



KANSAS CORPORATION COMMISSION 1104981
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 SLOW
- 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 #: _____

<u>4/1/2012</u>	<u>4/13/2012</u>	<u>11/20/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23860-00-00
Spot Description: _____
E2 SE SE Sec. 15 Twp. 33 S. R. 13 East West
660 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barber
Lease Name: Wolkins 15 Well #: 1
Field Name: _____
Producing Formation: Lansing
Elevation: Ground: 1599 Kelly Bushing: 1612
Total Depth: 5150 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 356 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: 130000 ppm Fluid volume: 240 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite: _____
Operator Name: BEMCO
Lease Name: Mac License #: 32613
Quarter NW Sec. 7 Twp. 32 S. R. 11 East West
County: Barber Permit #: D21045

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 Garrison Date: 12/19/2012



1104981

Operator Name: LB Exploration, Inc. Lease Name: Wolkins 15 Well #: 1
 Sec. 15 Twp. 33 S. R. 13 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>Heebner</td> <td>3751</td> <td>-2139</td> </tr> <tr> <td>Lansing</td> <td>3946</td> <td>-2334</td> </tr> <tr> <td>BKC</td> <td>4392</td> <td>-2780</td> </tr> <tr> <td>Mississippi</td> <td>4489</td> <td>-2877</td> </tr> <tr> <td>Viola</td> <td>4814</td> <td>-3202</td> </tr> <tr> <td>Simpson Sand</td> <td>4961</td> <td>-3349</td> </tr> <tr> <td>Arbuckle</td> <td>5060</td> <td>-3448</td> </tr> </table>	Name	Top	Datum	Heebner	3751	-2139	Lansing	3946	-2334	BKC	4392	-2780	Mississippi	4489	-2877	Viola	4814	-3202	Simpson Sand	4961	-3349	Arbuckle	5060	-3448
Name	Top	Datum																							
Heebner	3751	-2139																							
Lansing	3946	-2334																							
BKC	4392	-2780																							
Mississippi	4489	-2877																							
Viola	4814	-3202																							
Simpson Sand	4961	-3349																							
Arbuckle	5060	-3448																							

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
Surface	12.25	8.625	23	356	Class A	200	2% gel 3% cc
Production	7.875	5.5	14	5066	AA2	250	6% salt 5% gilsonite

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(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

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>S33</i>	RANGE <i>13W</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Wakim</i>		WELL# <i>1</i>	LOCATION <i>1/2 to Gyphill Rd. South 8 1/2 miles to Rig sign, west into</i>		COUNTY <i>Butler</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) _____							

CONTRACTOR <i>Wingsch Drilling #101</i>		OWNER <i>LB Exploration</i>
TYPE OF JOB <i>Spud</i>		
HOLE SIZE <i>12 1/4</i>	T.D. <i>360</i>	CEMENT
CASING SIZE <i>8 7/8</i>	DEPTH <i>356</i>	AMOUNT ORDERED <i>200 sq Class A +3% cct</i>
TUBING SIZE	DEPTH	<i>2% Gel</i>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PPRS. MAX <i>200</i>	MINIMUM	
MEAS. LINE	SHOE JOINT	
CEMENT LEFT IN CSG. <i>15'</i>		
PERES		
DISPLACEMENT <i>2 1/2</i>		

COMMON <i>Class A 200</i>	@ <i>16.25</i>	<i>3,250</i>
POZMIX	@	
GEL <i>4</i>	@ <i>21.25</i>	<i>85</i>
CHLORIDE <i>7</i>	@ <i>58.20</i>	<i>407.4</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <i>211</i>	@ <i>2.25</i>	<i>474.75</i>
MILEAGE <i>15 x 11 x 211</i>		<i>348.15</i>
TOTAL		<i>4,565.90</i>

EQUIPMENT

PUMP TRUCK <i>#260/265</i>	CEMENTER <i>Jason Thinesch</i>
BULK TRUCK <i>#364</i>	HELPER <i>Matt Thinesch</i>
BULK TRUCK	DRIVER <i>Brett Gains</i>
BULK TRUCK	DRIVER

REMARKS:
*BK circ w/ rig, Asp 311 1/2, mid pump
200 sq, Asp 211/11, Did circ cement
clear 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

Wood Plug <i>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. Loring*

BASIC

energy services, L.P.

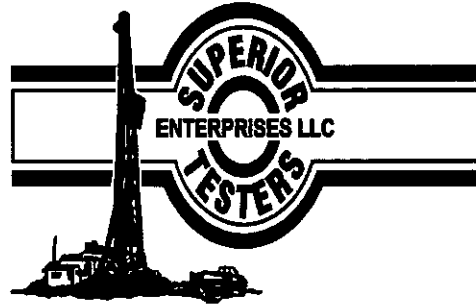
TREATMENT REPORT

Customer CBE 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	CMT -	Acid	Rate	Press	ISIP	
5 1/2" x 14"				255K AA-2				6 Min.
Depth	Depth	From	To	Pre Pad	Max			10 Min.
5016'				@ 2.1 CUFT				15 Min.
Volume	Volume	From	To	Post	Min			
123.61 BBL				255K AA-2	SS = 42.14'			
Max Press	Max Press	From	To	Frac	Avg			
1200				@ 1.54 CUFT				
Well Completion	Annulus Vol.	From	To		HHP Used			Annulus Pressure
P.C.								
Plug Depth	Pecker Depth	From	To	Flush	Gas Volume			Total Load
5223.86'				122.5 - 2% KCL @ 10'				

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 225 SKS. AA-2 @ 14.8 PPG
4:34 AM					CLEAR PUMP & LINE / DROPL.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 -
					KAEVEN 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

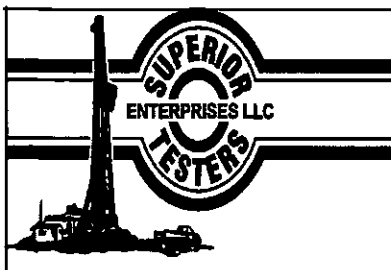
15-33s-13w-Barber

Wolkins 15 #1

DST # 1

Elgin sand

2012.04.05



DRILL STEM TEST REPORT

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

15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17280 **DST#: 1**
 Test Start: 2012.04.05 @ 07:16:00

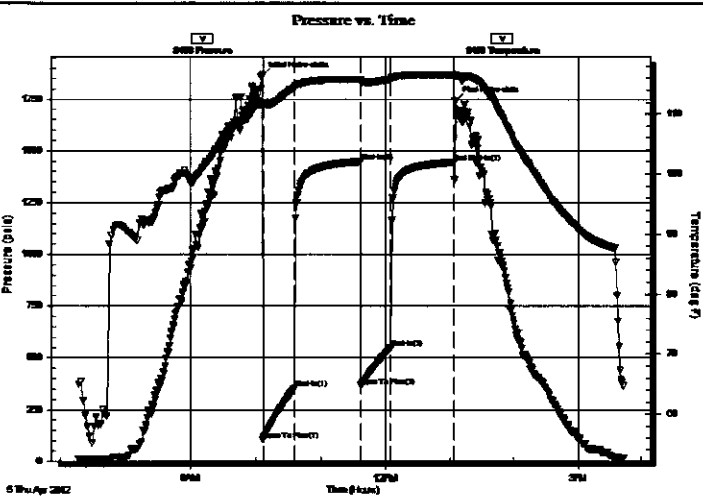
GENERAL INFORMATION:

Formation: **Egin sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:06:30
 Time Test Ended: 15:43:30
 Interval: **3552.00 ft (KB) To 3626.00 ft (KB) (TVD)**
 Total Depth: 3626.00 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

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

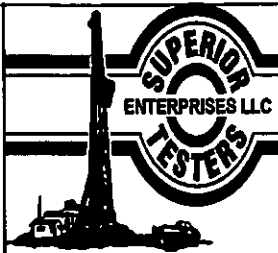
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1865.30	111.81	Initial Hydro-static
1	105.59	111.44	Open To Flow (1)
30	355.03	114.35	Shut-in(1)
90	1447.33	115.79	Shut-in(2)
91	365.56	115.40	Open To Flow (2)
119	548.38	115.80	Shut-in(3)
178	1444.16	116.52	End Shut-in(1)
180	1742.84	116.47	Final 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
 2135 2nd RD. Holyrood
 Kansas 67450
 ATTN: Steven Petermann

15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17280 **DST#: 1**
 Test Start: 2012.04.05 @ 07:16:00

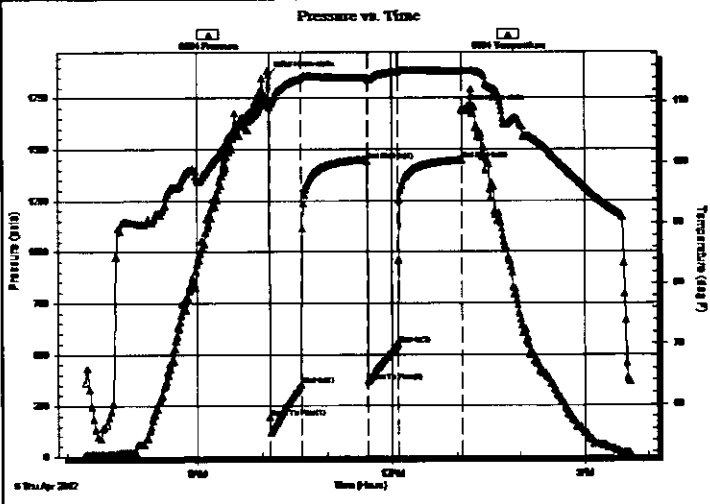
GENERAL INFORMATION:

Formation: **Egin sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:06:30
 Time Test Ended: 15:43:30
 Interval: **3552.00 ft (KB) To 3626.00 ft (KB) (TVD)**
 Total Depth: 3626.00 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 #: 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

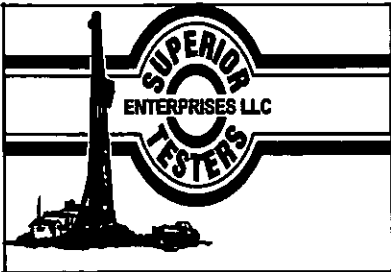
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1862.89	110.25	Initial Hydro-static
1	194.82	109.17	Open To Flow (1)
30	354.19	113.87	Shut-in(1)
91	1442.73	114.01	End Shut-in(1)
91	367.81	113.70	Open To Flow (2)
119	551.49	115.01	Shut-in(2)
179	1446.85	115.09	End Shut-in(2)
179	1696.04	115.16	Final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

bbl

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 bbl
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

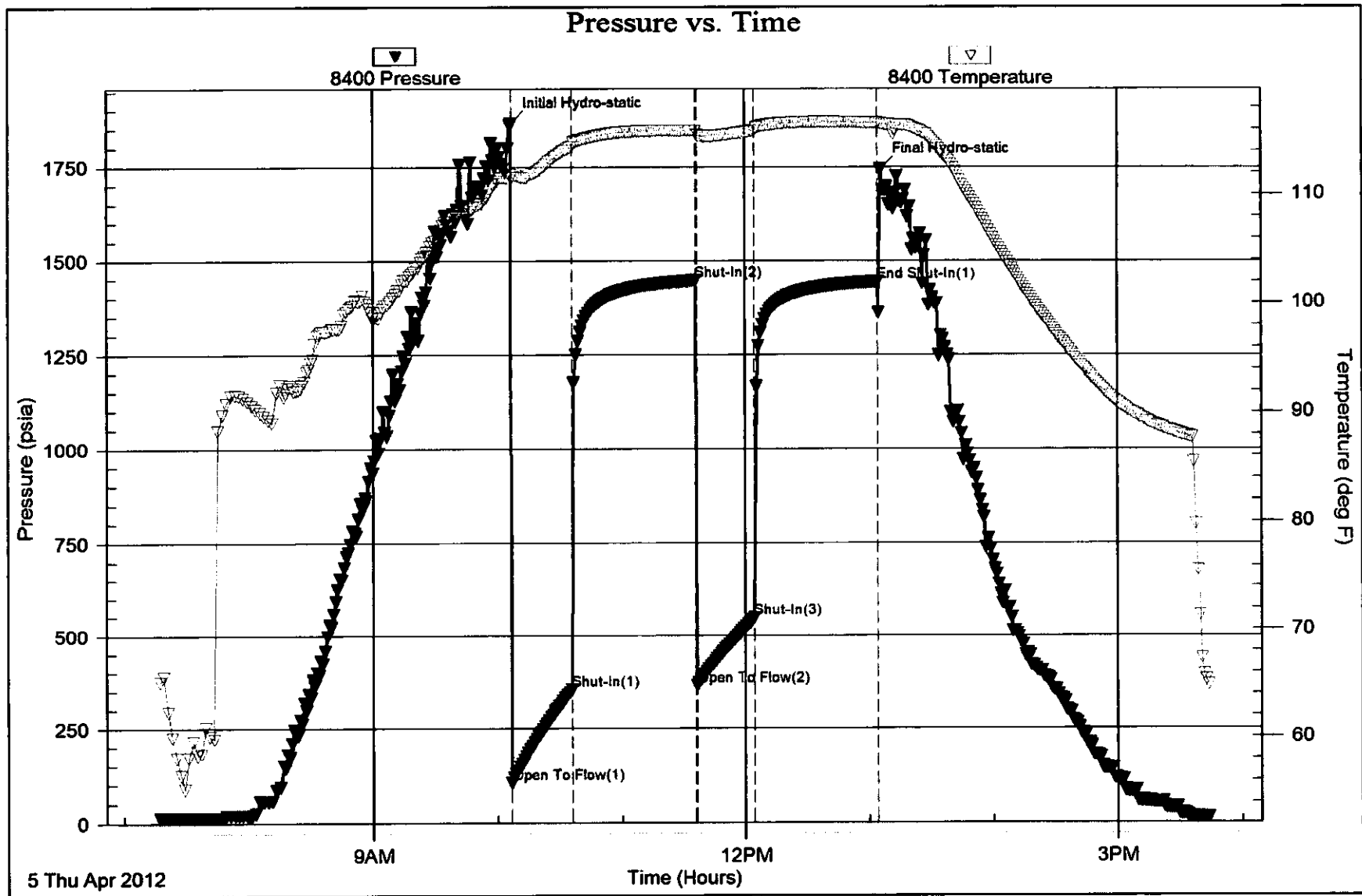
Num Gas Bombs: 0

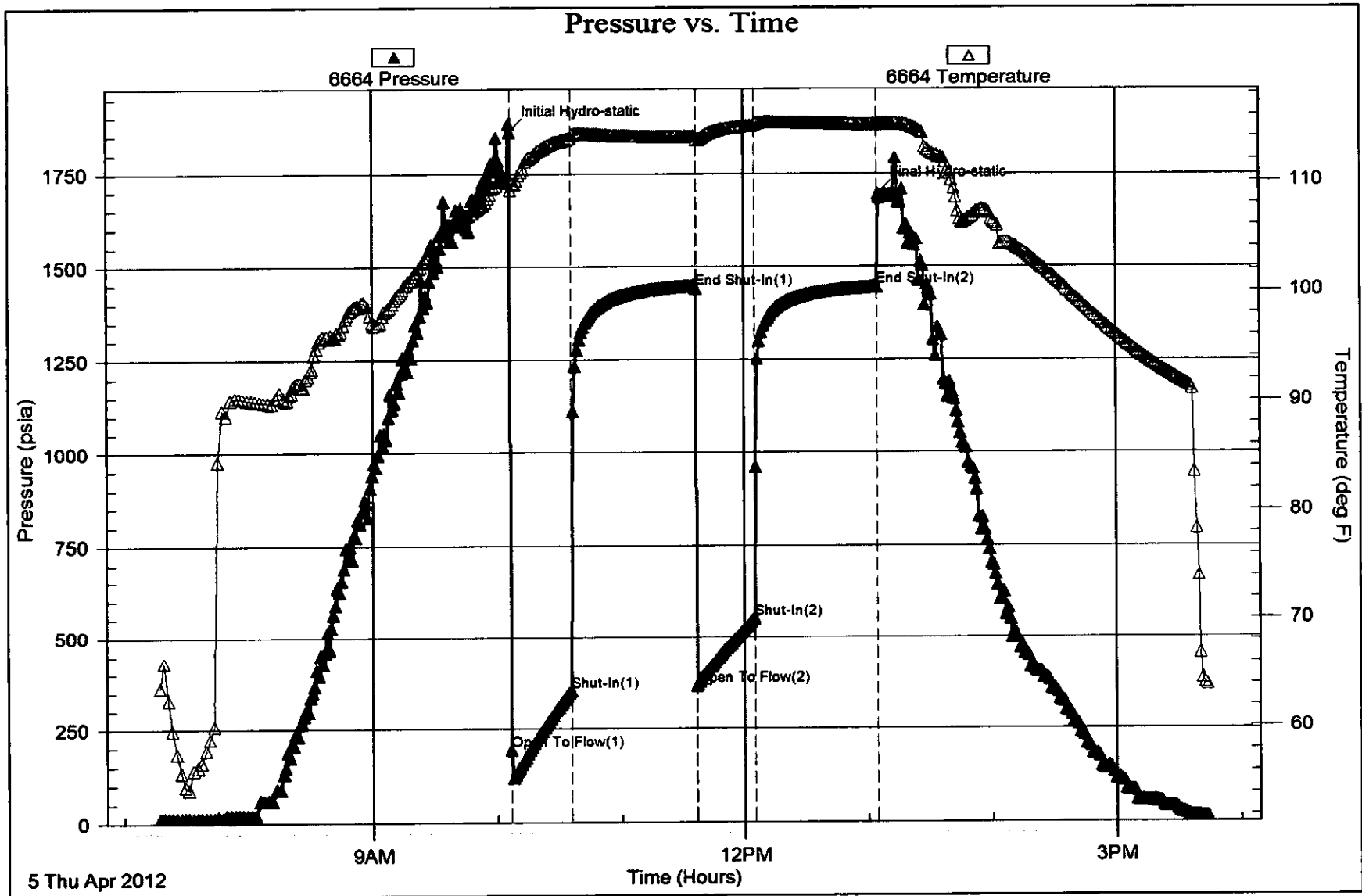
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

2135 2nd RD. Holyrood
Kansas 67450

ATTN: Steven Petemann

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

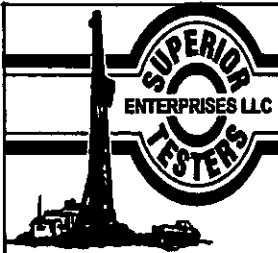
15-33s-13w-Barber

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

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

Total Depth: 4354.00 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: 214.29 psia @ 4350.00 ft (KB)

Start Date: 2012.04.07

End Date: 2012.04.07

Start Time: 09:53:00

End Time: 18:46:30

Capacity: 5000.00 psia

Last Calib.: 2012.04.07

Time On Btm: 2012.04.07 @ 12:17:30

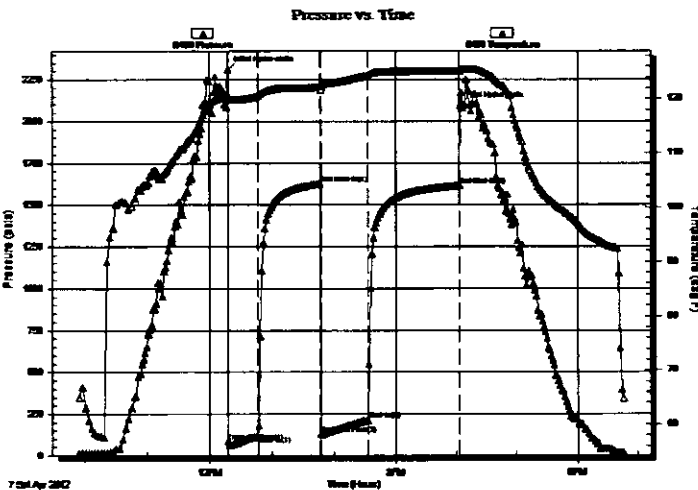
Time Off Btm: 2012.04.07 @ 16:04:00

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

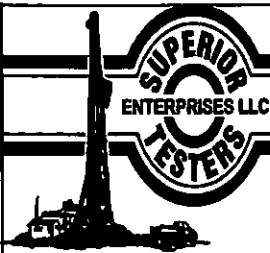
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2309.25	120.81	Initial Hydro-static
1	86.39	119.98	Open To Flow (1)
30	120.51	120.55	Shut-in(1)
90	1624.94	122.24	End Shut-in(1)
90	130.79	121.64	Open To Flow (2)
136	214.29	124.31	Shut-in(2)
226	1615.15	125.21	End Shut-in(2)
227	2092.47	125.34	Final 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% mud 20% w ater 30% oil	0.00
62.00	Gassy oil cut w ater mud	0.87
0.00	30% w ater 30% 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:

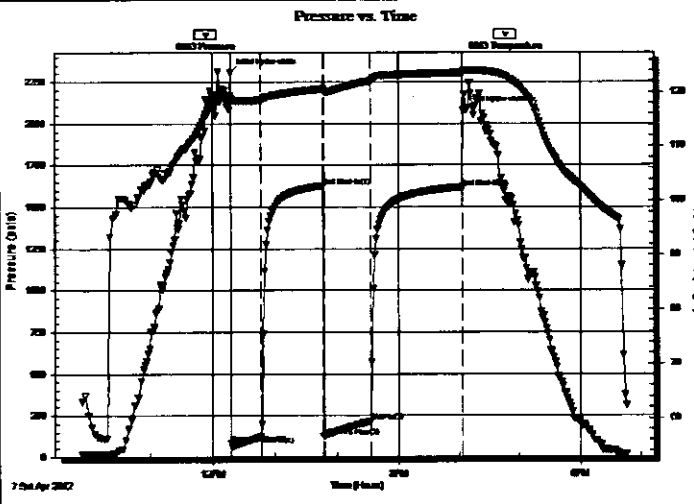
Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:18:00
 Time Test Ended: 18:46:30
 Interval: **4319.00 ft (KB) To 4354.00 ft (KB) (TVD)**
 Total Depth: 4354.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 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 #: 6663

Outside

Press@RunDepth: 1617.62 psia @ 4351.00 ft (KB)
 Start Date: 2012.04.07 End Date: 2012.04.07 Capacity: 5000.00 psia
 Start Time: 09:53:00 End Time: 18:46:30 Last Calib.: 2012.04.07
 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

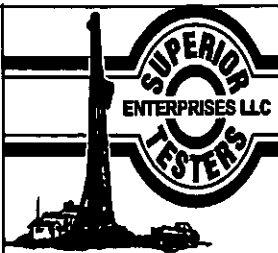
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2308.31	119.28	Initial Hydro-static
1	85.89	118.65	Open To Flow (1)
30	123.73	118.52	Shut-in(1)
90	1627.15	120.53	End Shut-in(1)
90	124.94	120.09	Open To Flow (2)
136	217.28	122.03	Shut-in(2)
226	1617.62	123.55	End Shut-in(2)
227	2081.21	123.66	Final 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 water	0.87
0.00	50% mud 20% water 30% oil	0.00
62.00	Gassy oil cut water mud	0.87
0.00	30% water 30% 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
 2135 2nd RD. Holyrood
 Kansas 67450
 ATTN: Steven Petermann

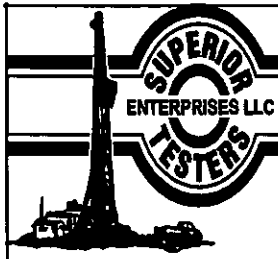
15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17281 **DST#: 2**
 Test Start: 2012.04.07 @ 09:53:00

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	
Hydrolic 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	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.40 in ³	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 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 water	0.870
0.00	50%mud20%water30%oil	0.000
62.00	Gassy oil cut watery mud	0.870
0.00	30%water30%oil 40%gas	0.000
124.00	Oil cut water 5%oil 95%water	1.739
62.00	Muddy water 20%mud 80%water	0.870
0.00		0.000

Total Length: 419.00 ft Total Volume: 5.878 bbl

Num Fluid Samples: 0

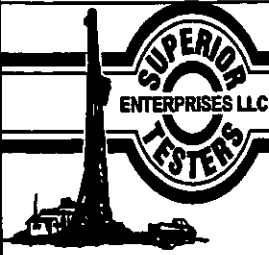
Num Gas Bombs: 0

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

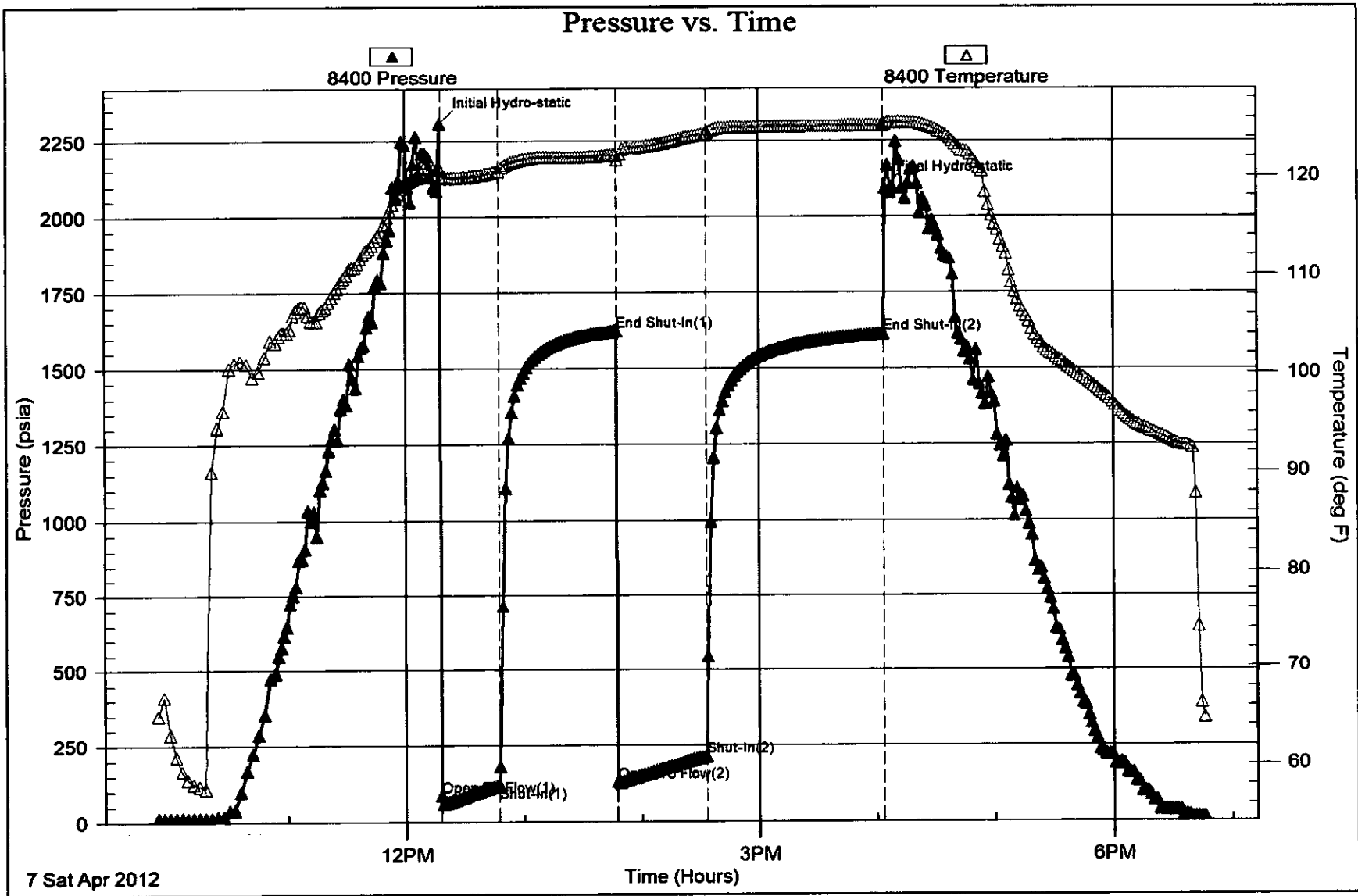
Test Start: 2012.04.07 @ 09:53:00

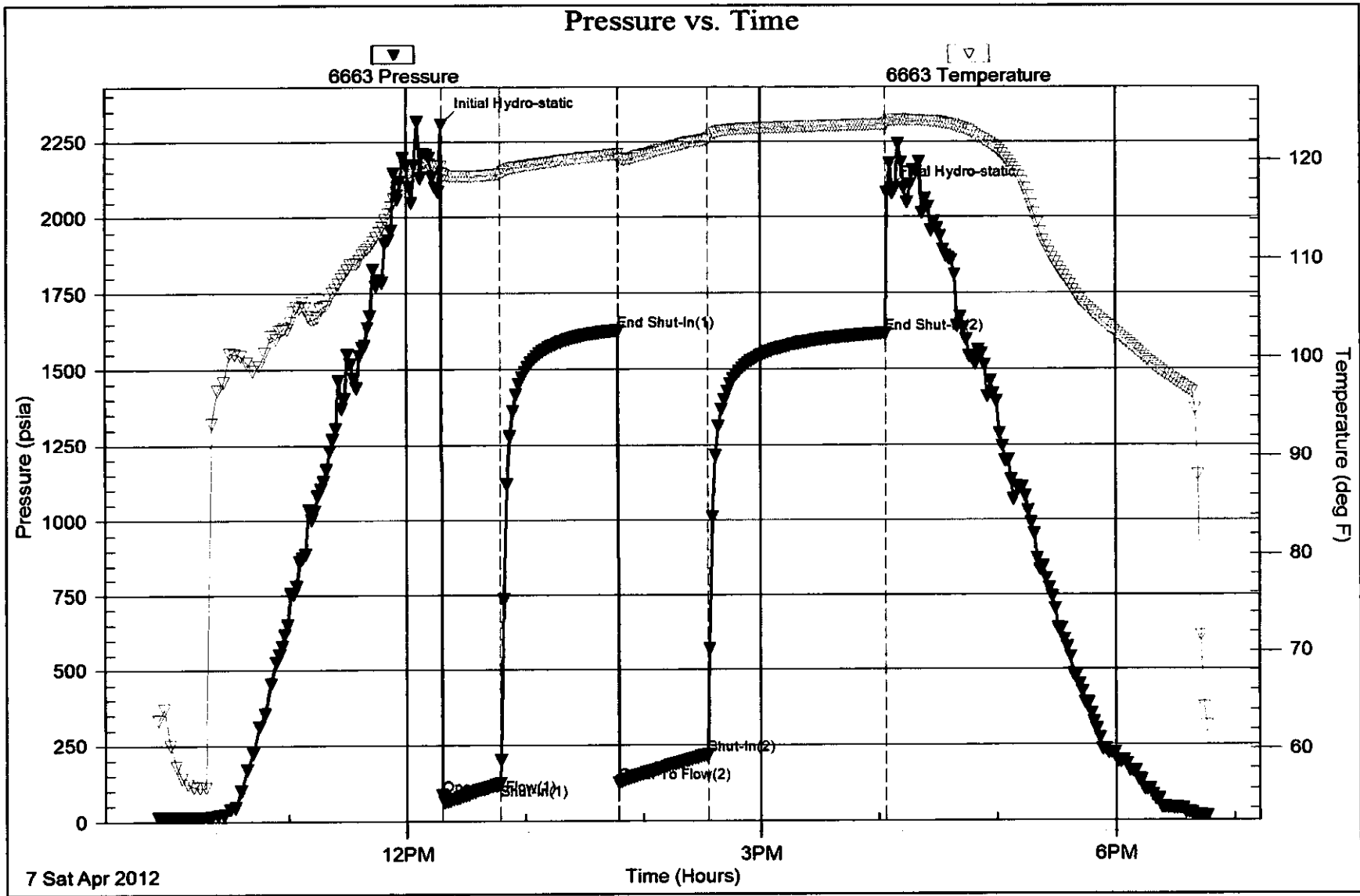
Gas Rates Information

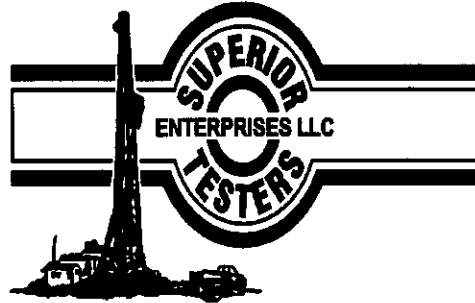
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Eapsed 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

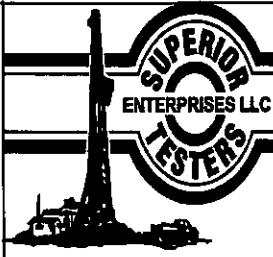
End Date: 2012.04.08 @ 10:25:00

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

15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17282 **DST#: 3**
 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

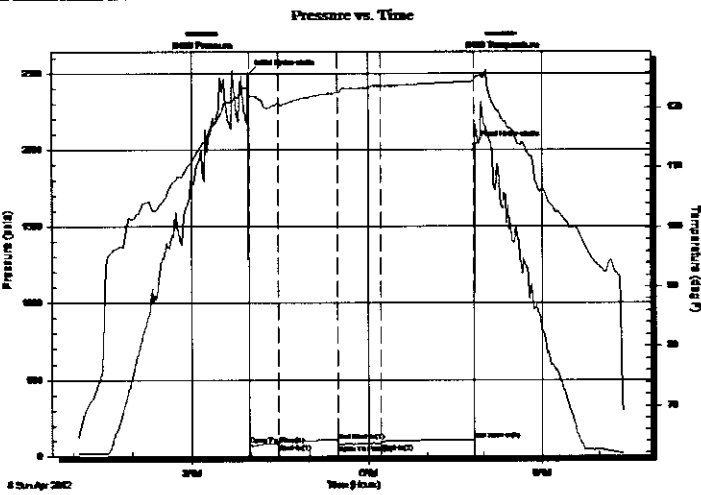
Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Pratt-80

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

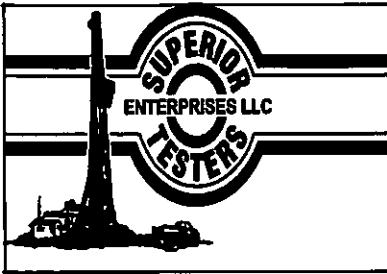
TEST COMMENT: 1st Open 30 minutes Strong building blow blew bottom bucket 3 minutes
 1st Shut in 60 minutes No blow back
 2nd Open 45 minutes Strong blow blew bottom bucket 1 minute.
 2nd Shut in 90 minutes No blow back



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

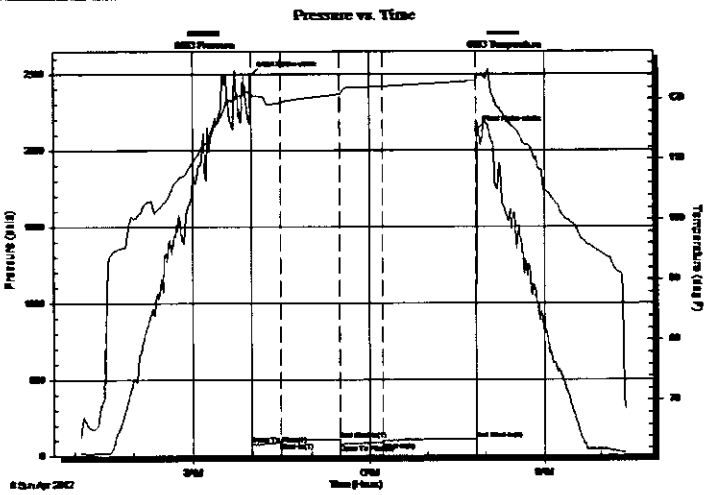
Start Time: 01:05:31

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

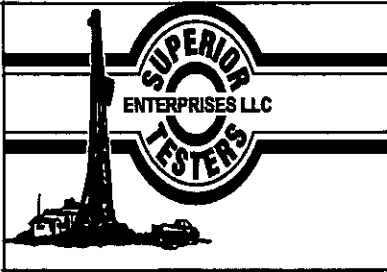
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2495.70	121.37	Initial Hydro-static
1	73.99	120.77	Open To Flow (1)
30	83.71	119.36	Shut-in(1)
90	103.31	120.77	End Shut-in(1)
90	73.43	120.76	Open To Flow (2)
134	83.69	122.11	Shut-in(2)
232	104.80	123.05	End Shut-in(2)
232	2131.25	123.67	Final Hydro-static

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

15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17282 **DST#:3**
 Test Start: 2012.04.08 @ 01:05:00

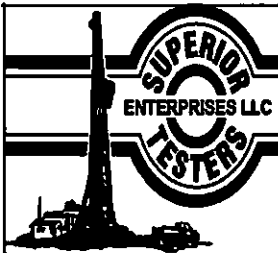
Tool Information

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
			<u>Total Volume: 62.72 bbl</u>	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: bbl		
Water Loss: 11.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

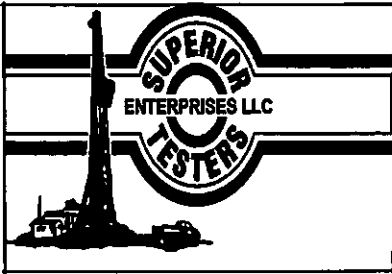
Length ft	Description	Volume bbl
64.00	Drilling mud 100%	0.898

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

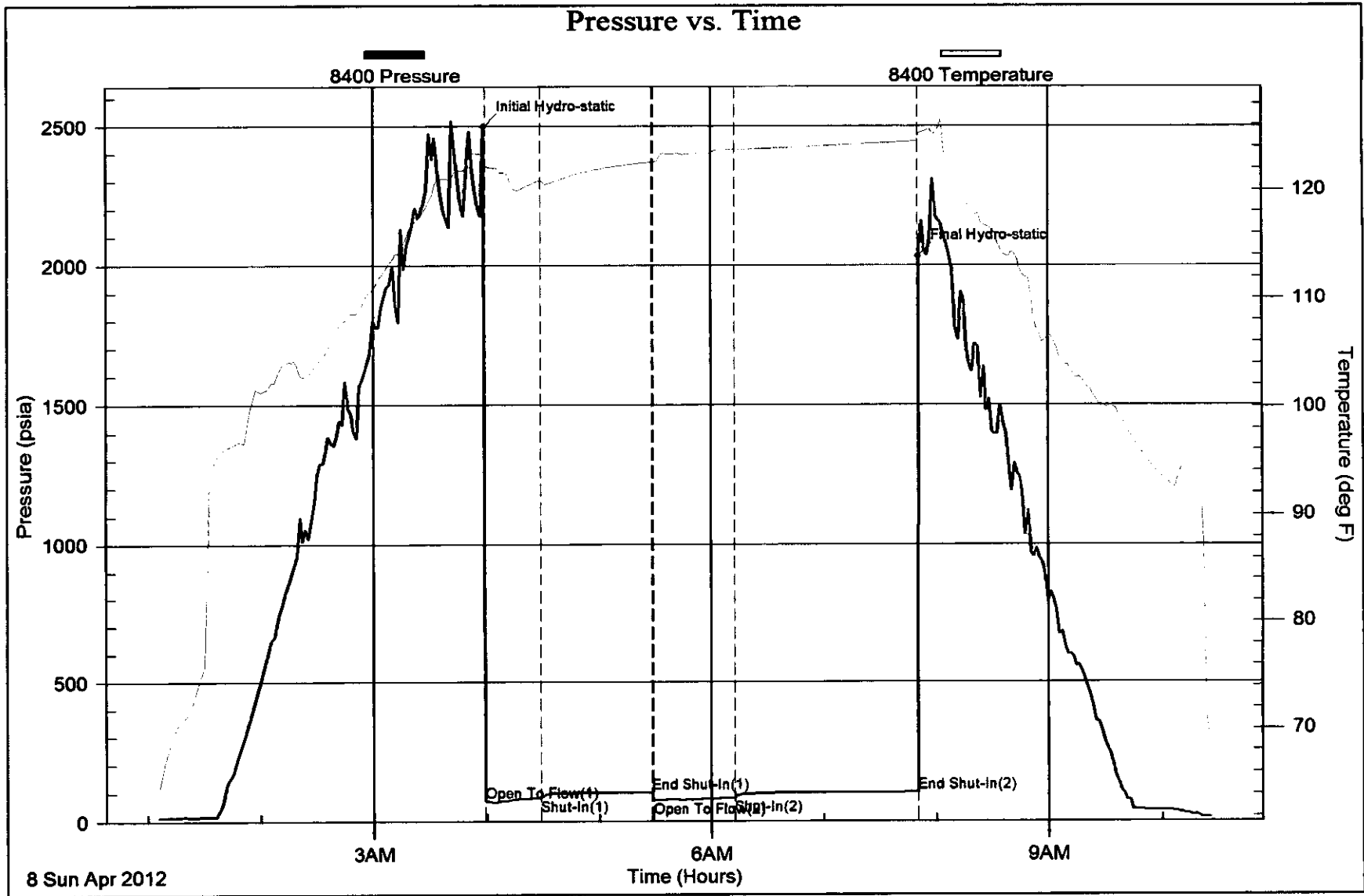
15-33s-13w-Barber
Wolkins 15 #1
Job Ticket: 17282 **DST#: 3**
Test Start: 2012.04.08 @ 01:05:00

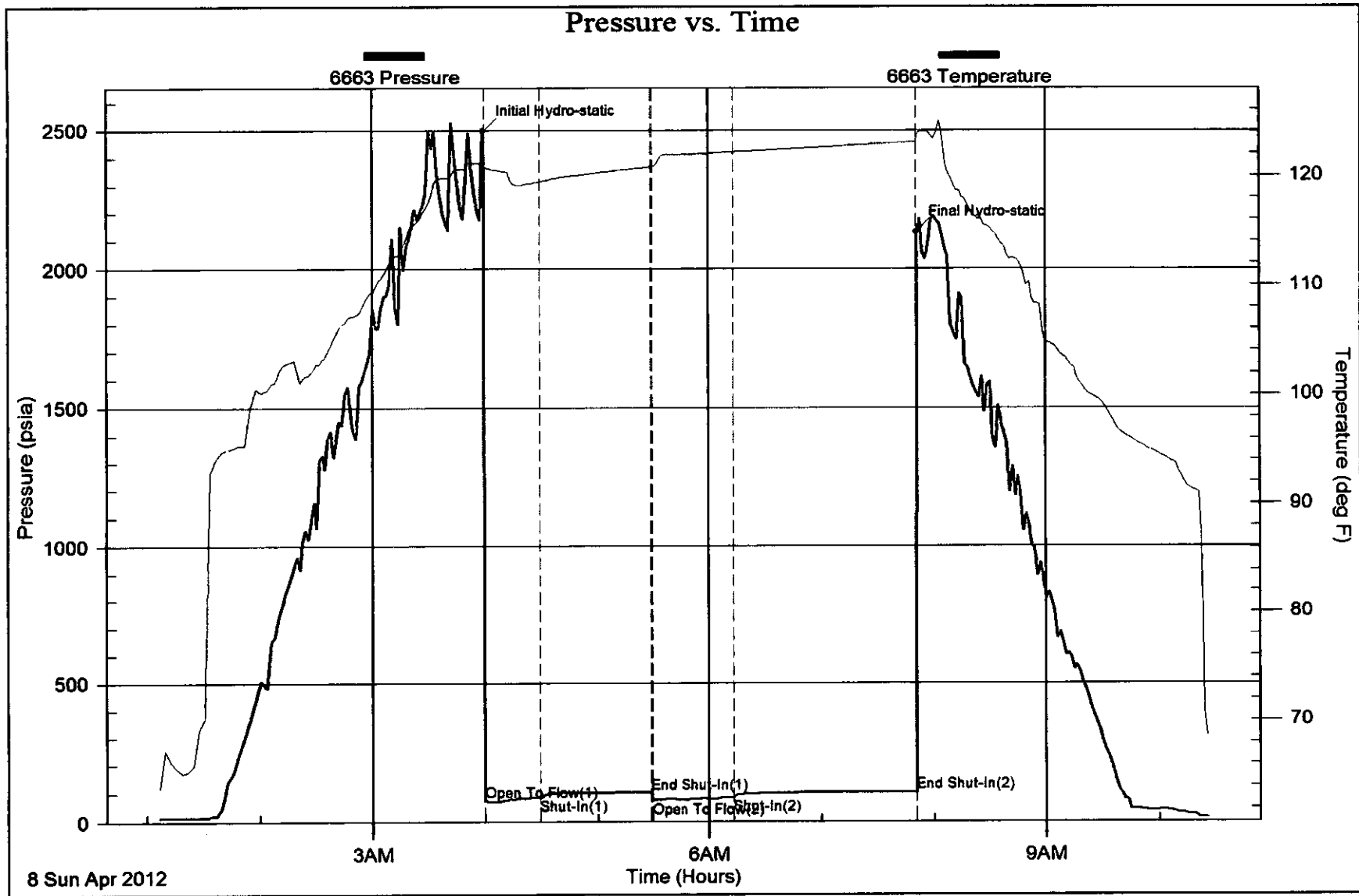
Gas Rates Information

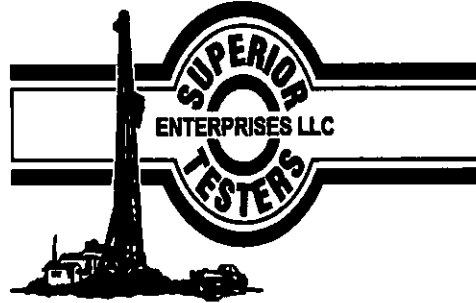
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

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







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

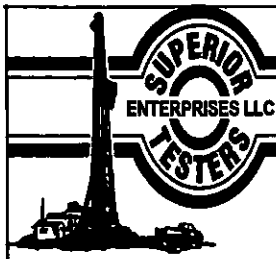
15-33s-13w-Barber

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

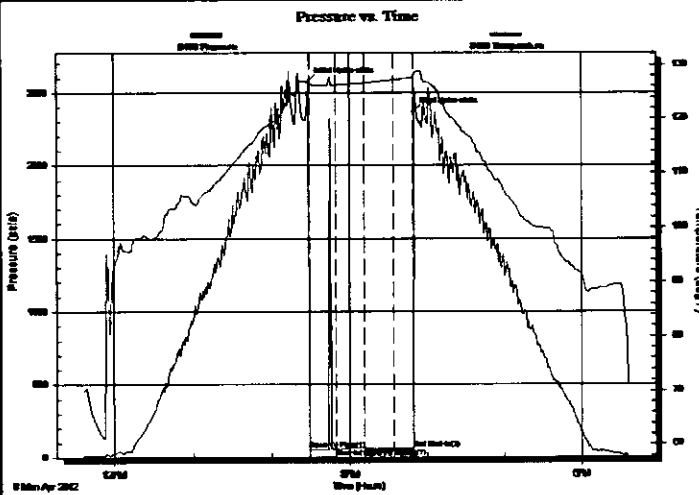
Time Off Btm: 2012.04.09 @ 15:50:00

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

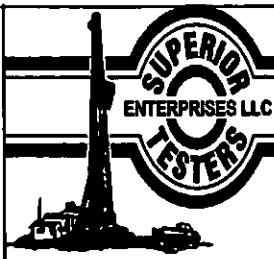
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2575.78	127.06	Initial Hydro-static
1	53.51	126.31	Open To Flow (1)
21	54.57	126.30	Shut-in(1)
42	68.66	126.69	End Shut-in(1)
43	53.62	126.69	Open To Flow (2)
65	54.31	127.22	Shut-in(2)
81	59.77	127.59	End Shut-in(2)
82	2366.32	128.52	Final Hydro-static

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)**

Total Depth: 4830.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1612.00 ft (KB)

1598.00 ft (CF)

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

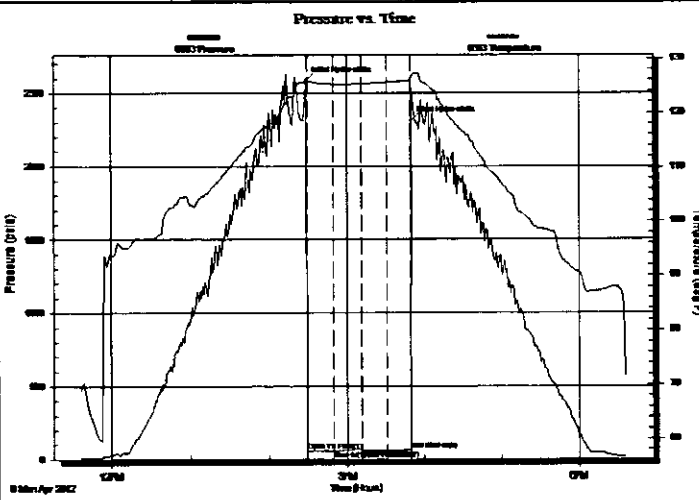
Start Time: 11:36:00

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

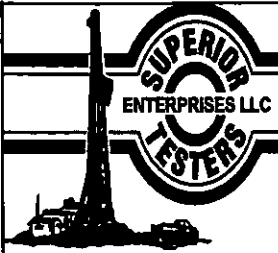
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2582.32	126.25	Initial Hydro-static
1	55.27	125.75	Open To Flow (1)
21	56.57	125.26	Shut-In(1)
42	71.49	125.36	End Shut-In(1)
43	55.48	125.36	Open To Flow (2)
63	55.79	125.63	Shut-In(2)
81	62.20	125.94	End Shut-In(2)
82	2308.40	126.95	Final Hydro-static

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

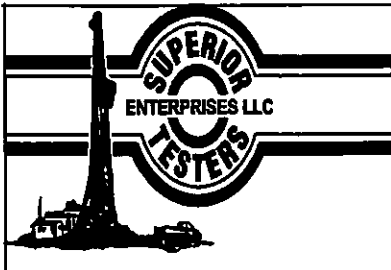
15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17283 **DST#: 4**
 Test Start: 2012.04.09 @ 11:36:00

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

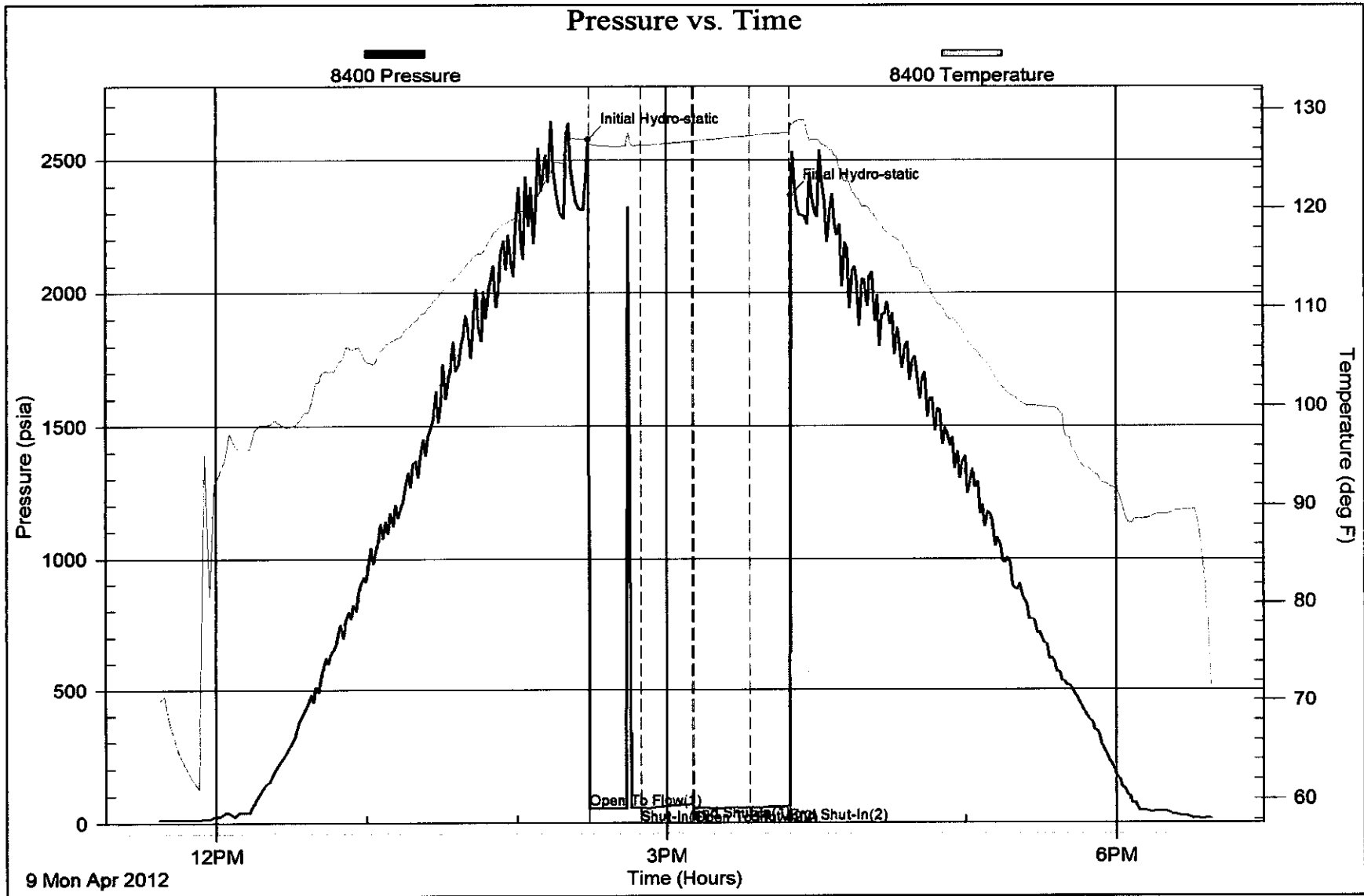
Num Gas Bombs: 0

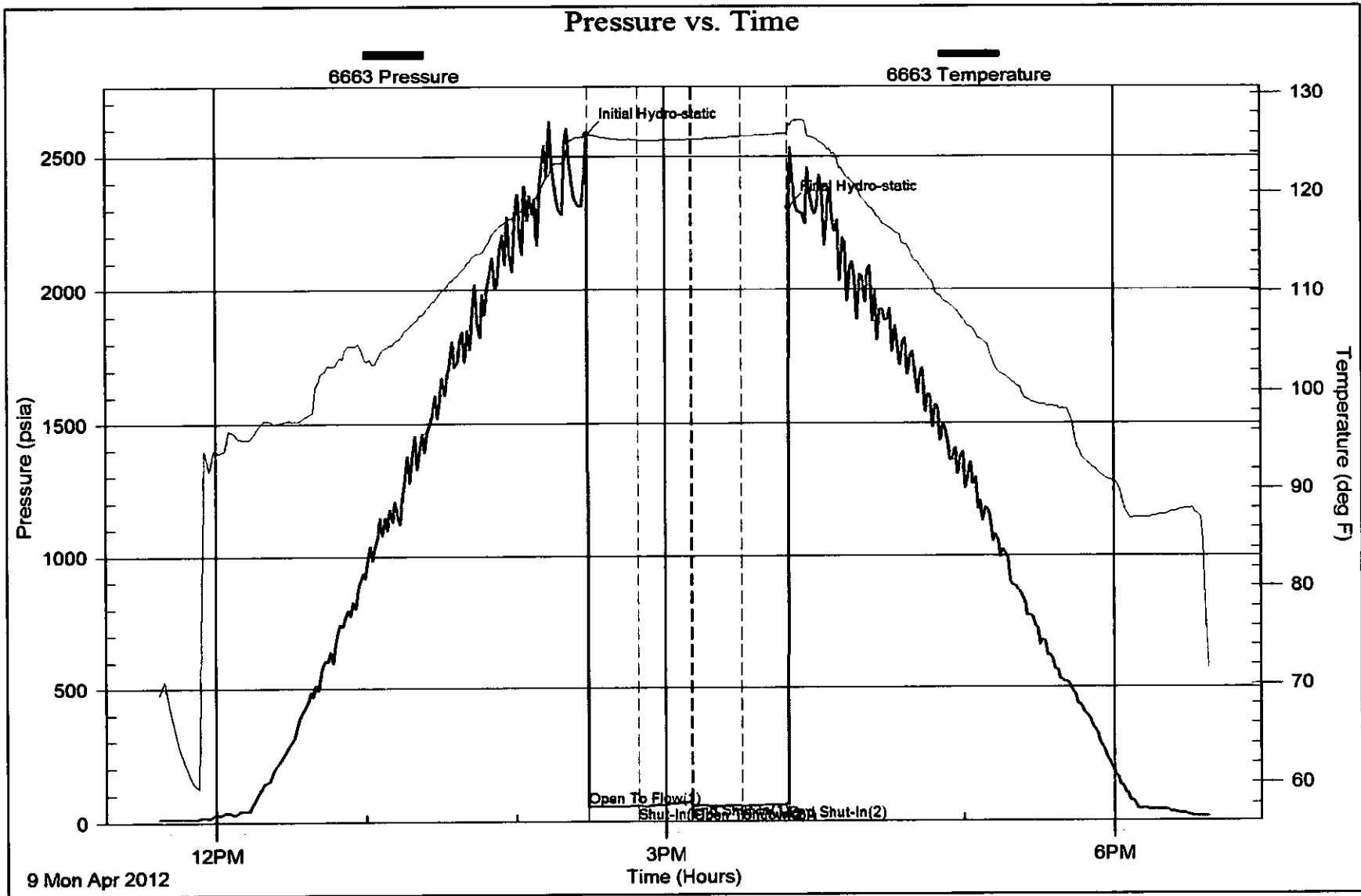
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







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

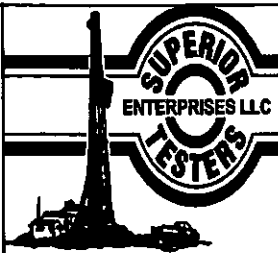
End Date: 2012.04.11 @ 20:52:00

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

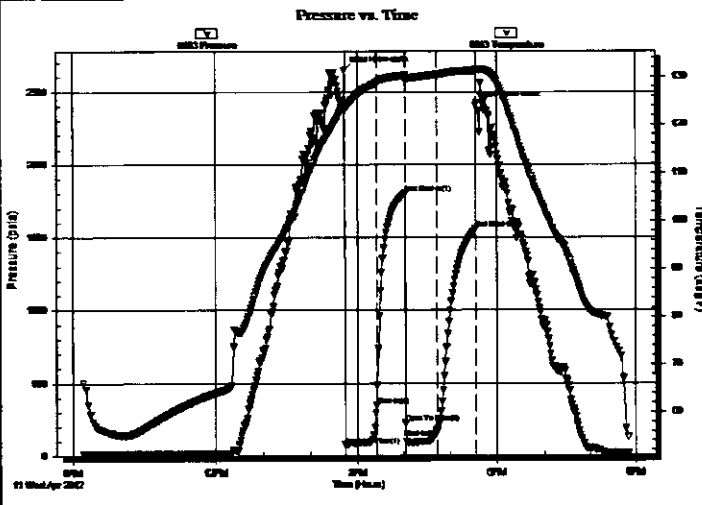
Test Start: 2012.04.11 @ 09:13:00

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 Btrc: 2012.04.11 @ 14:43:30
 Time Off Btrc: 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

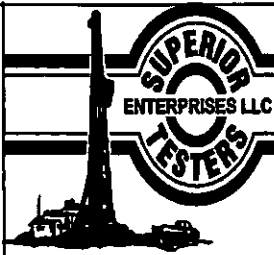
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2650.92	124.09	Initial Hydro-static
1	73.97	123.49	Open To Flow (1)
41	344.97	128.80	Shut-in(1)
79	1804.06	130.32	End Shut-in(1)
79	228.87	129.40	Open To Flow (2)
120	179.47	130.52	Shut-in(2)
169	1558.77	131.38	End Shut-in(2)
170	2405.24	131.59	Final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

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)**
 Total Depth: 5150.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1612.00 ft (KB)
 1598.00 ft (CF)
 KB to GR/CF: 14.00 ft

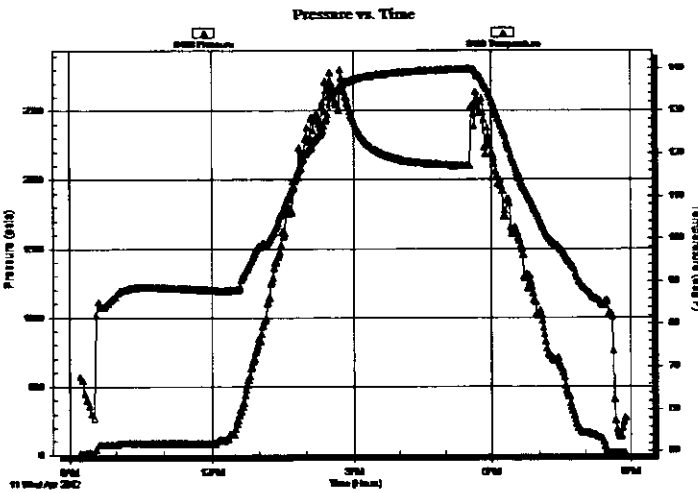
Serial #: 8400

Outside

Press@RunDepth: _____ psia @ 5147.62 ft (KB)
 Start Date: 2012.04.11 End Date: 2012.04.11
 Start Time: 09:14:00 End Time: 20:52:30

Capacity: 5000.00 psia
 Last Calib.: 2012.04.12
 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

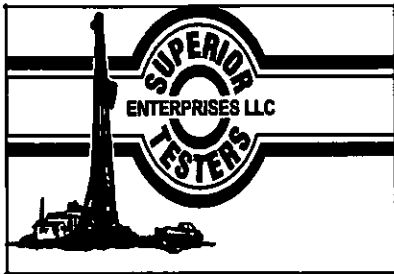
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

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
 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

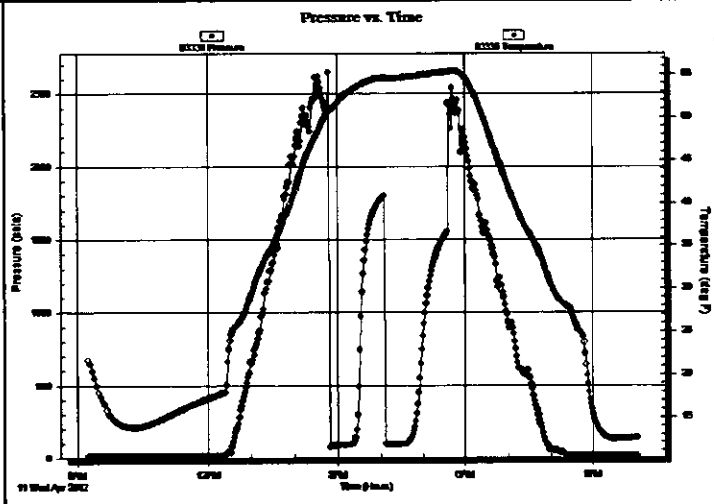
GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 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 #: 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

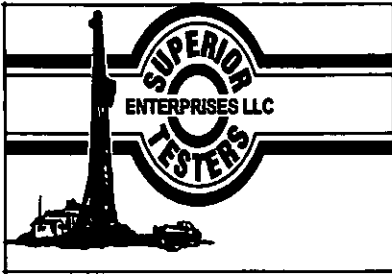
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

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

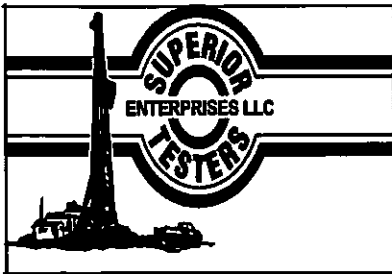
15-33s-13w-Barber
Wolkins 15 #1
 Job Ticket: 17284 **DST#: 5**
 Test Start: 2012.04.11 @ 09:13:00

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
Shut-In Tool	5.00			4834.00	
Hydrolic 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
 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

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: bbl		
Water Loss: 10.38 in ³	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:

