

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)</i> <i>(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	Griffin, Charles N.
Well Name	SHARRON 1
Doc ID	1316522

All Electric Logs Run

DIL
CNL
CDL
Computer Processed Interpretation

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	SHARRON 1
Doc ID	1316522

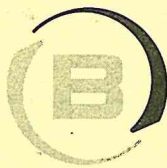
Tops

Name	Top	Datum
Lecompton	3473	-1884
Elgin	3514	-1925
Heebner	3682	-2093
Lansing	3879	-2290
Stark	4260	-2671
Base KC	4246	-2657
Mississippian	4432	-2843
Kinderhook	4624	-3035
Viola	4728	-3139
Simpson Sand	4830	-3241

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	SHARRON 1
Doc ID	1316522

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4865-4870	250 gal 7.5%HCL	



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 13894 A

DATE _____ TICKET NO. _____

DATE OF JOB: 8-4-16		DISTRICT: PRATT, KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: GRIFFIN MANAGEMENT				LEASE: SHARROW				WELL NO. 1	
ADDRESS:				COUNTY: BARBER		STATE: KS			
CITY:				SERVICE CREW: KC DISTRICT BIRCHWOOD					
AUTHORIZED BY:				JOB TYPE: C/W - LOWEST PRICES					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
86779	40						8-3	AM	1900
						ARRIVED AT JOB	8-3	PM	2300
19860	14					START OPERATION	8-4	AM	0745
						FINISH OPERATION	"	AM	0745
						RELEASED	"	AM	0600
						MILES FROM STATION TO WELL			35

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CP105	AA7 CEMENT	SK	175		2975.00	
CP103	60/40 P62	SK	30		1360.00	
CC107	CELL FLAKE	Lb.	44		162.80	
CC111	SHOT	Lb.	823		411.50	
CC112	CFR	Lb.	83		498.00	
CC116	MAL CHEM 10CR	Lb.	495		1336.50	
CC201	CELESONITE	Lb.	875		586.25	
CF606	4 1/2 LATCH DOWN PLUG	EA	1		370.00	
CF1250	4 1/2 API FLOAT SHOE	EA	1		330.00	
CF1650	4 1/2 TURBOLIZER	EA	10		850.00	
AF1900	4 1/2 BITSIDE	EA	1		270.00	
C704	CLAYMIX	gal	4		140.00	
CC151	MUD FLUSH	gal	500		750.00	
E100	PICKUP MILE	mi	35		157.50	
E101	TRUCK MILE	mi	70		525.00	
E113	BULK DELIVERY	TM	334		835.13	
CE205	DEPTH CHANGE 4001'-5000'	EA	1		2,520.00	
CE240	BLANDIN A CHANGE	SK	205		287.00	
CE504	PLUG CONTAINER	EA	1		750.00	
S003	SERVICE SUPERVISOR	EA	1		175.00	
					SUB TOTAL	13,796.18
CHEMICAL / ACID DATA:					SERVICE & EQUIPMENT	%TAX ON \$
					MATERIALS	%TAX ON \$
					TOTAL	DISC. PRICE - 6,343.48

SERVICE REPRESENTATIVE: <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
FIELD SERVICE ORDER NO. _____	(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

Customer	CRIFEDU MAINTENANCE			Lease No.				Date	8-4-16	
Lease	SHARRON			Well #	1					
Field Order #	Station	Casing	Depth	County	State					
13874	PRATT, KS.	4 1/2	4949	BARBER	KS					
Type Job	CNW - LOW STRING			Formation	TD-4950		Legal Description 34-32-12			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
4 1/2								
4949	Depth	From	To	Pre Pad		Max		5 Min.
	Volume	From	To	Pad		Min		10 Min.
	Max Press	From	To	Frac		Avg		15 Min.
	Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
	Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load
4730								

Customer Representative	ANDY		Station Manager	KEVIN		Treater	CORDLEY	
Service Units	83353	78982-86779		84980-19860				
Driver Names	KC		DARIN		BRYAN			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2300					DNW LOCATION 8/3 SI=19'
0130					RUN 4950' 4 1/2 CSC. - 135TS
					FLOAT SET, LATCH DOWN BOT FLO
					CENT-1-3-5-7-9-11-13-15-17-19
					BRISLET - BOTTOM #2
					TAG BOTTOM - 1120P BALL - CTRC
0445	300		5	6	PUMP 5 bbl H ₂ O
	300		12	6	PUMP 12 bbl MUD FLUSH
	300		5	6	PUMP 5 bbl H ₂ O
	200		42	6	MIX 175 SIC HAZ CEMENT
					10% SACT, 3% MAC CHEM,
					.5% CFR, 1/4" CF, 5" ATISON I
					STOP - WASH LINE - 1120P PLUG
	0		0	6	START DESP W/ 2% HCL
	200		58	6	LEFT CEMENT
	600		73	3	SLOW RATE
0530	1500		78.4	23	PLUG DOWN - HOLD
					PLUG RAT HOLE - 30 SIC 6 3/4 P02
0600					JOB COMPLETE - KEVIN

Customer GILLEN MANAGEMENT	Lease No.	Date 7-28-16
Lease SHARON	Well # 1	
Field Order # 13453	Station PRATT	Casing 8 5/8
		Depth 319.57
Type Job CNW 8 5/8 SURFACE	Formation	County BARBARA
		State KS
		Legal Description 34-32-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
8 5/8				230 SKS COMMON				
Depth 319.57	Depth 319.57	From	To	Pre Pad 290 CC	Max 110' 142		5 Min.	
Volume 20.32	Volume 20.32	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection 5+V	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 299.57	Packer Depth	From	To	Flush 19	Gas Volume		Total Load	

Customer Representative Chuck	Station Manager Kevin Goidley	Treater Mike Mattai
Service Units 33706 20920	19959 21010	37586
Driver Names Mcgraw	Shanley	Mattai

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:30					ON LOCATION / SAFETY MEETING
7:20					RUN 8 5/8 CASINGS
8:25					CASINGS ON BOTTOM
8:35					HOOK TO CASING / BREAK CIRC W. RIG
8:40	150		5	4	PUMP 5 bbl WATER
8:41	150		49	4	MIX 230 SKS COMMON
8:50	150			4	START DISPLACEMENT
8:57	150		19		PLUG DOWN, SHUT IN WELL
					5 bbl TO PIT
					JOB COMPLETE
					THANK YOU!
					MIKE MATAI
					MIKE + PAUL



DRILL STEM TEST REPORT

Prepared For: **Griffin, Charles N**
PO Box 347
Pratt, KS 67124+0347

ATTN: Bruce Reed

Sharron #1

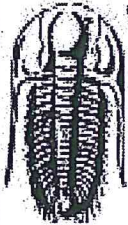
34-32s-12w Barber,KS

Start Date: 2016.08.02 @ 11:52:00
End Date: 2016.08.02 @ 17:44:30
Job Ticket #: 65105 DST #: 1

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

Printed: 2016.08.03 @ 13:20:42

Griffin, Charles N
34-32s-12w Barber,KS
Sharron #1
DST # 1
Simpson Sand
2016.08.02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Griffin, Charles N
 PO Box 347
 Pratt, KS 67124+0347
 ATTN: Bruce Reed

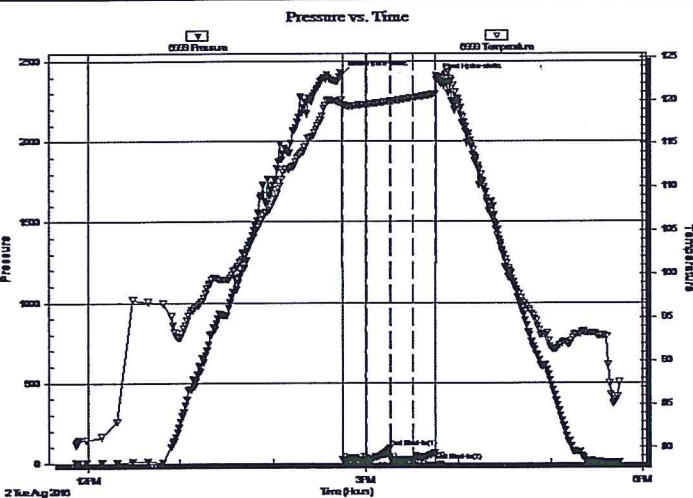
34-32s-12w Barber,KS
Sharron #1
 Job Ticket: 65105 **DST#: 1**
 Test Start: 2016.08.02 @ 11:52:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:45:00
 Time Test Ended: 17:44:30
 Interval: **4812.00 ft (KB) To 4834.00 ft (KB) (TVD)**
 Total Depth: **4834.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1589.00 ft (KB)
 1584.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6999 **Inside**
 Press@RunDepth: 20.69 psig @ 4830.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.02 End Date: 2016.08.02 Last Calib.: 2016.08.02
 Start Time: 11:52:05 End Time: 17:44:29 Time On Btm: 2016.08.02 @ 14:44:30
 Time Off Btm: 2016.08.02 @ 15:46:00

TEST COMMENT: IFP 15 Minutes Few bubbles at open then dead
 ISI 15 Minutes No blow back
 FFP 15 Minutes Dead no blow
 FSI 15 Minutes No blow back



PRESSURE SUMMARY

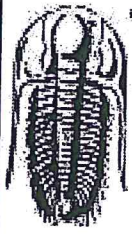
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2415.85	120.07	Initial Hydro-static
1	20.03	119.25	Open To Flow (1)
16	19.57	119.51	Shut-In(1)
31	92.07	119.90	End Shut-In(1)
32	20.58	119.89	Open To Flow (2)
46	20.69	120.29	Shut-In(2)
60	63.32	120.74	End Shut-In(2)
62	2396.68	122.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Griffin, Charles N
 PO Box 347
 Pratt, KS 67124+0347
 ATTN: Bruce Reed

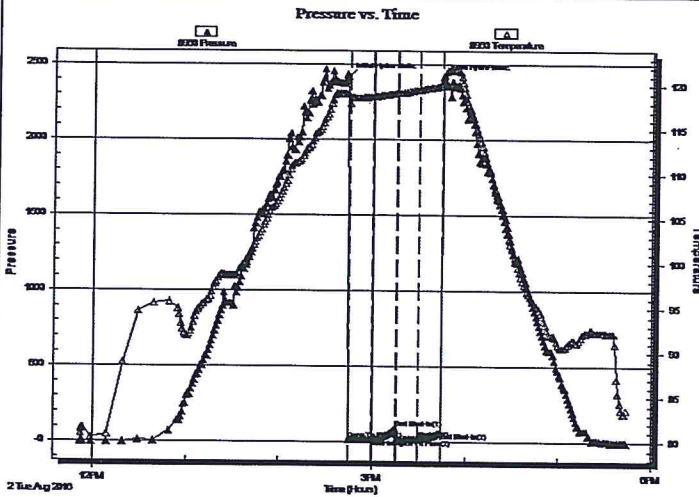
34-32s-12w Barber,KS
Sharon #1
 Job Ticket: 65105 **DST#: 1**
 Test Start: 2016.08.02 @ 11:52:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:45:00
 Time Test Ended: 17:44:30
 Interval: **4812.00 ft (KB) To 4834.00 ft (KB) (TVD)**
 Total Depth: 4834.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1589.00 ft (KB)
 1584.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8960 **Outside**
 Press@RunDepth: 62.56 psig @ 4831.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.02 End Date: 2016.08.02 Last Calib.: 1899.12.30
 Start Time: 11:52:05 End Time: 17:43:59 Time On Btm: 2016.08.02 @ 14:43:30
 Time Off Btm: 2016.08.02 @ 15:45:00

TEST COMMENT: IFP 15 Minutes Few bubbles at open then dead
 ISI 15 Minutes No blow back
 FFP 15 Minutes Dead no blow
 FSI 15 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2420.32	119.17	Initial Hydro-static
1	17.10	118.03	Open To Flow (1)
16	18.28	118.76	Shut-In(1)
32	91.66	119.16	End Shut-In(1)
32	18.08	119.14	Open To Flow (2)
46	18.44	119.55	Shut-In(2)
61	62.56	119.99	End Shut-In(2)
62	2409.19	120.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Griffin, Charles N
PO Box 347
Pratt, KS 67124+0347
ATTN: Bruce Reed

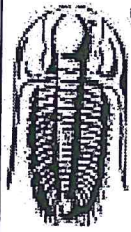
34-32s-12w Barber,KS
Sharron #1
Job Ticket: 65105 **DST#: 1**
Test Start: 2016.08.02 @ 11:52:00

Tool Information

Drill Pipe:	Length: 4696.00 ft	Diameter: 3.80 inches	Volume: 65.87 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
		<u>Total Volume:</u>	<u>66.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4812.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4790.00	
Hydraulic tool	5.00			4795.00	
Jars	5.00			4800.00	
Safety Joint	2.00			4802.00	
Top Packer	5.00			4807.00	
Packer	5.00			4812.00	27.00 Bottom Of Top Packer
Anchor	17.00			4829.00	
Recorder	1.00	6999	Inside	4830.00	
Recorder	1.00	8960	Outside	4831.00	
Bullnose	3.00			4834.00	22.00 Anchor Tool
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Griffin, Charles N

34-32s-12w Barber,KS

PO Box 347
Pratt, KS 67124+0347

Sharron #1

Job Ticket: 65105

DST#: 1

ATTN: Bruce Reed

Test Start: 2016.08.02 @ 11:52:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

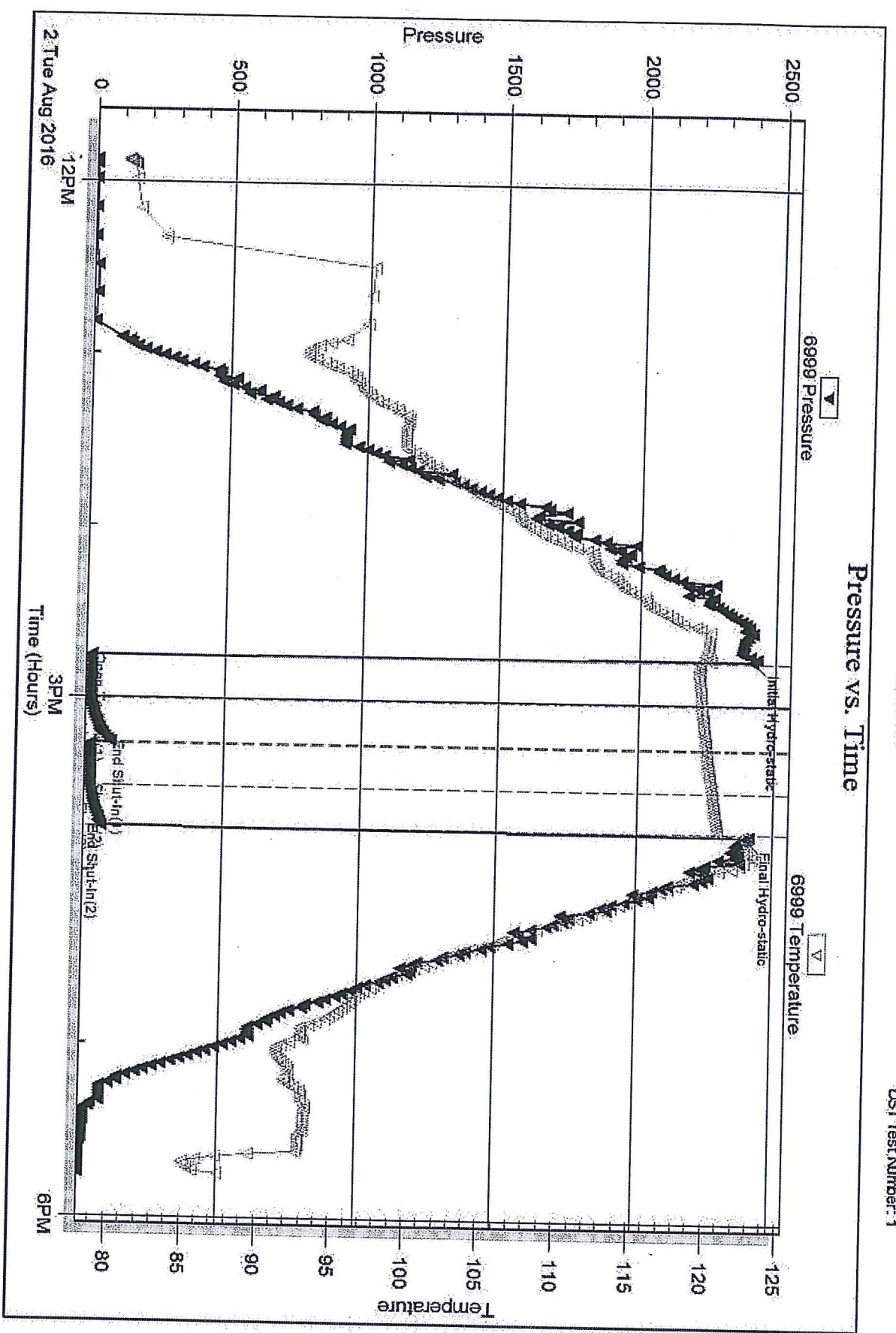
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Trouble Testing, Inc

Ref. No: 65105

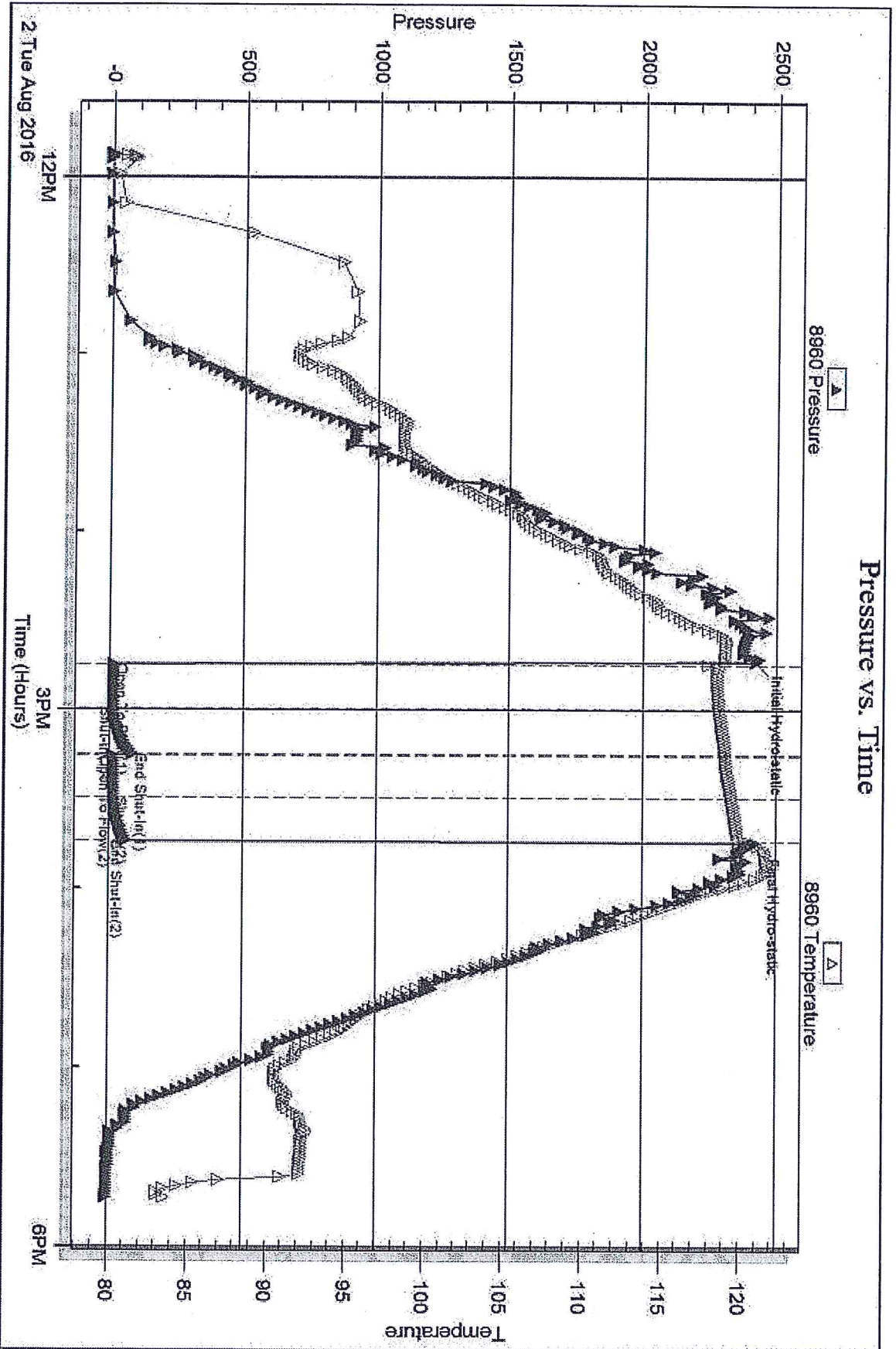
Printed: 2016.08.03 @ 13:20:44

Serial #: 8960

Outside Griffin, Charles N

Sharron #1

DSF Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Griffin, Charles N**

PO Box 347
Pratt, KS 67124+0347

ATTN: Bruce Reed

Sharron #1

34-32s-12w Barber,KS

Start Date: 2016.08.03 @ 00:36:00

End Date: 2016.08.03 @ 05:36:30

Job Ticket #: 65106 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



DRILL STEM TEST REPORT

Griffin, Charles N
 PO Box 347
 Pratt, KS 67124+0347
 ATTN: Bruce Reed

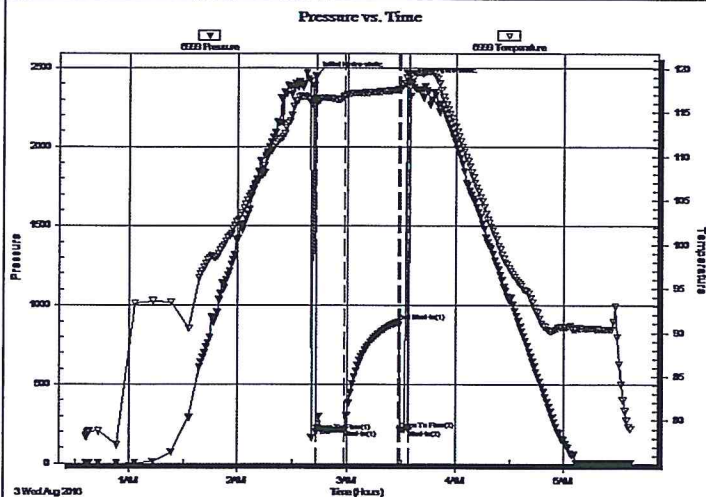
34-32s-12w Barber,KS
Sharron #1
 Job Ticket: 65106 **DST#: 2**
 Test Start: 2016.08.03 @ 00:36:00

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:43:00
 Time Test Ended: 05:36:30
 Interval: **4815.00 ft (KB) To 4850.00 ft (KB) (TVD)**
 Total Depth: 4850.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1589.00 ft (KB)
 1584.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6999 Inside
 Press@RunDepth: 211.73 psig @ 4846.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.03 End Date: 2016.08.03 Last Calib.: 2016.08.03
 Start Time: 00:36:05 End Time: 05:36:29 Time On Btm: 2016.08.03 @ 02:42:30
 Time Off Btm: 2016.08.03 @ 03:35:00

TEST COMMENT: Initial set on tool lost about 20 feet of mud, pulled up and tried reset still had mud loss for 4 minutes
 IFP 15 Minutes BOB in 1 1/2 minutes, Mud loss for 4 minutes, when mud loss stopped blow dead
 ISI 30 Minutes No blow back
 FFP 10 Minutes Light surge at open, Flush tool, Light surge then dead, Pull test



PRESSURE SUMMARY

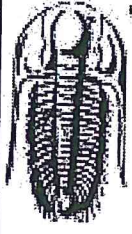
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2448.24	116.70	Initial Hydro-static
1	199.96	116.28	Open To Flow (1)
16	211.73	116.85	Shut-In(1)
46	895.11	117.64	End Shut-In(1)
47	211.38	117.61	Open To Flow (2)
52	212.00	118.58	Shut-In(2)
53	2415.39	119.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
378.00	Mud w with show of oil/ Mud 100%	4.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Griffin, Charles N
 PO Box 347
 Pratt, KS 67124+0347
 ATTN: Bruce Reed

34-32s-12w Barber,KS
Sharron #1
 Job Ticket: 65106 **DST#: 2**
 Test Start: 2016.08.03 @ 00:36:00

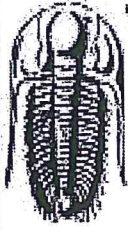
Tool Information

Drill Pipe:	Length: 4696.00 ft	Diameter: 3.80 inches	Volume: 65.87 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 66.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4815.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut-In Tool	5.00			4793.00	
Hydraulic tool	5.00			4798.00	
Jars	5.00			4803.00	
Safety Joint	2.00			4805.00	
Top Packer	5.00			4810.00	
Packer	5.00			4815.00	27.00 Bottom Of Top Packer
Anchor	30.00			4845.00	
Recorder	1.00	6999	Inside	4846.00	
Recorder	1.00	8960	Outside	4847.00	
Bullnose	3.00			4850.00	35.00 Anchor Tool
Total Tool Length:	62.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Griffin, Charles N
PO Box 347
Pratt, KS 67124+0347
ATTN: Bruce Reed

34-32s-12w Barber,KS

Sharron #1

Job Ticket: 65106

DST#: 2

Test Start: 2016.08.03 @ 00:36:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 11.18 in³
Resistivity: ohm.m
Salinity: 5500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
378.00	Mud with show of oil/ Mud 100%	4.209

Total Length: 378.00 ft Total Volume: 4.209 bbl

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

Laboratory Name: Laboratory Location:

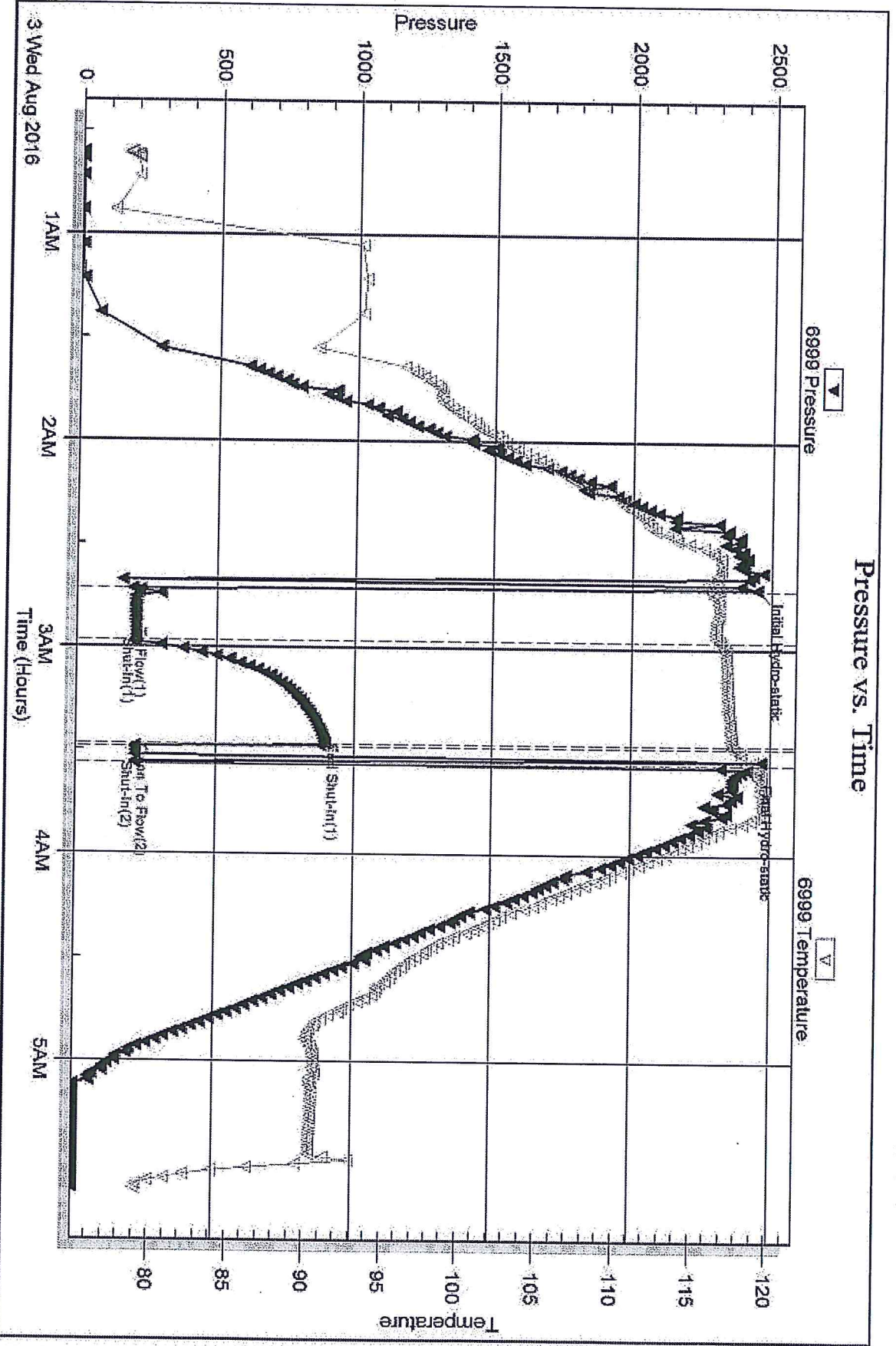
Recovery Comments:

Serial #: 6999

Inside Griffin, Charles N

Sharon #1

DSI Test Number: 2

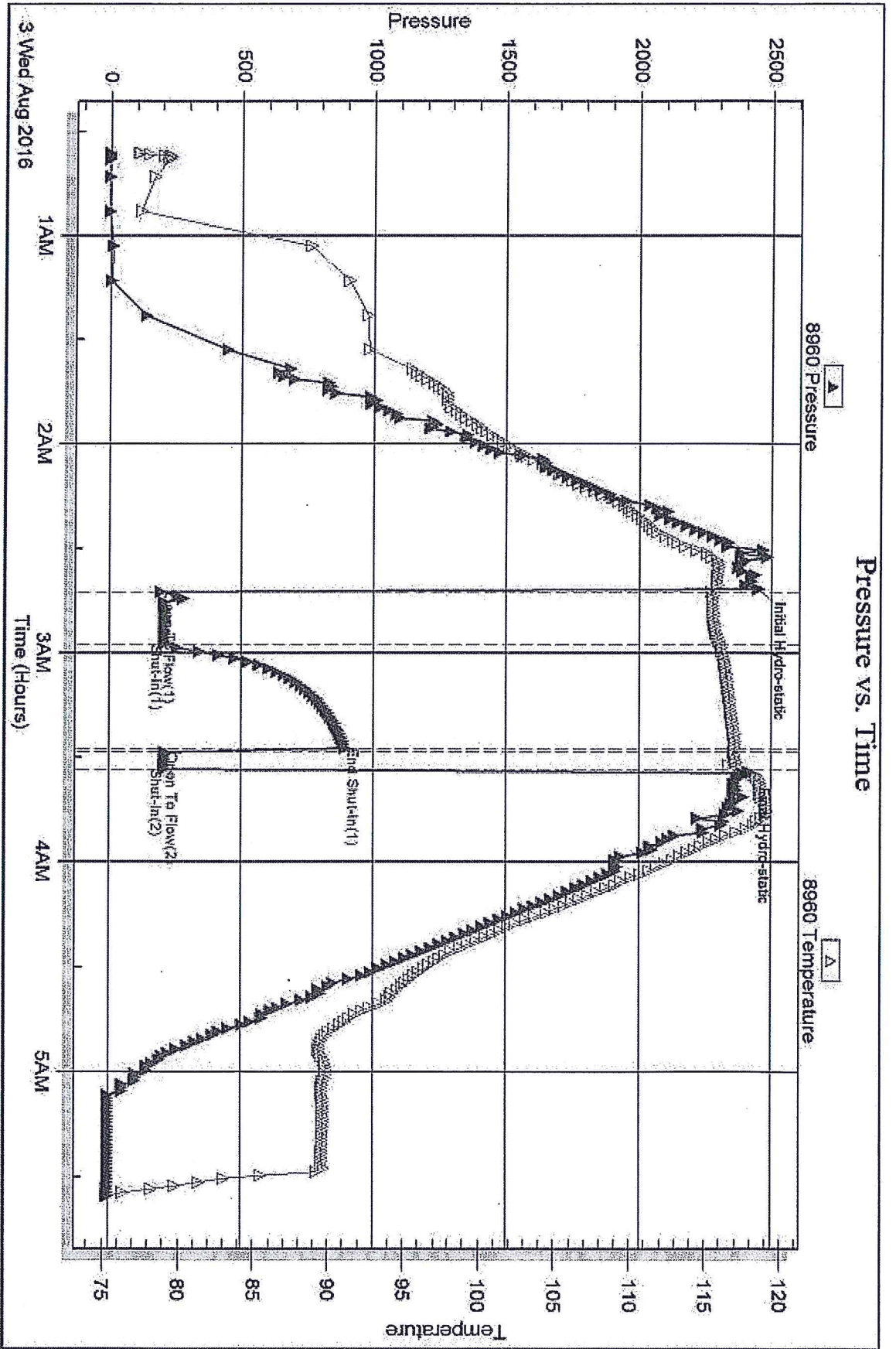


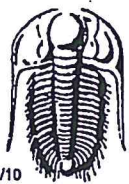
Triobite Testing, Inc

Ref. No: 65106

Printed: 2016.08.03 @ 13:22:19

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65105

Well Name & No. Sharon #1 Test No. 1 Date 7 Aug 16
 Company Griffen, Charles N Elevation 1589 KB 1584 GL
 Address PO Box 347 Pratt Kansas 67124 + 0347
 Co. Rep./Geo. Bruce Reed Rig WW
 Location: Sec. 34 Twp. 32S Rge. 12W Co. Barber State KS

Interval Tested 4812-4834 Zone Tested Simpson Sand
 Anchor Length 22 Drill Pipe Run 4696 Mud Wt. 9.6
 Top Packer Depth 4807 Drill Collars Run 120 Vis 550
 Bottom Packer Depth 4812 Wt. Pipe Run - WL 11.2
 Total Depth 4834 Chlorides 5500 ppm System LCM 5#

Blow Description I.F. Few bubbles of open then dead
I.S.I. No blow back
F.F. No blow

F.S.I. No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>mud</u>			<u>100%</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1 BHT 120 Gravity API RW @ F Chlorides ppm
 (A) Initial Hydrostatic 2415 Test 1150 T-On Location 10:57 am
 (B) First Initial Flow 20 Jars 250 T-Started 11:52 am
 (C) First Final Flow 19 Safety Joint 75 T-Open 2:45 pm
 (D) Initial Shut-In 92 Circ Sub _____ T-Pulled 3:45 pm
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 5:45 pm
 (F) Second Final Flow 20 Mileage 74 55.50
 (G) Final Shut-In 63 Sampler _____
 (H) Final Hydrostatic 2396 Straddle _____

Initial Open 15 Ruined Shale Packer _____
 Initial Shut-In 15 Ruined Packer _____
 Final Flow 15 Extra Copies _____
 Final Shut-In 15 Sub Total 0
 Sub Total 1530.50 Total 1530.50
 MP/DST Disc't _____

Approved By Bruce A. Reed Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged or 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. 65106

Well Name & No. Slarron #2 Test No. 2 Date 3 Aug 16
 Company Griffin Charles N Elevation 1589 KB 1584 GL
 Address PO Box 347 Pratt, KS 67124+0347
 Co. Rep / Geo. Bruce Reed Rig WW
 Location: Sec. 34 Twp. 32S Rge. 12W Co. Barber State KS

Interval Tested 4815-4850 Zone Tested Simpson Sand
 Anchor Length 35 Drill Pipe Run 4696 Mud Wt. 9.6
 Top Packer Depth 4810 Drill Collars Run 120 Vis 52
 Bottom Packer Depth 4815 Wt. Pipe Run - WL 11.7
 Total Depth 4850 Chlorides 5500 ppm System LCM 3#

Blow Description I.F. Blow to bottom of bucket in 1 1/2 minutes, Loss of mud for about 4 in after mud loss stopped blow stopped

I.S.I no blow back

F.F. light surge at open then dead, flush tool light surge then dead, pull test

Rec	Feet of	%gas	%oil	%water	%mu
<u>378</u>	<u>mud with show of oil</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mu
Rec	Feet of	%gas	%oil	%water	%mu
Rec	Feet of	%gas	%oil	%water	%mu
Rec	Feet of	%gas	%oil	%water	%mu

Rec Total 378 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2448 Test 1150 T-On Location Slarron loc 1
 (B) First Initial Flow 199 Jars 250 T-Started 12:36 am
 (C) First Final Flow 211 Safety Joint 75 T-Open 2:43
 (D) Initial Shut-In 895 Circ Sub _____ T-Pulled 3:35
 (E) Second Initial Flow 211 Hourly Standby _____ T-Out 5:37
 (F) Second Final Flow 212 Mileage 74 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2415 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In _____

Sub Total 1475

Total 1475
 MP/DST Disc't _____

Approved By Bruce A. Reed Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or destroyed property of any kind of the property of personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of 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.

Company: Charles N. Griffin
Address: PO Box 347
Pratt, Kansas 67124

Contact Geologist: Well Name: #1 Sharron
Contact Phone Nbr: Section 34-32S-12W
Location: Pool: API: 15-007-24304
State: Kansas City: USA

Scale 1:240 Imperial
Well Name: #1 Sharron
Surface Location: Section 34-32S-12W
Bottom Location: API: 15-007-24304
License Number: TerraTech Energy Service LLC.
Spud Date: 7/28/2016 Region: Barber County Time: 12:30 PM
Drilling Completed: 8/3/2016 Time: 7:00 PM
Surface Coordinates: 2239' FSL & 880' FWL
Bottom Hole Coordinates: 1584.00ft
Ground Elevation: 1589.00ft
Logged Interval: 3400.00ft To: 4920.00ft
Total Depth: 4950.00ft
Formation: 4950.00ft
Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES
Well Type: Vertical Latitude:
Longitude: 2239' FSL
N/S Co-ord: 880' FSL
E/W Co-ord: 2239' FSL

LOGGED BY
TERRATECH
ENERGY SERVICE, LLC
Company: TerraTech Energy Service LLC.
Address: 1632 S. West St. Suite 12
Wichita, KS 67208
Phone Nbr: 316-617-3959
Logged By: Geologist Name: Bruce Reed

CONTRACTOR
Contractor: WW Drilling
Rig #: 4
Rig Type: mud rotary Time: 12:30 PM
Spud Date: 7/28/2016 Time: 7:00 PM
TD Date: 8/3/2016 Time: 9:30 AM
Rig Release: 8/4/2016

ELEVATIONS
K.B. Elevation: 1589.00ft Ground Elevation: 1584.00ft
K.B. to Ground: 5.00ft

NOTES
Surface Casing: 8-5/8" at 320'
Production Casing: 4-1/2" at 4948'
Daily Penetration:
07/28/16 SPUD @ 12:30 PM
07/29/16 618'
07/30/16 2893'
07/31/16 3220'
08/01/16 4298'
08/02/16 4834'
08/03/16 4850' RTD @ 7:00 PM
08/04/16 4950' Rig released @ 9:30 AM

DRILL STEM TEST
DST #1 4812'-4834' Simpson Sand. Weak blow that died during the initial flow period. No blow during the second flow period. Recovered: 1' drilling mud (no shows).
IFP/15" 20-19#, ISIP/15" 92#, FFP/15" 20-20#, FSIP/15" 63#
DST #2 4815'-4850' Simpson Sand. Strong blow, bottom of the bucket in 1-1/2 minutes of the initial flow period. Loss of mud for 4 minutes. Surged during second flow period, then died. Recovered: 378' drilling mud with spots of oil.
IFP/15" 199-211#, ISIP/30" 895#, IFP/10" 211-212#, FSIP - not recorded

FORMATION TOPS

Formation	Log Top	Datum	Sample Top	Datum	Comparison*
Lecompton	3473'	-1884	3474"	-1885	-1
Elgin	3514'	-1925	3513'	-1924	-4
Heebner	3682'	-2093	3681"	-2092	-3
Lansing	3879'	-2290	3880'	-2291	-1
Stark	4260'	-2671	4259"	-2670	-1
Base KC	4246'	-2657	4345'	-2756	-1
Mississippian	4432'	-2843	4434'	-2845	+2
Kinderhook	4624'	-3035	4623"	-3034	-4
Viola	4728'	-3139	4728"	-3139	-3
Simpson Sand	4830'	-3241	4827"	-3238	-2

*Reference well: Charles N. Griffin, #1 Ash, SW/NW
Section 34-32S-12W, Barber County, Kansas

ROCK TYPES
Chert
Limestone
Shale, gray
Carbon Sh

ACCESSORIES
MINERAL
Dolomite
Chert White

OTHER SYMBOLS
Oil Show
Good Show
Fair Show
Poor Show
Spotted or Trace
Questionable Sin
Dead Oil Sin
Fluorescence
DST
DST Int
DST at
Core
Tail pipe

