



KANSAS CORPORATION COMMISSION 1077476
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 # 6246
Name: Bennett & Schulte Oil Co., a General Partnership
Address 1: 140 W WICHITA AVE
Address 2: _____
City: RUSSELL State: KS Zip: 67665 + 2746
Contact Person: Frank Schulte
Phone: (785) 483-2721
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Austin Klaus
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 #: _____
3/15/2012 3/20/2012 3/20/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-147-20670-00-00

Spot Description: _____
NE SW SE Sec. 32 Twp. 4 S. R. 20 East West
560 Feet from North / South Line of Section
2000 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Phillips

Lease Name: Morris-Berg Well #: 32-1

Field Name: _____

Producing Formation: N/A

Elevation: Ground: 1964 Kelly Bushing: 1969

Total Depth: 3529 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 211 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: 21000 ppm Fluid volume: 500 bbls

Dewatering method used: Evaporated

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: Deanna Gertler Date: 08/12/2012



1077476

Operator Name: Bennett & Schulte Oil Co., a General Partnership Lease Name: Morris-Berg Well #: 32-1
Sec. 32 Twp. 4 S. R. 20 East West County: Phillips

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Datum Attached
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 <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			
Radiation Guard Log			

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	20	211	Common	260	3% CC, 2% Gel.

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: <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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	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

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

QUALITY OILWELL CEMENTING, INC.

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

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

No. 8466

Date	3-15-62	Sec.	32	Twp.	L1	Range	20	County	Phillips	State	Ks	On Location		Finish	9:45 PM
Lease	Morris-Beig			Well No.	32-1			Location	Logan Ks - 1127, 15						
Contractor	Royal #1			Owner											
Type Job	S. drive			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'			Charge To	Bennett & Spillite						
Csg.	3 1/2"			Depth	211'			Street							
Tbg. Size				Depth				City	State						
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	15'			Shoe Joint	15'			Cement Amount Ordered	160 by Cupation 3 3/4 cc						
Meas Line				Displace	12 1/2 BLS										
EQUIPMENT															
Pumptrk	15	No.		Cement	C			2 1/2 gal							
				Helper	C			Common							
Bulktrk	11	No.		Driver	P			Poz. Mix							
				Driver	K			Gel:							
Bulktrk	211	No.		Driver	P			Calcium							
				Driver	P			Hulls							
JOB SERVICES & REMARKS															
Remarks	Cement did Circulate														
Rnt Hole	Salt														
Mouse Hole	Flowseal														
Centralizers	Kol-Seal														
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.

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: [unclear] - [unclear]		Well No. 32-1		Location Logan, Kc - Hill, KS			
Contractor: Royal #1				Owner:			
Type Job: Surface		1" Back side		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'		Charge To: Kennette + Shulte			
Csg. [unclear]		Depth 211'		Street			
Tbg. Size		Depth		City State			
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		Cement Amount Ordered 100 ss Common 30cc			
EQUIPMENT							
Pumptrk 75 No.	Cementer Helper [unclear]			Common			
Bulktrk 107 No.	Driver [unclear]			Poz. Mix			
Bulktrk 211 No.	Driver [unclear]			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			
to 1 1/2" & mixed " 8" to 75 ss				Sand			
Common 30cc				Handling			
[unclear]				Mileage			
FLOAT EQUIPMENT							
[unclear]				Guide Shoe			
[unclear]				Centralizer			
[unclear]				Baskets			
[unclear]				AFU Inserts			
[unclear]				Float Shoe			
[unclear]				Latch Down			
[unclear]				Pumptrk Charge			
[unclear]				Mileage			
[unclear]				Tax			
[unclear]				Discount			
[unclear]				Total Charge			
X Signature [unclear]							

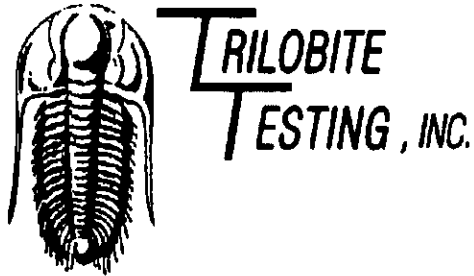
QUALITY OILWELL CEMENTING, INC.

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

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

No. 5475

Date	20-12	Sec.	32	Twp.	4	Range	20	County	Phillips	State	Ks	On Location	Finish	3:45 PM
Lease	Morrison Basin			Well No.	32-1			Location	Logan, Ks - 1W, 1S					
Contractor	Pacifica			Owner										
Type Job	Plug			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	7 1/2"			T.D.	3529'									
Csg.				Depth										
Tbg. Size	4 1/2" N.P.			Depth	1575'									
Tool				Depth										
Cement Left in Csg.				Shoe Joint										
Meas Line				Displace	1120 - 1140'			Cement Amount Ordered	220 ss 60/40 4% Gel					
EQUIPMENT														
Pumptrk	No.	Cementer	Helper											
Bulktrk	No.	Driver	Driver											
Bulktrk	No.	Driver	Driver											
JOB SERVICES & REMARKS														
Remarks:														
Rat Hole	30'													
Mouse Hole	15'													
Centralizers														
Baskets														
D/V or Port Collar	1575' - 220 ss 375' - 100 SS 375' - 40 SS 40' - 10 SS R.L. - 30 SS Centralizer - 15'													
								FLOAT EQUIPMENT						
								Guide Shoe						
								Centralizer						
								Baskets						
								AFU Inserts						
								Float Shoe						
								Latch Down						
								1" Dog hole plug						
								Pumptrk Charge						
								Mileage						
								Tax						
								Discount						
								Total Charge						
X Signature: <i>[Signature]</i>														



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

Bennett & Schulte Oil Co.

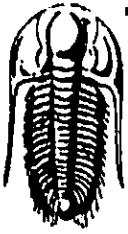
32-4s-20w Phillips,KS

Berg Morris #32-1

DST # 1

Toronto

2012.03.18



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

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)**

Total Depth: **3169.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1969.00 ft (KB)**

1964.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8352 **Outside**

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

Start Date: **2012.03.18**

End Date: **2012.03.18**

Start Time: **13:30:05**

End Time: **16:36:10**

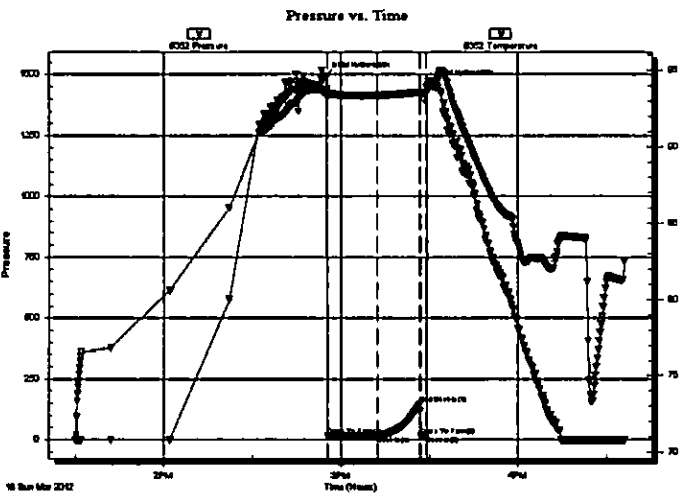
Capacity: **8000.00 psig**

Last Calib.: **2012.03.18**

Time On Btm: **2012.03.18 @ 14:54:50**

Time Off Btm: **2012.03.18 @ 15:30:20**

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



PRESSURE SUMMARY

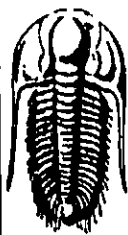
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1491.91	93.79	Initial Hydro-static
1	16.18	93.21	Open To Flow (1)
18	17.22	93.37	Shut-in(1)
32	144.79	93.57	End Shut-in(1)
33	17.20	93.51	Open To Flow (2)
34	18.22	93.56	Shut-in(2)
36	1463.07	94.33	Final Hydro-static

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
 Interval: **3118.00 ft (KB) To 3169.00 ft (KB) (TVD)**
 Total Depth: 3169.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1969.00 ft (KB)
 1964.00 ft (CF)
 KB to GRVCF: 5.00 ft

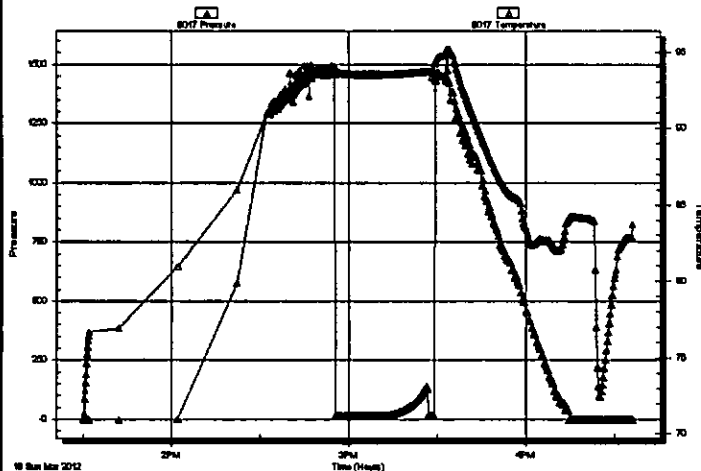
Serial #: 8017

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 vs. Time



PRESSURE SUMMARY

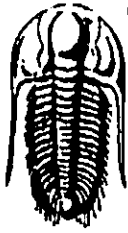
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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	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:

bbl

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

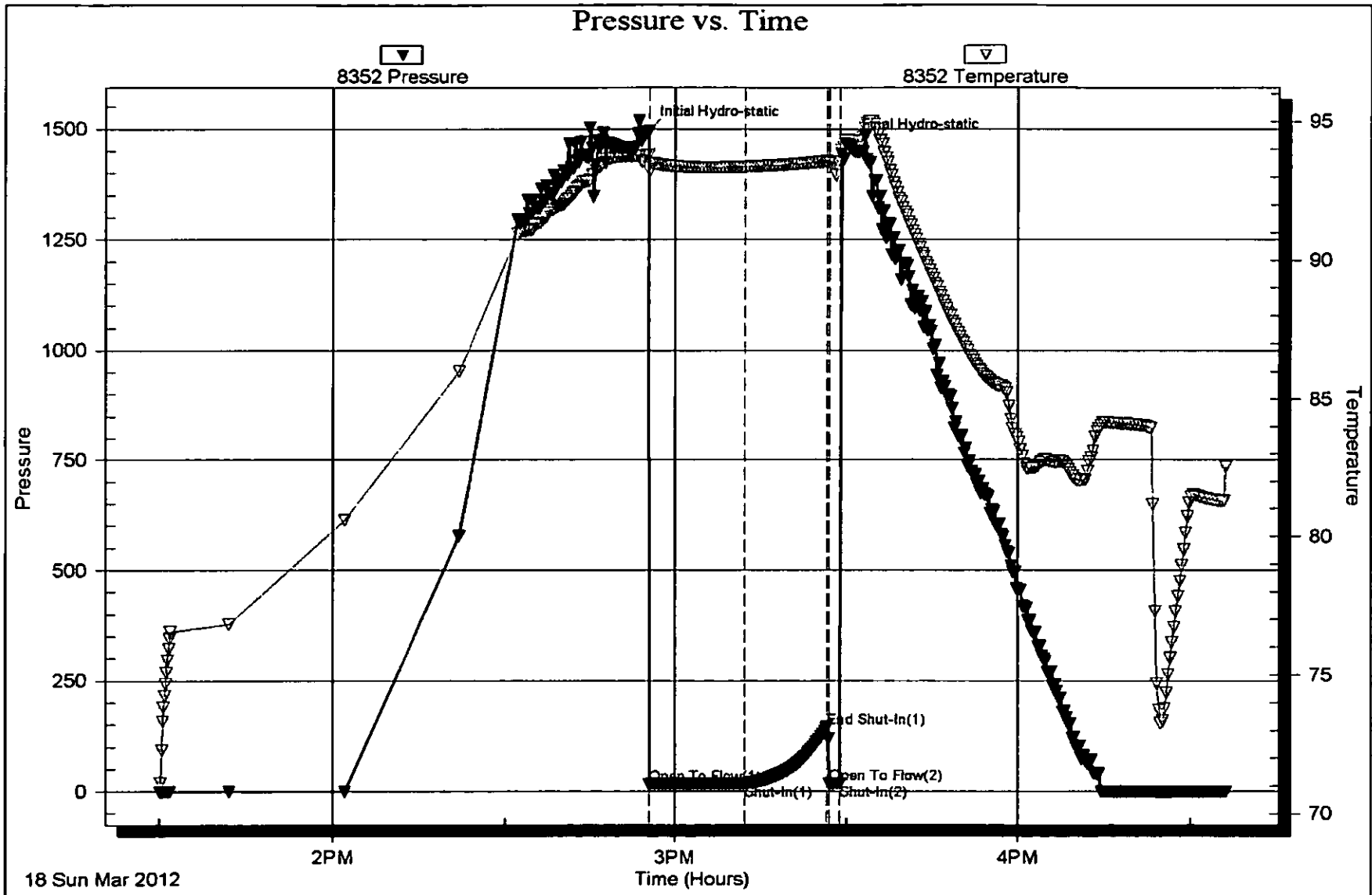
Num Gas Bombs: 0

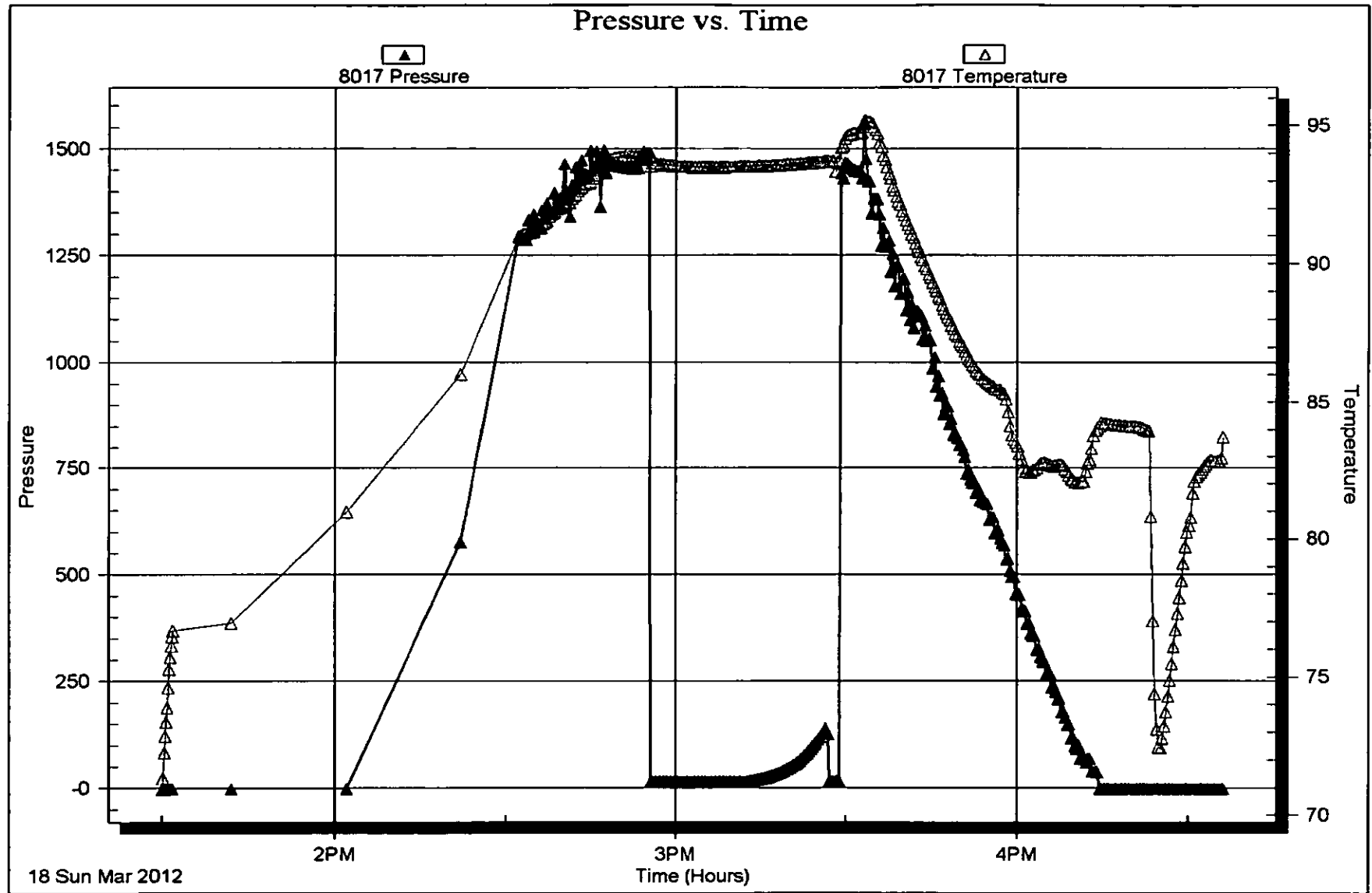
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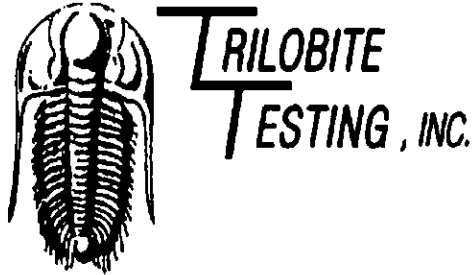
Laboratory Name:

Laboratory Location:

Recovery Comments:







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.

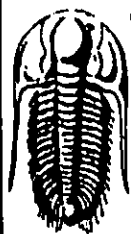
32-4s-20w Phillips,KS

Berg Morris #32-1

DST # 2

LKC-C

2012.03.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bennett & Schutte 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)

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)**

Total Depth: 3220.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1969.00 ft (KB)

1964.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8352**

Outside

Press@RunDepth: 653.83 psig @ 3184.00 ft (KB)

Start Date: 2012.03.19

End Date:

2012.03.19

Capacity: 8000.00 psig

Last Calib.:

2012.03.19

Start Time: 00:16:05

End Time:

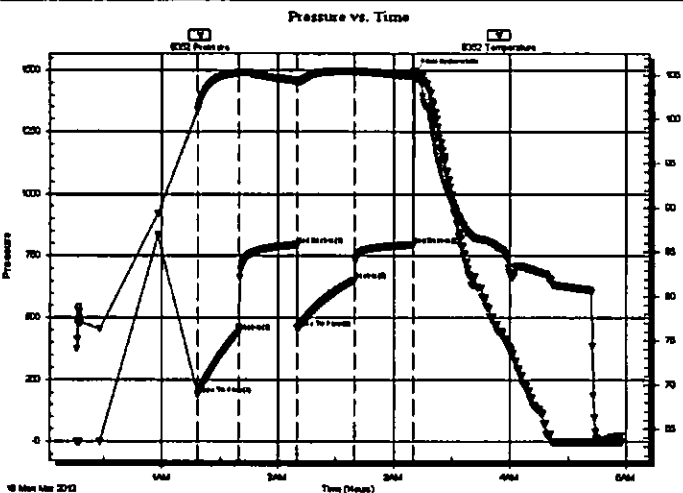
04:57:59

Time On Btm

Time Off Btm

2012.03.19 @ 03:10:30

TEST COMMENT: F:(30min) BOB, 2 min.
I:(30min) No Return
FF:(30min) BOB, 3 min.
FF:(30min) No Return



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

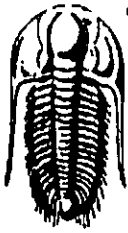
Recovery

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

* Recovery from multiple tests

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: 46815

DST#: 2

ATTN: Austin Klaus

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 #: 8017 Inside

Press@RunDepth: psig @ 3184.00 ft (KB)

Start Date: 2012.03.19

End Date:

2012.03.19

Capacity: 8000.00 psig

Last Calib.:

2012.03.19

Start Time: 00:16:05

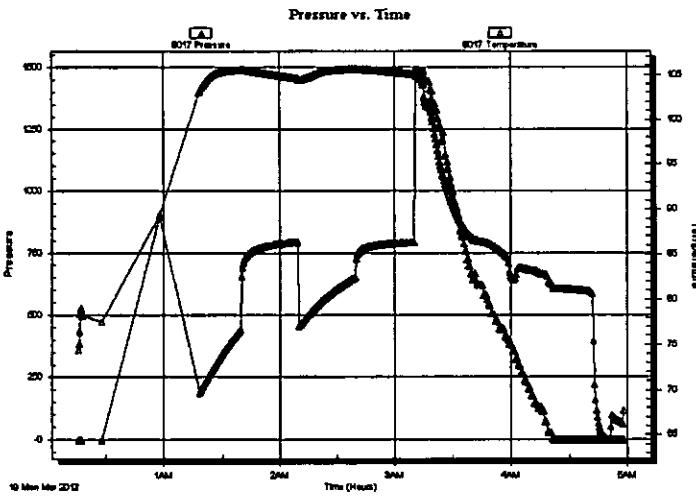
End Time:

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 SUMMARY

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

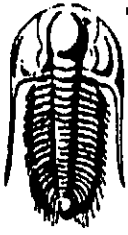
Recovery

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

* Recovery from multiple tests

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: 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	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:

bbl

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

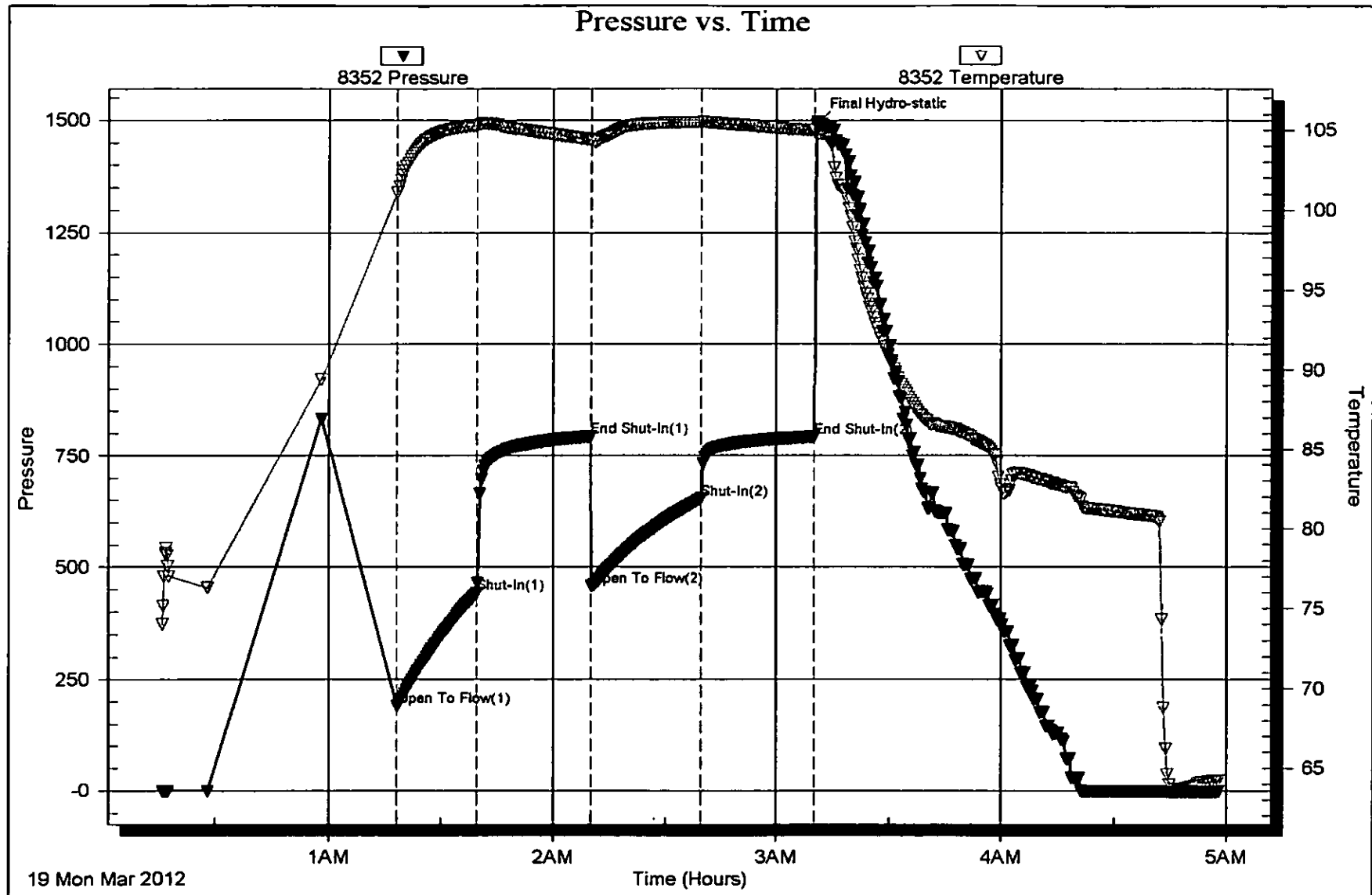
Num Gas Bombs: 0

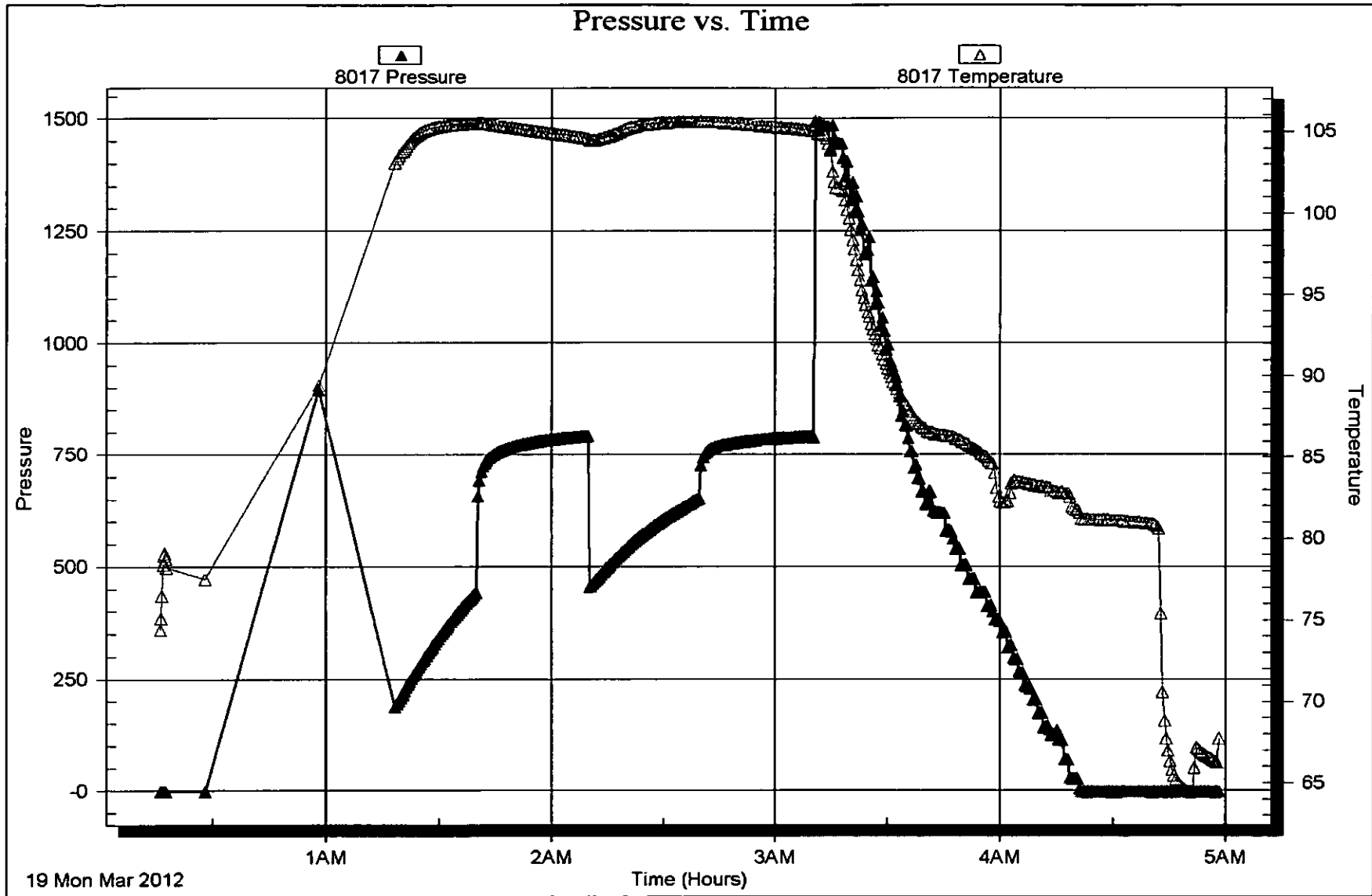
Serial #:

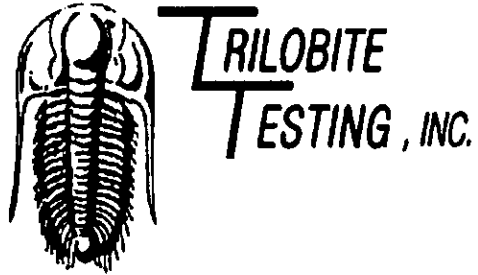
Laboratory Name:

Laboratory Location:

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







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

Bennett & Schulte Oil Co. 32-4s-20w Phillips,KS Berg Morris #32-1 DST # 3 LKC-T-K 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

Job Ticket: 46816

DST#: 3

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 15:51:05

GENERAL INFORMATION:

Formation: **LKC-1-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)**

Total Depth: 3351.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1969.00 ft (KB)

1964.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8352

Outside

Press@RunDepth: 26.05 psig @ 3301.00 ft (KB)

Start Date: 2012.03.19

End Date:

2012.03.19

Capacity: 8000.00 psig

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

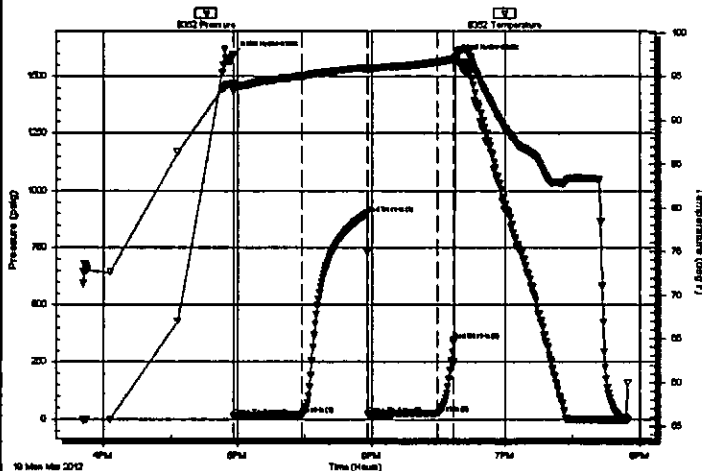
TEST COMMENT: IF:(30min) Weak surface blow

IS:(30min) No Return

FF:(30min) Blow died in 23 min.

FSt:(10min) No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Mn.)	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

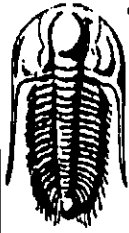
Recovery

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

* Recovery from multiple tests

Gas Rates

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



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: 46816

DST#: 3

ATTN: Austin Klaus

Test Start: 2012.03.19 @ 15:51:05

GENERAL INFORMATION:

Formation: **LKC"1-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

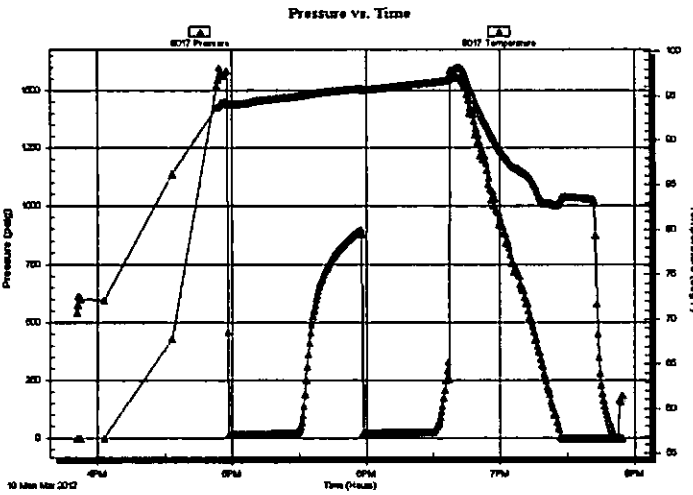
Time Off Btm

TEST COMMENT: F:(30min) Weak surface blow

ISt(30min) No Return

FF:(30min) Blow died in 23 min.

FSt(10min) No Return



PRESSURE SUMMARY

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

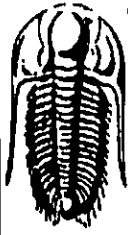
Recovery

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

* Recovery from multiple tests

Gas Rates

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



**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

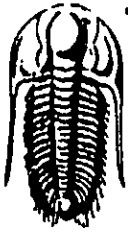
Tool Information

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	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:

bbl

Water Loss: 7.94 in²

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

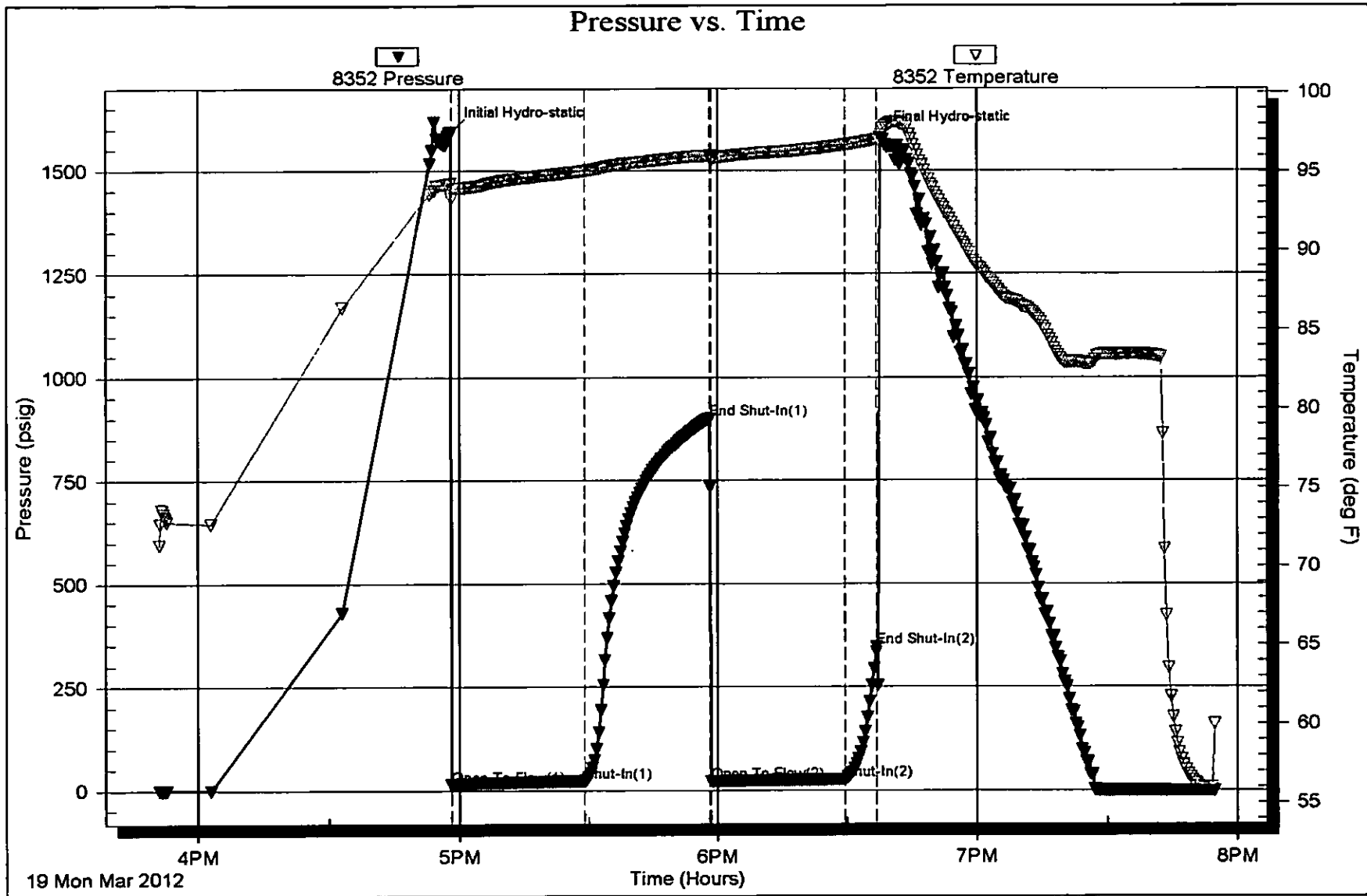
Num Gas Bombs: 0

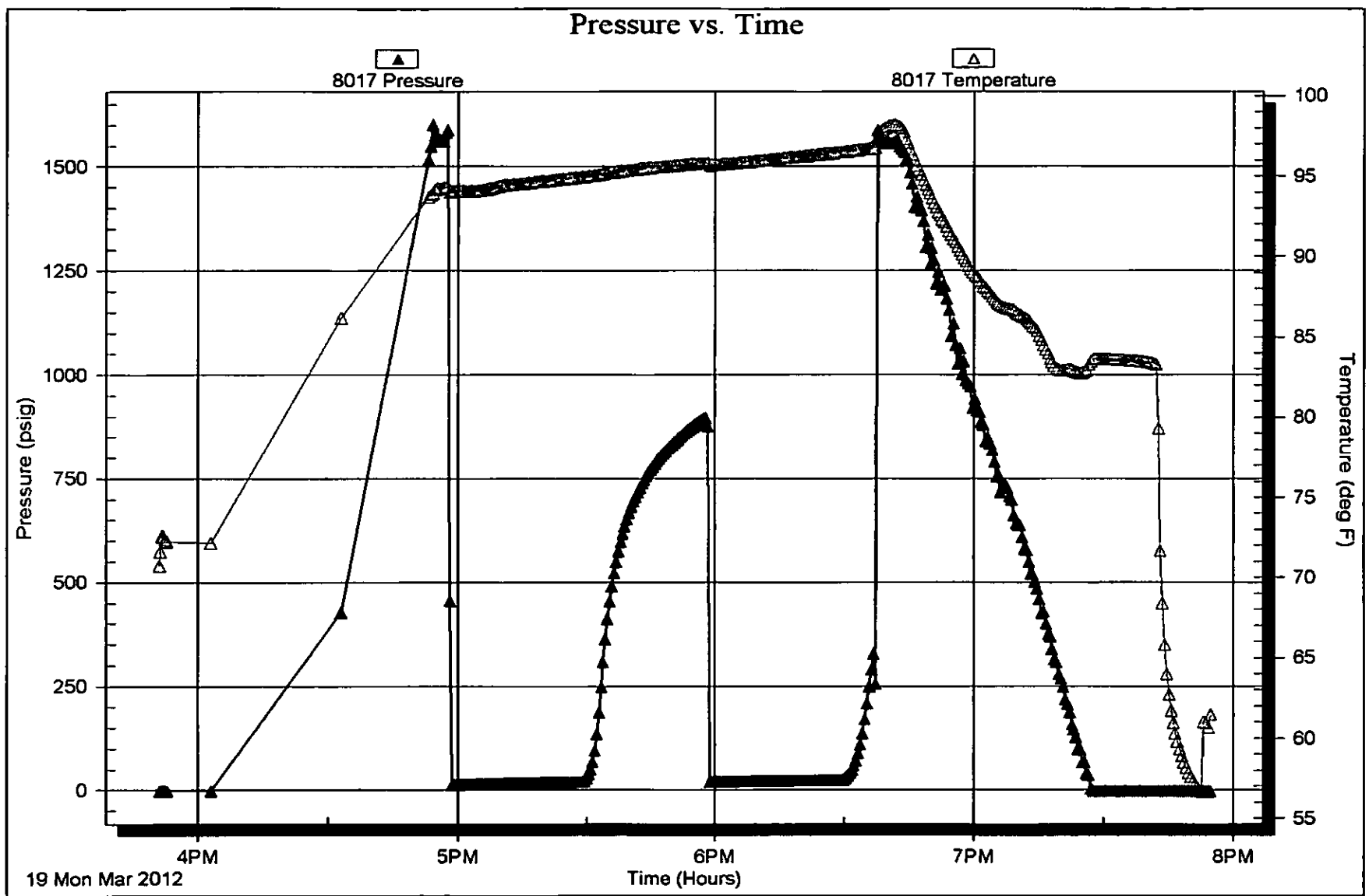
Serial #:

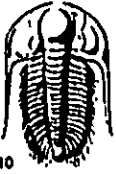
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 20 2012
BY:

Test Ticket

NO. 46814

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. 45 Rge. 20W Co. 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 IP: Blow died in 4mins
IS: No Return
FP: No Blow, Flushed, surged, pulled too
PSL: 1

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

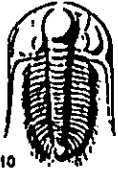
Rec Total 2' BHT 95° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(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

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
BY:

Test Ticket

NO. 46815

Well Name & No. Begg, 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 IF: BOB, 2min
ISJ: NO RETURN
FF: BOB, 3min
FSD: NO RETURN

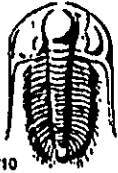
Rec	Feet of	%gas	%oil	%water	%mud
<u>1400</u>	<u>5605W</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic NA Test 1125' T-On Location 23:49
 (B) First Initial Flow 190 ~~Test~~ T-Started 00:16
 (C) First Final Flow 442 Safety Joint T-Open 01:10
 (D) Initial Shut-In 793 Circ Sub T-Pulled 03:10
 (E) Second Initial Flow 457 Hourly Standby T-Out 04:58
 (F) Second Final Flow 653 Mileage 136BT 190.40 Comments OPENED TO 6min
 (G) Final Shut-In 793 Sampler Too soon Inhydro NA
 (H) Final Hydrostatic 1490 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1315.40
 Accessibility MP/DST Disc't _____

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED

MAR 20 2012

Test Ticket

NO. 46816

Well Name & No. BERRY MOREIS #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>505M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
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 API RW @ F Chlorides ppm

(A) Initial Hydrostatic 1592 Test 1125 T-On Location 15:34
 (B) First Initial Flow 14 Jars 15:51 T-Started 15:51
 (C) First Final Flow 21 Safety Joint 16:58 T-Open 16:58
 (D) Initial Shut-In 900 Circ Sub 18:38 T-Pulled 18:38
 (E) Second Initial Flow 22 Hourly Standby 19:55 T-Out 19:55
 (F) Second Final Flow 26 Mileage 1860ET 190.40 Comments _____
 (G) Final Shut-In 346 Sampler _____
 (H) Final Hydrostatic 1579 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1812.40
 Final Shut-In 10 Accessibility _____ MP/DST Disc'l _____
 Sub Total 1315.40 Our Representative [Signature]

Approved By _____
 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.