia

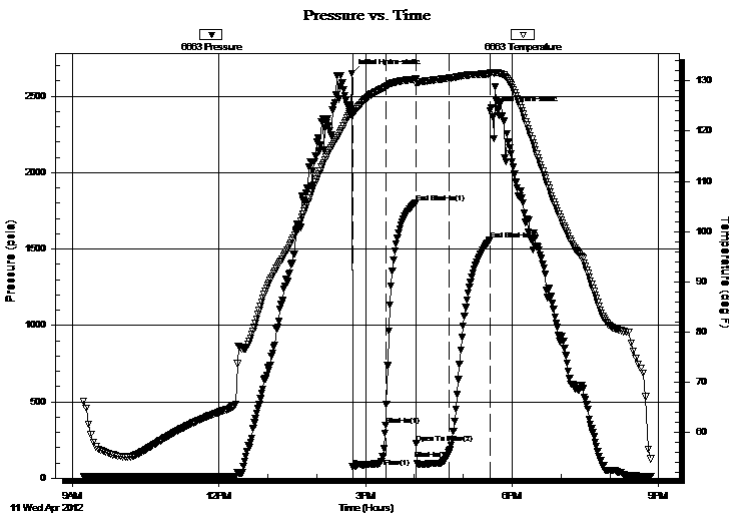
Last Calib.: 2012.04.12

Time On Btm: 2012.04.11 @ 14:43:30

Time Off Btm: 2012.04.11 @ 17:33:00

TEST COMMENT: 1st Open 30 minutes Weak surface blow
1st Shut in 45 minutes No blow back
2nd Open 30 minutes Weak surface blow
2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2650.92	124.09	Initial Hydro-static
1	73.97	123.49	Open To Flow (1)
41	344.97	128.80	Shut-In(1)
79	1804.06	130.32	End Shut-In(1)
79	228.87	129.40	Open To Flow (2)
120	179.47	130.52	Shut-In(2)
169	1558.77	131.38	End Shut-In(2)
170	2405.24	131.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
76.00	Drilling mud 100%	1.07

Gas Rates

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



DRILL STEM TEST REPORT

LB Exploration
 2135 2nd RD. Holyrood
 Kansas 67450
 ATTN: Steven Petermann

15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17284 **DST#: 5**
 Test Start: 2012.04.11 @ 09:13:00

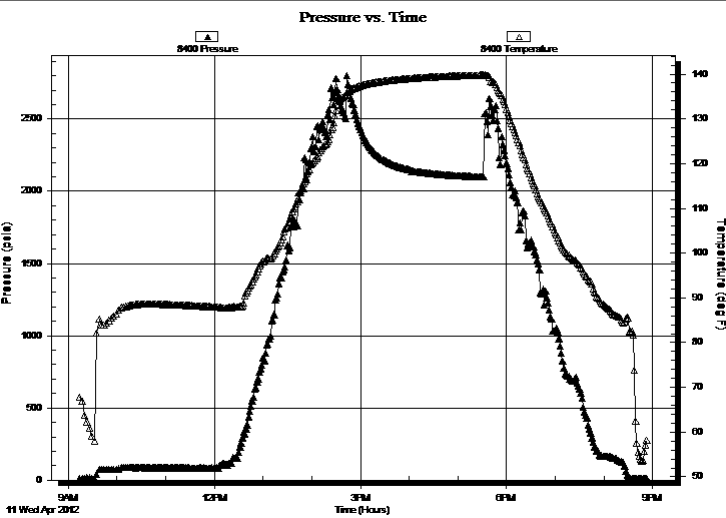
GENERAL INFORMATION:

Formation: Viola			
Deviated: No Whipstock: ft (KB)		Test Type: Conventional Straddle (Initial)	
Time Tool Opened: 14:44:00		Tester: Dustin Ellis	
Time Test Ended: 20:52:00		Unit No: 3315-Pratt-80	
Interval: 4854.00 ft (KB) To 4915.00 ft (KB) (TVD)		Reference Elevations: 1612.00 ft (KB)	
Total Depth: 5150.00 ft (KB) (TVD)		1598.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 14.00 ft	

Serial #: 8400 Outside

Press @ RunDepth: psia @ 5147.62 ft (KB)	Capacity: 5000.00 psia
Start Date: 2012.04.11 End Date: 2012.04.11	Last Calib.: 2012.04.12
Start Time: 09:14:00 End Time: 20:52:30	Time On Btm: Time Off Btm:

TEST COMMENT: 1st Open 30 minutes Weak surface blow
 1st Shut in 45 minutes No blow back
 2nd Open 30 minutes Weak surface blow
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
76.00	Drilling mud 100%	1.07

Gas Rates

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



DRILL STEM TEST REPORT

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17284

DST#: 5

ATTN: Steven Petermann

Test Start: 2012.04.11 @ 09:13:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:44:00

Time Test Ended: 20:52:00

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 3315-Pratt-80

Interval: 4854.00 ft (KB) To 4915.00 ft (KB) (TVD)

Reference Elevations: 1612.00 ft (KB)

Total Depth: 5150.00 ft (KB) (TVD)

1598.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 93335 Outside

Press @ RunDepth: psia @ 4913.75 ft (KB)

Capacity: psia

Start Date: 2012.04.11 End Date: 2012.04.11

Last Calib.: 2012.04.12

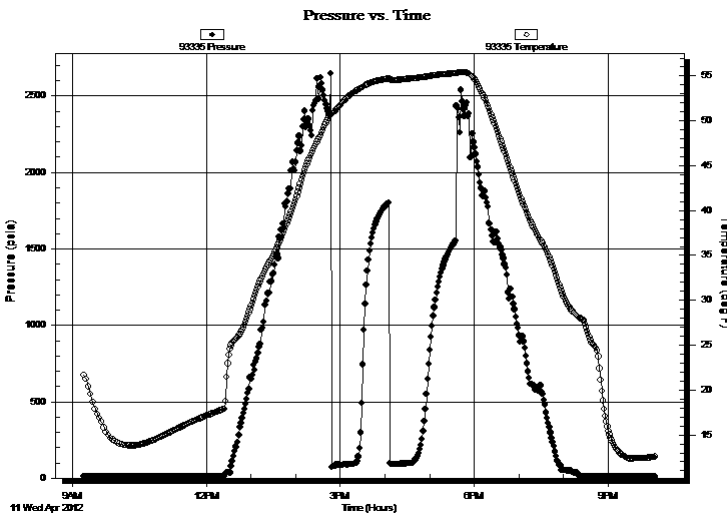
Start Time: 09:15:30 End Time: 22:03:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 1st Open 30 minutes Weak surface blow
1st Shut in 45 minutes No blow back
2nd Open 30 minutes Weak surface blow
2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
76.00	Drilling mud 100%	1.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17284

DST#: 5

ATTN: Steven Petermann

Test Start: 2012.04.11 @ 09:13:00

Tool Information

Drill Pipe:	Length: 4852.00 ft	Diameter: 3.80 inches	Volume: 68.06 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 68.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4854.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4914.75 ft			
Interval between Packers:	60.75 ft			
Tool Length:	320.62 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			4834.00	
Hydraulic Tool	5.00			4839.00	
Jars	6.00			4845.00	
Safety Joint	2.00			4847.00	
Top Packer	5.00			4852.00	
Packer	2.00			4854.00	25.00 Bottom Of Top Packer
Perforations	2.00			4856.00	
C.O. Sub	0.75			4856.75	
Drill Pipe	31.25			4888.00	
Change Over Sub	0.75			4888.75	
Perforations	23.00			4911.75	
Recorder	1.00	6663	Inside	4912.75	
Recorder	1.00	93335	Outside	4913.75	
Blank Off Sub	1.00			4914.75	60.75 Tool Interval
Packer	5.00			4919.75	
C.O. Sub	0.75			4920.50	
Drill Pipe	217.37			5137.87	
C.O. Sub	0.75			5138.62	
Anchor	8.00			5146.62	
Recorder	1.00	8400	Outside	5147.62	
Bullnose	2.00			5149.62	234.87 Bottom Packers & Anchor

Total Tool Length: 320.62



DRILL STEM TEST REPORT

FLUID SUMMARY

LB Exploration

15-33s-13w-Barber

2135 2nd RD. Holyrood
Kansas 67450

Wolkins 15 #1

Job Ticket: 17284

DST#: 5

ATTN: Steven Petermann

Test Start: 2012.04.11 @ 09:13:00

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
76.00	Drilling mud 100%	1.066

Total Length: 76.00 ft Total Volume: 1.066 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

