

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	Jazmyne 1
Doc ID	1307921

All Electric Logs Run

DIL
CNL
CDL
Computer Processed Interpretation

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Jazmyne 1
Doc ID	1307921

Tops

Name	Top	Datum
Lecompton	3471	-1880
Elgin	3504	-1913
Heebner	3684	-2093
Snyderville	3696	-2105
Lansing	3882	-2291
Stark	4257	-2666
Hush	4288	-2697
Base KC	4343	-2752
Mississippian	4428	-2837
Kinderhook	4624	-3033
Viola	4728	-3137
Simpson Sand	4826	-3235

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Jazmyne 1
Doc ID	1307921

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4827-4833	7.5% HCl Acid	





Customer <i>CRIFFIN MANAGEMENT</i>	Lease No. <i>TAZUMA</i>	Date <i>5-6-16</i>	
Lease <i>TAZUMA</i>	Well # <i>1</i>		
Field Order # <i>12173</i>	Station <i>PRATT, KS</i>	Casing <i>8 5/8</i>	Depth <i>288</i>
Type Job <i>COUW-SURFACE</i>	Formation	County <i>BARBER</i>	State <i>KS</i>
		Legal Description <i>34-32-12</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>288</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug-Depth <i>160</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative *SID* Station Manager *KEVIN* Treater *GORDLEY*

Service Units <i>83343</i>	<i>8578982-86719</i>	<i>84980-19860</i>
Driver Names <i>160</i>	<i>SPOTT</i>	<i>BRADAN</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1130</i>					<i>ON LOCATION 5/5/16</i>
					<i>RUN 288' 8 5/8 CSC</i>
					<i>BREATH CIRC</i>
					<i>MIX CEMENT</i>
<i>0030</i>	<i>200</i>		<i>39</i>	<i>6</i>	<i>18051 PUMPDOWN 2 1/2 CC 1/4 CF</i>
	<i>100</i>		<i>0</i>	<i>6</i>	<i>START DISP</i>
<i>0110</i>	<i>300</i>		<i>16</i>	<i>6</i>	<i>FINISH DISP</i>
					<i>CORE 10 bbl CEMENT TO PIT</i>
<i>0200</i>					<i>TOP COMPLETE - KEVIN</i>





### Job Log

Customer:	Griffin Management		Comont Pump No.:	38119-19570 - 3		Operator TRK No.:	78939		
Address:			Ticket #:	1718-13657 L		Bulk TRK No.:	77686-19918		
City, State, Zip:			Job Type:	Z42 Cement Production Casing					
Service District:			Well Type:	OIL					
Well Name and No.:	Jazmyne #1		Well Location:	34,32,12	County:	Barber	State:	Ks	
Type of Cmt	Sacks	Additives			Truck Loaded On				
AA-2	150	1/4# POLYFLAKE, 10%SALT, 1/2# FR, 5#GILSONITE, 3%MAG CHEM 10 CR			77686-19918		Front	Back	
							Front	Back	
							Front	Back	
<b>Lead/Tail:</b>	Weight #1 Gal.	Cu/Ft/sk	Water Requirements		CU. FT.	Man Hours / Personnel			
<b>Lead:</b>	15.3	1.36	5.32		204	Man Hours:	8		
<b>Tail:</b>						# of Men on Job.	3		
Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure(PSI)		Description of Operation and Materials		
			T	C	Tubing	Casing			
21:00							ON LOC, SAFTEY MTG, R.U.		
3:49 AM						3500	TEST LINES		
3:52 AM	5	12				200	PUMP MUD FLUSH		
3:56 AM	5	5				200	H2O SPACER		
3:59							PLUG RAT HOLE		
4:04	6	75.6				200	START MIXING 150 SX AA-2 @15.3#		
4:18 AM							SHUT DOWN, DROP PLUG, WASH UP		
4:23	7					100	START DISPLACEMENT W/ KCL		
04:33	3.5	66				600	SLOW RATE		
4:35		76				800-1400	PLUG DOWN		
4:37						1400-0	RELEASE PSI, FLOAT HELD		
							JOB COMPLETE		
Size Hole		Depth					TYPE		
Size & Wt. Csg.		Depth	New / Used				Packer	Depth	
tbq.		Depth					Retainer	Depth	
Top Plugs		Type					Perfs	CIBP	
Customer Signature:						Basic Representative:	CHAD HINZ		
						Basic Signature:			
						Date of Service:	5/13/2016		

Company: Charles N. Griffin  
Address: PO Box 347  
Pratt, KS 67124-0347

OPERATOR

Contact Geologist:  
Contact Phone Nbr:

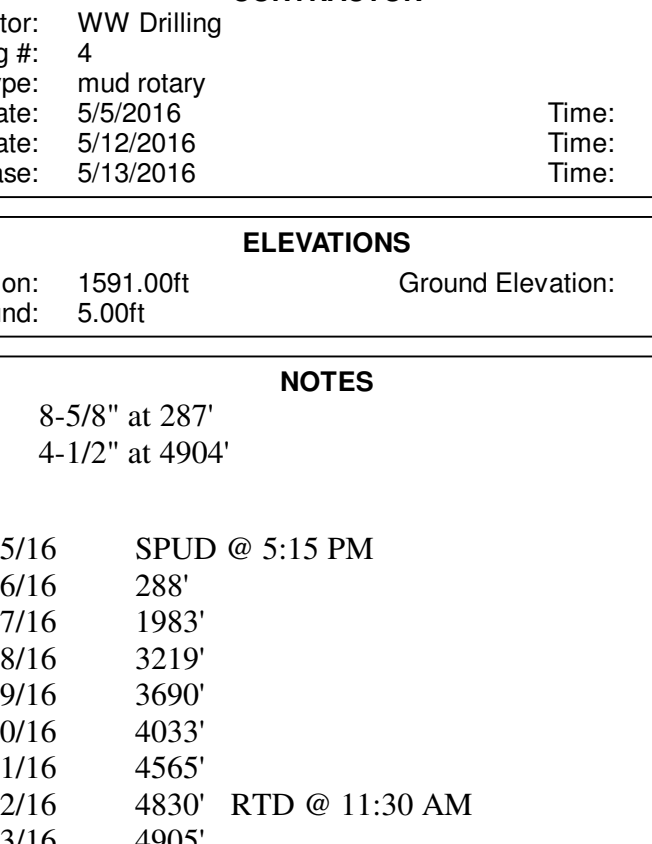
Well Name: #1 Jazmyne  
Section 34-32S-12W  
Location: 15-007-24302  
Pool:  
State: Kansas  
API: 15-007-24302  
Field: Toni-Mike  
County: USA

Scale 1:240 Imperial  
Well Name: #1 Jazmyne  
Surface Location: Section 34-32S-12W  
Bottom Location:  
License Number: API: 15-007-24302  
Spud Date: 5/5/2016 Time: 5:15 PM  
Region: Barber County  
Drilling Completed: 5/12/2016 Time: 11:30 AM  
Surface Coordinates:  
Bottom Hole Coordinates: 1586.00ft  
Ground Elevation: 1591.00ft  
K.B. Elevation: 3600.00ft  
Logged Interval: 4905.00ft To: 4905.00ft  
Formation:  
Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical  
Longitude:  
N/S Co-ord:  
EW Co-ord:  
Latitude:

LOGGED BY



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  
Spud Date: 5/5/2016 Time: 5:15 PM  
TD Date: 5/12/2016 Time: 11:30 AM  
Rig Release: 5/13/2016 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 1591.00ft Ground Elevation: 1586.00ft  
K.B. to Ground: 5.00ft

NOTES

Surface Casing: 8-5/8" at 287'  
Production Casing: 4-1/2" at 4904'  
Daily Penetration: 05/05/16 SPUD @ 5:15 PM  
05/06/16 288'  
05/07/16 1983'  
05/08/16 3219'  
05/09/16 3690'  
05/10/16 4033'  
05/11/16 4565'  
05/12/16 4830' RTD @ 11:30 AM  
05/13/16 4905'

DRILL STEM TEST

DST #1 3472'-3600'. Elgin Sand. Weak blow that died to surface during the initial flow period. No blow during the second flow period, flushed tool, no help. Recovered: 50' Mud (no shows). IFFP/30" 72-75#, ISIP/30" 129#, FFP/30" 75-87#, FSIP/30" 114#  
DST #2 3675'-3720'. Snyderville Sand. Strong blow, BOB in 1-1/2". GTS in 18" during the initial flow period. BOB immediately during the second flow period. Recovered: 297' GCMW with show of oil. IFFP/30" 40-69#, ISIP/45" 1259#, FFP/45" 64-131, FSIP/60" 1257#  
DST #3 4806'-4830'. Simpson Sand. Strong blow, BOB in 30 seconds during the initial flow period. GTS in 10". BOB and GTS immediately during the second flow period. Recovered: 4.313 GIP, 219' Clean Oil, 252' GCMCO (20% Gas, 60% oil, 20% mud). IFFP/30" 126-143#, ISIP/45" 1402#, FFP/45" 123-194#, FSIP/60" 1387#

Formation	Log Top	Datum	Sample Top	Datum	Comparison*
Lecompton	3471'	-1880	3468'	-1877	+3
Elgin	3504'	-1913	3501'	-1910	+4
Heebner	3684'	-2093	3682'	-2091	-2
Snyderville	3696'	-2105	3694'	-2103	flat
Lansing	3882'	-2291	3879'	-2288	flat
Stark	4257'	-2666	4255'	-2664	+3
Hush	4288'	-2697	4286'	-2695	+2
Base KC	4343'	-2752	4339'	-2748	+1
Mississippian	4428'	-2837	4426'	-2835	+4
Kinderhook	4624'	-3033	4621'	-3030	+3
Viola	4728'	-3137	4725'	-3134	+4
Simpson Sand	4826'	-3235	4824'	-3233	flat
Total Depth	4908'	-3317	4905'	-3314	

\*Reference well: Don Malone, #1 Randels, NE NE SW Section 34-32S-12W, Barber County, Kansas

ROCK TYPES

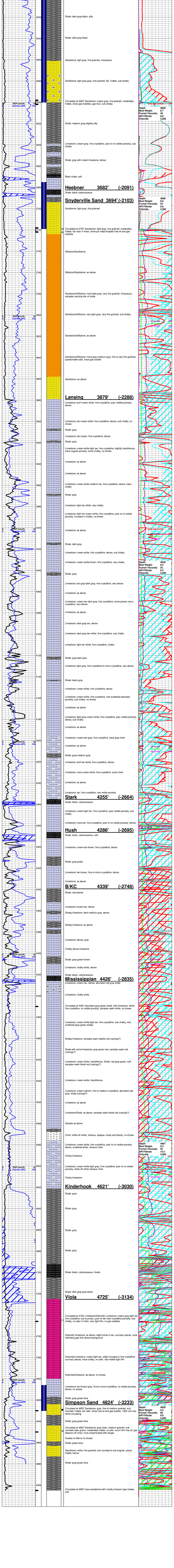
Chert, Dolomite, Limestone, Sandstone, Shale, Siltstone, Carbon Sh, Se, Silt

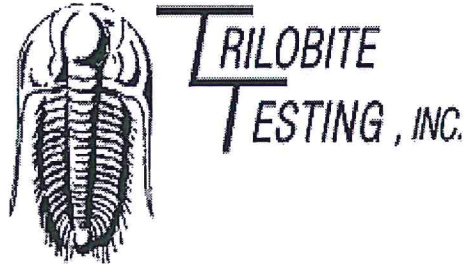
ACCESSORIES

MINERAL: Chert/White, Argillaceous/Shale

OTHER SYMBOLS

INTERVALS: Core, DST, Good Show, Fair Show, Poor Show, Spotted or Trace, Questionable Sin, Dead Oil Sin, Fluorescence, Gas





## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt KS 67124+0347

ATTN: Bruce Reed

### **Jazmyne #1**

#### **34-32S-12W Barber,KS**

Start Date: 2016.05.08 @ 21:52:00

End Date: 2016.05.09 @ 03:10:00

Job Ticket #: 65091                      DST #: 1

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

Printed: 2016.05.12 @ 09:05:17

Charles N Griffin

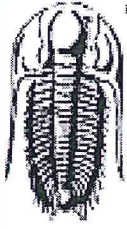
34-32S-12W Barber,KS

Jazmyne #1

DST # 1

Elgin Sand

2016.05.08



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 65091      **DST#: 1**  
Test Start: 2016.05.08 @ 21:52:00

## GENERAL INFORMATION:

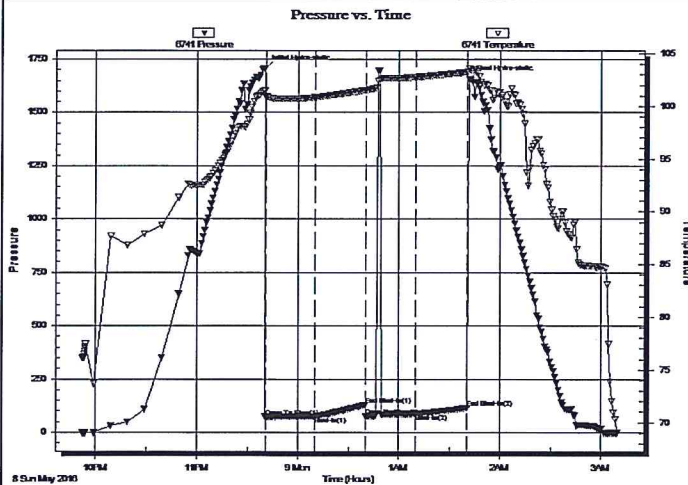
Formation: **Elgin Sand**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 23:41:00  
Time Test Ended: 03:10:00  
Interval: **3472.00 ft (KB) To 3600.00 ft (KB) (TVD)**  
Total Depth: 3600.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ken Swinney  
Unit No: 72  
Reference Elevations: 1594.00 ft (KB)  
1589.00 ft (CF)  
KB to GR/CF: 5.00 ft

## Serial #: 6741

Inside

Press@RunDepth: 87.02 psig @ 3596.15 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.05.08      End Date: 2016.05.09      Last Calib.: 2016.05.09  
Start Time: 21:52:05      End Time: 03:09:59      Time On Btm: 2016.05.08 @ 23:40:00  
Time Off Btm: 2016.05.09 @ 01:41:30

**TEST COMMENT:** IF 30 minutes- Blow built to 1 1/4 inch then died to surface blow  
ISI 30 minutes- No blow back  
FF 30 minutes-Dead no blow , flush tool no help  
FSI 30 minutes- No blow back



## PRESSURE SUMMARY

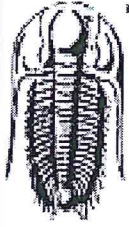
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.06	101.44	Initial Hydro-static
1	72.29	100.91	Open To Flow (1)
30	75.06	100.84	Shut-In(1)
60	129.11	101.52	End Shut-In(1)
61	75.81	101.50	Open To Flow (2)
90	87.02	102.76	Shut-In(2)
121	114.76	103.24	End Shut-In(2)
122	1657.03	103.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.25

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
 Job Ticket: 65091      **DST#: 1**  
 Test Start: 2016.05.08 @ 21:52:00

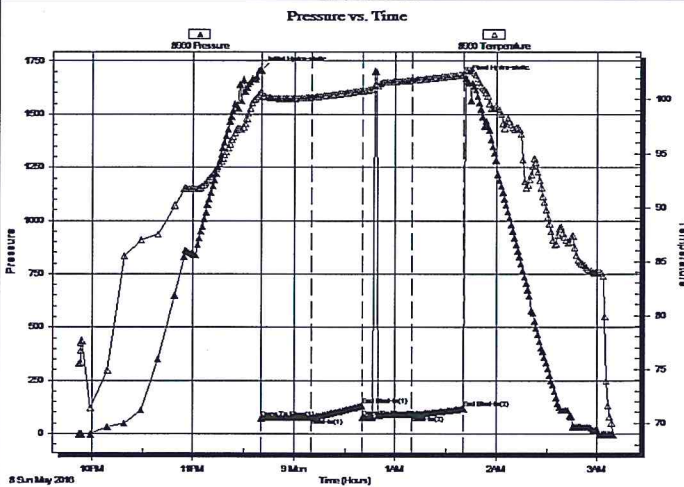
## GENERAL INFORMATION:

Formation: **Elgin Sand**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 23:41:00  
 Time Test Ended: 03:10:00  
 Interval: **3472.00 ft (KB) To 3600.00 ft (KB) (TVD)**  
 Total Depth: 3600.00 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: 1594.00 ft (KB)  
 1589.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8960

Press@RunDepth: 118.21 psig @                      ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2016.05.08      End Date: 2016.05.09      Last Calib.: 2016.05.09  
 Start Time: 21:52:05      End Time: 03:09:59      Time On Btm: 2016.05.08 @ 23:40:00  
 Time Off Btm: 2016.05.09 @ 01:41:30

**TEST COMMENT:** IF 30 minutes- Blow built to 1 1/4 inch then died to surface blow  
 ISI 30 minutes- No blow back  
 FF 30 minutes-Dead no blow , flush tool no help  
 FSI 30 minutes- No blow back



## PRESSURE SUMMARY

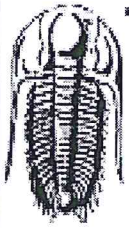
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.97	100.69	Initial Hydro-static
1	73.61	100.20	Open To Flow (1)
30	77.15	100.20	Shut-In(1)
60	131.83	100.81	End Shut-In(1)
61	77.51	100.79	Open To Flow (2)
90	88.61	101.79	Shut-In(2)
121	118.21	102.32	End Shut-In(2)
122	1667.81	102.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.25

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Charles N Griffin

**34-32S-12W Barber,KS**

PO Box 347  
Pratt KS 67124+0347

**Jazmyne #1**

Job Ticket: 65091

**DST#: 1**

ATTN: Bruce Reed

Test Start: 2016.05.08 @ 21:52:00

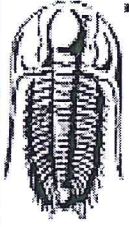
### Tool Information

Drill Pipe:	Length: 3332.00 ft	Diameter: 3.80 inches	Volume: 46.74 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: 64000.00 lb
			<u>Total Volume: 47.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3472.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	128.15 ft			
Tool Length:	155.15 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			3450.00	
Hydraulic tool	5.00			3455.00	
Jars	5.00			3460.00	
Safety Joint	2.00			3462.00	
Top Packer	5.00			3467.00	
Packer	5.00			3472.00	27.00 Bottom Of Top Packer
Change Over Sub	1.00			3473.00	
Drill Pipe	94.15			3567.15	
Change Over Sub	1.00			3568.15	
Perforations	27.00			3595.15	
Recorder	1.00	6741	Inside	3596.15	
Recorder	1.00	8521	Outside	3597.15	
Bullnose	3.00			3600.15	128.15 Anchor Tool

**Total Tool Length: 155.15**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 65091      **DST#: 1**  
Test Start: 2016.05.08 @ 21:52:00

**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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100%	0.246

Total Length: 50.00 ft      Total Volume: 0.246 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



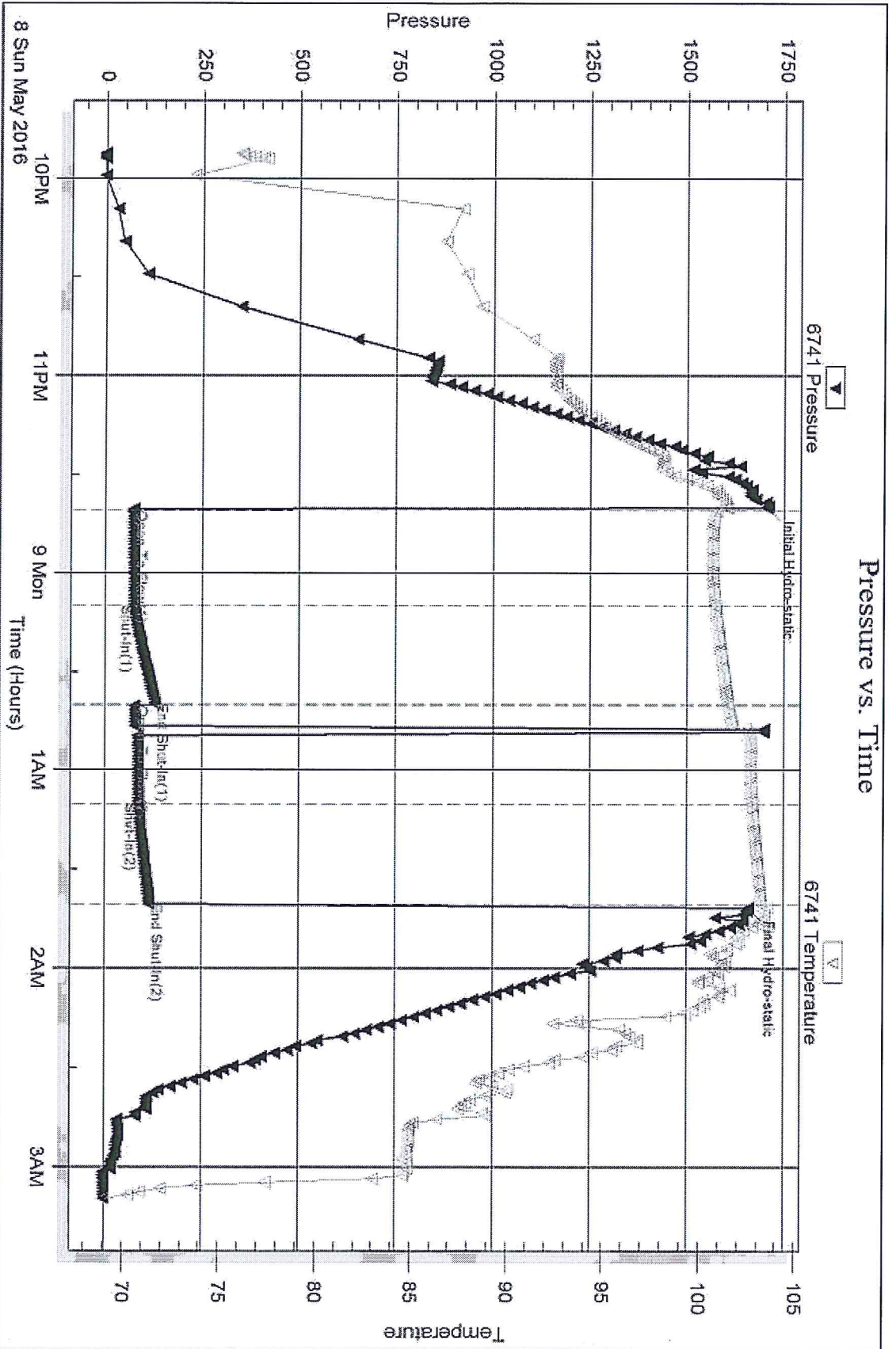
Serial #: 6741

Inside

Charles N Griffin

Jazmyne #1

DST Test Number: 1

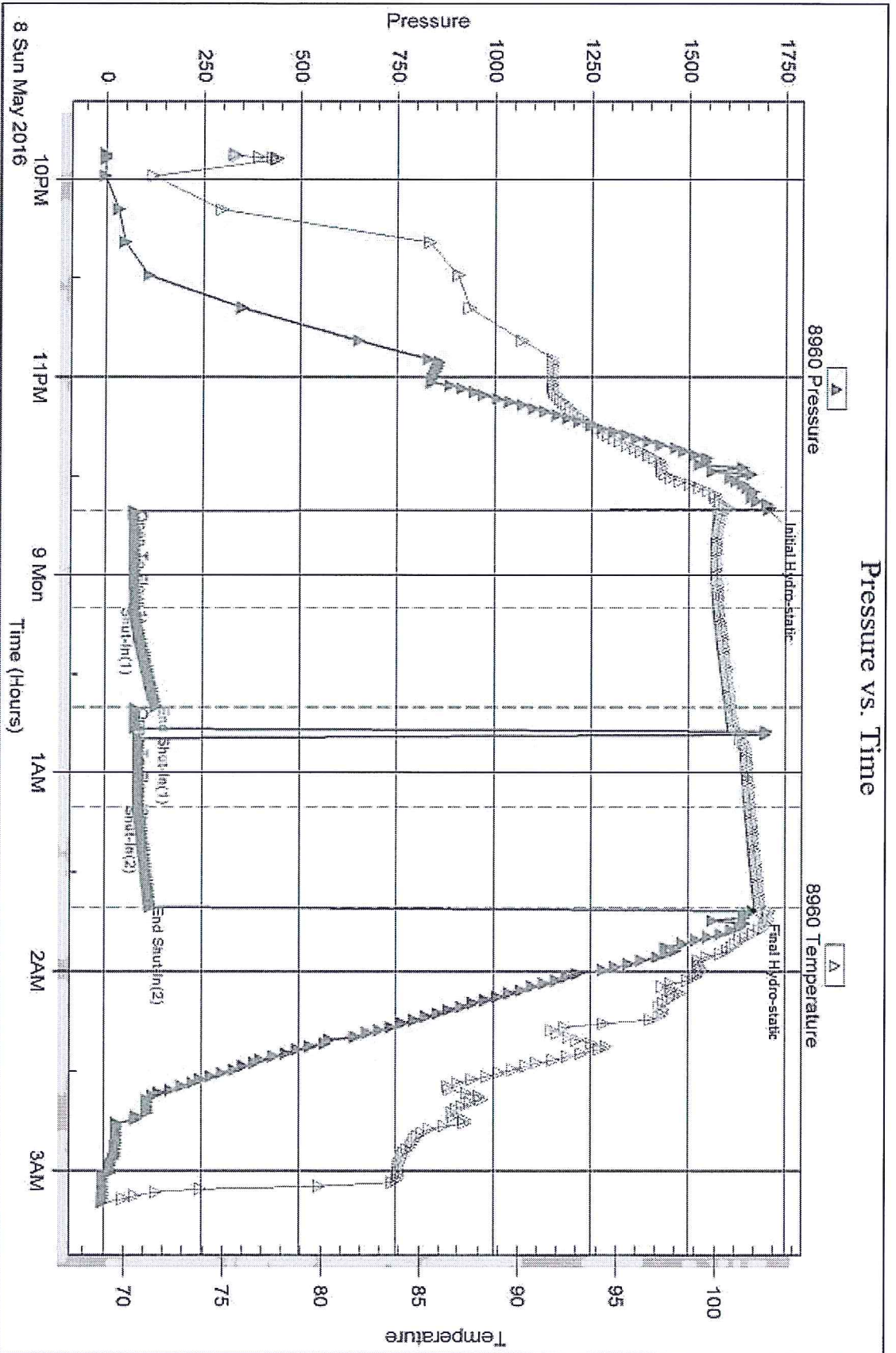


Serial #: 8960

Charles N Griffin

Jazmyne #1

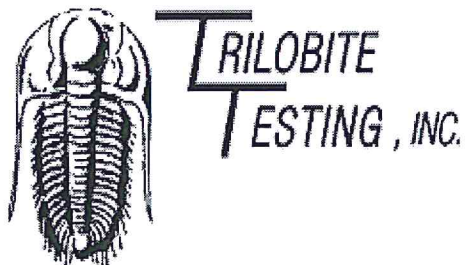
DST Test Number: 1



Triable Testing, Inc

Ref. No: 65091

Printed: 2016.05.12 @ 09:05:18



## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt KS 67124+0347

ATTN: Bruce Reed

**Jazmyne #1**

**34-32S-12W Barber,KS**

Start Date: 2016.05.09 @ 10:18:00

End Date: 2016.05.09 @ 16:37:00

Job Ticket #: 65092                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.05.12 @ 09:04:36

Charles N Griffin

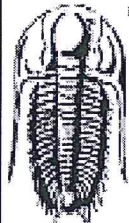
34-32S-12W Barber,KS

Jazmyne #1

DST # 2

Snyderville Sand

2016.05.09



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

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

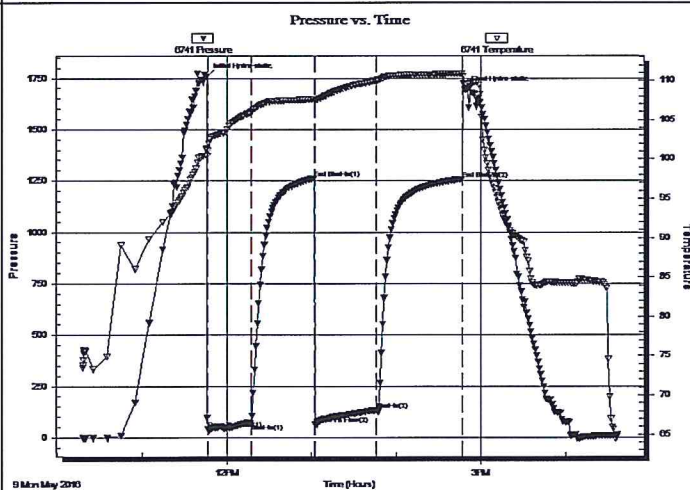
**34-32S-12W Barber,KS**  
**Jazmyne #1**  
 Job Ticket: 65092      DST#: 2  
 Test Start: 2016.05.09 @ 10:18:00

## GENERAL INFORMATION:

Formation: **Snyderville Sand**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 11:47:00  
 Time Test Ended: 16:37:00  
 Interval: **3675.00 ft (KB) To 3720.00 ft (KB) (TVD)**  
 Total Depth: **3720.00 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: **1594.00 ft (KB)**  
**1589.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6741      Inside**  
 Press@RunDepth: 131.86 psig @ 3716.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2016.05.09      End Date: 2016.05.09      Last Calib.: 2016.05.09  
 Start Time: 10:18:05      End Time: 16:36:59      Time On Btm: 2016.05.09 @ 11:46:00  
 Time Off Btm: 2016.05.09 @ 14:48:30

**TEST COMMENT:** IF 30 minutes- Blow built to BOB in 1 minute 30 seconds, gas to surface in 18 min  
 ISI 45 minutes- Blow back built to 2 inches then died in 30 minutes  
 FF 45 minutes- Blow at BOB at open  
 FSI 60 minutes- Surface blow back died in 30 minutes



## PRESSURE SUMMARY

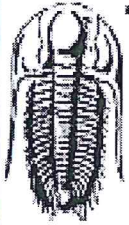
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.74	101.30	Initial Hydro-static
1	40.15	101.06	Open To Flow (1)
31	69.02	105.99	Shut-In(1)
76	1259.88	107.65	End Shut-In(1)
77	64.25	107.35	Open To Flow (2)
120	131.86	110.05	Shut-In(2)
181	1257.45	110.89	End Shut-In(2)
183	1692.12	109.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
297.00	GCMW Gas 10% Mud 30% Water 60%	3.07

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	22.00	13.62
Max. Gas Rate	0.13	22.00	13.62



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

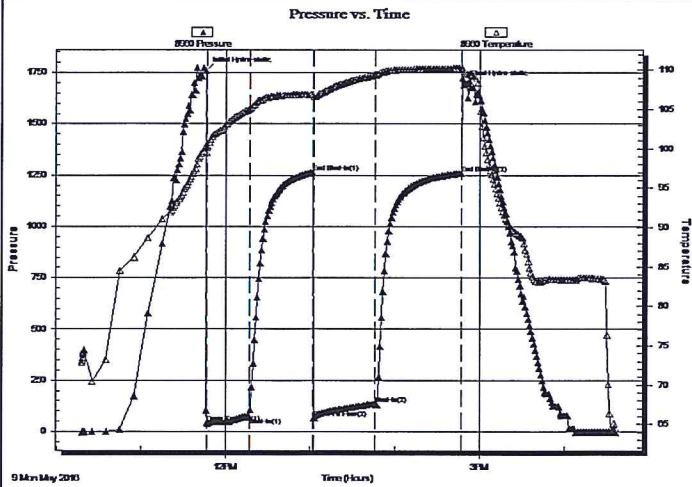
**34-32S-12W Barber,KS**  
**Jazmyne #1**  
 Job Ticket: 65092      **DST#: 2**  
 Test Start: 2016.05.09 @ 10:18:00

## GENERAL INFORMATION:

Formation: **Snyderville Sand**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 11:47:00  
 Time Test Ended: 16:37:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72  
 Interval: **3675.00 ft (KB) To 3720.00 ft (KB) (TVD)**  
 Total Depth: 3720.00 ft (KB) (TVD)  
 Reference Elevations: 1594.00 ft (KB)  
 1589.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 5.00 ft

**Serial #: 8960**      **Outside**  
 Press@RunDepth: 1259.59 psig @ 3717.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2016.05.09      End Date: 2016.05.09      Last Calib.: 2016.05.09  
 Start Time: 10:18:05      End Time: 16:36:59      Time On Btm: 2016.05.09 @ 11:46:00  
 Time Off Btm: 2016.05.09 @ 14:48:30

**TEST COMMENT:** IF. 30 minutes- Blow built to BOB in 1 minute 30 seconds, gas to surface in 18 min  
 ISI 45 minutes- Blow back built to 2 inches then died in 30 minutes  
 FF 45 minutes- Blow at BOB at open  
 FSI 60 minutes- Surface blow back died in 30 minutes



## PRESSURE SUMMARY

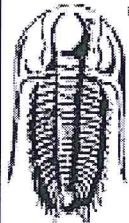
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1758.34	100.44	Initial Hydro-static
1	42.63	100.13	Open To Flow (1)
31	71.13	105.02	Shut-In(1)
76	1261.58	106.92	End Shut-In(1)
77	66.33	106.53	Open To Flow (2)
120	134.73	109.37	Shut-In(2)
181	1259.59	110.22	End Shut-In(2)
183	1693.72	109.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
297.00	GCMW Gas 10% Mud 30% Water 60%	3.07

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	6.51
Last Gas Rate	0.13	22.00	13.62
Max. Gas Rate	0.13	22.00	13.62



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

TOOL DIAGRAM

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

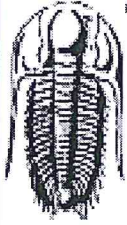
**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 65092      DST#: 2  
Test Start: 2016.05.09 @ 10:18:00

### Tool Information

Drill Pipe:	Length: 3553.00 ft	Diameter: 3.80 inches	Volume: 49.84 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: 60000.00 lb
			<u>Total Volume: 50.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3675.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 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			3653.00	
Hydraulic tool	5.00			3658.00	
Jars	5.00			3663.00	
Safety Joint	2.00			3665.00	
Top Packer	5.00			3670.00	
Packer	5.00			3675.00	27.00      Bottom Of Top Packer
Anchor	40.00			3715.00	
Recorder	1.00	6741	Inside	3716.00	
Recorder	1.00	8960	Outside	3717.00	
Bullnose	3.00			3720.00	45.00      Anchor Tool
<b>Total Tool Length:</b>	<b>72.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Charles N Griffin

**34-32S-12W Barber,KS**

PO Box 347  
Pratt KS 67124+0347

**Jazmyne #1**

Job Ticket: 65092

DST#: 2

ATTN: Bruce Reed

Test Start: 2016.05.09 @ 10:18:00

### 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:

53000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
297.00	GCMW Gas 10% Mud 30% Water 60%	3.073

Total Length: 297.00 ft

Total Volume: 3.073 bbl

Num Fluid Samples: 0

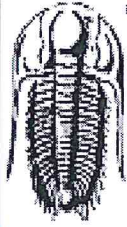
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 65092      DST#: 2  
Test Start: 2016.05.09 @ 10:18:00

### Gas Rates Information

Temperature:            59 (deg F)  
Relative Density:      0.65  
Z Factor:                0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	25	0.13	3.00	6.51
1	30	0.13	6.00	7.63
2	10	0.13	14.00	10.63
2	20	0.13	18.00	12.13
2	30	0.13	20.00	12.88
2	40	0.13	22.00	13.62
2	45	0.13	22.00	13.62



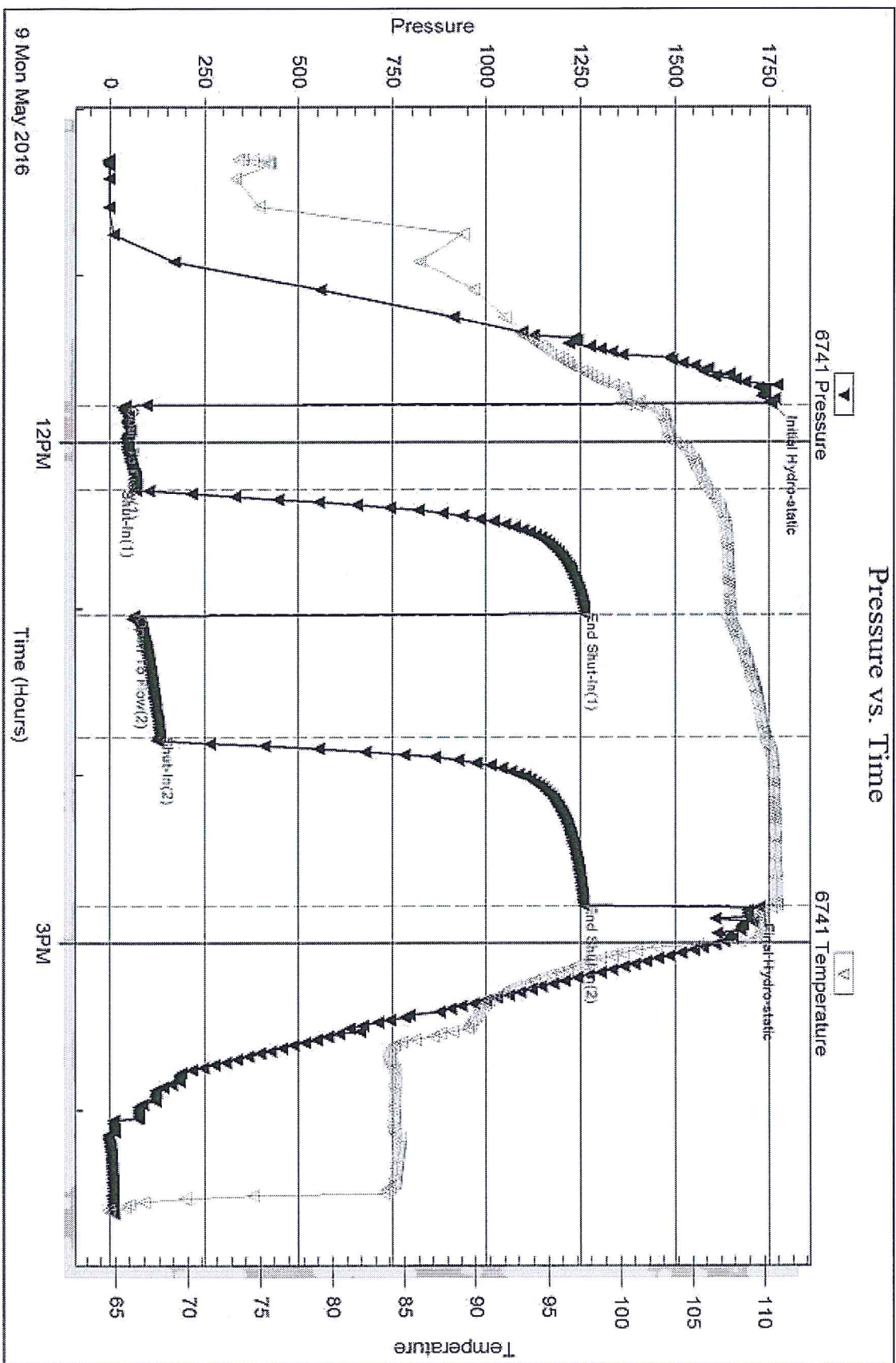
Serial #: 6741

Inside

Charles N Griffin

Jazmyne #1

DST Test Number: 2

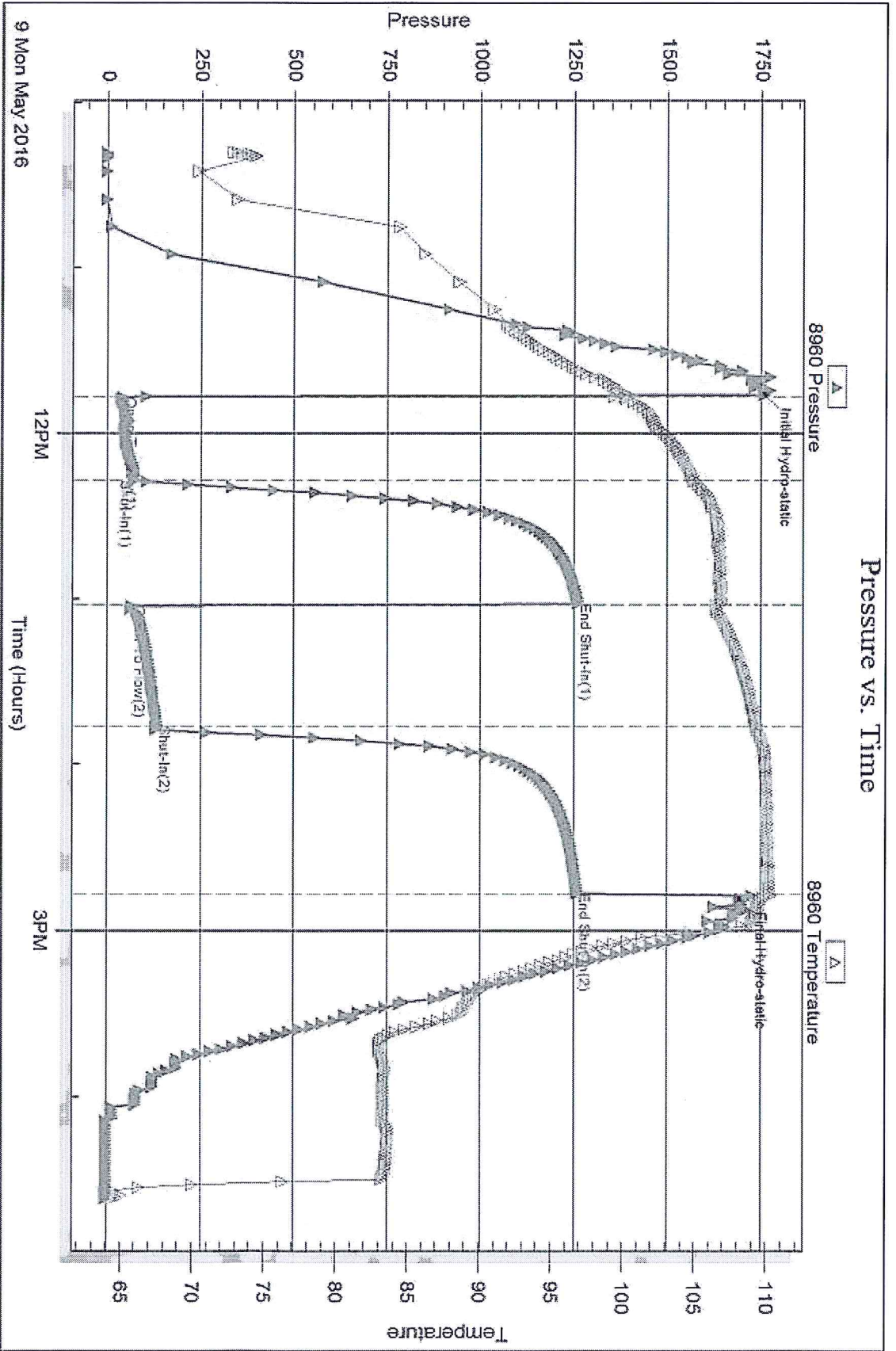


Serial #: 8960

Outside Charles N Griffin

Jazmyne #1

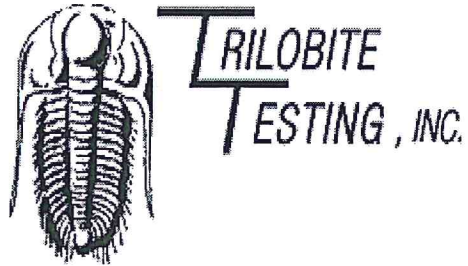
DST Test Number: 2



Trioble Testing, Inc

Ref. No: 65092

Printed: 2016.05.12 @ 09:04:38



## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt KS 67124+0347

ATTN: Bruce Reed

### **Jazmyne #1**

### **34-32S-12W Barber,KS**

Start Date: 2016.05.11 @ 22:02:37

End Date: 2016.05.12 @ 06:05:22

Job Ticket #: 57989                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.05.12 @ 08:47:49

Charles N Griffin

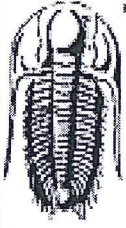
34-32S-12W Barber,KS

Jazmyne #1

DST # 3

Simpson

2016.05.11



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
 Job Ticket: 57989      **DST#: 3**  
 Test Start: 2016.05.11 @ 22:02:37

## GENERAL INFORMATION:

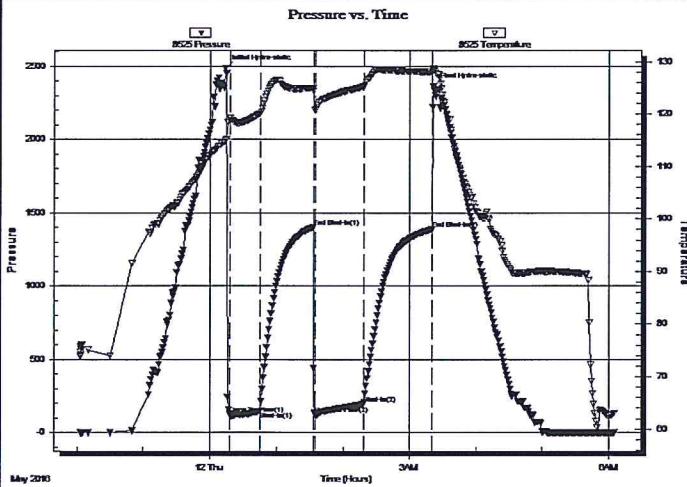
Formation: **Simpson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:18:07  
 Time Test Ended: 06:05:22  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Interval: **4806.00 ft (KB) To 4830.00 ft (KB) (TVD)**  
 Total Depth: 4830.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Reference Elevations: 1594.00 ft (KB)  
 1589.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8525

Inside

Press@RunDepth: 194.34 psig @ 4807.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.05.11 End Date: 2016.05.12 Last Calib.: 2016.05.12  
 Start Time: 22:02:38 End Time: 06:05:22 Time On Btm: 2016.05.12 @ 00:13:52  
 Time Off Btm: 2016.05.12 @ 03:21:22

TEST COMMENT: IF: Strong Blow, BOB in 30 seconds, GTS in 10 minutes, Gauged Gas  
 IS: 1 inch Blow Back  
 FF: Strong Blow, BOB & GTS immediate, Gauged Gas  
 FSI: 2 inch Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2485.45	114.89	Initial Hydro-static
5	126.06	119.19	Open To Flow (1)
32	142.69	120.06	Shut-In(1)
79	1401.81	124.87	End Shut-In(1)
81	123.25	120.69	Open To Flow (2)
125	194.34	125.16	Shut-In(2)
187	1386.58	128.02	End Shut-In(2)
188	2363.12	128.69	Final Hydro-static

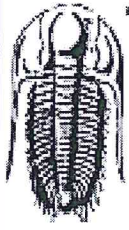
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	4313 GIP	0.00
252.00	GMCO 20%G 20%M 60%O	2.43
219.00	Oil	3.07

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	40.00	86.30
Last Gas Rate	0.25	14.00	45.05
Max. Gas Rate	0.25	47.00	97.40

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

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

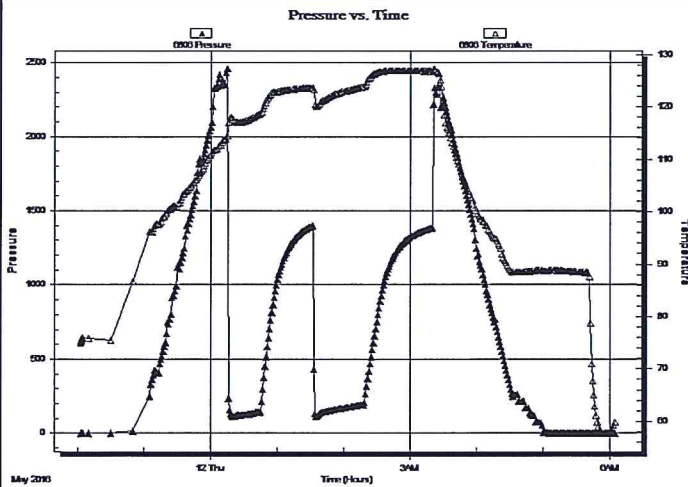
**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 57989      **DST#: 3**  
Test Start: 2016.05.11 @ 22:02:37

## GENERAL INFORMATION:

Formation: **Simpson**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 00:18:07  
Time Test Ended: 06:05:22  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Leal Cason  
Unit No: 74  
Interval: **4806.00 ft (KB) To 4830.00 ft (KB) (TVD)**  
Reference Elevations: 1594.00 ft (KB)  
Total Depth: 4830.00 ft (KB) (TVD)      1589.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 6806      Outside**  
Press@RunDepth:      psig @ 4807.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2016.05.11      End Date: 2016.05.12      Last Calib.: 2016.05.12  
Start Time: 22:02:38      End Time: 06:05:07      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: Strong Blow, BOB in 30 seconds, GTS in 10 minutes, Gauged Gas  
ISI: 1 inch Blow Back  
FF: Strong Blow, BOB & GTS immediate, Gauged Gas  
FSI: 2 inch Blow Back



## PRESSURE SUMMARY

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

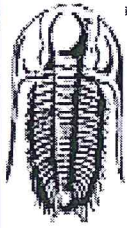
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	4313 GIP	0.00
252.00	GMCO 20%G 20%M 60%O	2.43
219.00	Oil	3.07

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	40.00	86.30
Last Gas Rate	0.25	14.00	45.05
Max. Gas Rate	0.25	47.00	97.40



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 57989      **DST#: 3**  
Test Start: 2016.05.11 @ 22:02:37

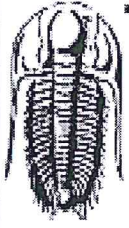
**Tool Information**

Drill Pipe:	Length: 4663.00 ft	Diameter: 3.80 inches	Volume: 65.41 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: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 66.01 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4806.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	50.00 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			4785.00	
Hydraulic tool	5.00			4790.00	
Jars	5.00			4795.00	
Safety Joint	2.00			4797.00	
Packer	5.00			4802.00	26.00      Bottom Of Top Packer
Packer	4.00			4806.00	
Stubb	1.00			4807.00	
Recorder	0.00	8525	Inside	4807.00	
Recorder	0.00	6806	Outside	4807.00	
Perforations	20.00			4827.00	
Bullnose	3.00			4830.00	24.00      Bottom Packers & Anchor

**Total Tool Length: 50.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 57989      **DST#: 3**  
Test Start: 2016.05.11 @ 22:02:37

## Mud and Cushion Information

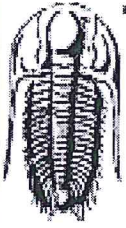
Mud Type: Gel Chem	Cushion Type:	Oil API: 29.2 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3500.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4313 GIP	0.000
252.00	GMCO 20%G 20%M 60%O	2.433
219.00	Oil	3.072

Total Length: 471.00 ft      Total Volume: 5.505 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Gravity was 29 @ 58 degrees



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

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

**34-32S-12W Barber,KS**  
**Jazmyne #1**  
Job Ticket: 57989      **DST#: 3**  
Test Start: 2016.05.11 @ 22:02:37

### Gas Rates Information

Temperature:            59 (deg F)  
Relative Density:      0.65  
Z Factor:                0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.25	40.00	86.30
1	20	0.25	47.00	97.40
1	30	0.25	41.00	87.89
2	10	0.25	10.00	38.71
2	20	0.25	12.00	41.88
2	30	0.25	14.00	45.05
2	40	0.25	14.00	45.05



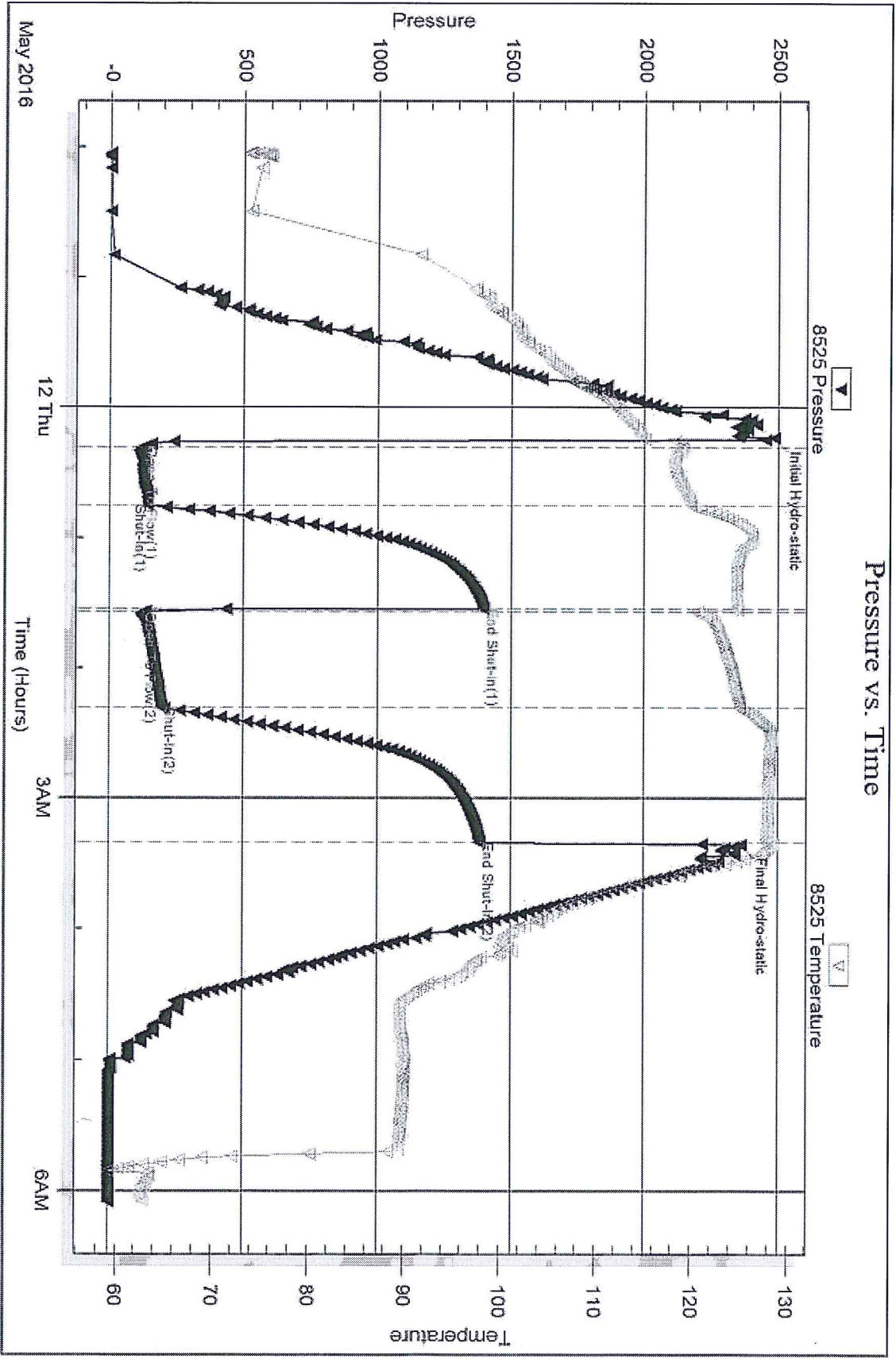
Serial #: 8525

Inside

Charles N Griffin

Jazmyne #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 57989

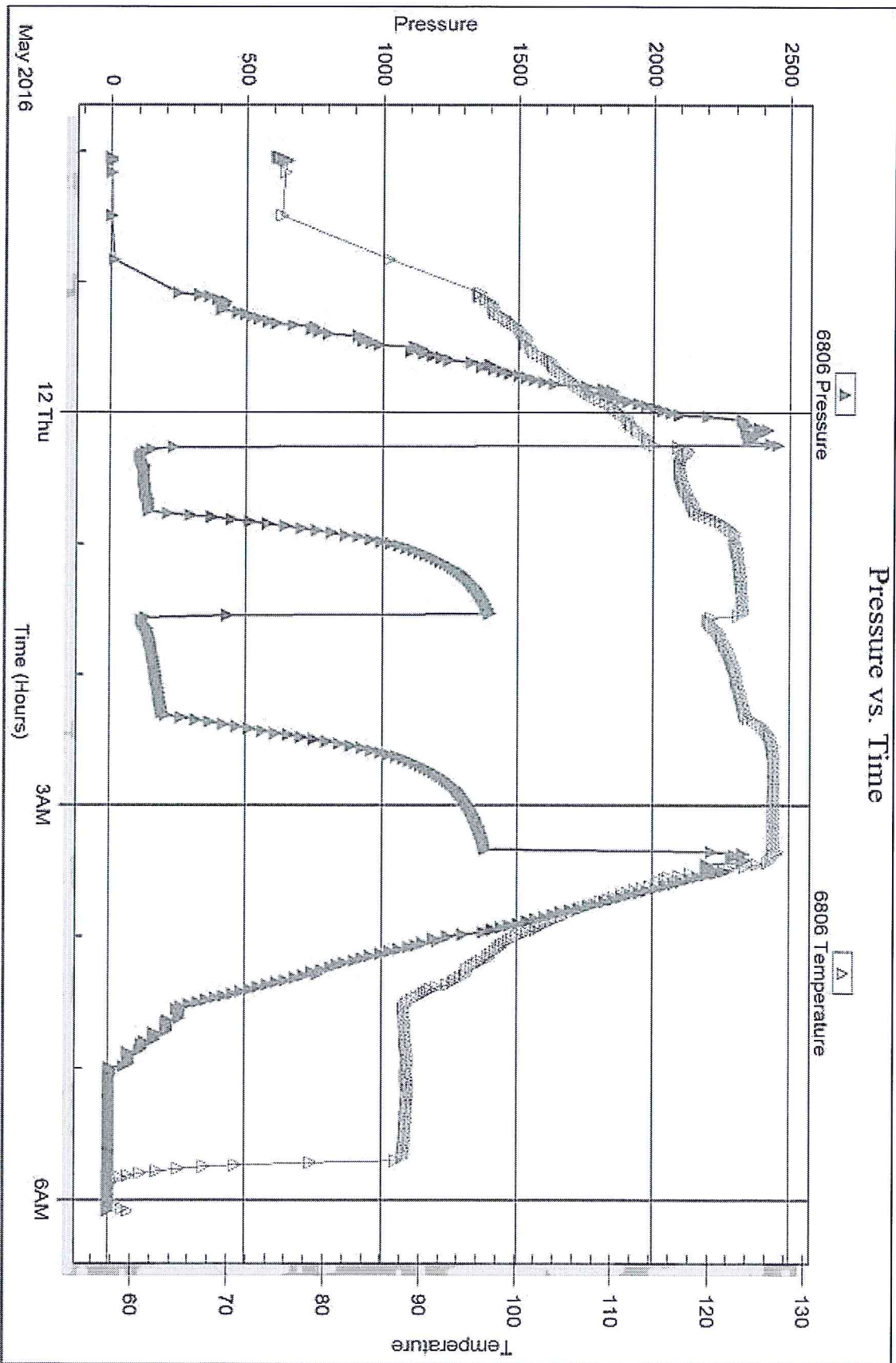
Printed: 2016.05.12 @ 08:47:51

Serial #: 6806

Outside Charles N Griffin

Jazmyne #1

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65091

Well Name & No. Jazzyne #2 Test No. 1 Date 8 May 16  
 Company Griffin Charles N Elevation 1594 KB 1589 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 3472-3600 Zone Tested Elgin Sand  
 Anchor Length 128 Drill Pipe Run 3332 Mud Wt. 8.7  
 Top Packer Depth 3467 Drill Collars Run 120 Vis 46  
 Bottom Packer Depth 3472 Wt. Pipe Run - WL 8.8  
 Total Depth 3600 Chlorides 3000 ppm System LCM 1.5#

Blow Description Initial flow - blow built to 1 1/4 inch then died to surface  
Initial shut in - no blow back  
Final flow - Dead no blow - Plus a tool no help  
Final shut in - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</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	Feet of	%gas	%oil	%water	%mud

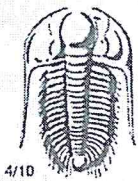
Rec Total 50 BHT 103 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1705  Test 1050 T-On Location 7:02 pm  
 (B) First Initial Flow 72  Jars 250 T-Started 9:52 pm  
 (C) First Final Flow 75  Safety Joint 75 T-Open 11:41 pm  
 (D) Initial Shut-In 129  Circ Sub \_\_\_\_\_ T-Pulled 1:41 am  
 (E) Second Initial Flow 75  Hourly Standby \_\_\_\_\_ T-Out 3:10 am  
 (F) Second Final Flow 87  Mileage 74 55.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 114  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1657  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open :30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1430.50  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1430.50

Approved By Bruce Reed 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. 65092

Well Name & No. Jazmyne #2 Test No. 2 Date 9 MAY 16  
 Company Griffin Charles W Elevation 1594 KB 1589 GL  
 Address PO Box 347 Pratt Kansas 67124-0347  
 Co. Rep / Geo. Bruce Reed Rig WW #4  
 Location: Sec. 34 Twp. 32S Rge. 12W Co. Barber State KS

Interval Tested 3675-3720 Zone Tested Snyderville Sand  
 Anchor Length 45 Drill Pipe Run 3553 Mud Wt. 8.8  
 Top Packer Depth 3670 Drill Collars Run 120 Vis 54  
 Bottom Packer Depth 3675 Wt. Pipe Run — WL 8.8  
 Total Depth 3720 Chlorides 3500 ppm System LCM 1#

Blow Description Initial flow blow built to BOB in 1 minute 30 sec gas to surface  
Initial shut in blow back built to 2 inches then died after 30 in 18 minutes  
Final flow blow at bottom of bucket at open  
Final shut in surface blow back died in 30 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>297</u>	<u>Gas cut Muddy water w/slow etc.</u>	<u>10%</u>		<u>60%</u>	<u>30%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

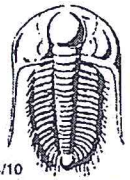
Rec Total 297 BHT 110 Gravity \_\_\_\_\_ API RW .19 @ 69 °F Chlorides 53,000 ppm

(A) Initial Hydrostatic 1756  Test 1050 T-On Location 9:14 am  
 (B) First Initial Flow 40  Jars 250 T-Started 10:18 am  
 (C) First Final Flow 69  Safety Joint 75 T-Open 10:46 am  
 (D) Initial Shut-In 1259  Circ Sub \_\_\_\_\_ T-Pulled 2:46 pm  
 (E) Second Initial Flow 64  Hourly Standby \_\_\_\_\_ T-Out 4:37 pm  
 (F) Second Final Flow 131  Mileage 74 55.50  
 (G) Final Shut-In 1757  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1692  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1430.50

Approved By Bruce Reed Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57989

Well Name & No. Jazmyne 1 Test No. 3 Date 05/11/16  
 Company Charles N. Griffin Elevation 1594 KB 1589 GL  
 Address PO Box 347 Pratt, KS 67124  
 Co. Rep / Geo. Bruce Reed Rig \_\_\_\_\_  
 Location: Sec. 34 Twp. 37S Rge. 12W Co. Barber State KS

Interval Tested 4806 - 4830 Zone Tested ~~Simpson~~ Simpson  
 Anchor Length 24 Drill Pipe Run 4663 Mud Wt. 9.3  
 Top Packer Depth 4801 Drill Collars Run 121 Vis 52  
 Bottom Packer Depth 4866 Wt. Pipe Run 0 WL 10.4  
 Total Depth 4830 Chlorides 5000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 30seconds, GTS in 10 minutes Gauged Gas  
ISI: 1 inch Blow Back  
FF: Strong blow, BOB + GTS immediate, Gauged Gas  
FJI: 2 inch Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>4313</u>	<u>GTP</u>				
<u>219</u>	<u>oil</u>				
<u>252</u>	<u>GMC</u>	<u>20%</u>	<u>60%</u>		<u>20%</u>
_____	Feet of _____	%gas	%oil	%water	%mud
_____	Feet of _____	%gas	%oil	%water	%mud

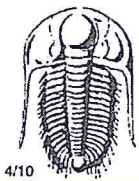
Rec Total 471 BHT 128 Gravity 29.2 API RW NIC @ NIC °F Chlorides NIC ppm  
 (A) Initial Hydrostatic 2485  Test 1150 T-On Location 19:45  
 (B) First Initial Flow 126  Jars 250 T-Started 22:02  
 (C) First Final Flow 143  Safety Joint 75 T-Open 00:18  
 (D) Initial Shut-In 1402  Circ Sub \_\_\_\_\_ T-Pulled 03:20  
 (E) Second Initial Flow 123  Hourly Standby \_\_\_\_\_ T-Out 06:05  
 (F) Second Final Flow 194  Mileage 80 74 rt 55.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 1387  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2363  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 0  
 Total 1530.50  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1530.50

Approved By Bruce Reed Our Representative \_\_\_\_\_

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57989

Well Name & No. Jazmyne 1 Test No. 3 Date 05/11/16  
 Company Charles N. Griffin Elevation 1594 KB 1589 GL  
 Address PO Box 347 Pratt, KS 67124  
 Co. Rep / Geo. Bruce Reed Rig \_\_\_\_\_  
 Location: Sec. 34 Twp. 37S Rge. 12W Co. Barber State KS

Interval Tested 4806 - 4830 Zone Tested Simpson  
 Anchor Length 24 Drill Pipe Run 4663 Mud Wt. 9.3  
 Top Packer Depth 4801 Drill Collars Run 121 Vis 52  
 Bottom Packer Depth 4806 Wt. Pipe Run 0 WL 10.4  
 Total Depth 4830 Chlorides 5000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 30 seconds, GTS in 10 minutes Gauged Gas  
ISI: Linch Blow Back  
FF: Strong blow, BOB + GTS immediate, Gauged Gas  
FBI: 2 inch Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>4313</u>	<u>GIP</u>				
<u>219</u>	<u>oil</u>				
<u>252</u>	<u>GMC</u>	<u>20%</u>	<u>60%</u>		<u>20%</u>
_____	Feet of _____	%gas	%oil	%water	%mud
_____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 471 BHT 128 Gravity 29.2 API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic <u>2485</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>19:45</u>
(B) First Initial Flow <u>126</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:02</u>
(C) First Final Flow <u>143</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:18</u>
(D) Initial Shut-In <u>1402</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>03:20</u>
(E) Second Initial Flow <u>123</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>06:05</u>
(F) Second Final Flow <u>194</u>	<input checked="" type="checkbox"/> Mileage <u>80</u> <u>55.50</u>	Comments _____
(G) Final Shut-In <u>1387</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2363</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1530.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1530.50</u>	

Approved By Bruce Reed Our Representative [Signature]

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