



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
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bennett & Schulte Oil Co., A General Partnership
Well Name	Yarmer 17-4
Doc ID	1156392

Tops

Name	Top	Datum
Anhydrite	922	1007
Topeka	2866	-937
Heebner	3098	-1169
Toronto	3112	-1183
Brown Lime	3164	-1235
Lansing	3178	-1249
KC Base	3384	-1455
Arbuckle	3428	-1499

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. 7949

Date	8-13-13	Sec.	17	Twp.	17	Range	14	County	Barton	State	Ks	On Location		Finish	9:00 AM		
								Location 281 + 4 Jct, 3N, 2 1/4 W, S/Into									
Lease	Yarmer			Well No.	17-4			Owner									
Contractor	Royal 2			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.					
Type Job	Surface			Charge To								Bennett + Shulte					
Hole Size	12 1/4"			T.D.	925'			Street									
Csg.	8 5/8"			Depth	925'			City								State	
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Tool				Depth				Cement Amount Ordered								400 5x Common 3 1/2 CC	
Cement Left in Csg.	22'			Shoe Joint	22'			Cement								57 1/2 BLS 2 1/2 Gal	
Meas Line				Displace				Common									
EQUIPMENT																	
Pumptrk	16	No.	Cementer	Billy			Poz. Mix										
			Helper														
Bulktrk	19	No.	Driver	Chad			Gel.										
			Driver														
Bulktrk	p.u.	No.	Driver	Rick			Calcium										
			Driver														
JOB SERVICES & REMARKS																	
Remarks:	Cement did			Circulate													
Rat Hole	Flowseal																
Mouse Hole	Kol-Seal																
Centralizers	Mud CLR 48																
Baskets	CFL-117 or CD110 CAF 38																
D/V or Port Collar	Sand																
	Handling																
	Mileage																
FLOAT EQUIPMENT																	
	Guide Shoe																
	Centralizer																
	Baskets																
	AFU Inserts																
	Float Shoe																
	Latch Down																
	1 - Baffle plate																
	1 - Rubber plug																
	Pumptrk Charge																
	Mileage																
												Tax					
												Discount					
												Total Charge					
X	Signature																

Thomas
Blake

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. 7755

Date	8-19-13	Sec.	17	Twp.	17	Range	14	County	Barton	State	Ks	On Location		Finish	2:15 AM	
Lease	Yarmer							Well No.	17-4	Owner	S/Info					
Contractor	Royal 2							To Quality Oilwell Cementing, Inc.								
Type Job	Production							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 7/8"		T.D.	3480'			Charge To	Bennett - Shulte								
Csg.	5 1/2"		Depth	3467'			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.	23'		Shoe Joint	23'			Cement Amount Ordered	1/5 5x Common 10% Salt								
Meas Line			Displace	82 BLS			5% Gilsonite - 500 gal Mud Clear 48									
EQUIPMENT							Common									
Pumptrk	16	No.	Cementer	Billy			Poz. Mix									
Bulktrk	1	No.	Driver	David			Gel.									
Bulktrk	pu.	No.	Driver	Rick			Calcium									
JOB SERVICES & REMARKS							Hulls									
Remarks:	pipe on bottom, break							Salt								
Rat Hole	Circulation, Pump 500							Flowseal								
Mouse Hole	gal mud clear 48, plug							Kol-Seal								
Centralizers	Rathole w/ 30 5x, mousehole							Mud CLR 48								
Baskets	w/ 15 5x, Hook to casing							CFL-117 or CD110 CAF 38								
D/V or Port Collar	+ mix 100 5x Cement							Sand								
Shut down. wash pump + line							Handling									
Released plug + Displaced with 82 BLS of water.							Mileage									
Released + held.							FLOAT EQUIPMENT									
Lift pressure 750 #							Guide Shoe									
Lift plug to 1500 #							Centralizer 4 turbo's									
							Baskets 3									
							AFU Inserts									
							Float Shoe 1									
							Latch Down 1									
							Pumptrk Charge									
							Mileage									
							Tax									
							Discount									
							Total Charge									
X Signature	[Signature]															



DRILL STEM TEST REPORT

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

140 W Wichita Ave
Russell KS 67665-2746

ATTN: Frank Schulte

Yarmer #17-4

17 17s 14w Barton,KS

Start Date: 2013.08.17 @ 14:14:00

End Date: 2013.08.17 @ 17:32:00

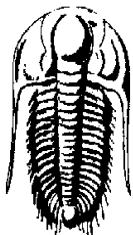
Job Ticket #: 50459 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.20 @ 11:34:50



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co

17 17s 14w Barton, KS

140 W Wichita Ave
Russell KS 67665-2746

Yarmer #17-4

Job Ticket: 50459

DST#: 1

ATTN: Frank Schulte

Test Start: 2013.08.17 @ 14:14:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:00:00

Time Test Ended: 17:32:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 54

Interval: 3420.00 ft (KB) To 3435.00 ft (KB) (TVD)

Total Depth: 3435.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1929.00 ft (KB)

1922.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press@RunDepth: psig @ 3421.00 ft (KB)

Start Date: 2013.08.17

End Date:

2013.08.17

Start Time: 14:14:02

End Time:

17:31:30

Capacity: 8000.00 psig

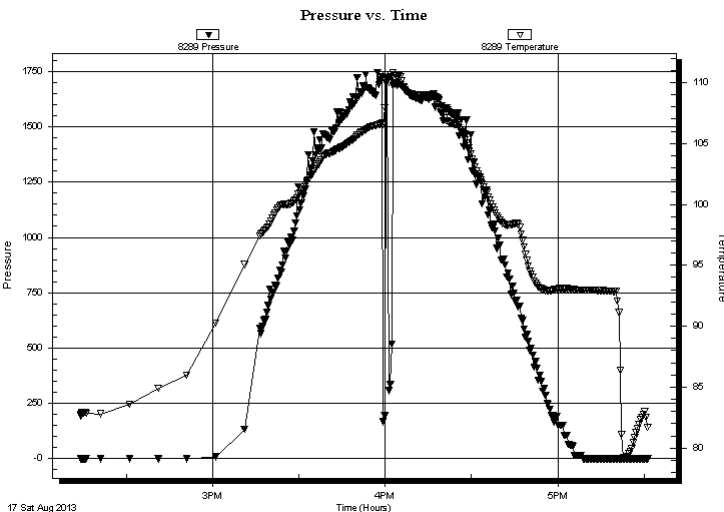
Last Calib.:

2013.08.17

Time On Btm:

Time Off Btm:

TEST COMMENT: Miss-Run Packers Failed



PRESSURE SUMMARY

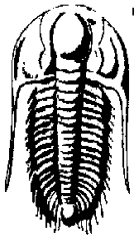
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co

17 17s 14w Barton,KS

140 W Wichita Ave
Russell KS 67665-2746

Yarmer #17-4

ATTN: Frank Schulte

Job Ticket: 50459

DST#: 1

Test Start: 2013.08.17 @ 14:14:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:00:00

Time Test Ended: 17:32:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 54

Interval: 3420.00 ft (KB) To 3435.00 ft (KB) (TVD)

Reference Elevations: 1929.00 ft (KB)

Total Depth: 3435.00 ft (KB) (TVD)

1922.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8789 Inside

Press @ Run Depth: psig @ 3421.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.17 End Date: 2013.08.17

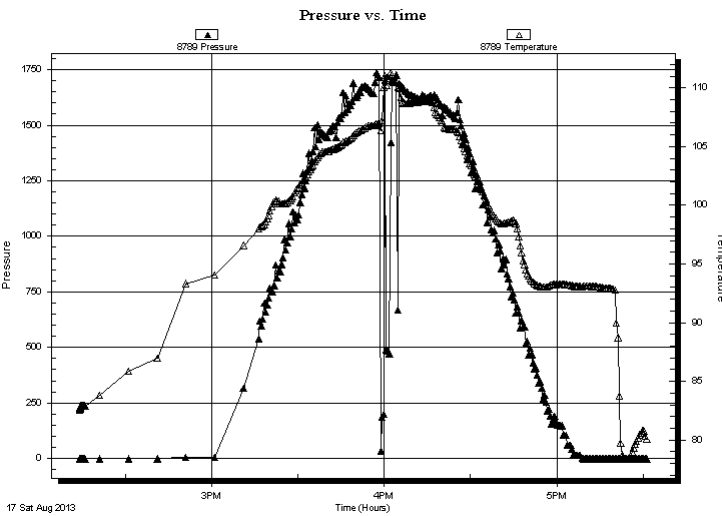
Last Calib.: 2013.08.17

Start Time: 14:14:02 End Time: 17:31:15

Time On Btm:

Time Off Btm:

TEST COMMENT: Miss-Run Packers Failed



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bennett & Schulte Oil Co

17 17s 14w Barton,KS

140 W Wichita Ave
Russell KS 67665-2746

Yarmer #17-4

Job Ticket: 50459

DST#: 1

ATTN: Frank Schulte

Test Start: 2013.08.17 @ 14:14:00

Tool Information

Drill Pipe:	Length: 3412.00 ft	Diameter: 3.80 inches	Volume: 47.86 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	49000.00 lb
			<u>Total Volume: 47.86 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3420.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	36.00 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			3400.00	
Shut In Tool	5.00			3405.00	
Hydraulic tool	5.00			3410.00	
Packer	5.00			3415.00	21.00 Bottom Of Top Packer
Packer	5.00			3420.00	
Stubb	1.00			3421.00	
Recorder	0.00	8789	Inside	3421.00	
Recorder	0.00	8289	Outside	3421.00	
Perforations	11.00			3432.00	
Bullnose	3.00			3435.00	15.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co
140 W Wichita Ave
Russell KS 67665-2746
ATTN: Frank Schulte

17 17s 14w Barton,KS
Yarmer #17-4
Job Ticket: 50459 **DST#: 1**
Test Start: 2013.08.17 @ 14:14:00

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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

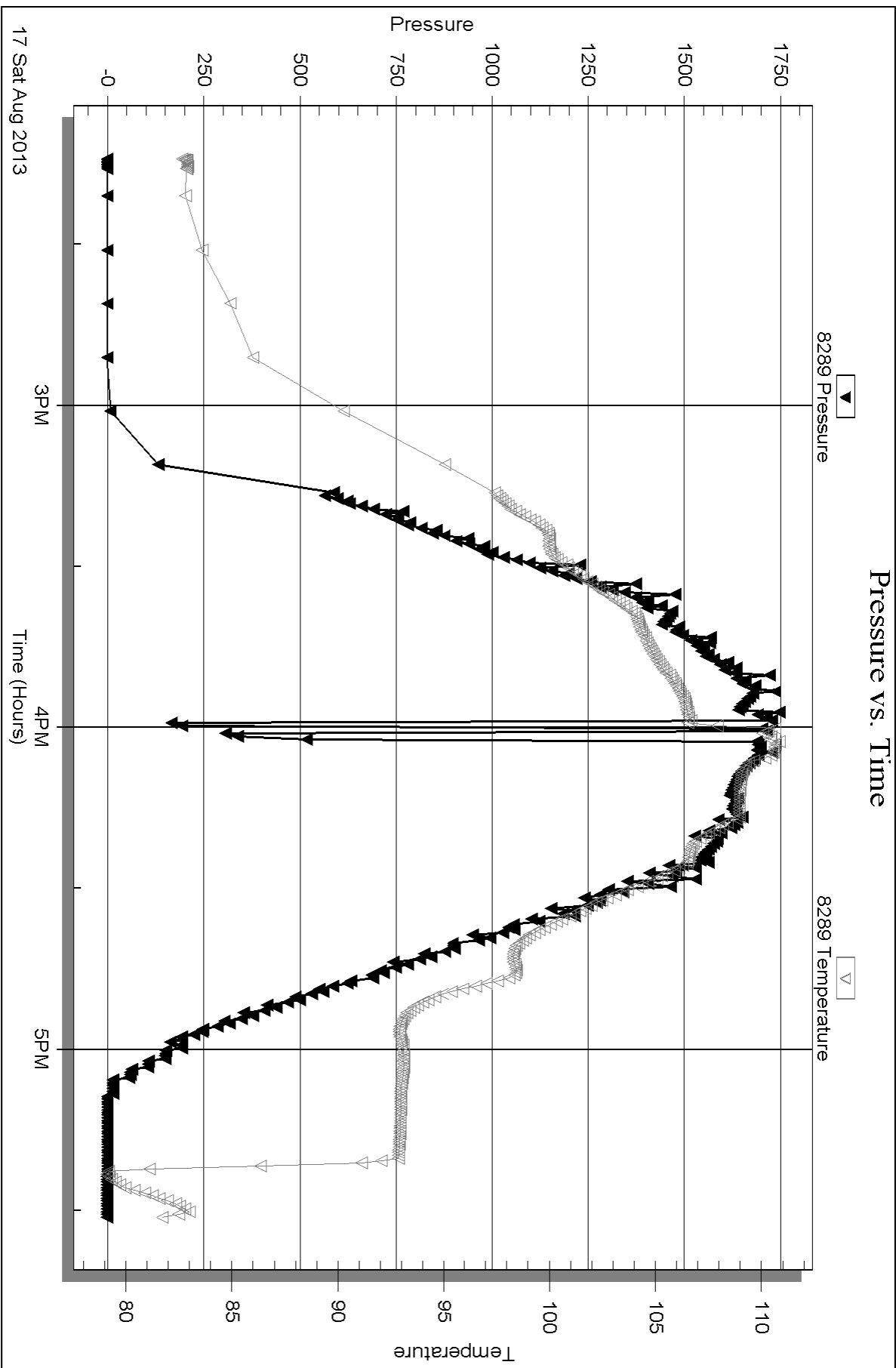
Total Length: ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8289

Outside Bennett & Schulte Oil Co

Yarner #17-4

DST Test Number: 1



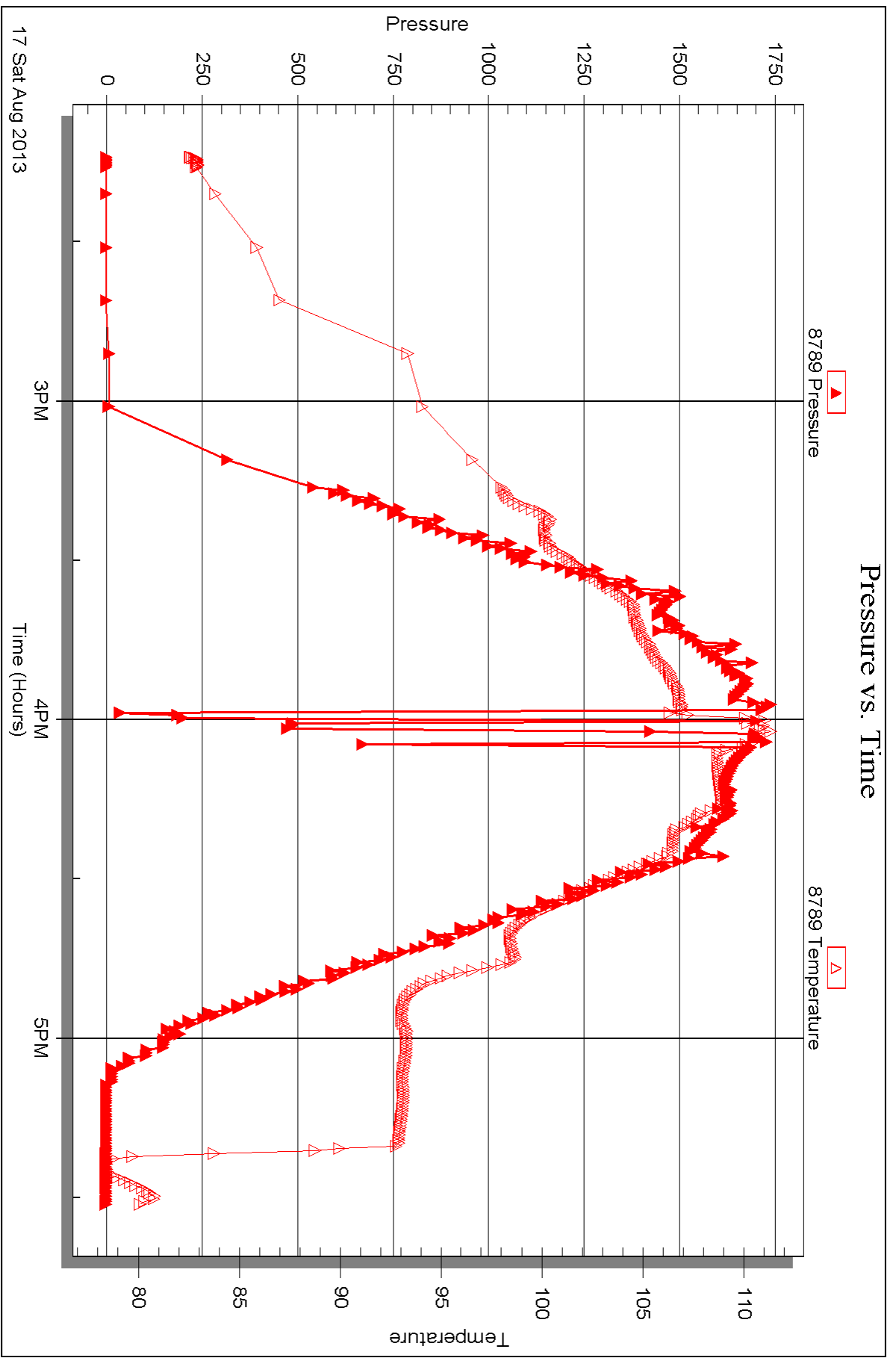
Serial #: 8789

Inside

Bennett & Schulte Oil Co

Yarner #17-4

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50459

Printed: 2013.08.20 @ 11:34:53



DRILL STEM TEST REPORT

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

140 W Wichita Ave
Russell KS 67665-2746

ATTN: Frank Schulte

Yarmer #17-4

17 17s 14w Barton,KS

Start Date: 2013.08.17 @ 17:48:00

End Date: 2013.08.18 @ 00:17:00

Job Ticket #: 50460 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.20 @ 11:31:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co
 140 W Wichita Ave
 Russell KS 67665-2746
 ATTN: Frank Schulte

17 17s 14w Barton, KS

Yarmer #17-4

Job Ticket: 50460

DST#: 2

Test Start: 2013.08.17 @ 17:48:00

GENERAL INFORMATION:

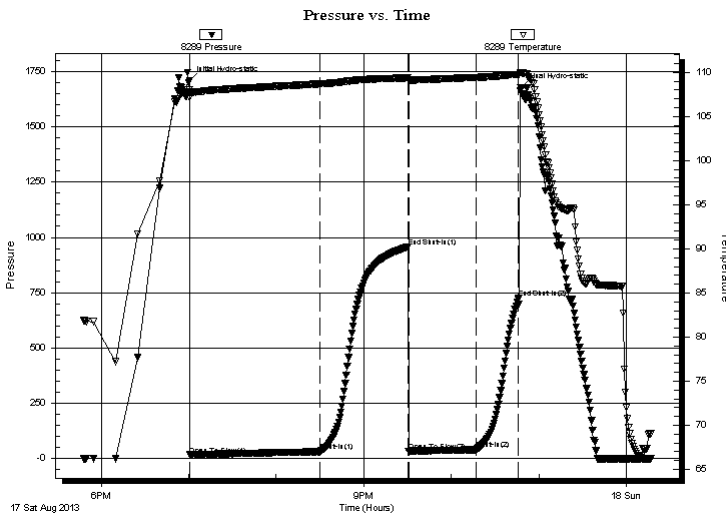
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:00:45
 Tester: Jim Svaty
 Time Test Ended: 00:17:00
 Unit No: 54
 Interval: **3386.00 ft (KB) To 3435.00 ft (KB) (TVD)**
 Reference Elevations: 1929.00 ft (KB)
 Total Depth: 3435.00 ft (KB) (TVD)
 1922.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press @ RunDepth: 39.80 psig @ 3393.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.17 End Date: 2013.08.18 Last Calib.: 2013.08.18
 Start Time: 17:48:02 End Time: 00:17:00 Time On Btm: 2013.08.17 @ 19:00:30
 Time Off Btm: 2013.08.17 @ 22:47:30

TEST COMMENT: 90-IFP- Surface Blow in 30min. to Strong Blow 1 1/2in. To Weak Blow at 2in.
 60-ISIP- No Blow
 45-FFP- Weak Surface Blow in 18min. to Good Surface Blow in 20min.
 30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1710.45	108.01	Initial Hydro-static
1	16.66	107.16	Open to Flow (1)
90	30.68	108.70	Shut-In(1)
150	956.38	109.38	End Shut-In(1)
151	31.89	109.12	Open To Flow (2)
197	39.80	109.43	Shut-In(2)
226	725.51	109.79	End Shut-In(2)
227	1678.38	109.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
32.00	OCM 45%o 55%m	0.45
32.00	CO 100%	0.45

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

17 17s 14w Barton,KS

140 W Wichita Ave
Russell KS 67665-2746

Yarmer #17-4

Job Ticket: 50460

DST#: 2

ATTN: Frank Schulte

Test Start: 2013.08.17 @ 17:48:00

Tool Information

Drill Pipe:	Length: 3379.00 ft	Diameter: 3.80 inches	Volume: 47.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3386.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	70.00 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			3366.00	
Shut In Tool	5.00			3371.00	
Hydraulic tool	5.00			3376.00	
Packer	5.00			3381.00	21.00 Bottom Of Top Packer
Packer	5.00			3386.00	
Stubb	1.00			3387.00	
Perforations	5.00			3392.00	
Change Over Sub	1.00			3393.00	
Recorder	0.00	8789	Inside	3393.00	
Recorder	0.00	8289	Outside	3393.00	
Blank Spacing	31.00			3424.00	
Change Over Sub	1.00			3425.00	
Perforations	7.00			3432.00	
Bullnose	3.00			3435.00	49.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co

17 17s 14w Barton,KS

140 W Wichita Ave
Russell KS 67665-2746

Yarmer #17-4

Job Ticket: 50460

DST#: 2

ATTN: Frank Schulte

Test Start: 2013.08.17 @ 17:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
32.00	OCM 45%o 55%m	0.449
32.00	CO 100%	0.449

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:

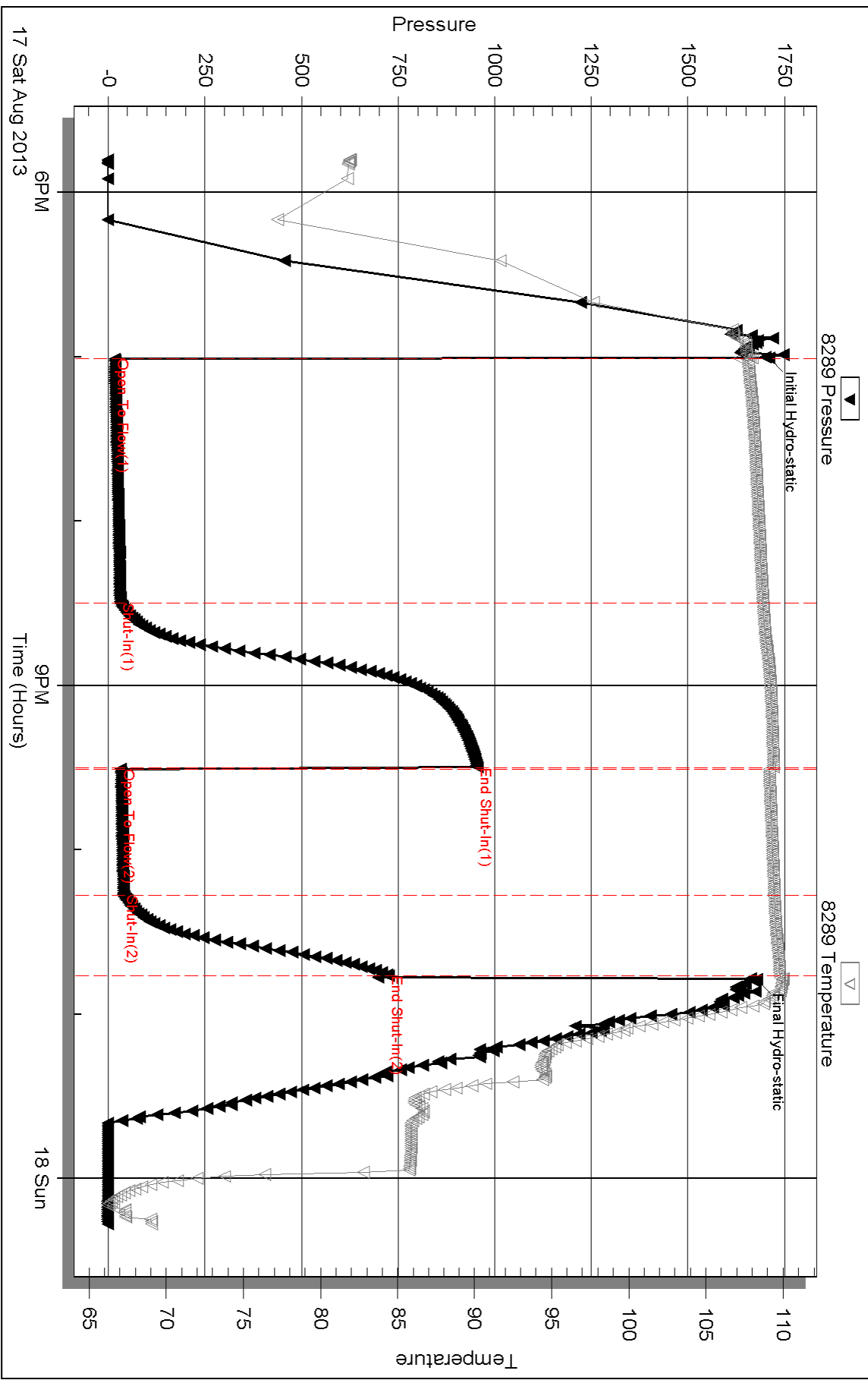
Serial #: 8289

Outside Bennett & Schulte Oil Co

Yarner #17-4

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50460

Printed: 2013.08.20 @ 11:31:48

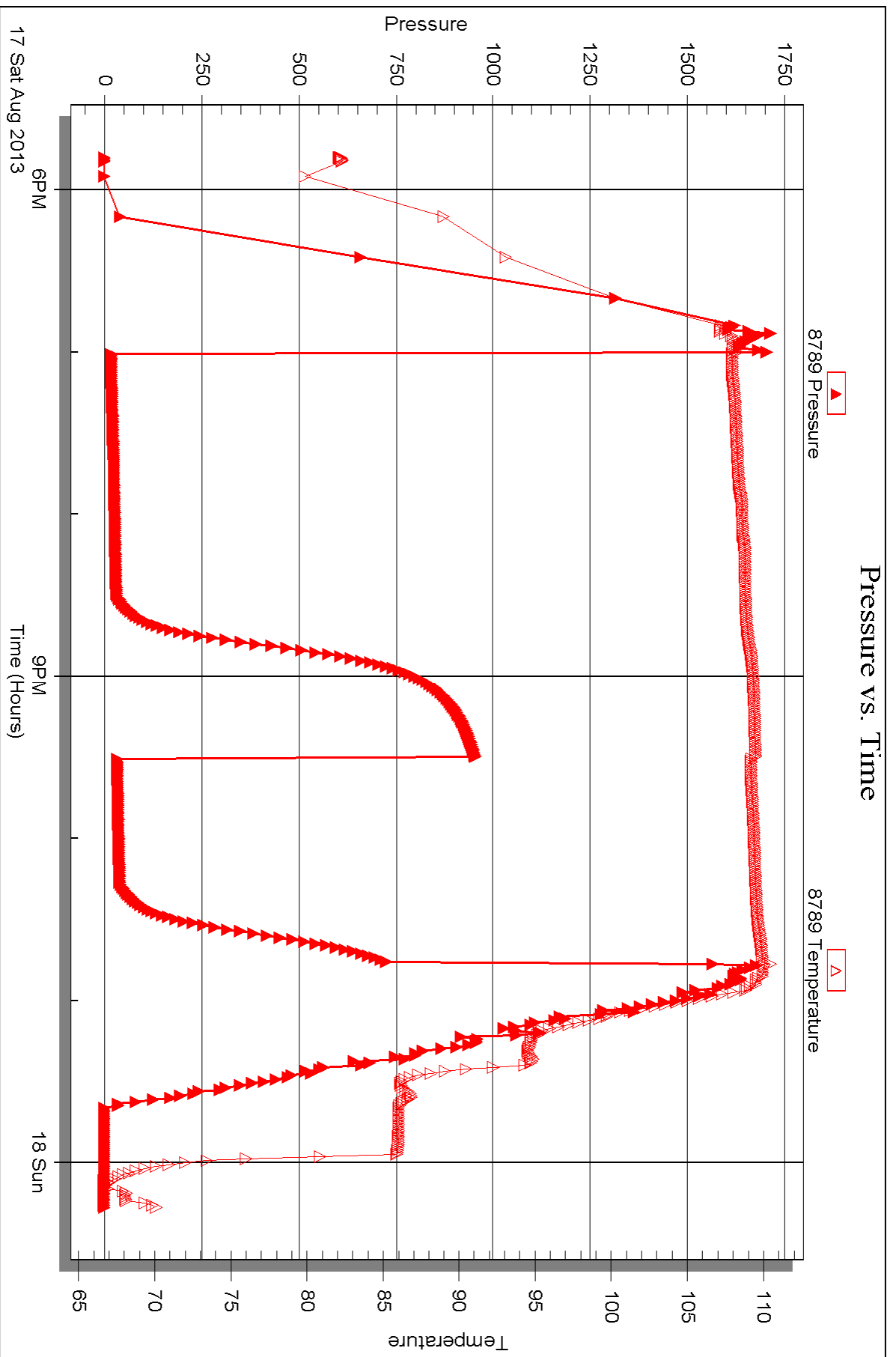
Serial #: 8789

Inside

Bennett & Schulte Oil Co

Yarner #17-4

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50460

Printed: 2013.08.20 @ 11:31:49



DRILL STEM TEST REPORT

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

140 W Wichita Ave
Russell KS 67665-2746

ATTN: Frank Schulte

Yarmer #17-4

17 17s 14w Barton,KS

Start Date: 2013.08.18 @ 04:58:00

End Date: 2013.08.18 @ 09:47:00

Job Ticket #: 50461 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.20 @ 11:27:50



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bennett & Schulte Oil Co
 140 W Wichita Ave
 Russell KS 67665-2746
 ATTN: Frank Schulte

17 17s 14w Barton, KS

Yarmer #17-4

Job Ticket: 50461

DST#: 3

Test Start: 2013.08.18 @ 04:58:00

GENERAL INFORMATION:

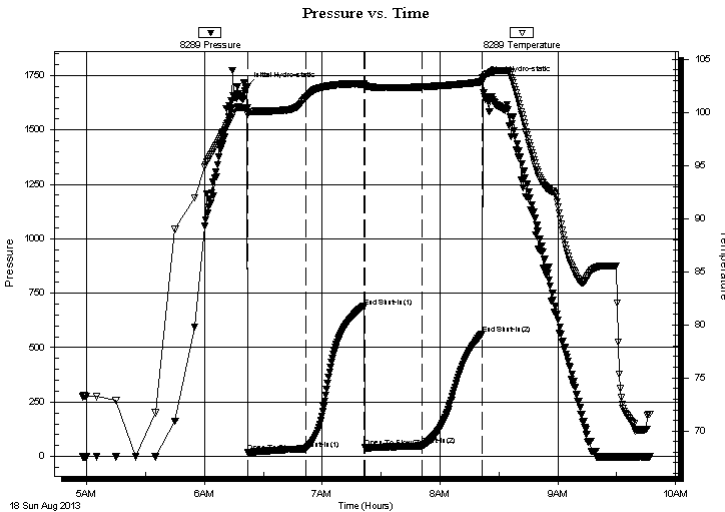
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:22:00
 Time Test Ended: 09:47:00
 Interval: **3386.00 ft (KB) To 3442.00 ft (KB) (TVD)**
 Total Depth: 3442.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 54
 Reference Elevations: 1929.00 ft (KB)
 1922.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 49.60 psig @ 3387.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.18 End Date: 2013.08.18 Last Calib.: 2013.08.18
 Start Time: 04:58:02 End Time: 09:46:45 Time On Btm: 2013.08.18 @ 06:21:45
 Time Off Btm: 2013.08.18 @ 08:21:45

TEST COMMENT: 30-IFP- Surface Blow Building to 8"
 30-ISIP- No Blow
 30-FFP- Surface Blow Building to 5"
 30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.32	100.39	Initial Hydro-static
1	18.38	99.75	Open To Flow (1)
30	35.60	101.36	Shut-In(1)
60	686.90	102.66	End Shut-In(1)
90	41.11	102.47	Open To Flow (2)
90	49.60	102.39	Shut-In(2)
120	562.09	102.88	End Shut-In(2)
120	1727.73	103.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 10%o 90%m	0.14
70.00	MCO 50%m 50%o	0.98
10.00	CO 100%	0.14

* 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

17 17s 14w Barton,KS

140 W Wichita Ave
Russell KS 67665-2746

Yarmer #17-4

Job Ticket: 50461

DST#: 3

ATTN: Frank Schulte

Test Start: 2013.08.18 @ 04:58:00

Tool Information

Drill Pipe:	Length: 3379.00 ft	Diameter: 3.80 inches	Volume: 47.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3386.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3366.00	
Shut In Tool	5.00			3371.00	
Hydraulic tool	5.00			3376.00	
Packer	5.00			3381.00	21.00 Bottom Of Top Packer
Packer	5.00			3386.00	
Stubb	1.00			3387.00	
Recorder	0.00	8789	Inside	3387.00	
Recorder	0.00	8289	Outside	3387.00	
Perforations	19.00			3406.00	
Change Over Sub	1.00			3407.00	
Blank Spacing	31.00			3438.00	
Change Over Sub	1.00			3439.00	
Bullnose	3.00			3442.00	56.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Schulte Oil Co

17 17s 14w Barton,KS

140 W Wichita Ave
Russell KS 67665-2746

Yarmer #17-4

Job Ticket: 50461

DST#: 3

ATTN: Frank Schulte

Test Start: 2013.08.18 @ 04:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	OCM 10%o 90%m	0.140
70.00	MCO 50%m 50%o	0.982
10.00	CO 100%	0.140

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

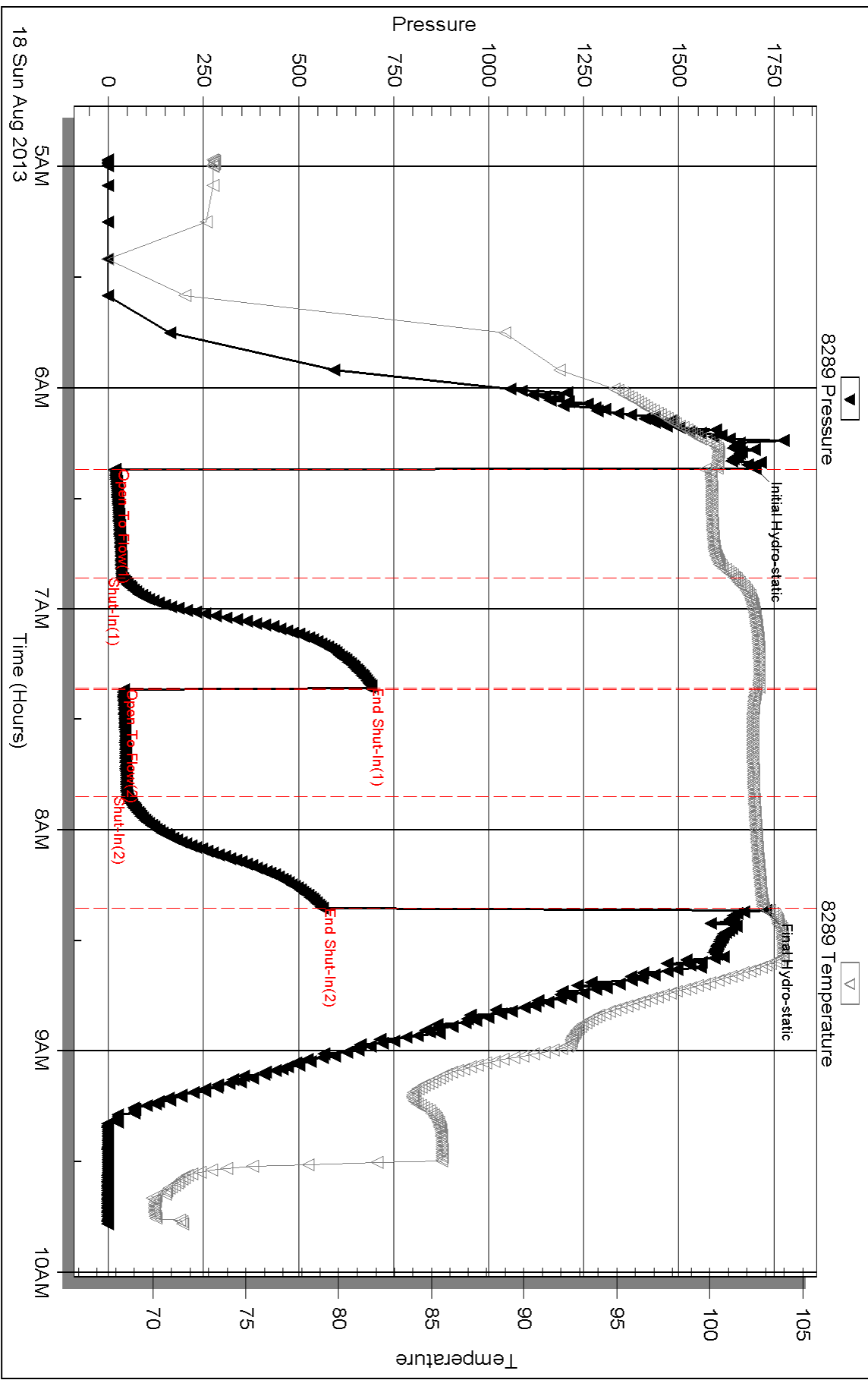
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



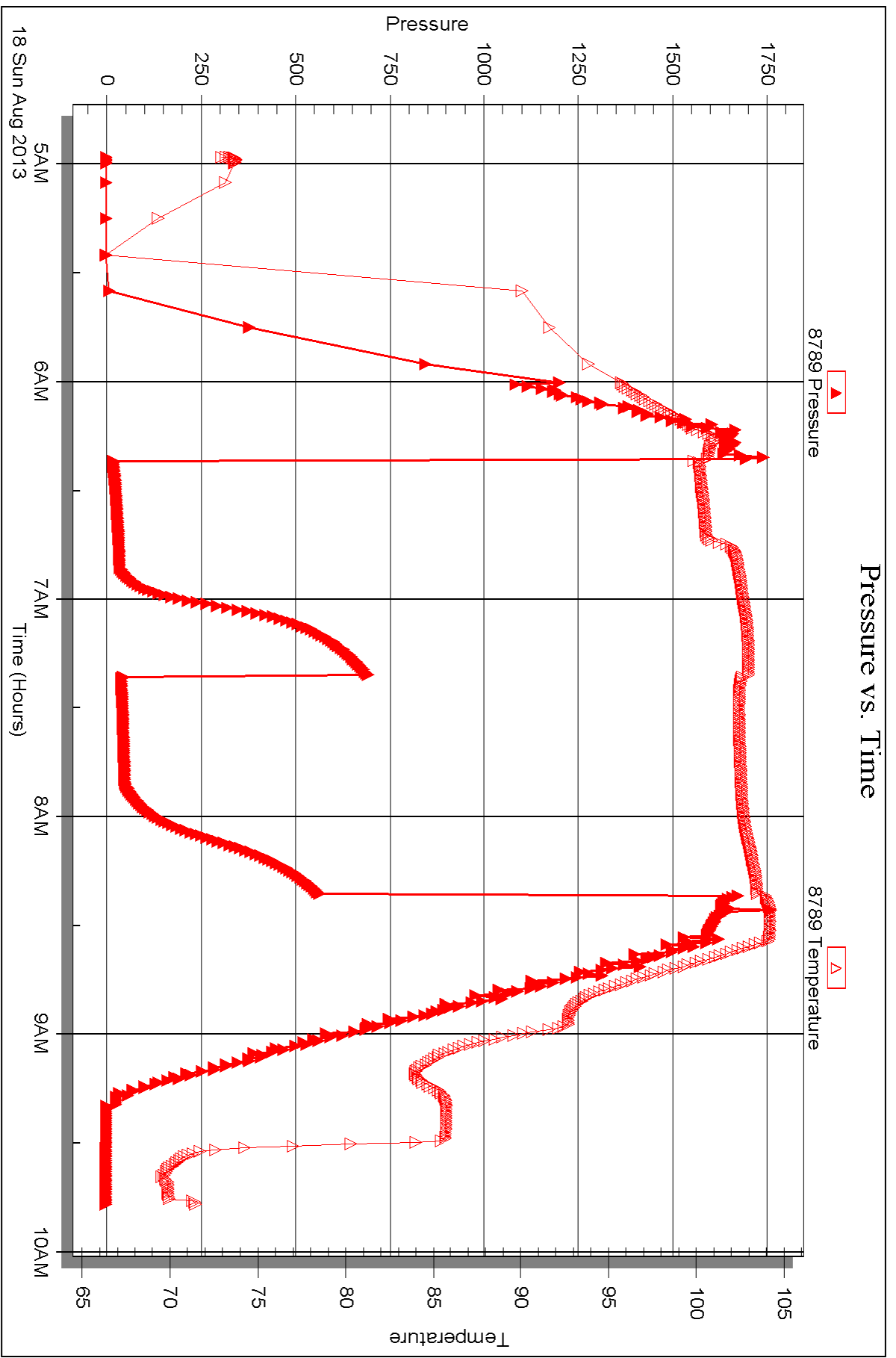
Serial #: 8789

Inside

Bennett & Schulte Oil Co

Yarner #17-4

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50459

Well Name & No. Yarmer # 17-4 Test No. 1 Date 8-17-13
 Company Bennett & Schulte Oil Co, A&P Elevation 1929 KB 1922 GL
 Address 140 W. Wichita Ave Russell KS 67665-2746
 Co. Rep / Geo. Frank Schulte Rig Royal #2
 Location: Sec. 17 Twp. 17^s Rge. 14w Co. Barton State KS

Interval Tested 3420-3435 Zone Tested Arbuckle
 Anchor Length 15 Drill Pipe Run 3412 Mud Wt. 9.2
 Top Packer Depth 3415 Drill Collars Run 0 Vis 61
 Bottom Packer Depth 3420 Wt. Pipe Run 0 WL 8.4
 Total Depth 3435 Chlorides 4000 ppm System LCM 1

Blow Description IFP-
ISIP-
FFP-
FSIP-

Miss-Bur Packers Failed

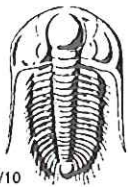
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic _____ Test 950 T-On Location 13:43
 (B) First Initial Flow _____ Jars _____ T-Started 14:14
 (C) First Final Flow _____ Safety Joint _____ T-Open 16:00
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 16:07
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 17:32
 (F) Second Final Flow _____ Mileage 91 BT 141.05 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open _____ Extra Recorder _____ Sub Total 0
 Initial Shut-In _____ Day Standby _____ Total 1091.05
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1091.05

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50460

Well Name & No. Yarmer #17-4 Test No. 2 Date 8-17-13
 Company Bennett Schulte Oil Co. ASP Elevation 1929 KB 1922 GL
 Address 140 W. Wichita Ave Russell KS. 67665-2746
 Co. Rep / Geo. Frank Schulte Rig Royal #2
 Location: Sec. 17 Twp. 17s Rge. 14w Co. Barton State KS

Interval Tested 3386-3435 Zone Tested Arbuckle
 Anchor Length 49 Drill Pipe Run 3379 Mud Wt. 9.2
 Top Packer Depth 3381 Drill Collars Run 0 Vis 6.1
 Bottom Packer Depth 3386 Wt. Pipe Run 0 WL 8.4
 Total Depth 3435 Chlorides 4000 ppm System LCM 1

Blow Description FFP - Surface Blow in 30 min to strong blow 1/2 in. to weak blow 2 in.
ISIP - No Blow
FFP - Weak Surface Blow in 18 min. to good surface blow 20 min
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>32</u>	<u>OCM</u>	<u>45</u>		<u>55</u>	
<u>32</u>	<u>CO</u>	<u>100</u>			
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

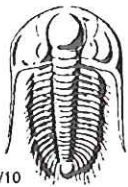
Rec Total 64 BHT 110 Gravity 34 API RW @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1710 Test 1150 T-On Location 13:43
- (B) First Initial Flow 16 Jars _____ T-Started 17:48
- (C) First Final Flow 30 Safety Joint _____ T-Open 19:01
- (D) Initial Shut-In 956 Circ Sub _____ T-Pulled 22:46
- (E) Second Initial Flow 31 Hourly Standby _____ T-Out 00:17
- (F) Second Final Flow 39 Mileage 91 RT Comments _____
- (G) Final Shut-In 725 Sampler _____
- (H) Final Hydrostatic 1678 Straddle _____ Ruined Shale Packer _____

Initial Open 90 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 60 Extra Packer _____ Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1150
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1150

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50461

Well Name & No. Varmer #17-4 Test No. 3 Date 8-18-13
 Company Bennett Schulte Oil Co. AMP Elevation 1929 KB 1922 GL
 Address 140 W. WICHITA Ave Russell KS 67665-2746
 Co. Rep / Geo. Frank Schulte Rig Royal #2
 Location: Sec. 17 Twp. 17^s Rge. 14^w Co. BARTON State KS

Interval Tested 3386-3442 Zone Tested Arbuckle
 Anchor Length 56 Drill Pipe Run 3379 Mud Wt. 9.2
 Top Packer Depth 3381 Drill Collars Run 0 Vis 61
 Bottom Packer Depth 3386 Wt. Pipe Run 0 WL 8.4
 Total Depth 3442 Chlorides 4000 ppm System LCM 1

Blow Description FFP - Surface Blow Building to 8 in.
ISIP - No Blow
FFP - Surface Blow Building to 5 in.
FSIP No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
<u>70</u>	<u>MCO</u>	<u>50</u>		<u>50</u>	
<u>10</u>	<u>CO</u>	<u>100</u>			

Rec Total 90 BHT 103 Gravity 34 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1700 Test 1150 T-On Location 04:58
 (B) First Initial Flow 18 Jars T-Started 04:58
 (C) First Final Flow 35 Safety Joint T-Open 06:22
 (D) Initial Shut-In 686 Circ Sub T-Pulled 08:22
 (E) Second Initial Flow 41 Hourly Standby T-Out 09:47
 (F) Second Final Flow 49 Mileage 91 RT X2 Comments Called to
 (G) Final Shut-In 562 Sampler 282.10 PU Tool
 (H) Final Hydrostatic 1727 Straddle 8-18-13 6:58pm
 Ruined Shale Packer
 Ruined Packer

Initial Open 30 Extra Packer
 Initial Shut-In 30 Extra Recorder
 Final Flow 30 Day Standby
 Final Shut-In 30 Accessibility
 Sub Total 1432.10 MP/DST Disc't

Approved By _____ Our Representative [Signature]

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