

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs 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 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	BOYER 4-3
Doc ID	1358344

All Electric Logs Run

Micro Log
Comp Sonic
Annular Hole
Array Compensated
Spectral Density
Borehole Compensated

Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	BOYER 4-3
Doc ID	1358344

Tops

Name	Top	Datum
Topeka	2610	-1409
Stalnaker	3373	-2172
KC	3768	-2567
Marm	4116	-2915
Cher	4263	-3062
Miss	4500	-3299
Kinder	4884	-3683
Chattatnooga	4920	-3719
Simpson	4964	-3808



BASICSM
ENERGY SERVICES



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1009504	1718	06/25/2017
INVOICE NUMBER			
92453888			

Pratt (620) 672-1201
 B K3 OIL & GAS
 I 24900 PITKIN RD, SUITE 305
 L THE WOODLANDS
 L TX US 77386
 T
 O ATTN: SELIGMAN

J LEASE NAME Boyer 4-3
 O LOCATION
 B COUNTY Sumner
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
41035240	19843		Net - 30 days	07/25/2017

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 06/14/2017 to 06/14/2017</i>				
0041035240				
171815227A Cement-New Well Casing/Pi 06/14/2017 Cement Surface				
A-Serv Lite	165.00	EA	6.37	1,051.05 T
60/40 POZ	110.00	EA	5.88	646.80 T
Celloflake	70.00	EA	1.81	126.91 T
Calcium Chloride	717.00	EA	0.51	368.90 T
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	110.25	110.25
"Unit Mileage Chg (PU, cars one way)"	85.00	MI	2.20	187.42
Heavy Equipment Mileage	170.00	MI	3.68	624.75
"Proppant & Bulk Del. Chgs., per ton mil	1,195.00	EA	1.22	1,463.87
Blending & Mixing Service Charge	275.00	BAG	0.69	188.65
Plug Container Util. Chg.	1.00	EA	122.50	122.50
Depth Charge; 0-500'	1.00	EA	490.00	490.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	85.76	85.76
Company _____				
Well Name <u>Boyer 4-3</u>				
G/L Account _____				
Approval _____				

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	5,466.86
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	164.52
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	5,631.38
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		

NATURAL GAS ANALYSIS REPORT
GPA 2145-09

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-482-2371
Fax: 620-626-7108

Lab Number: 20171539
Sample From: BOYER 4-3
Producer: K3 O&G
Date:
Time:
Sampler:
Source: DST 1

Analyzed: 06/26/17
Pressure:
Temperature:
Location: 3-35-4
County: SUMNER
State: KANSAS
Formation: MISS

	Mole %	GPM
Helium	He: 0.198	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 10.384	0.000
Carbon Dioxide	CO2: 0.017	0.000
Methane	C1: 75.926	0.000
Ethane	C2: 7.092	2.660
Propane	C3: 3.423	1.283
Iso Butane	iC4: 0.445	0.136
Normal Butane	nC4: 1.213	0.386
Iso Pentane	iC5: 0.280	0.077
Normal Pentane	nC5: 0.393	0.109
Hexanes Plus	C6+: 0.629	0.145
TOTAL:		100.000 4.795
Z Fact:		0.9998
SP.GR.:		0.7180
BTU (SAT):		1094.4 @ 14.73 psia
BTU (DRY):		1113.8 @ 14.73 psia
OCTANE RATING:		111.4

COMMENTS:

0.000



DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas**

24900 Pitkin Rd Ste 305
The Woodlands, TX 77386

ATTN: Susan Rainbolt

Boyer #4-3

3-35S-4W Sumner,KS

Start Date: 2017.06.17 @ 10:54:15

End Date: 2017.06.17 @ 20:17:45

Job Ticket #: 59944 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.22 @ 08:47:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K3 Oil & Gas
 24900 Pitkin Rd Ste 305
 The Woodlands, TX 77386
 ATTN: Susan Rainbolt

3-35S-4W Sumner,KS

Boyer #4-3

Job Ticket: 59944

DST#: 1

Test Start: 2017.06.17 @ 10:54:15

GENERAL INFORMATION:

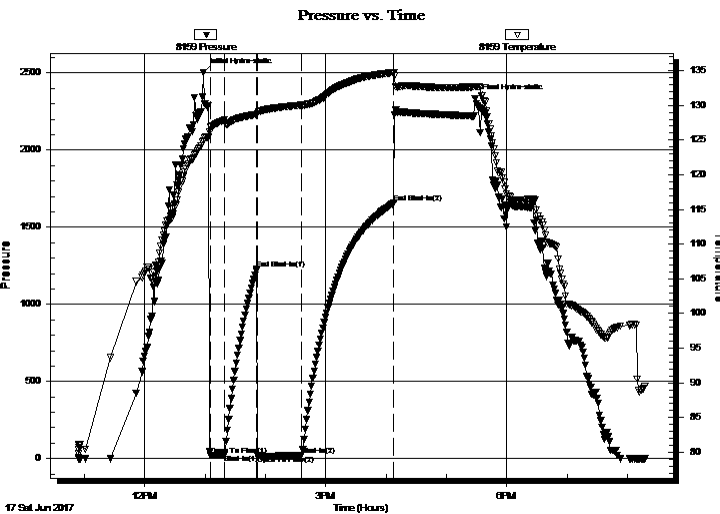
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:05:30
 Time Test Ended: 20:17:45
 Interval: **4490.00 ft (KB) To 4520.00 ft (KB) (TVD)**
 Total Depth: 4520.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1206.00 ft (KB)
 1192.00 ft (CF)
 KB to GR/CF: 14.00 ft

Serial #: 8159

Inside

Press@RunDepth: 20.15 psig @ 4491.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.17 End Date: 2017.06.17 Last Calib.: 2017.06.17
 Start Time: 10:54:16 End Time: 20:17:45 Time On Btm: 2017.06.17 @ 12:58:30
 Time Off Btm: 2017.06.17 @ 17:28:30

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds
 IS: No Blow Back
 FF: Strong Blow , BOB in 10 seconds, GTS in 38 minutes, TSTM Caught Sample
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2503.66	124.81	Initial Hydro-static
7	21.70	126.87	Open To Flow (1)
21	25.06	127.87	Shut-In(1)
53	1227.36	128.69	End Shut-In(1)
54	19.80	128.75	Open To Flow (2)
98	20.15	130.02	Shut-In(2)
190	1656.40	134.73	End Shut-In(2)
270	2332.76	132.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
5.00	GCM 5%G 95%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386
ATTN: Susan Rainbolt

3-35S-4W Sumner,KS
Boyer #4-3
Job Ticket: 59944 **DST#: 1**
Test Start: 2017.06.17 @ 10:54:15

Tool Information

Drill Pipe:	Length: 4346.00 ft	Diameter: 3.80 inches	Volume: 60.96 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.57 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4490.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	56.00 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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Shut In Tool	5.00			4469.00	
Hydraulic tool	5.00			4474.00	
Jars	5.00			4479.00	
Safety Joint	2.00			4481.00	
Packer	5.00			4486.00	26.00 Bottom Of Top Packer
Packer	4.00			4490.00	
Stubb	1.00			4491.00	
Recorder	0.00	8159	Inside	4491.00	
Recorder	0.00	6806	Outside	4491.00	
Perforations	26.00			4517.00	
Bullnose	3.00			4520.00	30.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386
ATTN: Susan Rainbolt

3-35S-4W Sumner,KS
Boyer #4-3
Job Ticket: 59944 **DST#: 1**
Test Start: 2017.06.17 @ 10:54:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

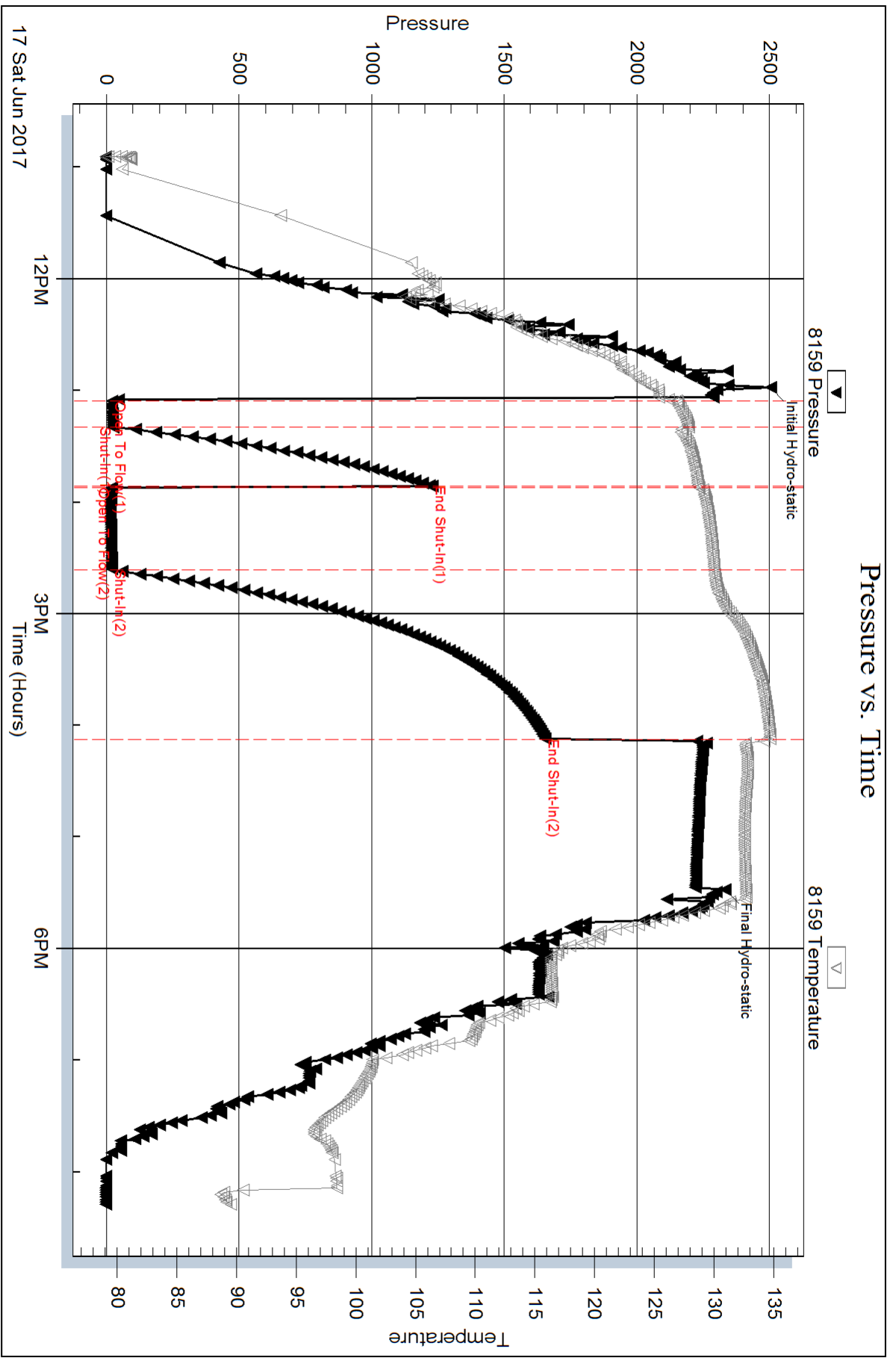
Length ft	Description	Volume bbl
0.00	GTS	0.000
5.00	GCM 5%G 95%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

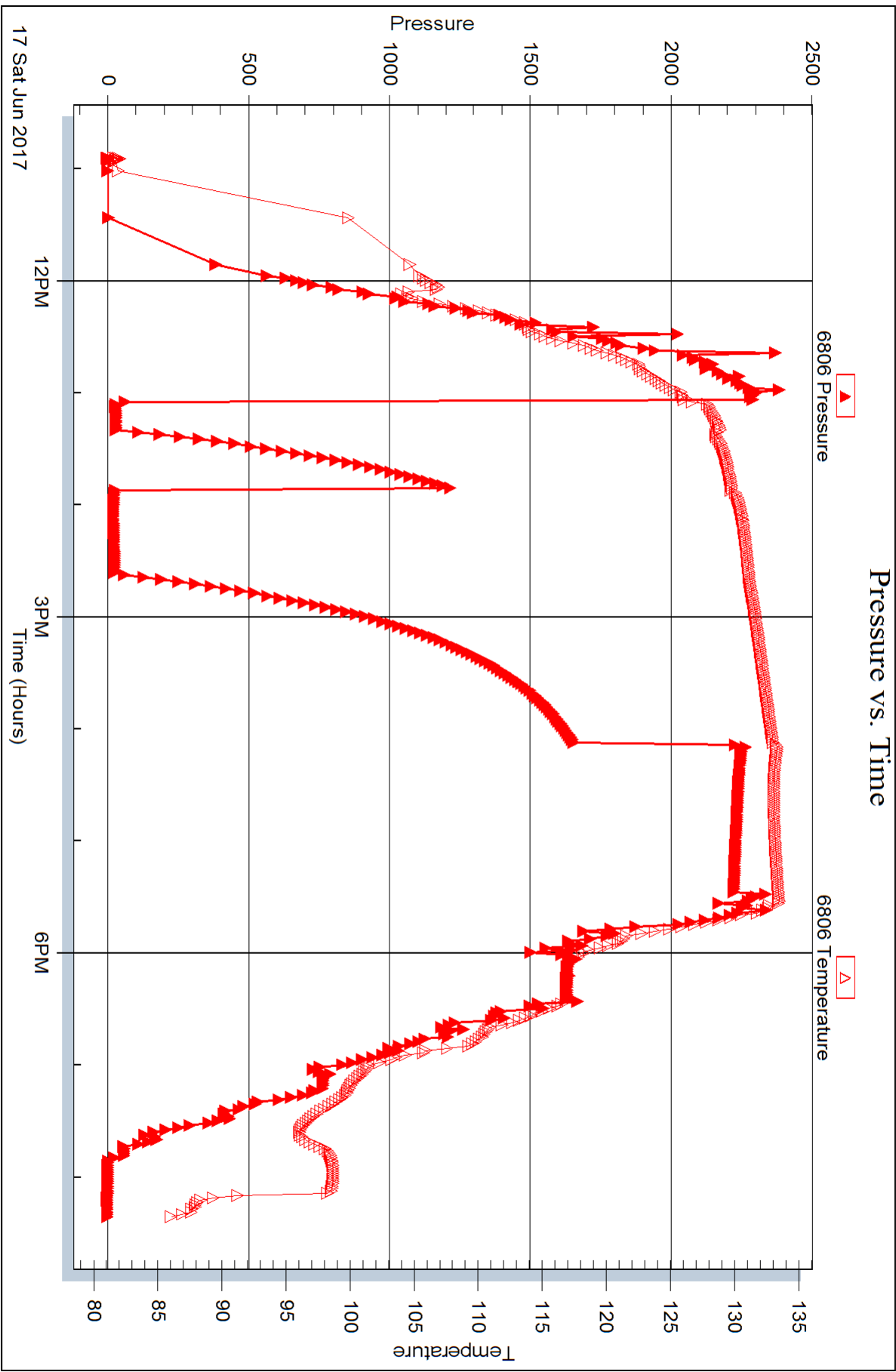


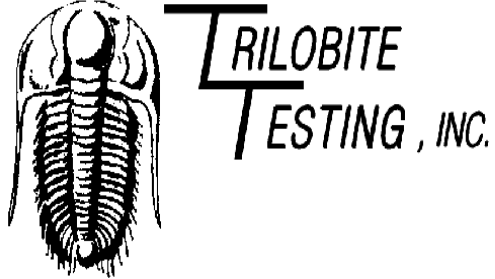
Serial #: 6806

Outside K3 Oil & Gas

Boyer #4-3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas**

24900 Pitkin Rd Ste 305
The Woodlands, TX 77386

ATTN: Susan Rainbolt

Boyer #4-3

3-35S-4W Sumner,KS

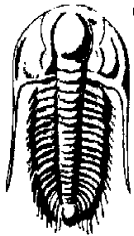
Start Date: 2017.06.20 @ 02:40:00

End Date: 2017.06.20 @ 09:55:15

Job Ticket #: 59945 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.22 @ 08:46:25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K3 Oil & Gas
 24900 Pitkin Rd Ste 305
 The Woodlands, TX 77386
 ATTN: Susan Rainbolt

3-35S-4W Sumner,KS

Boyer #4-3

Job Ticket: 59945 **DST#: 2**
 Test Start: 2017.06.20 @ 02:40:00

GENERAL INFORMATION:

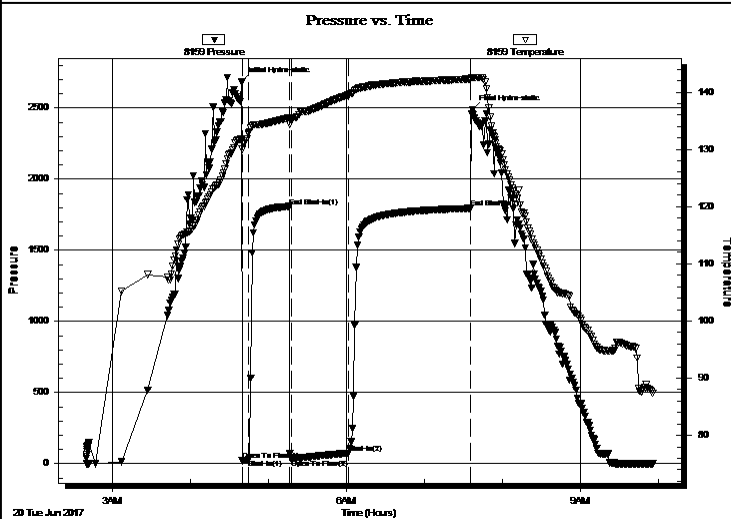
Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:39:30
 Time Test Ended: 09:55:15
 Interval: **4980.00 ft (KB) To 5000.00 ft (KB) (TVD)**
 Total Depth: 4520.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1206.00 ft (KB)
 1192.00 ft (CF)
 KB to GR/CF: 14.00 ft

Serial #: 8159

Inside

Press@RunDepth: 74.18 psig @ 4981.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.20 End Date: 2017.06.20 Last Calib.: 2017.06.20
 Start Time: 02:40:01 End Time: 09:55:15 Time On Btm: 2017.06.20 @ 04:39:15
 Time Off Btm: 2017.06.20 @ 07:36:45

TEST COMMENT: IF: Weak Surface Blow
 IS: No Blow Back
 FF: Weak 1/2" Blow
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2683.00	131.92	Initial Hydro-static
1	20.65	130.02	Open To Flow (1)
6	29.80	132.92	Shut-In(1)
37	1807.90	135.54	End Shut-In(1)
39	32.84	135.45	Open To Flow (2)
82	74.18	139.51	Shut-In(2)
177	1795.05	142.30	End Shut-In(2)
178	2485.38	142.56	Final Hydro-static

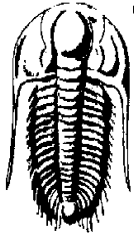
Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW 20%M 80%W	0.30
58.00	WCM 30%W 70%M	0.29

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K3 Oil & Gas
 24900 Pitkin Rd Ste 305
 The Woodlands, TX 77386
 ATTN: Susan Rainbolt

3-35S-4W Sumner,KS

Boyer #4-3

Job Ticket: 59945 **DST#: 2**

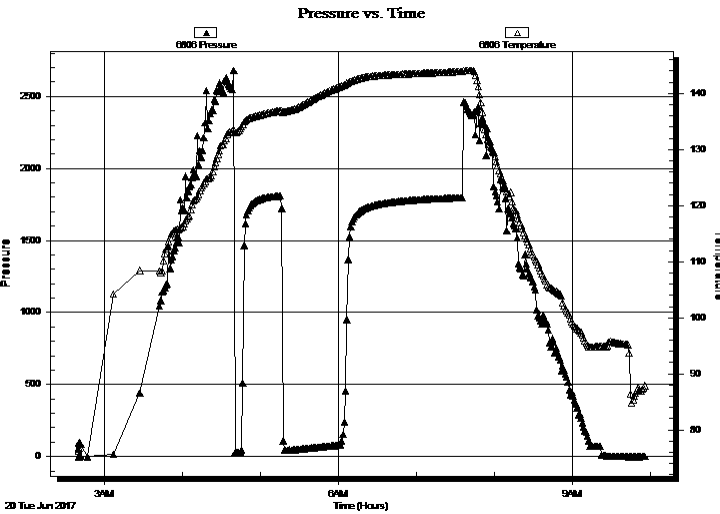
Test Start: 2017.06.20 @ 02:40:00

GENERAL INFORMATION:

Formation: Simpson	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Leal Cason
Time Tool Opened: 04:39:30	Unit No: 74
Time Test Ended: 09:55:15	
Interval: 4980.00 ft (KB) To 5000.00 ft (KB) (TVD)	Reference Elevations: 1206.00 ft (KB)
Total Depth: 4520.00 ft (KB) (TVD)	1192.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 14.00 ft

Serial #: 6806	Outside				
Press@RunDepth: psig @ 4981.00 ft (KB)	Capacity: 8000.00 psig				
Start Date: 2017.06.20 End Date: 2017.06.20	Last Calib.: 2017.06.20				
Start Time: 02:40:01 End Time: 09:55:15	Time On Btm:				
	Time Off Btm:				

TEST COMMENT: IF: Weak Surface Blow
 IS: No Blow Back
 FF: Weak 1/2" Blow
 FS: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW 20%M 80%W	0.30
58.00	WCM 30%W 70%M	0.29

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386
ATTN: Susan Rainbolt

3-35S-4W Sumner,KS
Boyer #4-3
Job Ticket: 59945 **DST#: 2**
Test Start: 2017.06.20 @ 02:40:00

Tool Information

Drill Pipe:	Length: 4856.00 ft	Diameter: 3.80 inches	Volume: 68.12 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 68.73 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4980.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	46.00 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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Shut In Tool	5.00			4959.00	
Hydraulic tool	5.00			4964.00	
Jars	5.00			4969.00	
Safety Joint	2.00			4971.00	
Packer	5.00			4976.00	26.00 Bottom Of Top Packer
Packer	4.00			4980.00	
Stubb	1.00			4981.00	
Recorder	0.00	8159	Inside	4981.00	
Recorder	0.00	6806	Outside	4981.00	
Perforations	16.00			4997.00	
Bullnose	3.00			5000.00	20.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386
ATTN: Susan Rainbolt

3-35S-4W Sumner,KS
Boyer #4-3
Job Ticket: 59945 **DST#: 2**
Test Start: 2017.06.20 @ 02:40:00

Mud and Cushion Information

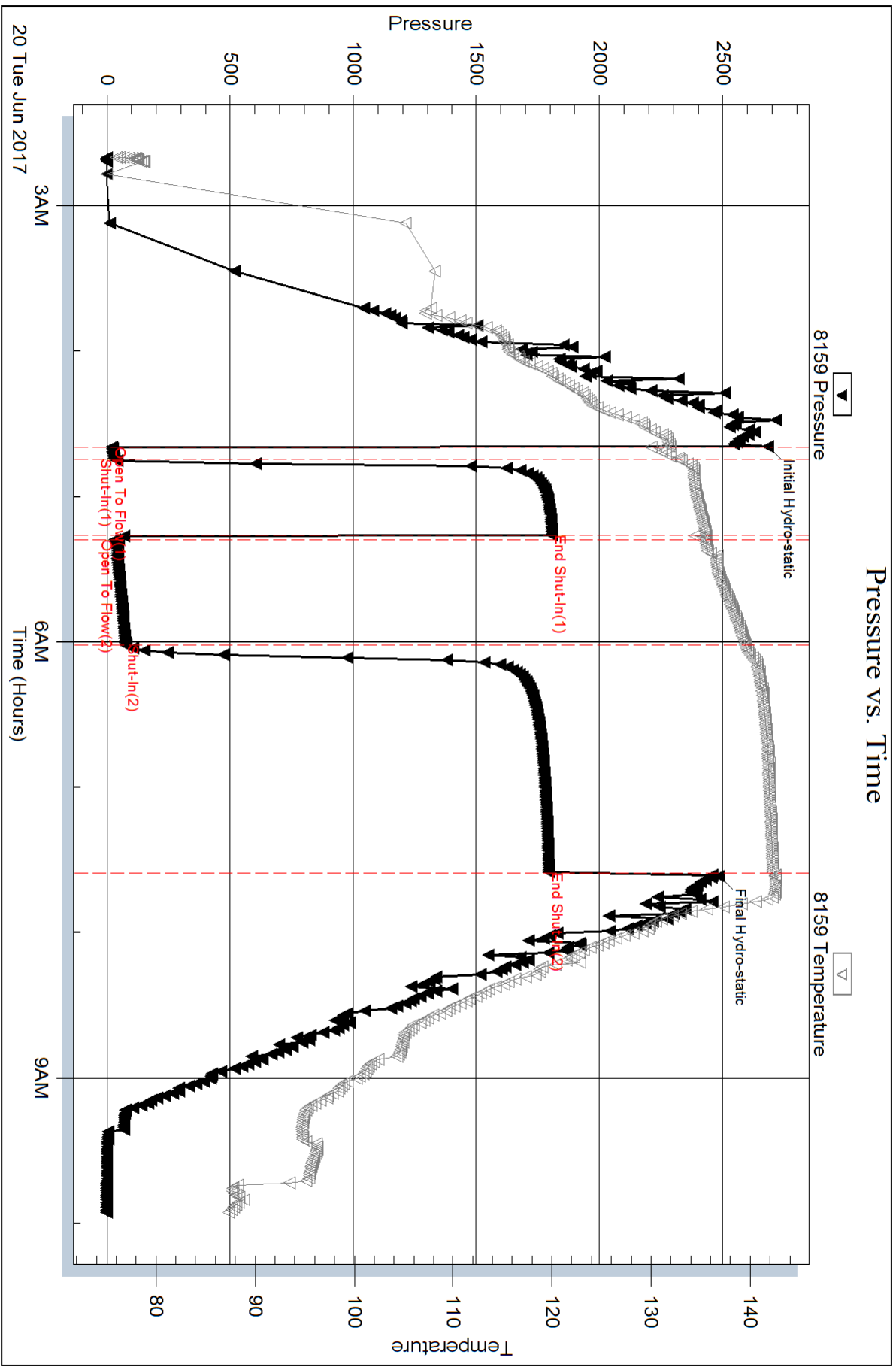
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	93000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MCW 20%M 80%W	0.305
58.00	WCM 30%W 70%M	0.285

Total Length: 120.00 ft Total Volume: 0.590 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW w as .07 @ 85 degrees

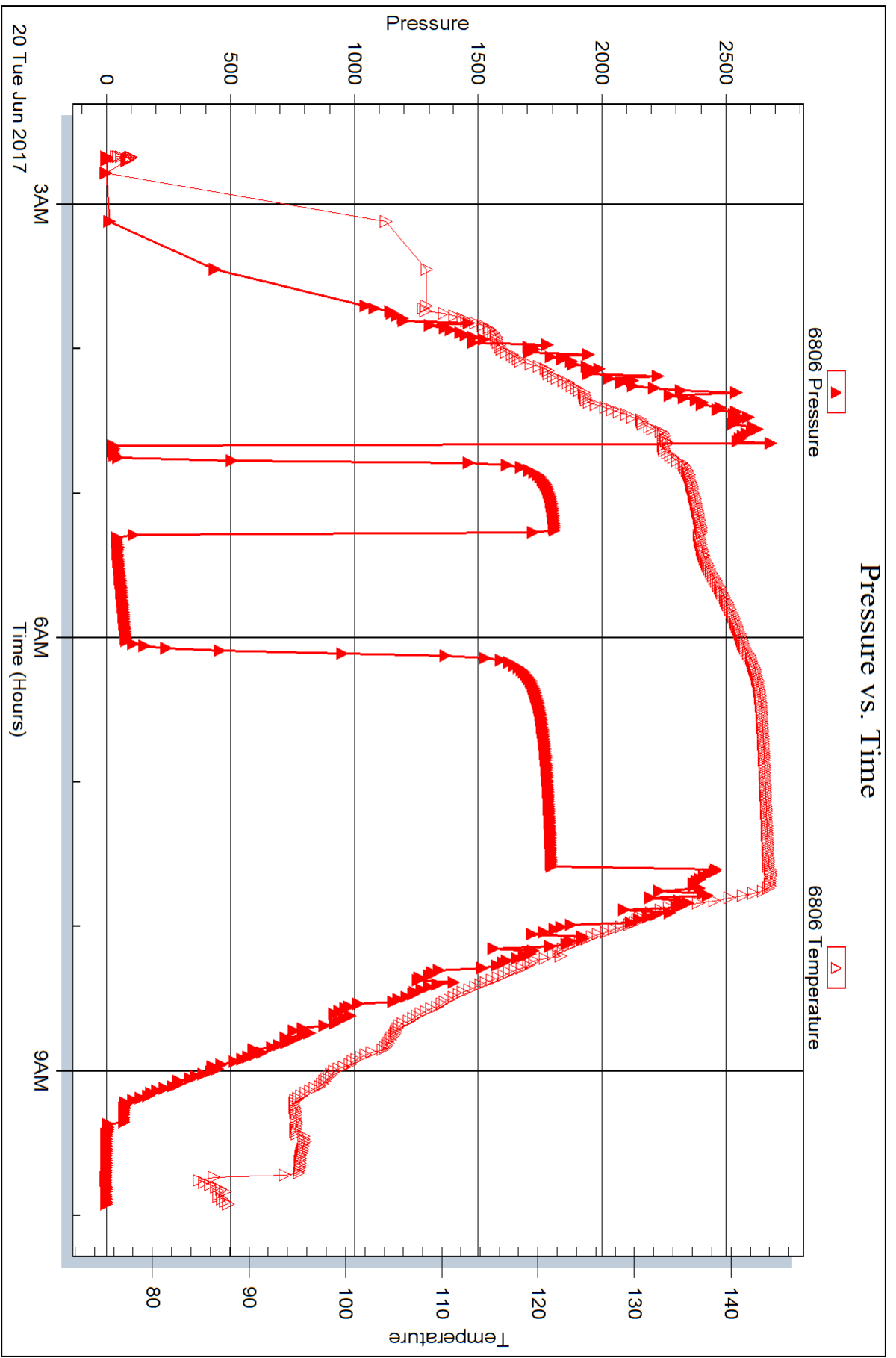


Serial #: 6806

Outside K3 Oil & Gas

Boyer #4-3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 59945

Printed: 2017.06.22 @ 08:46:26



DRILL STEM TEST REPORT

Prepared For: **K3 Oil & Gas**

24900 Pitkin Rd Ste 305
The Woodlands, TX 77386

ATTN: Susan Rainbolt

Boyer #4-3

3-35S-4W Sumner,KS

Start Date: 2017.06.21 @ 11:18:00

End Date: 2017.06.21 @ 18:44:50

Job Ticket #: 63580 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.22 @ 08:42:53



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386
ATTN: Susan Rainbolt

3-35S-4W Sumner,KS

Boyer #4-3

Job Ticket: 63580

DST#: 3

Test Start: 2017.06.21 @ 11:18:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:41:00
 Time Test Ended: 18:44:50
 Interval: **4538.00 ft (KB) To 4660.00 ft (KB) (TVD)**
 Total Depth: 5080.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Initial)
 Tester: Jimmy Ricketts
 Unit No: 80
 Reference Elevations: 1206.00 ft (KB)
 1192.00 ft (CF)
 KB to GR/CF: 14.00 ft

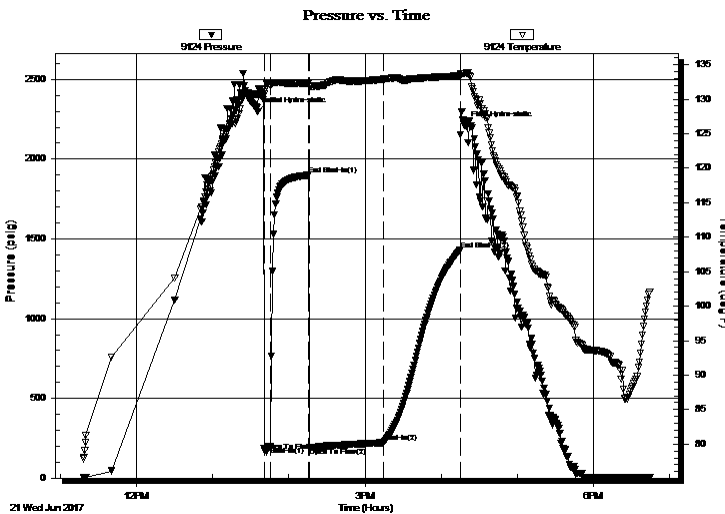
Serial #: 9124

Inside

Press@RunDepth: 221.97 psig @ 4539.00 ft (KB)
 Start Date: 2017.06.21 End Date: 2017.06.21
 Start Time: 11:18:05 End Time: 18:44:50
 Capacity: 8000.00 psig
 Last Calib.: 2017.06.22
 Time On Btm: 2017.06.21 @ 13:35:30
 Time Off Btm: 2017.06.21 @ 16:18:50

TEST COMMENT: IF - Weak blow building to 9"
 FF - Weak blow building to 10"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2296.99	130.63	Initial Hydro-static
6	171.43	131.42	Open To Flow (1)
10	196.88	131.99	Shut-In(1)
41	1900.14	132.27	End Shut-In(1)
41	192.28	131.87	Open To Flow (2)
100	221.97	132.90	Shut-In(2)
160	1431.77	133.37	End Shut-In(2)
164	2211.28	133.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Water cut mud 19% W & 81% M	1.54
125.00	Drilling mud 100% M	1.75

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K3 Oil & Gas
 24900 Pitkin Rd Ste 305
 The Woodlands, TX 77386
 ATTN: Susan Rainbolt

3-35S-4W Sumner,KS

Boyer #4-3

Job Ticket: 63580 **DST#: 3**
 Test Start: 2017.06.21 @ 11:18:00

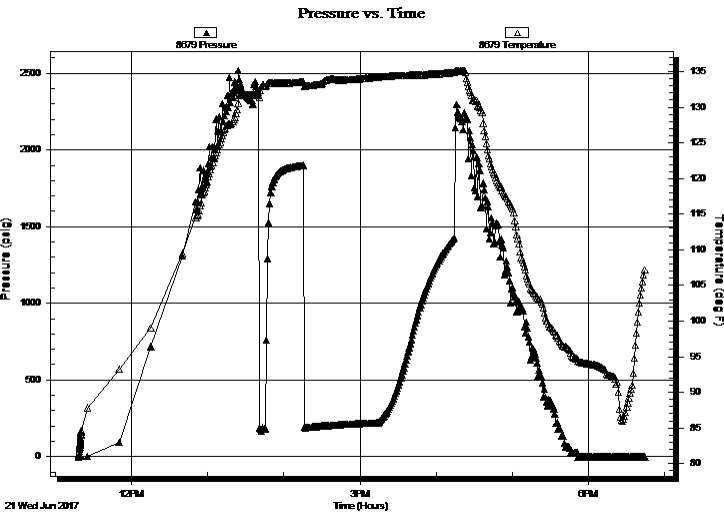
GENERAL INFORMATION:

Formation: Mississippian			
Deviated: No	Whipstock: ft (KB)	Test Type: Conventional Straddle (Initial)	
Time Tool Opened: 13:41:00		Tester: Jimmy Ricketts	
Time Test Ended: 18:44:50		Unit No: 80	
Interval: 4538.00 ft (KB) To 4660.00 ft (KB) (TVD)		Reference Elevations: 1206.00 ft (KB)	
Total Depth: 5080.00 ft (KB) (TVD)		1192.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 14.00 ft	

Serial #: 8679 Outside

Press@RunDepth: psig @ 4539.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2017.06.21 End Date: 2017.06.21	Last Calib.: 1899.12.30
Start Time: 11:18:01 End Time: 18:44:50	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF - Weak blow building to 9"
 FF - Weak blow building to 10"



PRESSURE SUMMARY

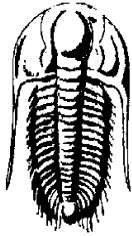
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Water cut mud 19% W & 81% M	1.54
125.00	Drilling mud 100% M	1.75

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386

ATTN: Susan Rainbolt

3-35S-4W Sumner,KS

Boyer #4-3

Job Ticket: 63580 **DST#: 3**

Test Start: 2017.06.21 @ 11:18:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:41:00

Time Test Ended: 18:44:50

Test Type: Conventional Straddle (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 4538.00 ft (KB) To 4660.00 ft (KB) (TVD)

Reference Elevations: 1206.00 ft (KB)

Total Depth: 5080.00 ft (KB) (TVD)

1192.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 14.00 ft

Serial #: 8846 Below (Straddle)

Press@RunDepth: psig @ 4661.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.21

End Date: 2017.06.21

Last Calib.: 1899.12.30

Start Time: 10:54:01

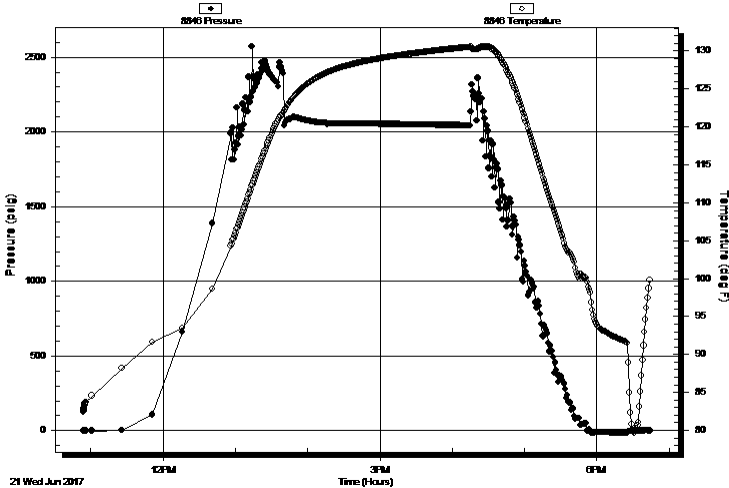
End Time: 18:44:10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF - Weak blow building to 9"
FF - Weak blow building to 10"

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Water cut mud 19% W & 81% M	1.54
125.00	Drilling mud 100% M	1.75

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386
ATTN: Susan Rainbolt

3-35S-4W Sumner,KS
Boyer #4-3
Job Ticket: 63580 **DST#: 3**
Test Start: 2017.06.21 @ 11:18:00

Tool Information

Drill Pipe:	Length: 4412.00 ft	Diameter: 3.80 inches	Volume: 61.89 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 62.50 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4538.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	4660.00 ft			
Interval between Packers:	122.00 ft			
Tool Length:	570.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4511.00		
Shut In Tool	5.00			4516.00		
Hydraulic tool	5.00			4521.00		
Jars	5.00			4526.00		
Safety Joint	3.00			4529.00		
Packer	4.00			4533.00	28.00	Bottom Of Top Packer
Packer	5.00			4538.00		
Stubb	1.00			4539.00		
Recorder	0.00	8679	Outside	4539.00		
Recorder	0.00	9124	Inside	4539.00		
Perforations	10.00			4549.00		
Change Over Sub	0.50			4549.50		
Blank Spacing	95.00			4644.50		
Change Over Sub	0.50			4645.00		
Perforations	10.00			4655.00		
Blank Off Sub	1.00			4656.00		
T.C.	4.00			4660.00	122.00	Tool Interval
Packer	0.00			4660.00		
Stubb	1.00			4661.00		
Recorder	0.00	8846	Below	4661.00		
Change Over Sub	1.00			4662.00		
Blank Spacing	412.00			5074.00		
Change Over Sub	1.00			5075.00		
Bullnose	5.00			5080.00	420.00	Bottom Packers & Anchor
Total Tool Length:	570.00					



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

K3 Oil & Gas
24900 Pitkin Rd Ste 305
The Woodlands, TX 77386
ATTN: Susan Rainbolt

3-35S-4W Sumner,KS
Boyer #4-3
Job Ticket: 63580 **DST#: 3**
Test Start: 2017.06.21 @ 11:18:00

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:	9500 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	Water cut mud 19% W & 81% M	1.536
125.00	Drilling mud 100% M	1.753

Total Length: 315.00 ft Total Volume: 3.289 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 9124

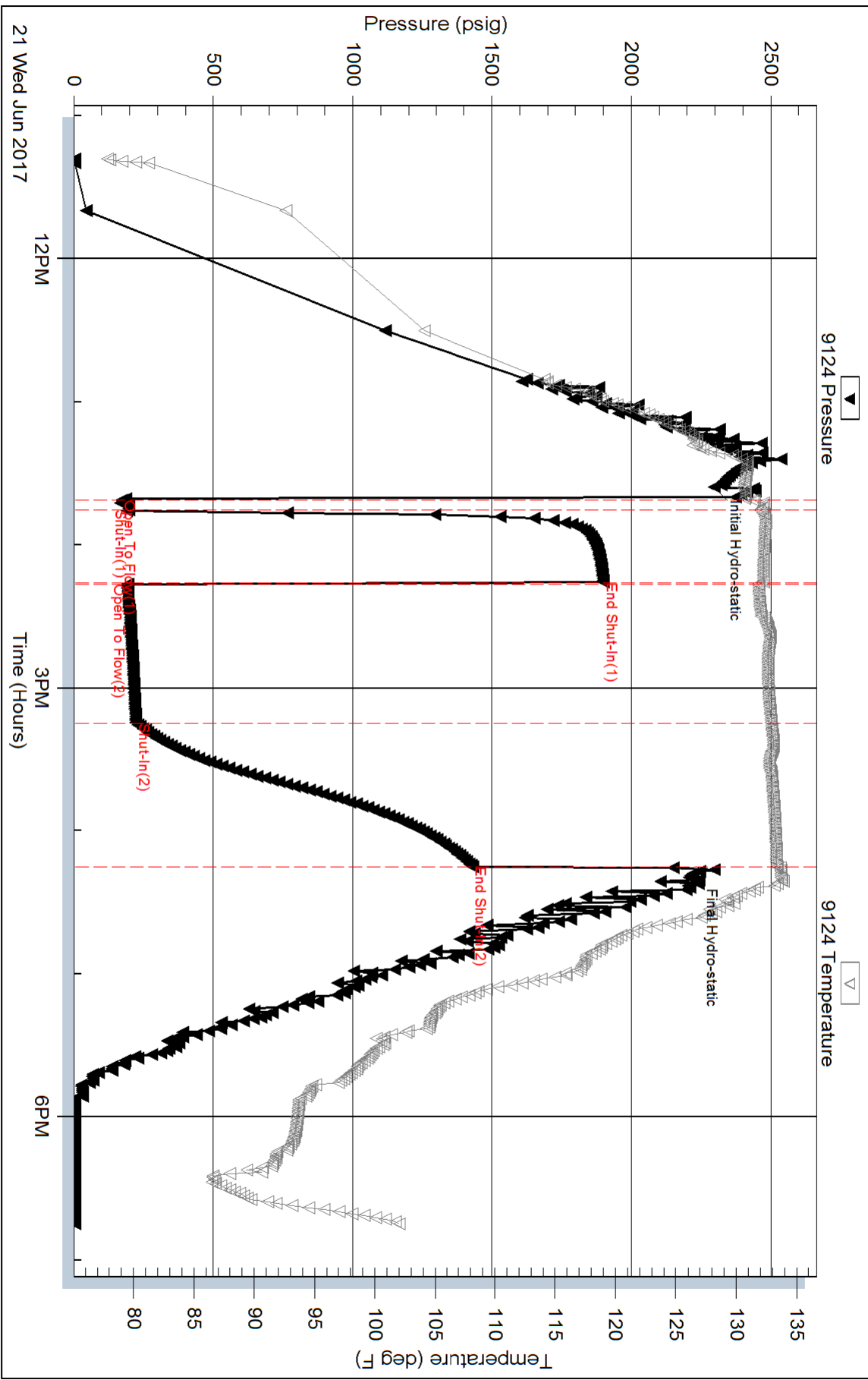
Inside

K3 Oil & Gas

Boyer #-4-3

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63580

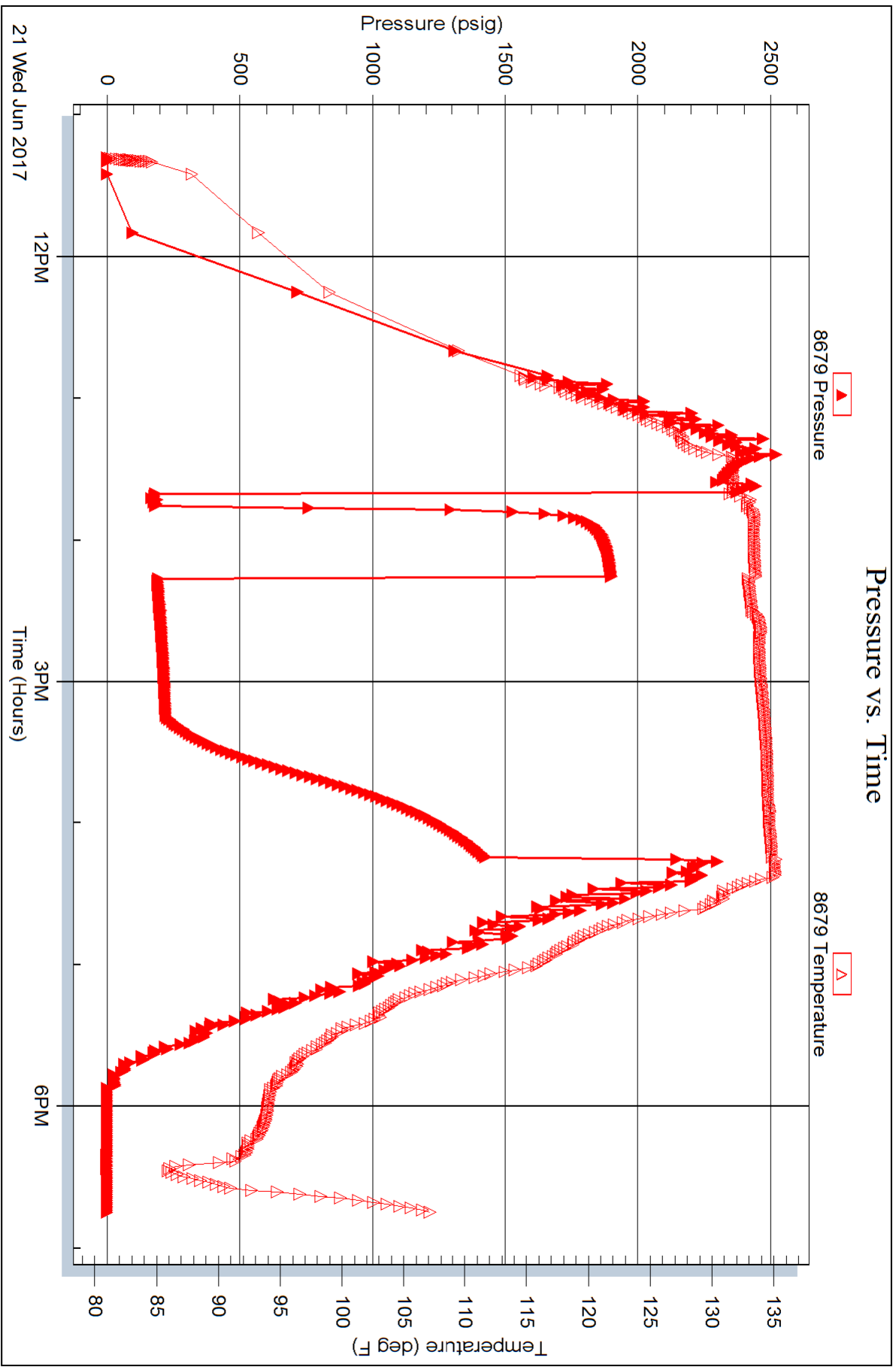
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Serial #: 8679

Outside K3 Oil & Gas

Boyer #4-3

DST Test Number: 3

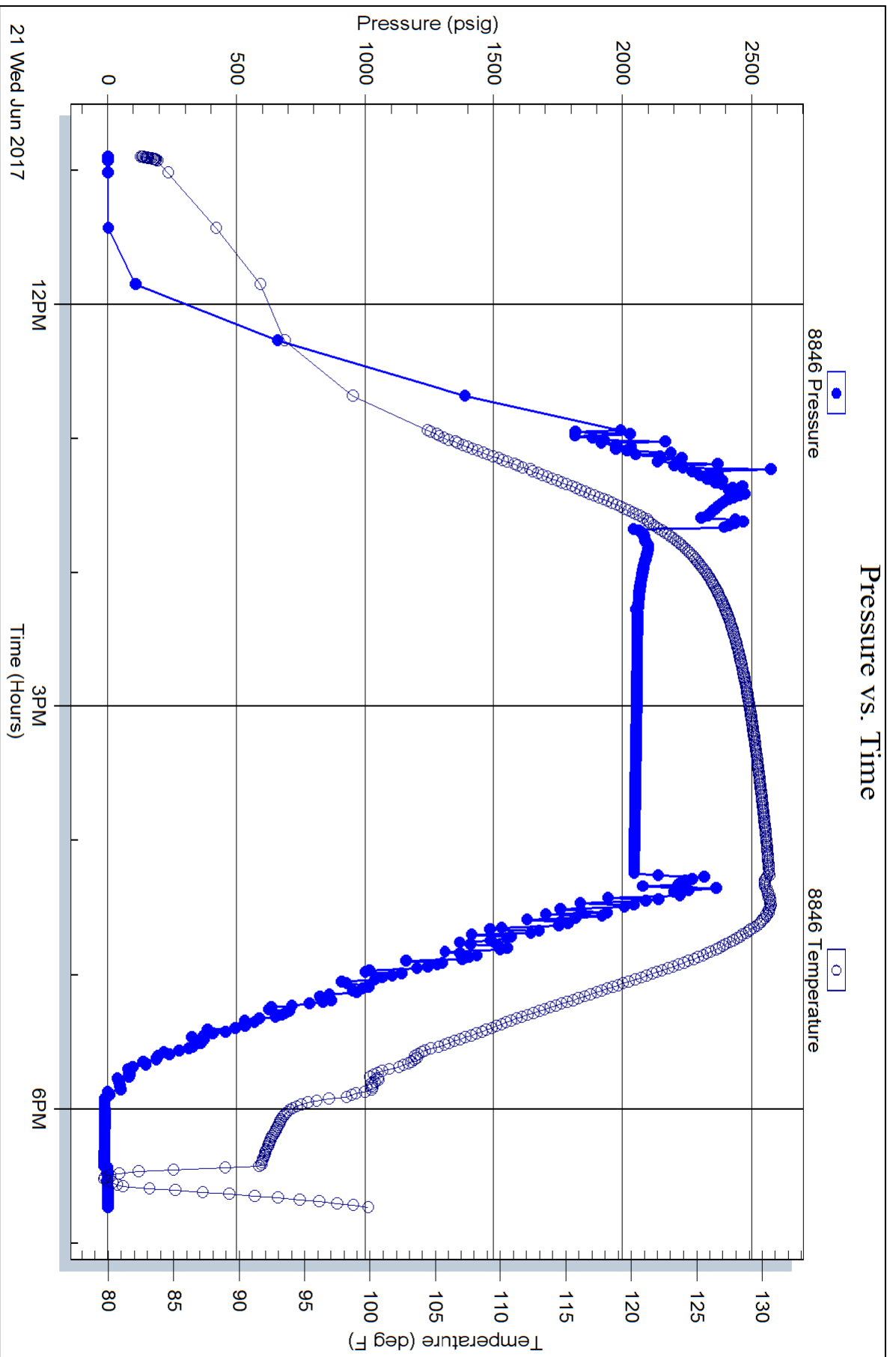


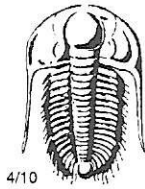
Serial #: 8846

Below (Strat) & Gas

Boyer #4-3

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59944

Well Name & No. ~~K3 2074~~ Boyer 4-3 Test No. 1 Date 06/17/19
 Company K3 Oil & Gas Elevation 1206 KB 1192 GL
 Address ~~24900~~ 24900 Pitkin Rd Ste 305 The Woodlands TX 77386
 Co. Rep / Geo. Susan Rainbolt Rig BWW 14
 Location: Sec. 3 Twp. 35S Rge. 41W Co. Sumner State KS

Interval Tested ~~4490~~ 4490 - 4520 Zone Tested Mississippi
 Anchor Length 30 Drill Pipe Run 4346 Mud Wt. 9.6
 Top Packer Depth 4485 Drill Collars Run 124 Vis 56
 Bottom Packer Depth 4490 Wt. Pipe Run 0 WL 8.0
 Total Depth 4520 Chlorides 3500 ppm System LCM 4

Blow Description IF: Strong Blow BOB in 30 seconds
ISI: NO Blow Back

FF: Strong Blow, BOB in 10 seconds, GTS in 37 minutes, TSTM, caught sample

FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
4465	GIP				
5	GCM	5%			95%

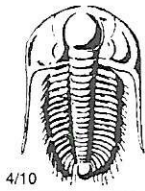
Rec Total 5 BHT 135 Gravity N/C API RW N/C @ N/C F Chlorides N/C ppm

(A) Initial Hydrostatic 2503 Test 1150 T-On Location 09:15
 (B) First Initial Flow 22 Jars 250 T-Started 10:54
 (C) First Final Flow 25 Safety Joint 75 T-Open 13:05
 (D) Initial Shut-In 1227 Circ Sub T-Pulled 16:07
 (E) Second Initial Flow 20 Hourly Standby T-Out 20:17
 (F) Second Final Flow 20 Mileage 200 150 Comments
 (G) Final Shut-In 1656 Sampler
 (H) Final Hydrostatic 2333 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 15
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 90
 Sub Total 1625
 Total 1625
 MP/DST Disc't

Approved By [Signature] 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. 59945

Well Name & No. Boyer 4-3 Test No. 2 Date ~~06/20/17~~ 06/26/17
 Company K3 Oil & Gas Elevation 1206 KB 1192 GL
 Address 24900 Pitkin Rd ste 305 The woodlands, TX 77386
 Co. Rep / Geo. Susan Rainbolt Rig WW 14
 Location: Sec. 3 Twp. 35S Rge. 4W Co. Sumner State KS

Interval Tested 4980 - 5000 Zone Tested Simpson
 Anchor Length 20 Drill Pipe Run 4856 Mud Wt. 9.4
 Top Packer Depth 4975 Drill Collars Run 124 Vis 52
 Bottom Packer Depth 4980 Wt. Pipe Run 0 WL 9.0
 Total Depth 5000 Chlorides 5000 ppm System LCM 4.5

Blow Description FF: weak surface blow
ISI: NO blow back
FF: weak 1/2 inch blow
FSL: NO blowback

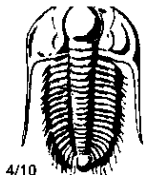
Rec	Feet of	%gas	%oil	%water	%mud
<u>58</u>	<u>0 WCM</u>			<u>30</u>	<u>70</u>
<u>62</u>	<u>MCW</u>			<u>80</u>	<u>20</u>
<u>0</u>					

Rec Total 120 BHT 142 Gravity N/C API RW .07 @ 85 °F Chlorides 93000 ppm

(A) Initial Hydrostatic <u>2673</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>02:15</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>02:40</u>
(C) First Final Flow <u>30</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>04:39</u>
(D) Initial Shut-In <u>1808</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>07:35</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>09:55</u>
(F) Second Final Flow <u>74</u>	<input checked="" type="checkbox"/> Mileage <u>200</u> <u>150</u>	Comments
(G) Final Shut-In <u>1795</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2475</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>600</u>
Final Shut-In <u>90</u>	<input checked="" type="checkbox"/> Day Standby <u>1</u> 1.5d 18h	Total <u>2225</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1625</u>	

Approved By [Signature] 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. 63580

Well Name & No. Boyer # 4-3 Test No. 3 Date 6-21-17
 Company K3 Oil & Gas Elevation 1206 KB 1192 GL
 Address 24900 Pitkin Road Suite 305 The Woodlands, TX 77386
 Co. Rep / Geo. Susan Rainbolt Rig WW # 14
 Location: Sec. 3 Twp. 35S Rge. 4W Co. Sumner State KS

Interval Tested 4538 - 4660 Zone Tested Mississippian
 Anchor Length 122' Drill Pipe Run 4412 Mud Wt. 9.4
 Top Packer Depth 4523 + 4538 Drill Collars Run 124 Vis 53
 Bottom Packer Depth 4660 Wt. Pipe Run 0 WL 13.2
 Total Depth 5080 Chlorides 10,000 ppm System LCM
 Blow Description IF - weak blow building to 9 inches IFP
FF - weak blow building to 10 inches FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>water cut mud</u>			<u>19</u>	<u>81</u>
<u>125</u>	<u>Drilling Mud</u>				<u>100</u>

Rec Total 315 BHT 134 Gravity API RW 51 @ 71 °F Chlorides 9500 ppm

(A) Initial Hydrostatic <u>2297</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>950</u>
(B) First Initial Flow <u>171</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1118</u>
(C) First Final Flow <u>197</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1240</u>
(D) Initial Shut-In <u>1900</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1615</u>
(E) Second Initial Flow <u>192</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1840</u>
(F) Second Final Flow <u>222</u>	<input checked="" type="checkbox"/> Mileage <u>150 RT 122</u>	Comments
(G) Final Shut-In <u>1430</u>	<input type="checkbox"/> Sampler	<u>1054 2hr</u>
(H) Final Hydrostatic <u>2211</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input checked="" type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>2325</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2325</u>	

Approved By [Signature] 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.

API # 15-191-22791-00-00

Operator: K3 Oil & Gas Operating Company Well Name & No: Boyer #4-3
 Location: 683 FNL & 343 FWL Section 3-35s-4w County: Sumner State: Kansas
 Rig No.: 14 Contractor: WW Drilling, LLC Tool Pusher: Josh Shaw 918-839-0425
 Drill Collars: 14 Size 6.26 x 2.25 Rig Phone: 785-259-6941
 Make Pump: DB-550 Liner & Stroke: 6x14 Spud 10:00 PM ,6-13-17
 Approx. TD: 5600 Elevation: 1,190 G.L. 1201 KB Hole Complete: 6/21/2017 @ 12:30 AM
 Mud Co.: Mudco Mud Engineer: Brad Bortz Water Pumped WW

Date	06/13/17	06/14/17	06/15/17	06/16/17	06/17/17	06/18/17	06/19/17	06/20/17	06/21/17	06/22/17
Days	1-spud	2-Drlg	3-Drlg	4-Drlg	5-sh trip	6-Drlg	7-Drlg	8-DST#2	9- Logging	10-Jetting
Depth		300	970	3020	4520	4600	4802	5000	5080	5080
Ft. Cut		300	670	2050	1500	80	202	198	80	0
Drill Time		7.25	8.25		20.75	5.5	14.5	14.75		0
Down Time		1.75 Pump	NA	2.75	0.75	4.25 liners	8.75	0.5	4.5	0
Co. Time		NA	12		2	14.25	0	8	12.5	23.25
Bit Wt.	all	12,000	12000	12,000	14,000	38,000	38,000	38,000	38,000	NA
RPM	100	100	100	100	100	80	80	70	70	NA
Pressure	450	600	900	1100	1100	1100	1100	1100	1100	NA
SPM	60	60	60	60	60	60	60	60	60	NA
Mud Cost		NA	1024	1407	5649	10,242	11,534	14,105	14,971	14,971
Mud Wt.		9.5	8.8	9.4	9.4	9.3	9.4	9.4	9.5	NA
Viscosity		30	30	30	54	60	56	55	58	NA
Water Loss		NA	NA		8	8	8.8	9	10.6	NA
Chlorides		NA	NA	36,000	5000	3500	5000	5000	6000	NA
L.C.M.		1#	NA		4#	4#	5#	5#	5#	NA
Dev. Sur		NA	.75-478			.5"@4520	NA	1"-5000'		NA
Dev. Sur		NA	NA				NA			NA
Fuel		4539	3807	3240'	2592	2268	1782	4293	3969	3725
Water-Pit		Half	3/4 Full	2'	full	3'	Half	2'	2'	Empty
ACC Bit Hrs.		7.25	4	24.75	45.5	5.5	5	19.75	1.25/6.5	NA
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm	sh-lm
Weather		Cloudy	Clear	Clear	clear	p/cloudy	clear	Clear	Clear	Clear

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Sm-tooth	478	478	11.5	11.5	RR	B222606	
2	7 7/8	MI 616	4520	4042	45.5	57	RR	JJ4342	
3	7 7/8	SMF27	4737	217	15	72	RR	RJ0769	
4	7 7/8	F-27	5000	262	19.75	91.75	new	RJ0977	
5	7 7/8	F-47	5015	15	1.25	93	RR	RD6030	
6	7 7/8	Varel	5080	65	6.5	99.5	RR	1474414	

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
478	8 5/8	165 Lead	Acert Lt.,3%CC,.25 Cell Flake	3PM	3AM	Basic-Did Circulate
		110 Tail	60/40 Poz,3%CC,2%Gel,.25 CF			

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	4490-4520	15	30	45	90	GTS, 5' GCM
2	4980'-5000'	5	30	45	90	58'OWCM 62' MCW
3	4538-4660	5	30	60	60	315' WATER CUT MUD
4						
5	Plugged as ordered	35 sx	850'			60/40 Poz 2 % Gel
6		35sx	550'			Done cementing 6:15 AM 6-22-17
7		25 sx	60'			
8		30 sx	RH			
9		20 sx	MH			

Surface Casing Furnished by: Midwestern, 11 Jts. New 23# J-55 STC 8 5/8, Talley 464.65 Set @ 478'

Remarks: Strap & weld surface by Hawkeye. Bit trip @ 1998' (plugged bit) 2.75 hrs. Displaced @ 3020' (550 bbls) short Trip (25stsands)(1.75hrs) pipe strap 3.20 long. 8.75 down time was on bit trip and mud pump gaskets. Bit trip at 4737'. Logging w/Haliburton (LTD 5080'). Logging 6.5 Hours. Rig released @ 10:15 am, 6/22/2017.

API # 15-191-22791-00-00

Operator: K3 Oil & Gas Operating Company

Well Name & No: Boyer #4-3

Location: 683 FNL & 343 FWL Section 3-35s-4w

County: Sumner

State: Kansas

Rig No.: 14 Contractor: WW Drilling, LLC

Tool Pusher: Josh Shaw 918-839-0425

Drill Collars: 14 Size 6.26 x 2.25

Rig Phone: 785-259-6941

Make Pump: DB-550

Liner & Stroke: 6x14

Spud 10:00 PM ,6-13-17

Approx. TD: 5600 Elevation: 1,190 G.L.

1201 KB

Hole Complete: 6/21/2017 @ 12:30 AM

Mud Co.: Mudco

Mud Engineer: Brad Bortz

Water Pumped WW

Date	06/23/17									
Days	11-Done									
Depth										
Ft. Cut										
D.T.										
D.T.										
C.T.	3 1/4									
Bit Wt.										
RPM										
Pressure										
SPM										
Mud Cost										
Mud Wt.										
Viscosity										
Water Loss										
Chlorides										
L.C.M.										
Dev. Sur										
Dev. Sur										
Fuel	3700									
Water-Pit										
ACC Bit Hrs.										
Formation										
Weather										

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Sm-tooth	478	478	11.5	11.5	RR	B222606	
2	7 7/8	MI 616	4520	4042	45.5	57	RR	JJ4342	
3	7 7/8	SMF27	4737	217	15	72	RR	RJ0769	
4	7 7/8	F-27	5000	262	19.75	91.75	new	RJ0977	
5	7 7/8	F-47	5015	15	1.25	93	RR	RD6030	
6	7 7/8	Varel	5080	65	6.5	99.5	RR	1474414	

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
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*WW Drilling, LLC
WaKeeney, KS
Well Plugging Orders*

Operator: K3 Oil & Gas Operating Company License # 35032
Address: 24900 PITKIN RD SUITE 305 THE WOODLANDS TEXAS 77386

API # 15-191-22791-00-00

Lease Name: Boyer #4-3

Legals: 3-35s-4w

County: Sumner

State: Kansas

Plug #	Sx.	Feet
1st	<u>35</u>	<u>@ 850'</u>
2nd	<u>35</u>	<u>@ 550'</u>
3rd	<u>25</u>	<u>@ 60' to surface</u>
4th		<u>@</u>
5th		<u>@</u>
Rathole	<u>30</u>	
Mousehole	<u>20</u>	
Total:	<u>145</u>	

Type: 60/40 Poz - 4% Gel - 1/4 # per sx flo-seal

Spud Report: Donna Date: 6/13/2017 Time: 2:15 PM

Orders From: John Date: 6/15/2017 Time: _____
DJ 6/16/2017 10:50 AM

Reported to: Donna Date: 6/23/2017 Time: 10:05 AM

Results: P&A