



DRILL STEM TEST REPORT

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

ATTN: Bruce Reed

Sharron #1

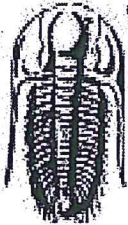
34-32s-12w Barber,KS

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

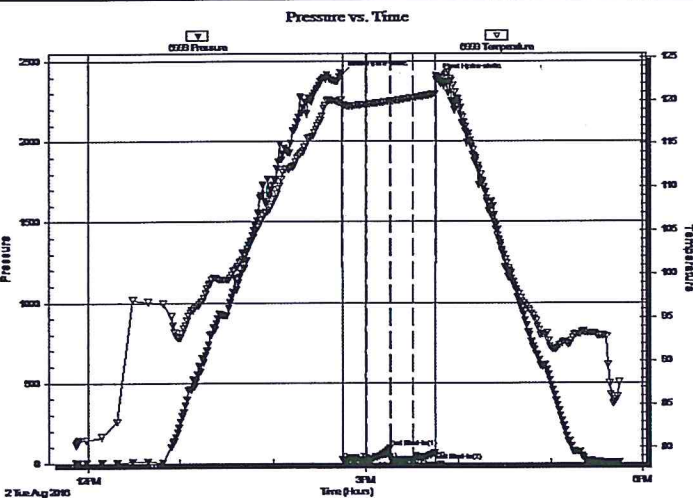
34-32s-12w Barber,KS
Sharron #1
 Job Ticket: 65105 **DST#: 1**
 Test Start: 2016.08.02 @ 11:52:00

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

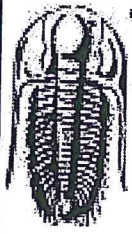
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2415.85	120.07	Initial Hydro-static
1	20.03	119.25	Open To Flow (1)
16	19.57	119.51	Shut-In(1)
31	92.07	119.90	End Shut-In(1)
32	20.58	119.89	Open To Flow (2)
46	20.69	120.29	Shut-In(2)
60	63.32	120.74	End Shut-In(2)
62	2396.68	122.57	Final Hydro-static

Recovery

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

Gas Rates

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



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

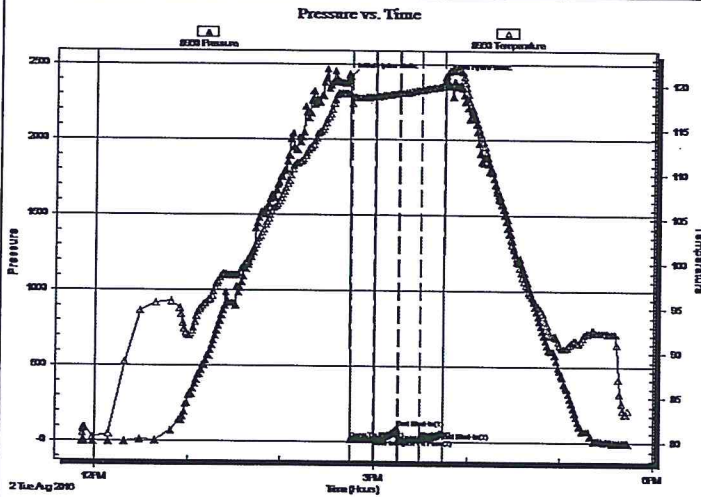
34-32s-12w Barber,KS
Sharon #1
 Job Ticket: 65105 **DST#: 1**
 Test Start: 2016.08.02 @ 11:52:00

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)



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

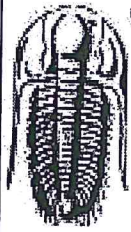
34-32s-12w Barber,KS
Sharron #1
Job Ticket: 65105 **DST#: 1**
Test Start: 2016.08.02 @ 11:52:00

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				



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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:

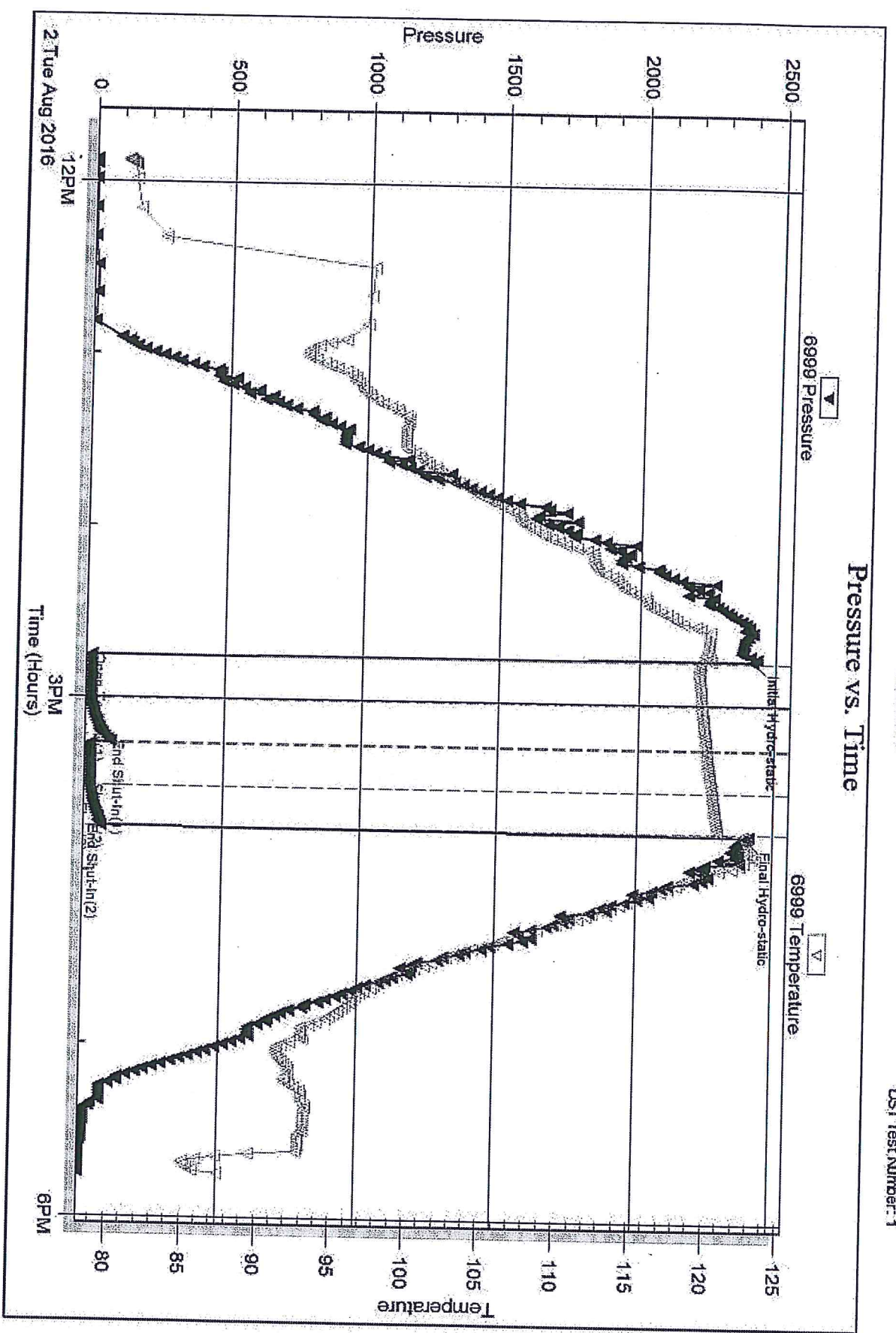
Laboratory Location:

Recovery Comments:

Serial #: 6999 Inside Griffin, Charles N

Sharron #1

DST Test Number: 1



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

