



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: _____



1077476

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 <table style="width:100%; border: none;"> <tr> <td style="width:70%; border: none;">Name</td> <td style="width:15%; border: none;">Top</td> <td style="width:15%; border: none;">Datum</td> </tr> </table>	Name	Top	Datum
Name	Top	Datum		

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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bennett & Schulte Oil Co., a General Partnership
Well Name	Morris-Berg 32-1
Doc ID	1077476

Tops

Name	Top	Datum
Anhydrite	1549	+421
Base	1577	+392
Topeka	2927	-958
Heebner	3118	-1149
Toronto	3146	-1177
Lansing	3165	-1196
BKC	3353	-1384
Arbukle	3451	-1482

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 8408

Date	3-15-62	Sec.	32	Twp.	W	Range	20	County	Phillips	State	Ks	On Location		Finish	9:45 PM
Lease	Morris-Bug		Well No.	32-1		Location	Logan, Ks - 110, 15								
Contractor	Rental #1		Owner												
Type Job	S. Case		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Hole Size	12 1/2"		T.D.	211'											
Csg.	3 1/2"		Depth	211'											
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint	15'		The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line			Displace	12 1/2 BLS		Cement Amount Ordered 160 3/4 Commion 3 1/2 CC									
EQUIPMENT															
Pumptrk	15	No.	Cementer	C. E.		22661									
			Helper			Common									
Bulktrk	11	No.	Driver	D. E.		Poz. Mix									
			Driver			Gel.									
Bulktrk	211	No.	Driver	D. E.		Calcium									
			Driver			Hulls									
JOB SERVICES & REMARKS															
Remarks	Cement did. Circulate														
Rat Hole													Salt		
Mouse Hole													Flowseal		
Centralizers													Kol-Séal		
Baskets													Mud CLR 48		
D/V or Port Collar													CFL-117 or CD110 CAF 38		
													Sand		
													Handling		
													Mileage		
FLOAT EQUIPMENT															
													Guide Shoe		
													Centralizer		
													Baskets		
													AFU Inserts		
													Float Shoe		
													Latch Down		
													Pumptrk Charge		
													Mileage		
													Tax		
													Discount		
													Total Charge		
X Signature															

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5467

Date	3-16-12	Sec.	32	Twp.	4	Range	20	County	Phillips	State	Ks	On Location		Finish	6:00 AM				
Lease	Morris - Berg		Well No.	32-1		Location Logan, Ks - 110, 15													
Contractor	Royal #1					Owner													
Type Job	Surface					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.													
Hole Size	1 1/2"					T.D.	211'												
Csg.	3 1/2"					Depth	211'												
Tbg. Size						Depth													
Tool						Depth													
Cement Left in Csg.						Shoe Joint													
Meas Line						Displace	-												
												Charge To				Bennette + Shulte			
												Street							
												City				State			
												The above was done to satisfaction and supervision of owner agent or contractor.							
												Cement Amount Ordered 100 sq Common 30cc							

EQUIPMENT

Pumptrk	15 No.	Cementer Helper	Cisco	Common
Bulktrk	11 No.	Driver	Wick	Poz. Mix
Bulktrk	211 No.	Driver	Wick	Gel.

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
Run 25' of 1 pipe down	CFL-117 or CD110 CAF 38
by hand + mixed 1.75 sq	Sand
Common 30cc	Handling
	Mileage

FLOAT EQUIPMENT

Common 30cc	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge

X Signature [Signature]

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5475

Date	3-20-12	Sec.	32	Twp.	4	Range	20	County	Phillips	State	Ks	On Location	3:45 PM								
Lease	Martin Berg	Well No.	32-1		Location Logan, Ks - 1W, 1S																
Contractor	Rountree #1				Owner																
Type Job	Plug				To Quality Oilwell Cementing, Inc.																
Hole Size	7 7/8"				T.D.				3529'					You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Csg.					Depth				Charge To					Beene & Shulte							
Tbg. Size	4 1/2 N.P.				Depth				1575'					Street							
Tool					Depth				City					State							
Cement Left in Csg.					Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.												
Meas Line					Displace				1120 - MWL					Cement Amount Ordered				220 ss 60/40 4% Gel			
EQUIPMENT												1/2 F.S.									
Pumptrk	13		No.		Cementer Helper		Cisco		Common												
Bulktrk			No.		Driver		Dewey		Poz. Mix												
Bulktrk			No.		Driver		Rick		Gel.												
JOB SERVICES & REMARKS												Calcium									
Remarks:												Hulls									
Rat Hole 30 ss												Salt									
Mouse Hole 15 ss												Flowseal									
Centralizers												Kol-Seal									
Baskets												Mud CLR 48									
D/V or Port Collar												CFL-117 or CD110 CAF 38									
1575' - 25 ss												Sand									
375' - 100 ss												Handling									
275' - 40 ss												Mileage									
400' - 10 ss col plug												FLOAT EQUIPMENT									
Rat hole - 3 ss												Guide Shoe									
mouse hole - 15 ss												Centralizer									
Cement added Ciccino's												Baskets									
												AFU Inserts									
												Float Shoe									
												Latch Down									
												1 - Bay hole plug									
												Pumptrk Charge									
												Mileage									
												Tax									
												Discount									
X Signature <i>[Signature]</i>												Total Charge									



DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

140 W. Wichita Ave
Russell KS. 67665+2746

ATTN: Austin Klaus

Berg Morris #32-1

32-4s-20w Phillips,KS

Start Date: 2012.03.18 @ 13:30:05

End Date: 2012.03.18 @ 16:36:10

Job Ticket #: 46814 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.03.20 @ 16:00:18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

ATTN: Austin Klaus

Job Ticket: 46814

DST#: 1

Test Start: 2012.03.18 @ 13:30:05

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:55:20

Time Test Ended: 16:36:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3118.00 ft (KB) To 3169.00 ft (KB) (TVD)

Reference Elevations: 1969.00 ft (KB)

Total Depth: 3169.00 ft (KB) (TVD)

1964.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8352 Outside

Press @ RunDepth: 17.22 psig @ 3128.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.18 End Date: 2012.03.18

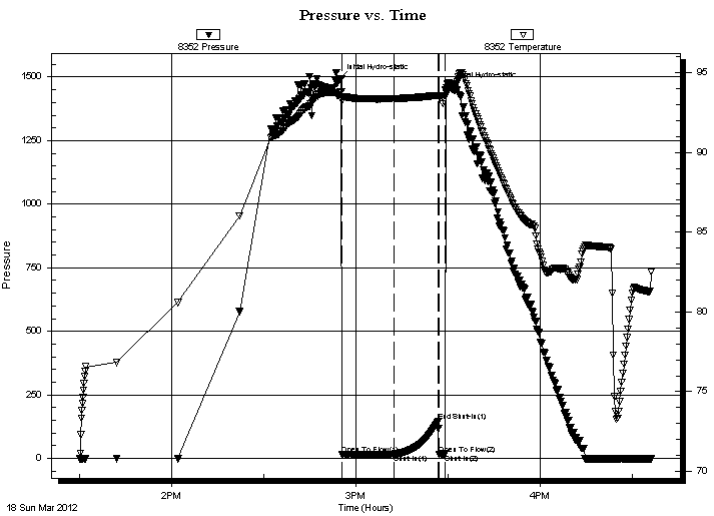
Last Calib.: 2012.03.18

Start Time: 13:30:05 End Time: 16:36:10

Time On Btm: 2012.03.18 @ 14:54:50

Time Off Btm: 2012.03.18 @ 15:30:20

TEST COMMENT: IF:(15min) Blow Died in 4 min.
IS:(15min) No Return
FF:(4min) No Blow, Flushed, Surged, No Blow, Pulled Tool



PRESSURE SUMMARY

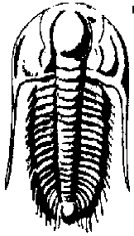
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1491.91	93.79	Initial Hydro-static
1	16.18	93.21	Open To Flow (1)
18	17.22	93.37	Shut-In(1)
32	144.79	93.57	End Shut-In(1)
33	17.20	93.51	Open To Flow (2)
34	18.22	93.56	Shut-In(2)
36	1463.07	94.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46814

DST#: 1

ATTN: Austin Klaus

Test Start: 2012.03.18 @ 13:30:05

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:55:20

Time Test Ended: 16:36:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3118.00 ft (KB) To 3169.00 ft (KB) (TVD)

Reference Elevations: 1969.00 ft (KB)

Total Depth: 3169.00 ft (KB) (TVD)

1964.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press@RunDepth: psig @ 3128.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.18

End Date:

2012.03.18

Last Calib.:

2012.03.18

Start Time: 13:30:05

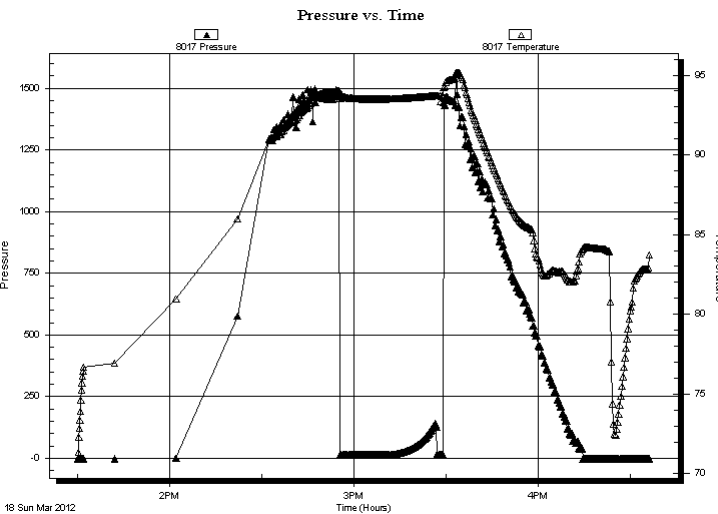
End Time:

16:36:10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:(15min) Blow Died in 4 min.
IS:(15min) No Return
FF:(4min) No Blow , Flushed, Surged, No Blow , Pulled Tool



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46814

DST#: 1

ATTN: Austin Klaus

Test Start: 2012.03.18 @ 13:30:05

Tool Information

Drill Pipe:	Length: 3108.00 ft	Diameter: 3.80 inches	Volume: 43.60 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	42000.00 lb
			<u>Total Volume: 43.60 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3118.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	71.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3099.00	
Shut In Tool	5.00			3104.00	
Hydraulic tool	5.00			3109.00	
Packer	5.00			3114.00	20.00 Bottom Of Top Packer
Packer	4.00			3118.00	
Stubb	1.00			3119.00	
Perforations	8.00			3127.00	
Change Over Sub	1.00			3128.00	
Recorder	0.00	8017	Inside	3128.00	
Recorder	0.00	8352	Outside	3128.00	
Drill Pipe	32.00			3160.00	
Change Over Sub	1.00			3161.00	
Perforations	5.00			3166.00	
Bullnose	3.00			3169.00	51.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46814

DST#: 1

ATTN: Austin Klaus

Test Start: 2012.03.18 @ 13:30:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

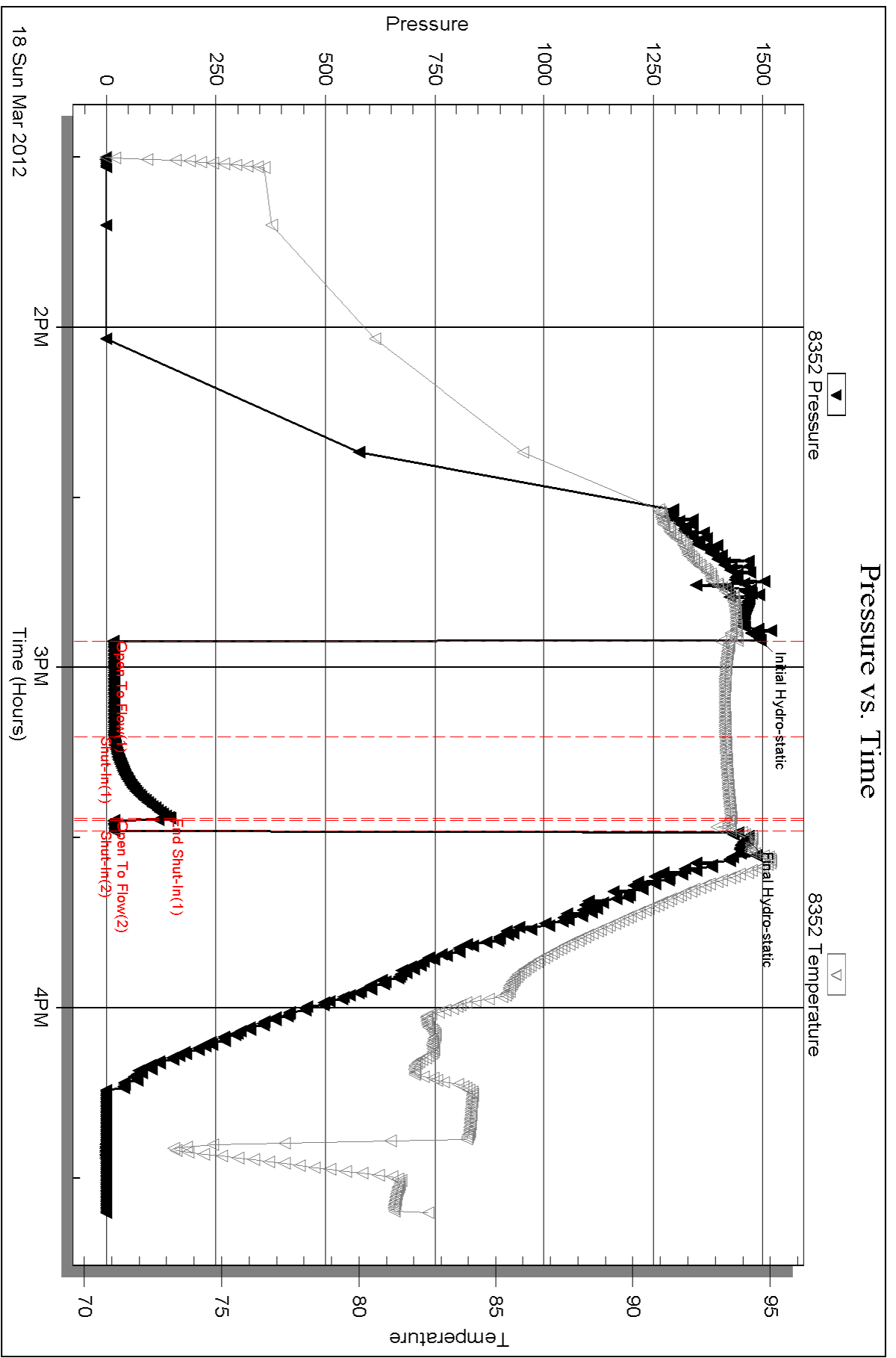
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



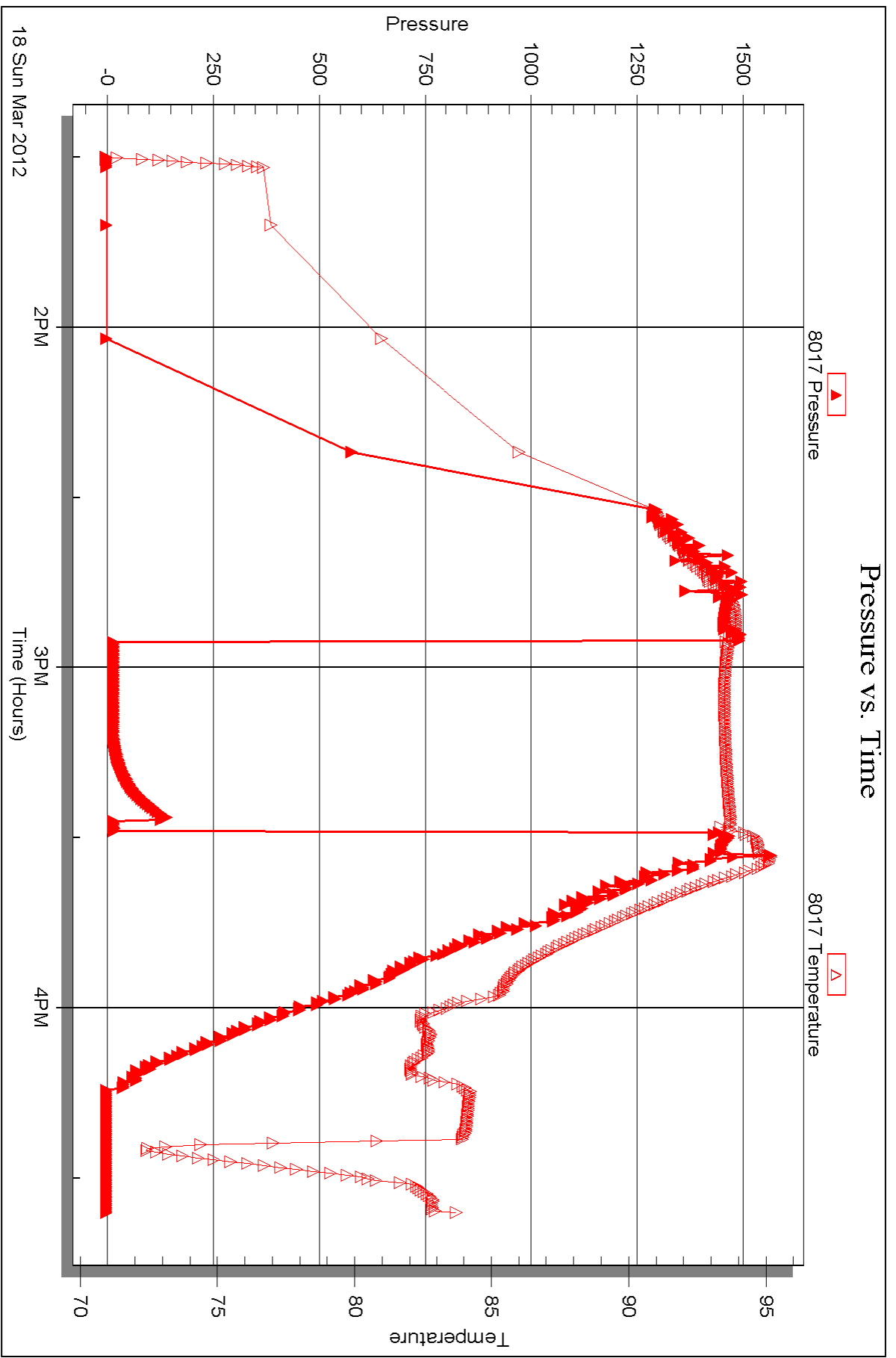
Serial #: 8017

Inside

Bennett & Schulte Oil Co.

Berg Morris #32-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 46814

Printed: 2012.03.20 @ 16:00:21



DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

140 W. Wichita Ave
Russell KS. 67665+2746

ATTN: Austin Klaus

Berg Morris #32-1

32-4s-20w Phillips,KS

Start Date: 2012.03.19 @ 00:16:05

End Date: 2012.03.19 @ 04:57:59

Job Ticket #: 46815 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.03.20 @ 15:59:29

Bennett & Schulte Oil Co. 32-4s-20w Phillips,KS Berg Morris #32-1 DST # 2 LKC"C" 2012.03.19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

ATTN: Austin Klaus

Job Ticket: 46815

DST#: 2

Test Start: 2012.03.19 @ 00:16:05

GENERAL INFORMATION:

Formation: **LKC"C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:18:10

Time Test Ended: 04:57:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: 3179.00 ft (KB) To 3220.00 ft (KB) (TVD)

Reference Elevations: 1969.00 ft (KB)

Total Depth: 3220.00 ft (KB) (TVD)

1964.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 653.83 psig @ 3184.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.19

End Date:

2012.03.19

Last Calib.:

2012.03.19

Start Time: 00:16:05

End Time:

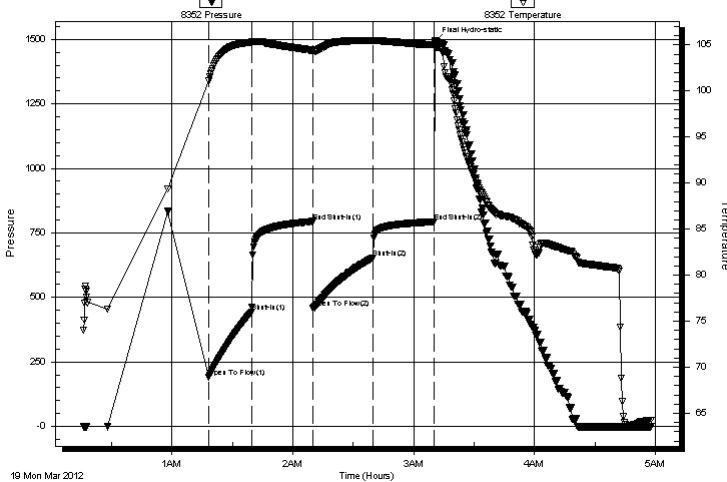
04:57:59

Time On Btm:

Time Off Btm: 2012.03.19 @ 03:10:30

TEST COMMENT: IF:(30min) BOB, 2 min.
IS:(30min) No Return
FF:(30min) BOB, 3 min.
FF:(30min) No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	190.84	101.08	Open To Flow (1)
22	442.38	105.30	Shut-In(1)
52	793.78	104.40	End Shut-In(1)
52	457.91	104.26	Open To Flow (2)
82	653.83	105.48	Shut-In(2)
112	793.19	105.01	End Shut-In(2)
113	1490.60	105.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1400.00	SGOSW	19.64

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

32-4s-20w Phillips, KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46815 **DST#: 2**

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 00:16:05

GENERAL INFORMATION:

Formation: **LKC"C"**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 01:18:10

Tester: Andy Carreira

Time Test Ended: 04:57:59

Unit No: 39

Interval: 3179.00 ft (KB) To 3220.00 ft (KB) (TVD)

Reference Elevations: 1969.00 ft (KB)

Total Depth: 3220.00 ft (KB) (TVD)

1964.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press@RunDepth: psig @ 3184.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.19 End Date: 2012.03.19

Last Calib.: 2012.03.19

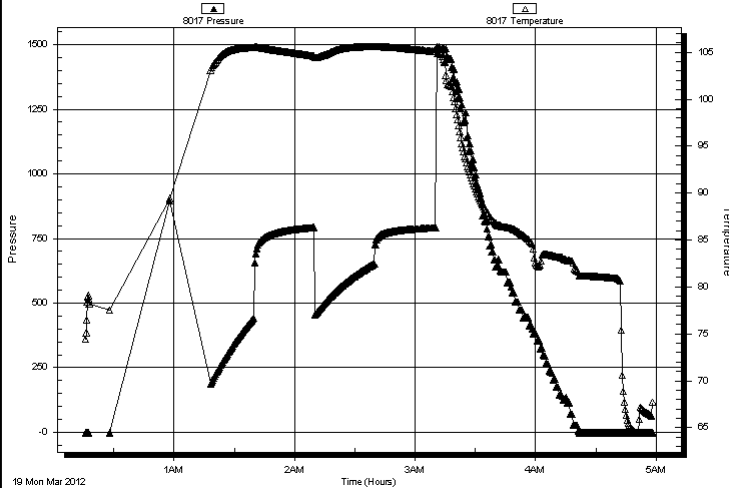
Start Time: 00:16:05 End Time: 04:58:10

Time On Btm

Time Off Btm

TEST COMMENT: IF:(30min) BOB, 2 min.
IS:(30min) No Return
FF:(30min) BOB, 3 min.
FF:(30min) No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
1400.00	SGOSW	19.64

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46815

DST#: 2

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 00:16:05

Tool Information

Drill Pipe:	Length: 3171.00 ft	Diameter: 3.80 inches	Volume: 44.48 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: 44.48 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3179.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	61.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3160.00	
Shut In Tool	5.00			3165.00	
Hydraulic tool	5.00			3170.00	
Packer	5.00			3175.00	20.00 Bottom Of Top Packer
Packer	4.00			3179.00	
Stubb	1.00			3180.00	
Perforations	3.00			3183.00	
Change Over Sub	1.00			3184.00	
Recorder	0.00	8017	Inside	3184.00	
Recorder	0.00	8352	Outside	3184.00	
Drill Pipe	31.00			3215.00	
Change Over Sub	1.00			3216.00	
Perforations	1.00			3217.00	
Bullnose	3.00			3220.00	41.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46815

DST#: 2

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 00:16:05

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:

80000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1400.00	SGOSW	19.638

Total Length: 1400.00 ft Total Volume: 19.638 bbl

Num Fluid Samples: 0

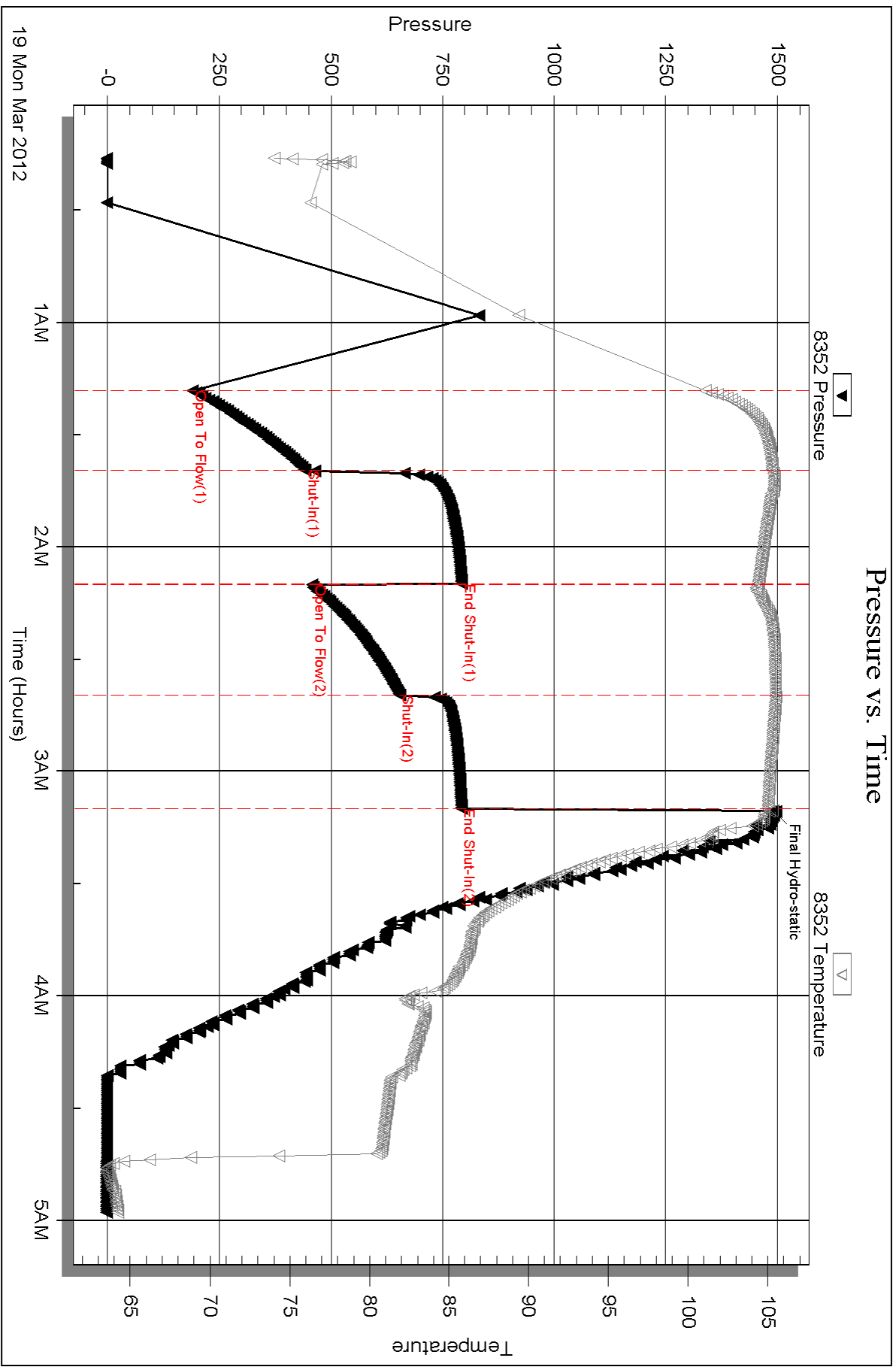
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity- .106 @ 67deg=80000



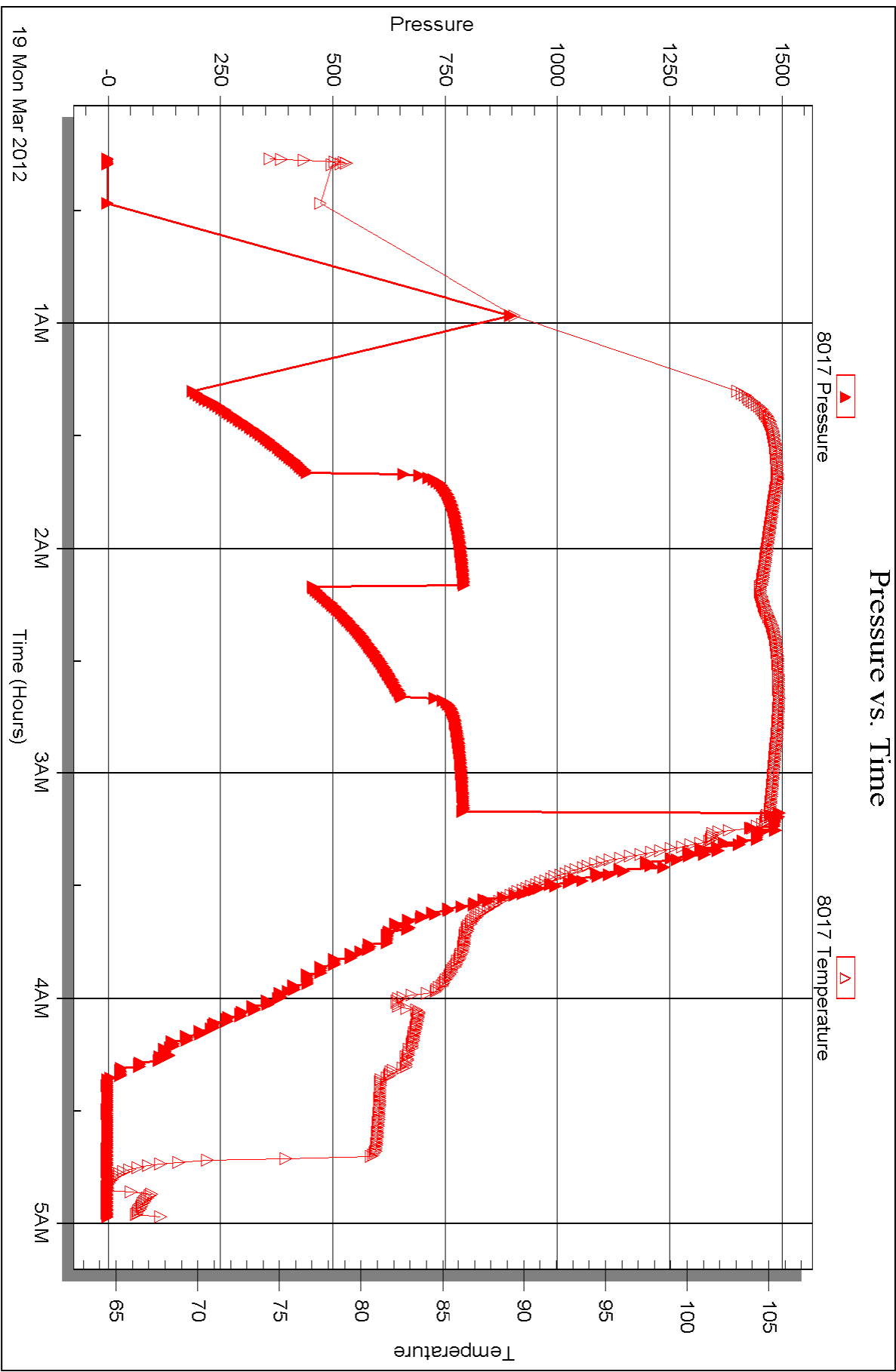
Serial #: 8017

Inside

Bennett & Schulte Oil Co.

Berg Morris #32-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Bennett & Schulte Oil Co.**

140 W. Wichita Ave
Russell KS. 67665+2746

ATTN: Austin Klaus

Berg Morris #32-1

32-4s-20w Phillips,KS

Start Date: 2012.03.19 @ 15:51:05

End Date: 2012.03.19 @ 19:54:40

Job Ticket #: 46816 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.03.20 @ 15:58:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.
 140 W. Wichita Ave
 Russell KS. 67665+2746
 ATTN: Austin Klaus

32-4s-20w Phillips,KS

Berg Morris #32-1

Job Ticket: 46816

DST#: 3

Test Start: 2012.03.19 @ 15:51:05

GENERAL INFORMATION:

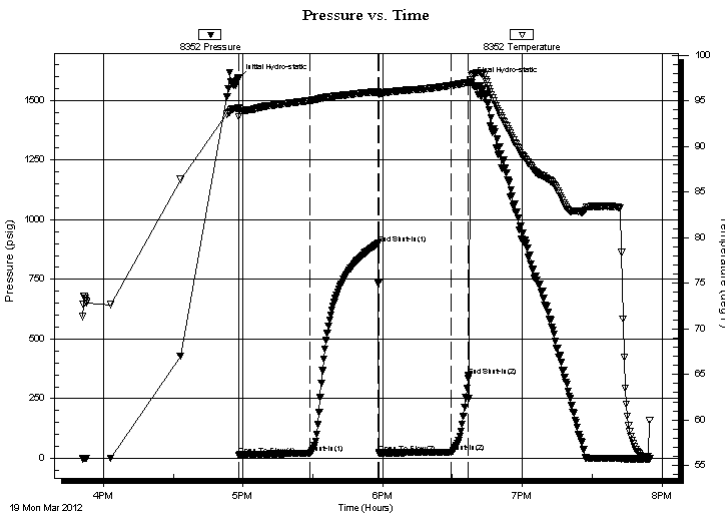
Formation: **LKC"I-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:58:10
 Time Test Ended: 19:54:40
 Interval: **3298.00 ft (KB) To 3351.00 ft (KB) (TVD)**
 Total Depth: 3351.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1969.00 ft (KB)
 1964.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 26.05 psig @ 3301.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.19 End Date: 2012.03.19 Last Calib.: 2012.03.19
 Start Time: 15:51:05 End Time: 19:54:40 Time On Btm: 2012.03.19 @ 16:58:00
 Time Off Btm: 2012.03.19 @ 18:37:40

TEST COMMENT: IF:(30min) Weak surface blow
 IS:(30min) No Return
 FF:(30min) Blow died in 23 min.
 FS:(10min) No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.68	94.23	Initial Hydro-static
1	14.01	93.29	Open To Flow (1)
31	21.45	95.05	Shut-In(1)
60	900.52	95.99	End Shut-In(1)
61	22.30	95.66	Open To Flow (2)
92	26.05	96.70	Shut-In(2)
99	346.01	97.04	End Shut-In(2)
100	1579.61	97.28	Final Hydro-static

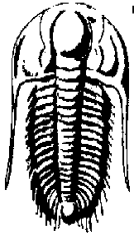
Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOSM	0.42

* Recovery from multiple tests

Gas Rates

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



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46816

DST#: 3

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 15:51:05

GENERAL INFORMATION:

Formation: **LKC"I-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:58:10

Time Test Ended: 19:54:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: **3298.00 ft (KB) To 3351.00 ft (KB) (TVD)**

Reference Elevations: 1969.00 ft (KB)

Total Depth: 3351.00 ft (KB) (TVD)

1964.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press@RunDepth: psig @ 3301.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.19

End Date: 2012.03.19

Last Calib.: 2012.03.19

Start Time: 15:51:05

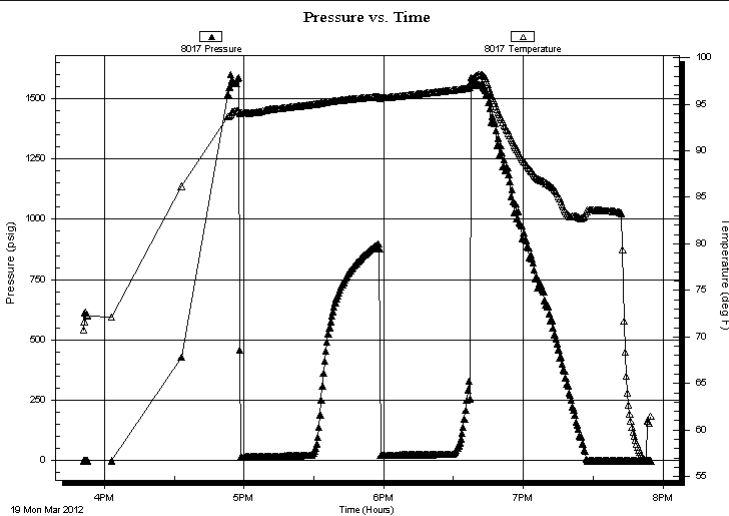
End Time: 19:54:40

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:(30min) Weak surface blow
IS:(30min) No Return
FF:(30min) Blow died in 23 min.
FS:(10min) No Return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOSM	0.42

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46816

DST#: 3

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 15:51:05

Tool Information

Drill Pipe:	Length: 3298.00 ft	Diameter: 3.80 inches	Volume: 46.26 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	46000.00 lb
			<u>Total Volume: 46.26 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3298.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3279.00	
Shut In Tool	5.00			3284.00	
Hydraulic tool	5.00			3289.00	
Packer	5.00			3294.00	20.00 Bottom Of Top Packer
Packer	4.00			3298.00	
Stubb	1.00			3299.00	
Perforations	1.00			3300.00	
Change Over Sub	1.00			3301.00	
Recorder	0.00	8017	Inside	3301.00	
Recorder	0.00	8352	Outside	3301.00	
Drill Pipe	31.00			3332.00	
Change Over Sub	1.00			3333.00	
Perforations	15.00			3348.00	
Bullnose	3.00			3351.00	53.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co.

32-4s-20w Phillips,KS

140 W. Wichita Ave
Russell KS. 67665+2746

Berg Morris #32-1

Job Ticket: 46816

DST#: 3

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 15:51:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOSM	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

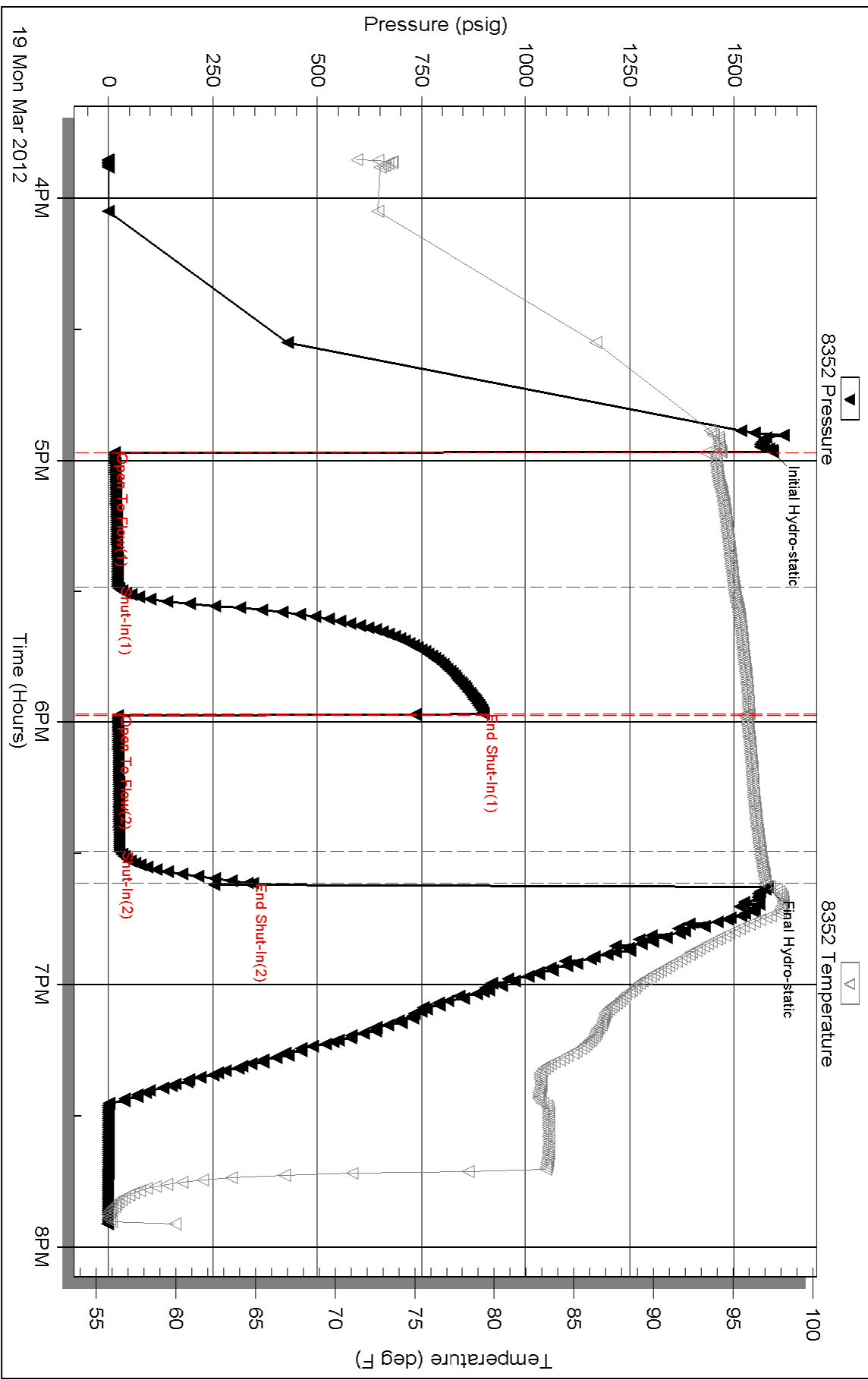
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



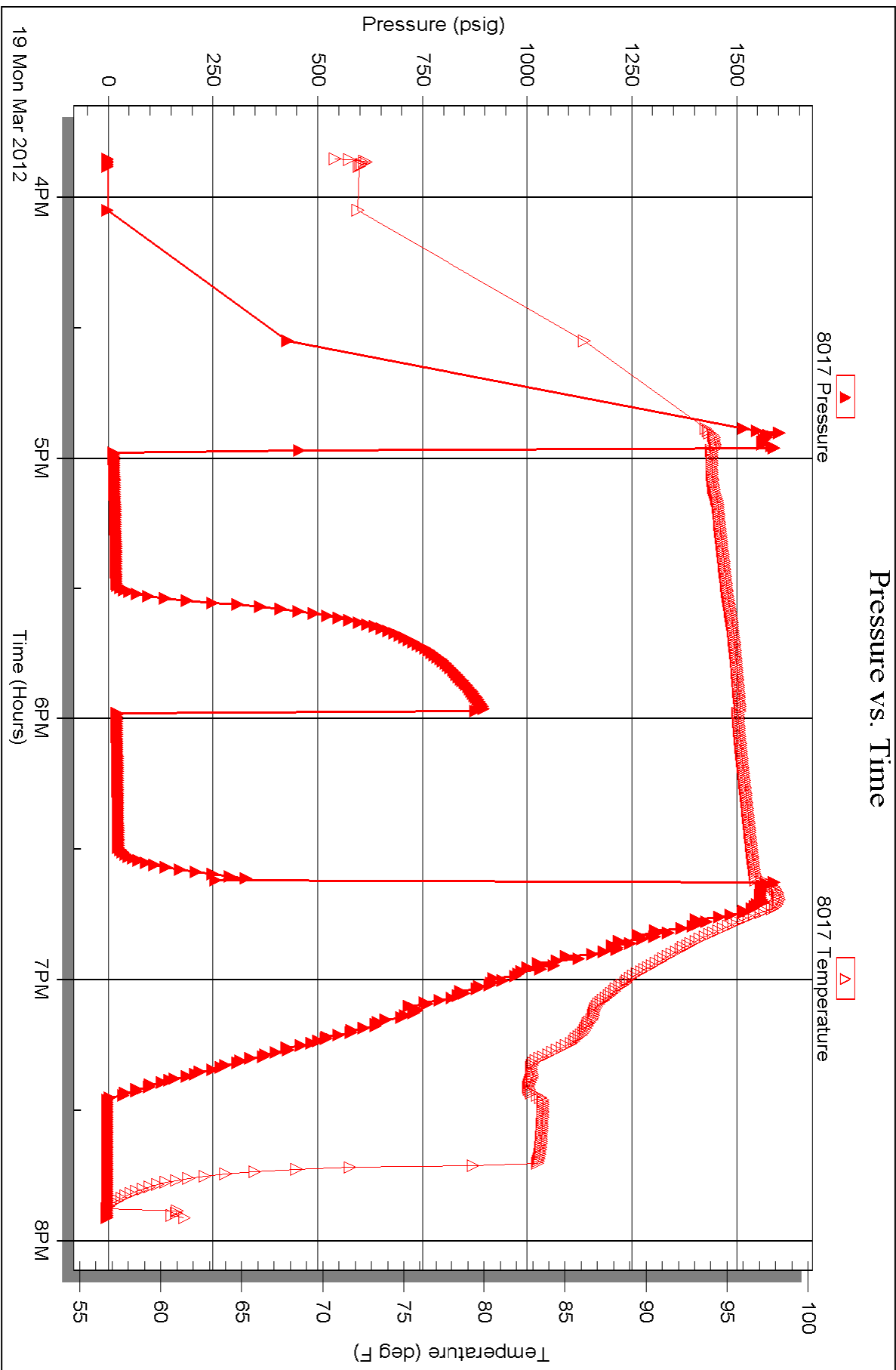
Serial #: 8017

Inside

Bennett & Schulte Oil Co.

Berg Morris #32-1

DST Test Number: 3



19 Mon Mar 2012



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 20 2012

Test Ticket

NO. 46814

4/10

BY:

Well Name & No. Berg, Morris #32-1 Test No. 1 Date 3-18-12
 Company Bennett & Schulte oil Co. Elevation 1969 KB 1964 GL
 Address 140 W. Wichita Ave Russell Ks. 67665 + 2746
 Co. Rep / Geo. Austin Klaus Rig Royal #1
 Location: Sec. 32 Twp. 4s Rge. 20W Co. Toronto Phillips State Ks

Interval Tested 3118 - 3169 Zone Tested Toronto
 Anchor Length 51' Drill Pipe Run 3108 Mud Wt. 8.9
 Top Packer Depth 3113 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3118 Wt. Pipe Run 0 WL 8.0
 Total Depth 3169 Chlorides 600 ppm System LCM 2#

Blow Description LF: Blow died in 4mins
ISF: No Return
FF: No Blow, Flushed, surged, (no blow), pulled Tool
FSL: —

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Feet of mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

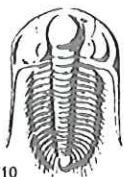
Rec Total 2' BHT 95° Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1491 Test ← 1125" T-On Location 12:49
 (B) First Initial Flow 16 Jars _____ T-Started 13:30
 (C) First Final Flow 17 Safety Joint _____ T-Open 14:56
 (D) Initial Shut-In 144 Circ Sub _____ T-Pulled 15:30
 (E) Second Initial Flow — Hourly Standby _____ T-Out 16:36
 (F) Second Final Flow — Mileage 136RT 190.40 Comments _____
 (G) Final Shut-In — Sampler _____
 (H) Final Hydrostatic 1463 Straddle _____ Ruined Shale Packer _____

Initial Open 15 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 15 Extra Packer _____ Extra Copies _____
 Final Flow — Extra Recorder _____ Sub Total 0
 Final Shut-In — Day Standby _____ Total 1315.40
 Accessibility _____ MP/DST Disc't _____

Sub Total 1315.40 Our Representative Andy

Approved By _____
 Trilobite Testing Inc. shall not be liable for damaged or lost property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 20 2012
BY:

Test Ticket

NO. 46815

4/10

Well Name & No. Beech Morris #32-1 Test No. 2 Date 3-18-12
 Company Bennett & Schulte oil co Elevation 1969 KB 1964 GL
 Address 140 W. Wichita Ave Russell Ks 67665 + 2746
 Co. Rep / Geo. Austin Klaus Rig Royal #1
 Location: Sec. 32 Twp. 4S Rge. 20W Co. Phillips State Ks

Interval Tested 3179-3220 Zone Tested LKC "C"
 Anchor Length 41' Drill Pipe Run 3171 Mud Wt. 8.9
 Top Packer Depth 3174 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3179 Wt. Pipe Run 0 WL 8.0
 Total Depth 3220 Chlorides 600 ppm System LCM 2#

Blow Description TF: BOB, 2min
IST: NO RETURN
FF: BOB, 3min
FSL: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>1400</u>	<u>560SW</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1400 BHT 105° Gravity API RW .106 @ 67° F Chlorides 80,000 ppm

- (A) Initial Hydrostatic NA
- (B) First Initial Flow 190
- (C) First Final Flow 442
- (D) Initial Shut-In 793
- (E) Second Initial Flow 457
- (F) Second Final Flow 653
- (G) Final Shut-In 793
- (H) Final Hydrostatic 1490

- Test 1125'
- ~~Joint~~
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 136RT 190.40
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility

T-On Location 23:49
 T-Started 00:16
 T-Open 01:10
 T-Pulled 03:10
 T-Out 04:58

Comments OPENED TO 6min
TOO SOON INHYDRO NA

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1315.40
 MP/DST Disc't

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 20 2012

Test Ticket

NO. 46816

4/10

Well Name & No. Beggs Morris #32-1 Test No. 3 Date 3-19-12
 Company Bennett Schulte oil Co Elevation 1969 KB 1964 GL
 Address 140 W. Wichita Ave Russell Ks 67665-2746
 Co. Rep / Geo. Austin Klaus Rig Royal #1
 Location: Sec. 32 Twp. 45 Rge. 20W Co. Phillips State Ks

Interval Tested 3298-3351 Zone Tested LKC "I-K"
 Anchor Length 53' Drill Pipe Run 3298 Mud Wt. 8.9
 Top Packer Depth 3294 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3298 Wt. Pipe Run 0 WL 8.0
 Total Depth 3351 Chlorides 1800 ppm System LCM 2#

Blow Description IF: Weak surface blow
ISL: NO Return
FF Blow DIED in 23min
FSL NO Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>305M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 97 Gravity 1125 API RW 1800 @ 190.40 °F Chlorides 1800 ppm

(A) Initial Hydrostatic 1592 Test 1125 T-On Location 15:34
 (B) First Initial Flow 14 Jars T-Started 15:51
 (C) First Final Flow 21 Safety Joint T-Open 16:58
 (D) Initial Shut-In 900 Circ Sub T-Pulled 18:38
 (E) Second Initial Flow 22 Hourly Standby T-Out 19:55
 (F) Second Final Flow 26 Mileage 1800 190.40 Comments _____
 (G) Final Shut-In 346 Sampler _____
 (H) Final Hydrostatic 1579 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 8
 Day Standby _____ Total 1812.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1315.40

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.