

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 Recompletion Date _____ 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	C G Oil, Inc.
Well Name	WIL 1
Doc ID	1479493

All Electric Logs Run

guard log
micro log
comp density/neutron log
bond log

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

No. 1568

Cell 785-324-1041

Date	8-7-19	Sec.	22	Twp.	13	Range	16	County	Ellis	State	Ks	On Location		Finish	
Lease								Location		Walker 4 N W into					
Well No. #1								Owner							
Contractor Duke #2								To Quality Oilwell Cementing, Inc.							
Type Job Long String								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size 7 7/8				T.D. 3510'				Charge To CG Oil LLC							
Csg. 5 1/2 #17				Depth 3512'				Street							
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg. —				Shoe Joint 36.60'				Cement Amount Ordered 200 SK 10% 5-1.							
Meas Line				Displace 81 1/2 #20				500 gal mud flush							
EQUIPMENT															
Pumptrk #5		No.		Cementer		Helper		Common		200					
Bulktrk		No.		Driver		Craig		Poz. Mix							
Bulktrk #15		No.		Driver		Doug		Gel.							
Bulktrk		No.		Driver				Calcium							
JOB SERVICES & REMARKS															
Remarks:				USED: 200SK 10% 5-1.				Hulls							
Rat Hole				500 gal mud flush				Salt 15							
Mouse Hole								Flowseal							
Centralizers								Kol-Seal 800#							
Baskets								Mud CLR 48 500 gal							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
* Set 5 1/2 csg @ 3510' Break				Circulation.				Sand							
* Mix 500 gal mud flush								Handling 223							
* Mix 15 sk 10% 5-1. mouse				Hole				Mileage							
* Mix 30 sk 10% 5-1. Rat Hole								FLOAT EQUIPMENT							
* Mix 15 sk 10% 5-1. 5 1/2 csg.								Flush							
* Displace 5 1/2 Latch Down				@ 81 1/2 #20 @ #1500 ps.				Guide Shoe - 1							
* Release Back Dry.								Centralizer Turbo - 5							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down - 1							
								Pumptrk Charge				prod string			
								Mileage 17							
												Tax			
												Discount			
												Total Charge			
Signature															

Handwritten signature/initials

Handwritten signature: Jerry W. Piescher

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 1486

Cell 785-324-1041

Date	8-1-19	Sec.	22	Twp.	13	Range	16	County	Ellis	State	Ks	On Location		Finish	11:30 AM
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Lease **Wil** Well No. **1** Location **Walker - 4N to Fairground Rd, 1/2 W** Owner **Stinto**

Contractor **Duke #2** Type Job **Surface** Owner **Stinto**
 To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size **12 1/4"** T.D. **1067'** Charge To **CG oil**

Csg. **8 5/8"** Depth **1067'** Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. **20'** Shoe Joint **20'** Cement Amount Ordered **425 60/40 4% CC 2% Gel**

Meas Line Displace **66 3/4 BUS**

EQUIPMENT

Pumptrk **17** No. Cementer **David** Common **255**

Bulktrk **19** No. Driver **Tim** Poz. Mix **170**

Bulktrk **p.u.** No. Driver **Rick** Gel. **9**

Calcium **18**

JOB SERVICES & REMARKS

Remarks: **Cement did Circulate** Hulls

Rat Hole Salt

Mouse Hole Flowseal

Centralizers Kol-Seal

Baskets Mud CLR 48

D/V or Port Collar CFL-117 or CD110 CAF 38

Handling **452** Sand

Mileage

FLOAT EQUIPMENT

Guide Shoe **Baffle plate**

Centralizer **Rubber plug**

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge **Long Surface**

Mileage **17**

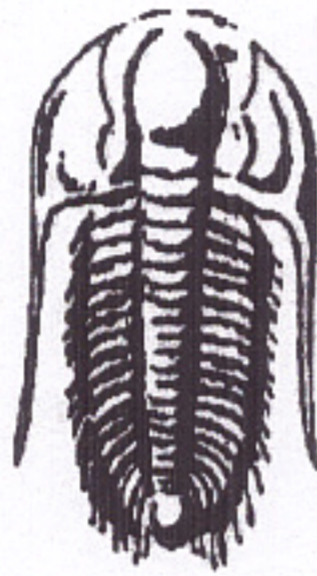
Tax

Discount

Total Charge

X Signature **Dion Vasquez**

Thanks



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil Inc**

PO Box 207
Victoria KS 6761+0207

ATTN: Roger Fisher

Wil #1

22-13S-16W Ellis,KS

Start Date: 2019.08.04 @ 18:53:00

End Date: 2019.08.05 @ 02:38:02

Job Ticket #: 65977 DST #: 1

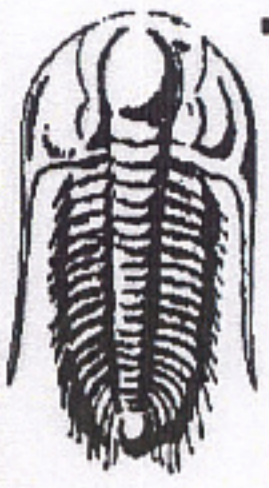
Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2019.08.07 @ 09:54:39

CG Oil Inc
22-13S-16W Ellis,KS
Wil #1
DST # 1
LKC 'A-C'
2019.08.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

CG Oil Inc
 PO Box 207
 Victoria KS 6761+0207
 ATTN: Roger Fisher

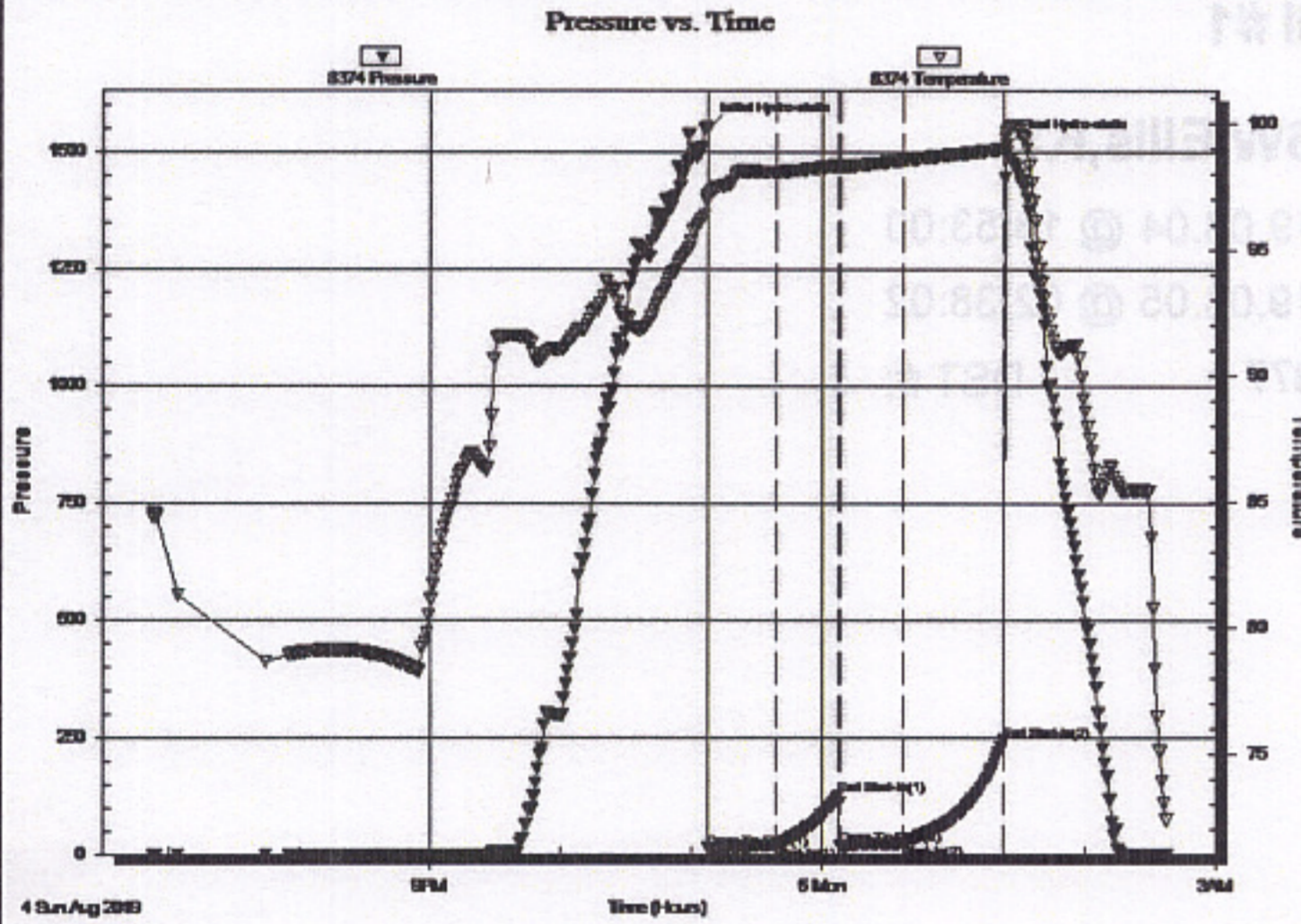
22-13S-16W Ellis, KS
Wil #1
 Job Ticket: 65977 **DST#: 1**
 Test Start: 2019.08.04 @ 18:53:00

GENERAL INFORMATION:

Formation: **LKC 'A-C'**
 Deviated: No Whipstock: ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: 23:07:17
 Tester: **Spencer J Staab**
 Time Test Ended: 02:38:02
 Unit No: **84**
 Interval: **3164.00 ft (KB) To 3210.00 ft (KB) (TVD)**
 Reference Elevations: 1947.00 ft (KB)
 Total Depth: **3210.00 ft (KB) (TVD)**
 1939.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 KB to GR/CF: **8.00 ft**

Serial #: 8374 **Inside**
 Press@RunDepth: **23.92 psig @ 3167.00 ft (KB)** Capacity: psig
 Start Date: **2019.08.04** End Date: **2019.08.05** Last Calib.: **2019.08.05**
 Start Time: **18:53:01** End Time: **02:38:02** Time On Btm: **2019.08.04 @ 23:06:47**
 Time Off Btm: **2019.08.05 @ 01:23:47**

TEST COMMENT: 30-IF-Weak; Built to 2 1/2"
 30-ISI-No Return
 30-FF-Weak; Built to 3 1/2"
 45-FSI-No Return



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1550.02	97.18	Initial Hydro-static
1	12.76	97.03	Open To Flow (1)
32	19.71	98.09	Shut-In(1)
61	126.46	98.34	End Shut-In(1)
61	18.09	98.32	Open To Flow (2)
90	23.92	98.55	Shut-In(2)
136	243.18	99.03	End Shut-In(2)
137	1514.97	99.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GVSO 7%G 3%O 90%M	0.43
0.00	30' GIP 100%G	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil Inc
 PO Box 207
 Victoria KS 6761+0207
 ATTN: Roger Fisher

22-13S-16W Ellis,KS
Wil #1
 Job Ticket: 65977 DST#: 1
 Test Start: 2019.08.04 @ 18:53:00

Tool Information

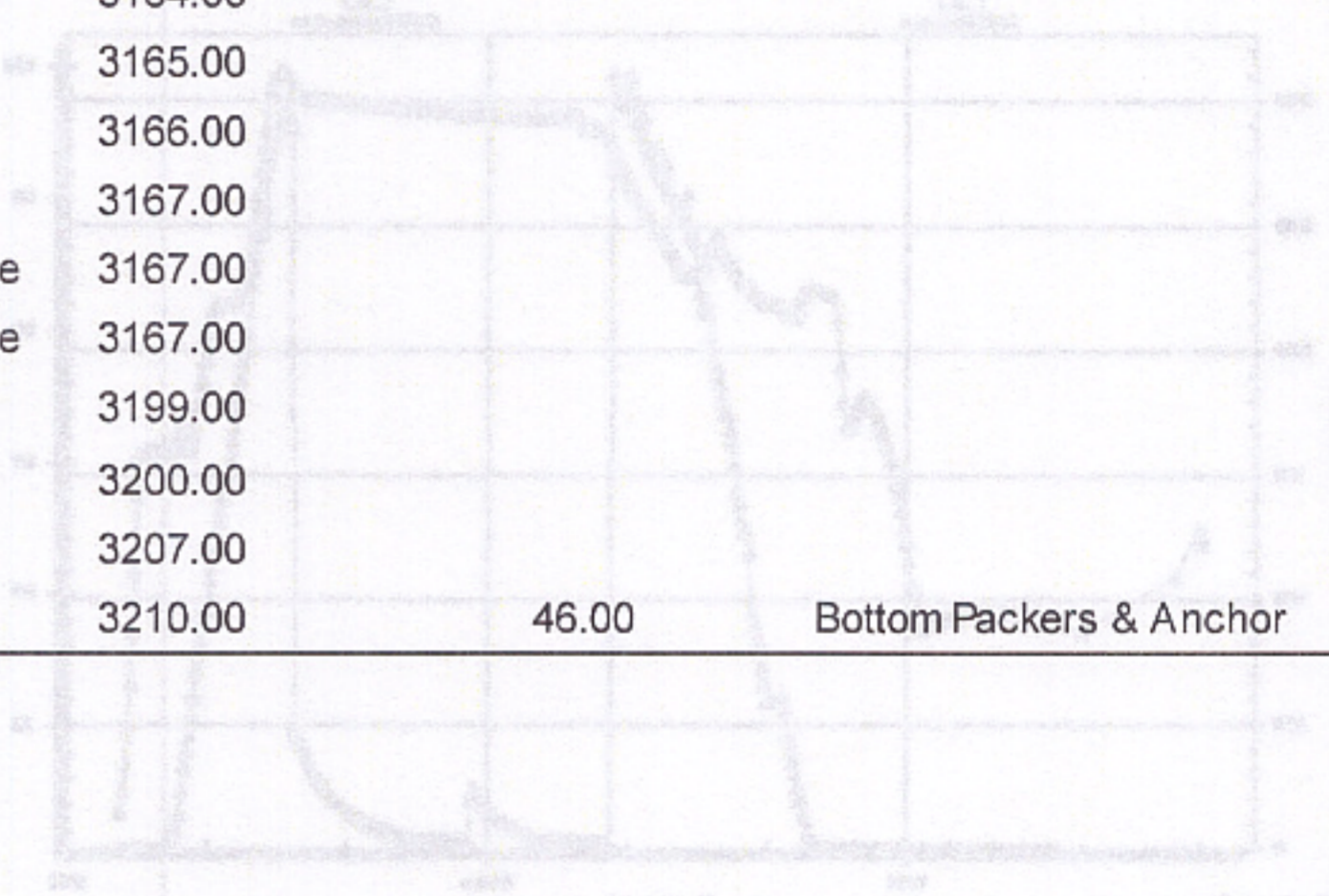
Drill Pipe:	Length: 3158.00 ft	Diameter: 3.82 inches	Volume: 44.77 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 51000.00 lb
			Total Volume: - bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3164.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

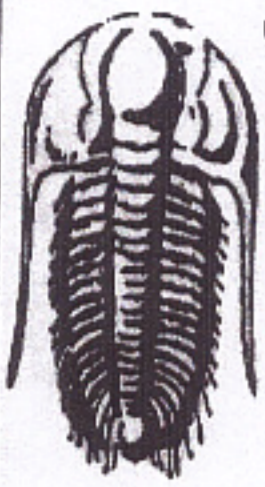
Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3144.00	
Shut In Tool	5.00			3149.00	
Hydraulic tool	5.00			3154.00	
Packer	5.00			3159.00	21.00 Bottom Of Top Packer
Packer	5.00			3164.00	
Stubb	1.00			3165.00	
Perforations	1.00			3166.00	
Change Over Sub	1.00			3167.00	
Recorder	0.00	8374	Inside	3167.00	
Recorder	0.00	8372	Inside	3167.00	
Drill Pipe	32.00			3199.00	
Change Over Sub	1.00			3200.00	
Perforations	7.00			3207.00	
Bullnose	3.00			3210.00	46.00 Bottom Packers & Anchor

Total Tool Length: 67.00





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil Inc
PO Box 207
Victoria KS 6761+0207
ATTN: Roger Fisher

22-13S-16W Ellis,KS
Wil #1
Job Ticket: 65977 **DST#: 1**
Test Start: 2019.08.04 @ 18:53:00

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 14200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	GVSOCM 7%G 3%O 90%M	0.425
0.00	30' GIP 100%G	0.000

Total Length: 30.00 ft Total Volume: 0.425 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM

Serial #: 8374

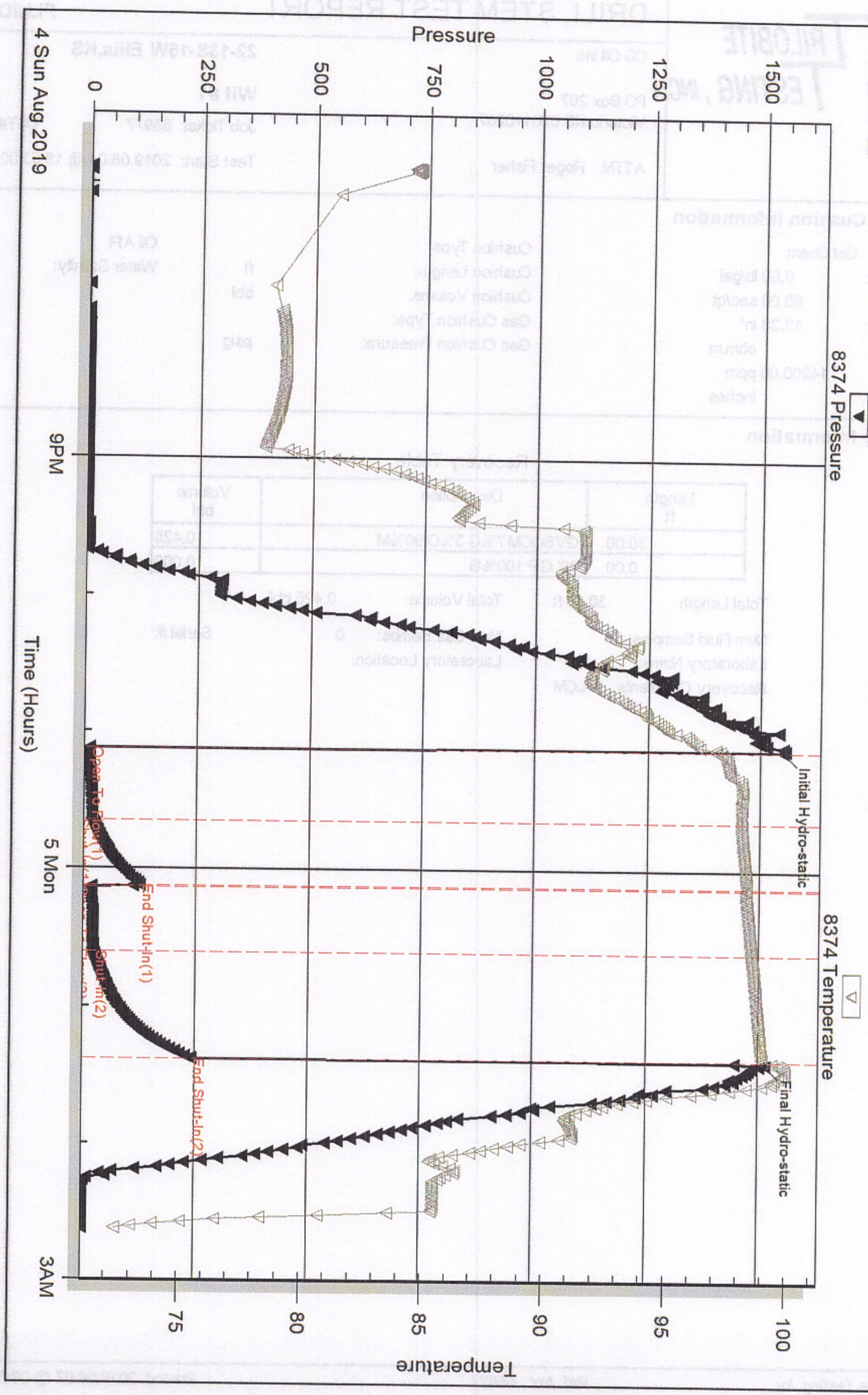
Inside

CG Oil Inc

Well #1

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 65977

Printed: 2019.08.07 @ 09:54:41

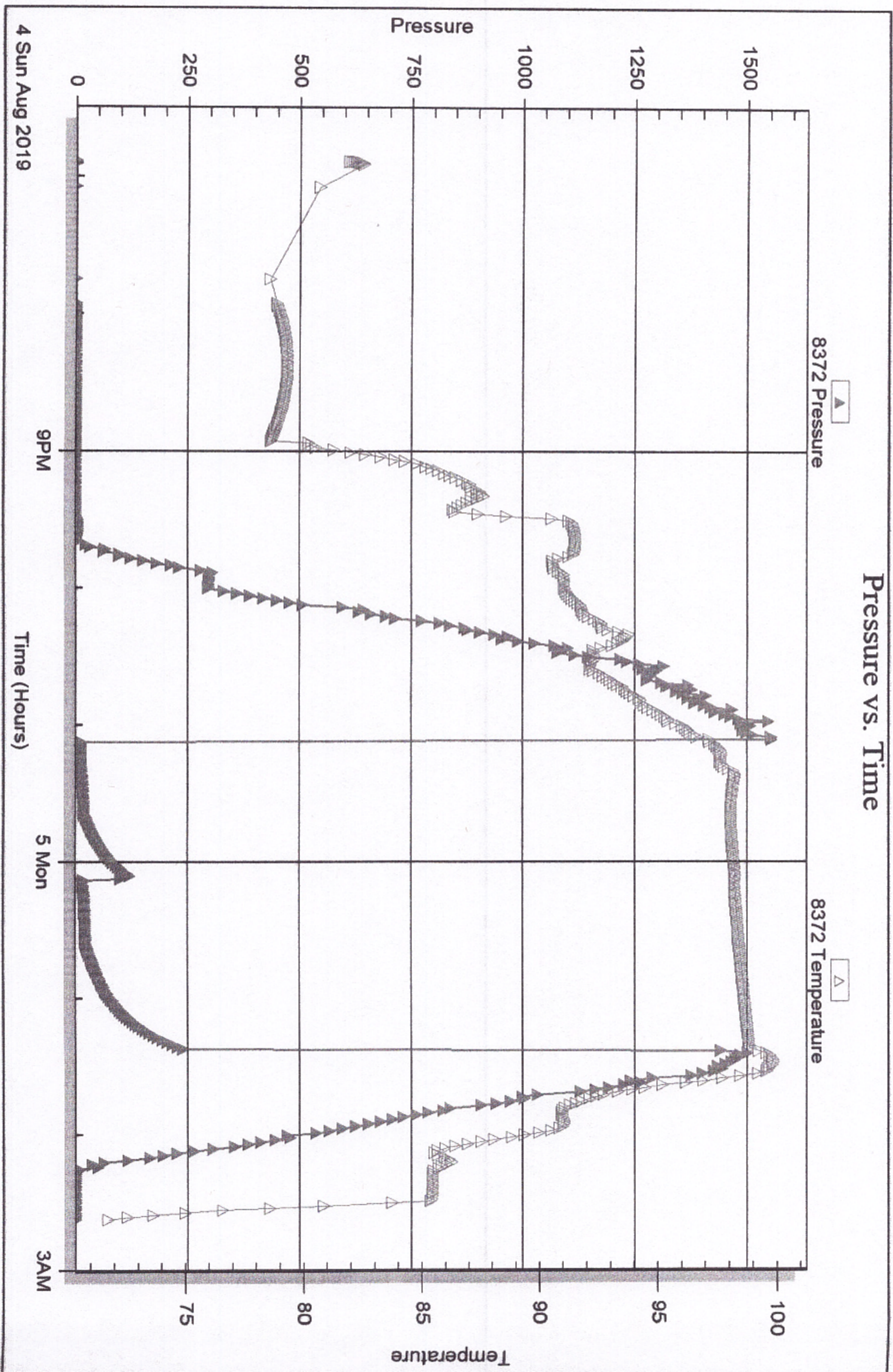
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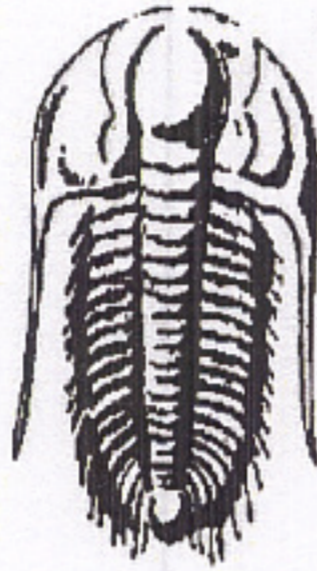
Inside

CG Oil Inc

Well #1

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil Inc**

PO Box 207
Victoria KS 6761+0207

ATTN: Roger Fisher

Wil #1

22-13S-16W Ellis,KS

Start Date: 2019.08.05 @ 10:06:00

End Date: 2019.08.05 @ 14:45:17

Job Ticket #: 65978 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2019.08.07 @ 09:54:11

CG Oil Inc 22-13S-16W Ellis,KS Wil #1 DST # 2 LKC 'D-F' 2019.08.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

CG Oil Inc
PO Box 207
Victoria KS 6761+0207
ATTN: Roger Fisher

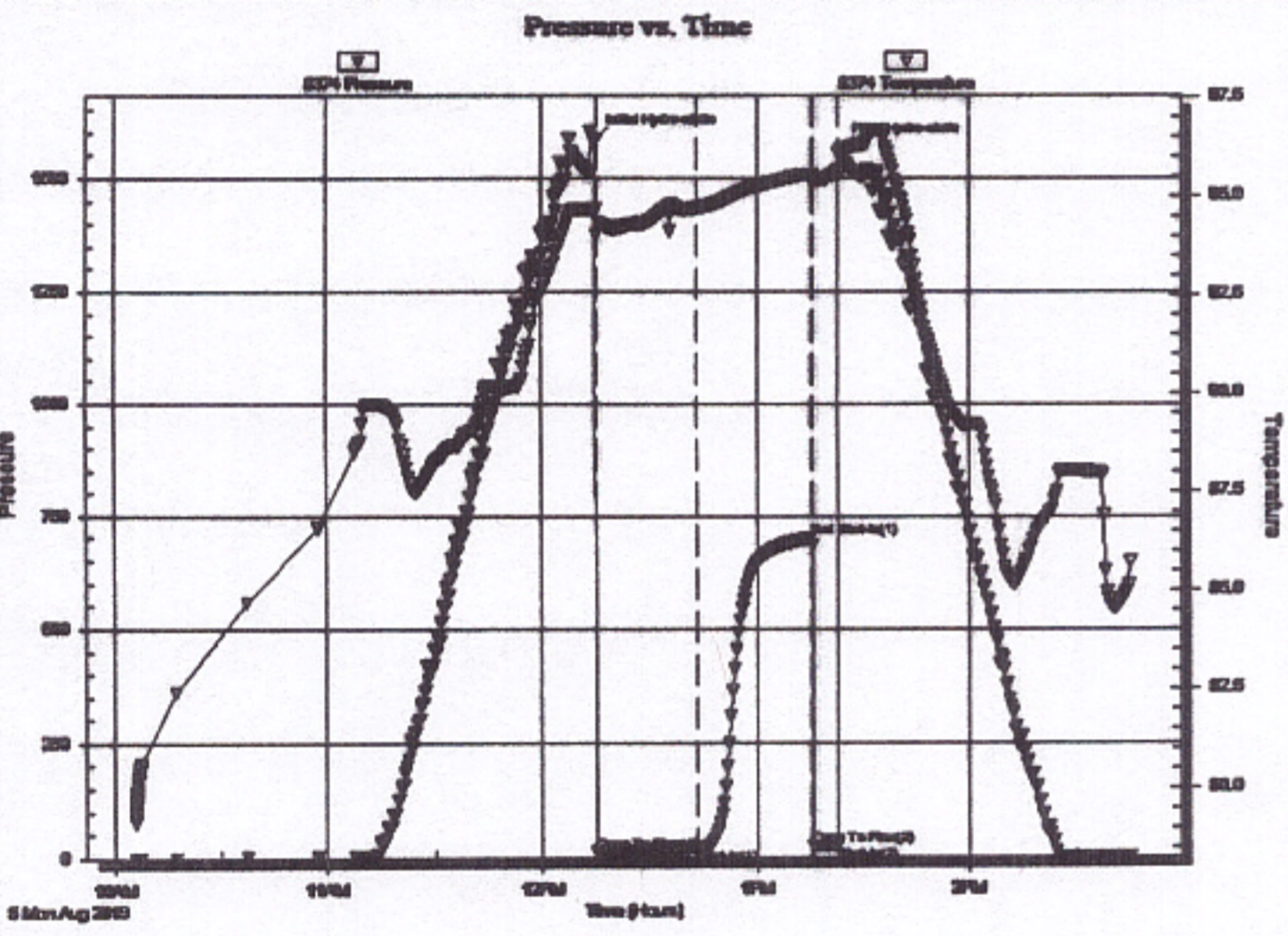
22-13S-16W Ellis, KS
Wil #1
Job Ticket: 65978 **DST#: 2**
Test Start: 2019.08.05 @ 10:06:00

GENERAL INFORMATION:

Formation: **LKC 'D-F'**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **12:15:17**
Time Test Ended: **14:45:17**
Interval: **3216.00 ft (KB) To 3265.00 ft (KB) (TVD)**
Total Depth: **3265.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Spencer J Staab**
Unit No: **84**
Reference Elevations: **1947.00 ft (KB)**
1939.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8374 **Inside**
Press@RunDepth: **20.49 psig @ 3219.00 ft (KB)** Capacity: **psig**
Start Date: **2019.08.05** End Date: **2019.08.05** Last Calib.: **2019.08.05**
Start Time: **10:06:01** End Time: **14:45:17** Time On Btm: **2019.08.05 @ 12:15:02**
Time Off Btm: **2019.08.05 @ 13:23:47**

TEST COMMENT: 30-IF-Weak; Built to 1"; Flushed, no help
30-ISI-No Return
15-FF-No Blow; Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.78	94.66	Initial Hydro-static
1	12.15	94.04	Open To Flow (1)
21	16.51	94.75	Flush Tool
29	20.49	94.72	Shut-In(1)
61	702.18	95.56	End Shut-In(1)
61	22.78	95.32	Open To Flow (2)
68	24.42	95.65	Shut-In(2)
69	1564.84	96.07	Final Hydro-static

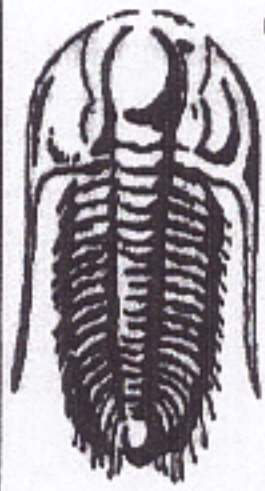
Recovery

Length (ft)	Description	Volume (bbl)
25.00	OSM 100%M	0.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil Inc
PO Box 207
Victoria KS 6761+0207
ATTN: Roger Fisher

22-13S-16W Ellis,KS
Wil #1
Job Ticket: 65978 **DST#: 2**
Test Start: 2019.08.05 @ 10:06:00

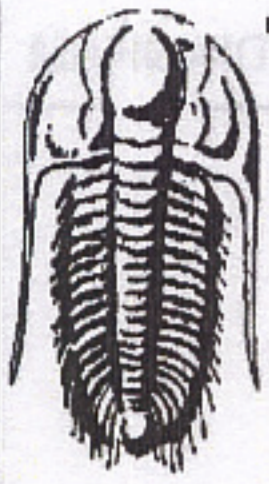
Tool Information

Drill Pipe:	Length: 3221.00 ft	Diameter: 3.82 inches	Volume: 45.66 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3216.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3196.00	
Shut In Tool	5.00			3201.00	
Hydraulic tool	5.00			3206.00	
Packer	5.00			3211.00	21.00 Bottom Of Top Packer
Packer	5.00			3216.00	
Stubb	1.00			3217.00	
Perforations	1.00			3218.00	
Change Over Sub	1.00			3219.00	
Recorder	0.00	8374	Inside	3219.00	
Recorder	0.00	8372	Inside	3219.00	
Drill Pipe	32.00			3251.00	
Change Over Sub	1.00			3252.00	
Perforations	10.00			3262.00	
Bullnose	3.00			3265.00	49.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil Inc
PO Box 207
Victoria KS 6761+0207
ATTN: Roger Fisher

22-13S-16W Ellis,KS
Wil #1
Job Ticket: 65978 DST#: 2
Test Start: 2019.08.05 @ 10:06:00

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 14000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	OSM 100%M	0.354

Total Length: 25.00 ft Total Volume: 0.354 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2#LCM

Serial #: 8374

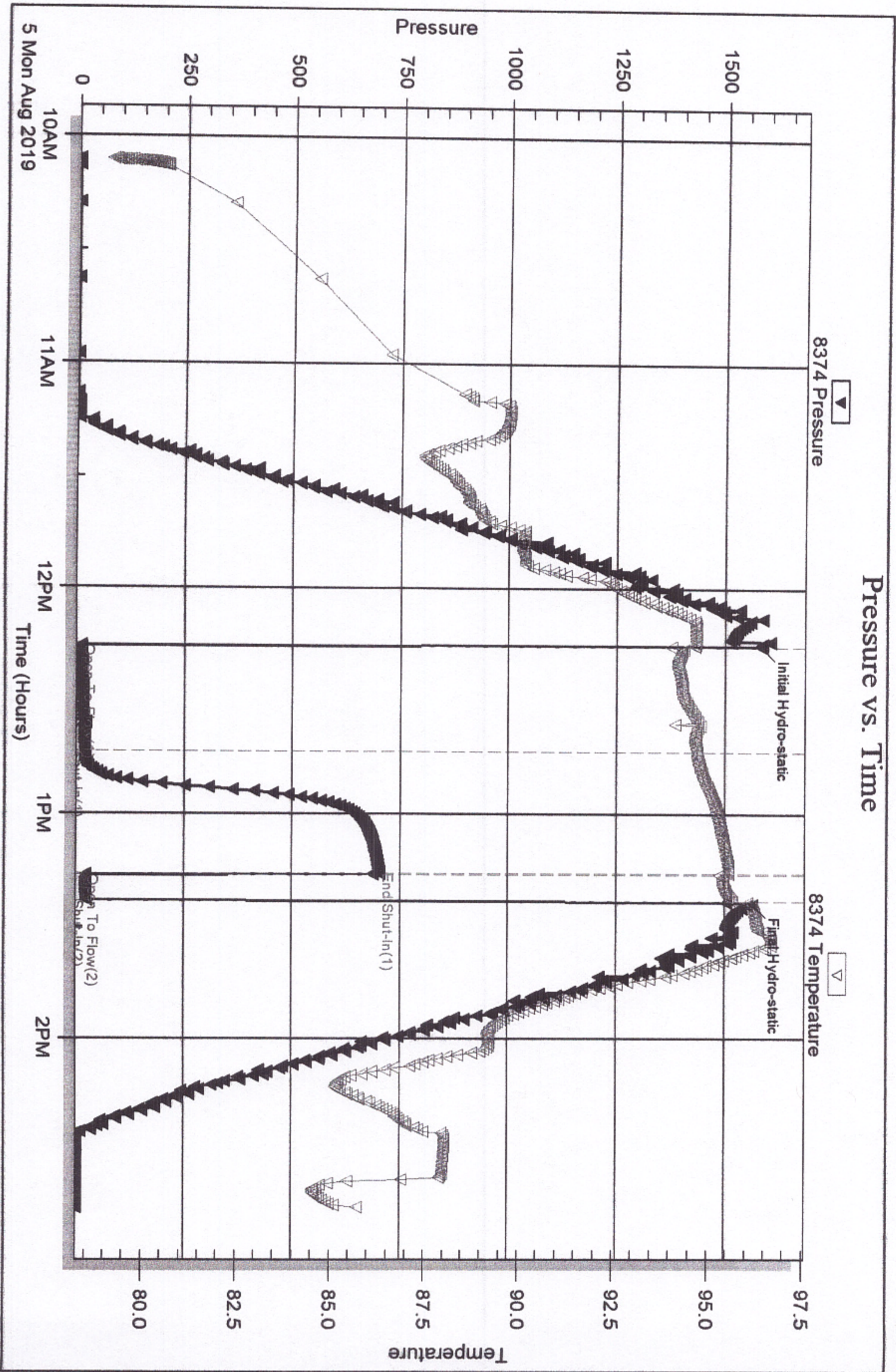
Inside

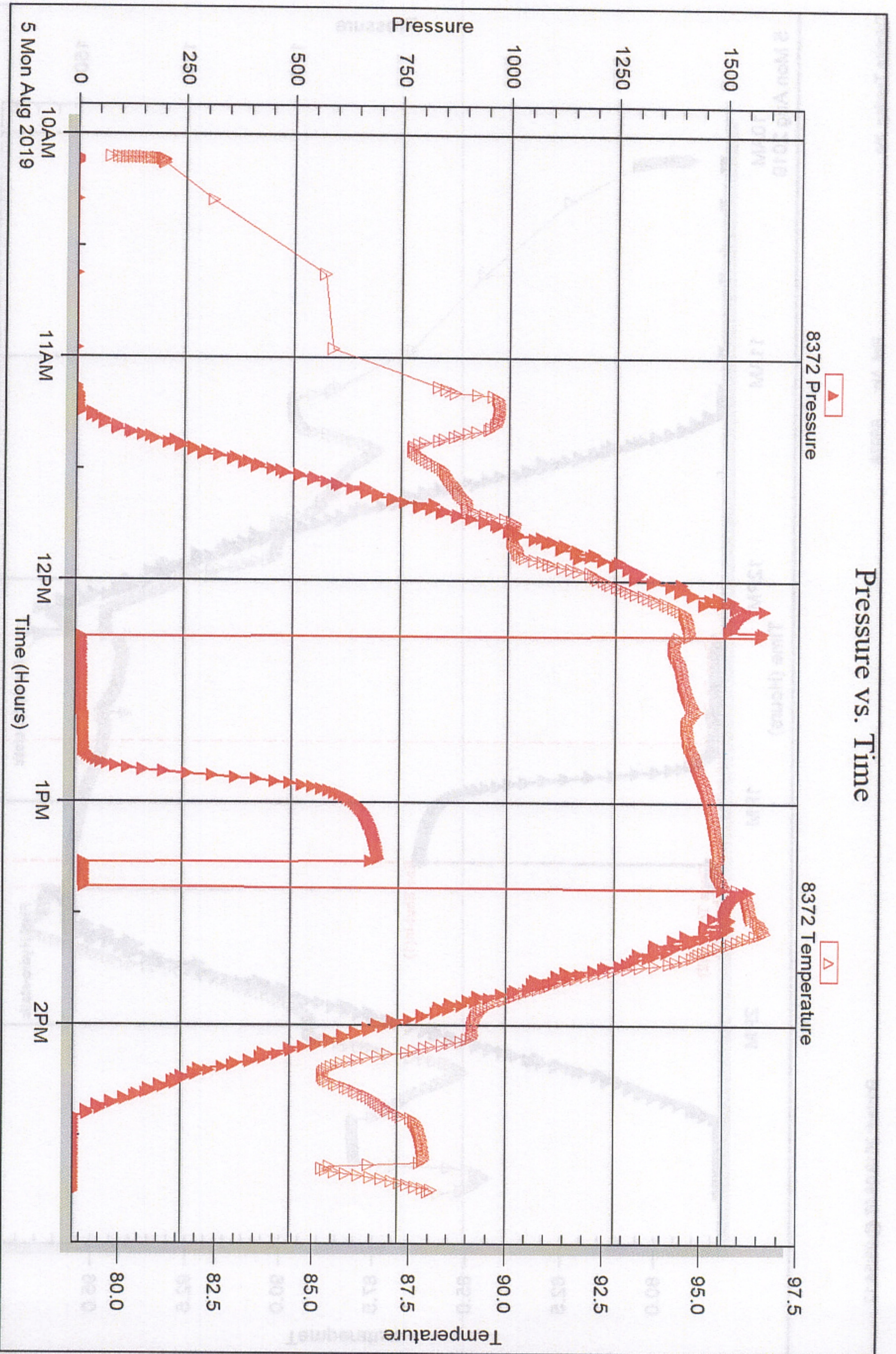
CG Oil Inc

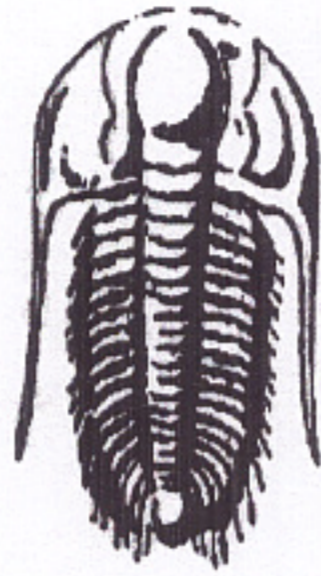
Well #1

DST Test Number: 2

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil Inc**

PO Box 207
Victoria KS 6761+0207

ATTN: Roger Fisher

Wil #1

22-13S-16W Ellis,KS

Start Date: 2019.08.06 @ 02:13:00

End Date: 2019.08.06 @ 06:54:17

Job Ticket #: 65979 DST #: 3

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

Printed: 2019.08.07 @ 09:51:26

CG Oil Inc 22-13S-16W Ellis,KS Wil #1 DST # 3 LKC 'H-J' 2019.08.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CG Oil Inc
PO Box 207
Victoria KS 6761+0207
ATTN: Roger Fisher

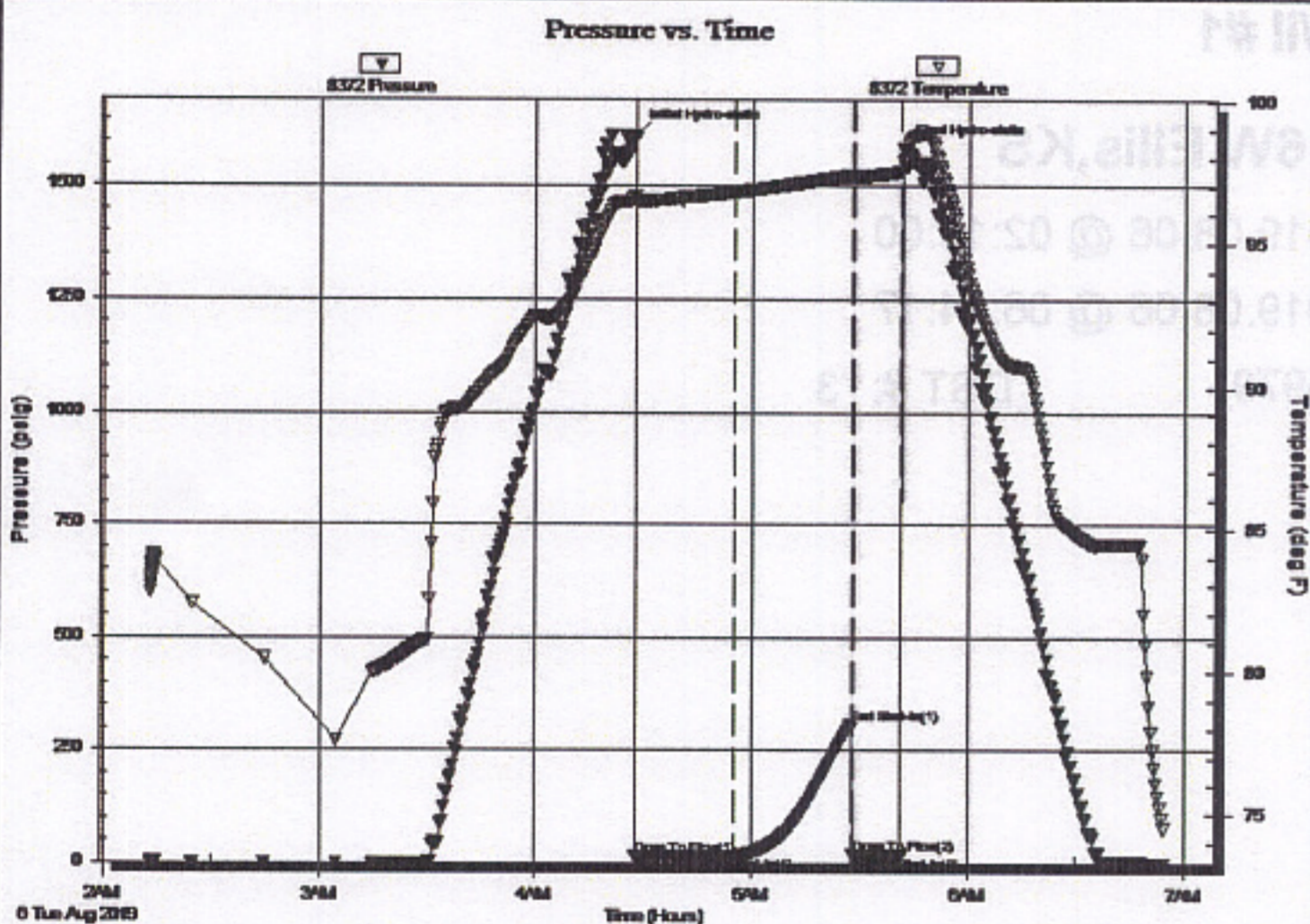
22-13S-16W Ellis,KS
Wil #1
Job Ticket: 65979 DST#: 3
Test Start: 2019.08.06 @ 02:13:00

GENERAL INFORMATION:

Formation: **LKC 'H-J'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:27:47
Time Test Ended: 06:54:17
Interval: **3292.00 ft (KB) To 3370.00 ft (KB) (TVD)**
Total Depth: **3370.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 1947.00 ft (KB)
1939.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 Inside
Press@RunDepth: 16.05 psig @ 3295.00 ft (KB) Capacity: psig
Start Date: 2019.08.06 End Date: 2019.08.06 Last Calib.: 2019.08.06
Start Time: 02:13:01 End Time: 06:54:17 Time On Btm: 2019.08.06 @ 04:27:32
Time Off Btm: 2019.08.06 @ 05:41:47

TEST COMMENT: 30-IF-Weak; Built to 1/2"; Flushed No Help
30-IS-No Return
15-FF-No Blow; Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1614.19	96.66	Initial Hydro-static
1	13.84	96.47	Open To Flow (1)
13	15.20	96.61	Flushed Tool
28	16.05	96.81	Shut-In(1)
60	305.66	97.38	End Shut-In(1)
61	17.37	97.37	Open To Flow (2)
74	17.10	97.54	Shut-In(2)
75	1582.96	97.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil Inc
 PO Box 207
 Victoria KS 6761+0207
 ATTN: Roger Fisher

22-13S-16W Ellis,KS
Wil #1
 Job Ticket: 65979 **DST#: 3**
 Test Start: 2019.08.06 @ 02:13:00

Tool Information

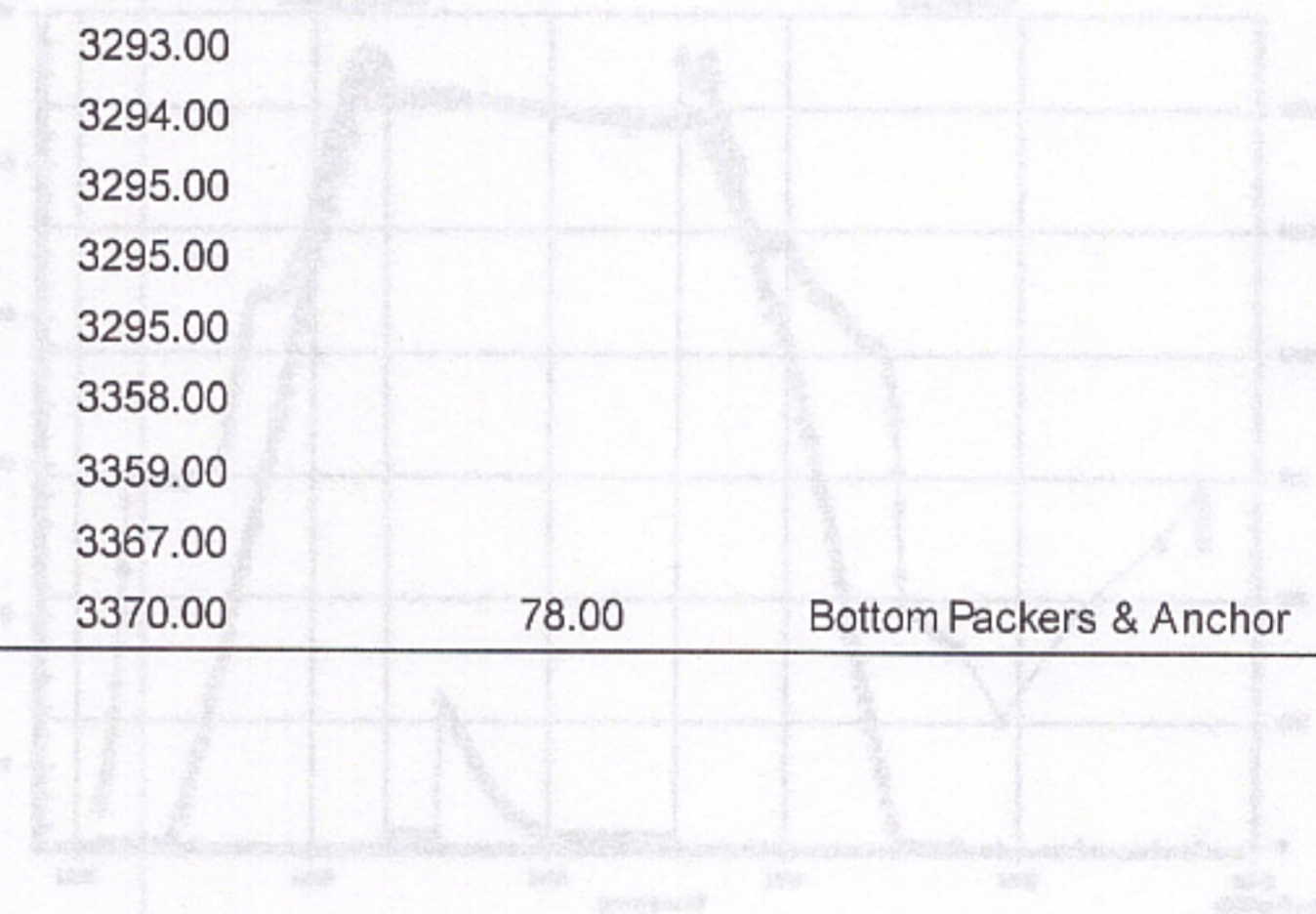
Drill Pipe:	Length: 3284.00 ft	Diameter: 3.82 inches	Volume: 46.55 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: - bbl	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3292.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

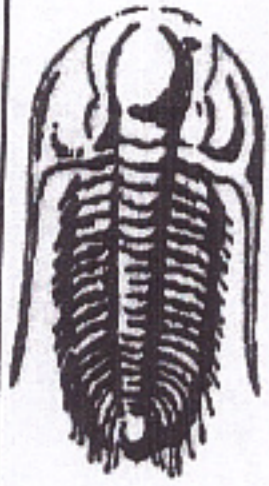
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3272.00	
Shut In Tool	5.00			3277.00	
Hydraulic tool	5.00			3282.00	
Packer	5.00			3287.00	21.00 Bottom Of Top Packer
Packer	5.00			3292.00	
Stubb	1.00			3293.00	
Perforations	1.00			3294.00	
Change Over Sub	1.00			3295.00	
Recorder	0.00	8374	Inside	3295.00	
Recorder	0.00	8372	Inside	3295.00	
Drill Pipe	63.00			3358.00	
Change Over Sub	1.00			3359.00	
Perforations	8.00			3367.00	
Bullnose	3.00			3370.00	78.00 Bottom Packers & Anchor

Total Tool Length: 99.00



Gas Rates	Pressure (psi)	Flow Rate (gpm)

Volume (bbl)	Description	Length (ft)
0.14	OSM 100MM	10.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil Inc
PO Box 207
Victoria KS 6761+0207
ATTN: Roger Fisher

22-13S-16W Ellis,KS
Wil #1
Job Ticket: 65979 **DST#: 3**
Test Start: 2019.08.06 @ 02:13:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume:		
Water Loss: 12.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure:		
Salinity: 14000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100%M	0.142

Total Length: 10.00 ft Total Volume: 0.142 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 2#LCM

Serial #: 8372

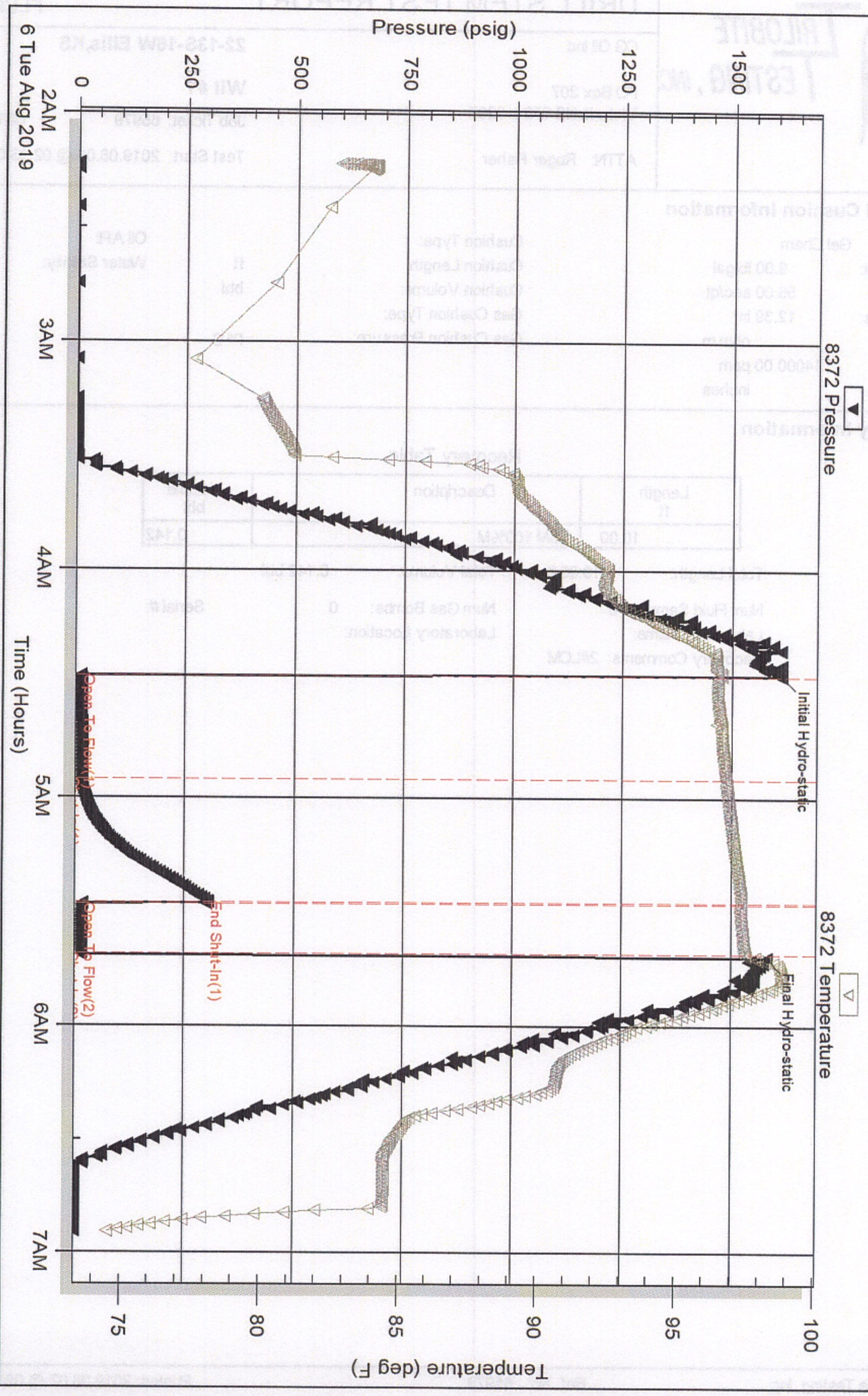
Inside

CG Oil Inc

Well #1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 65979

Printed: 2019.08.07 @ 09:51:29

Serial #: 8374

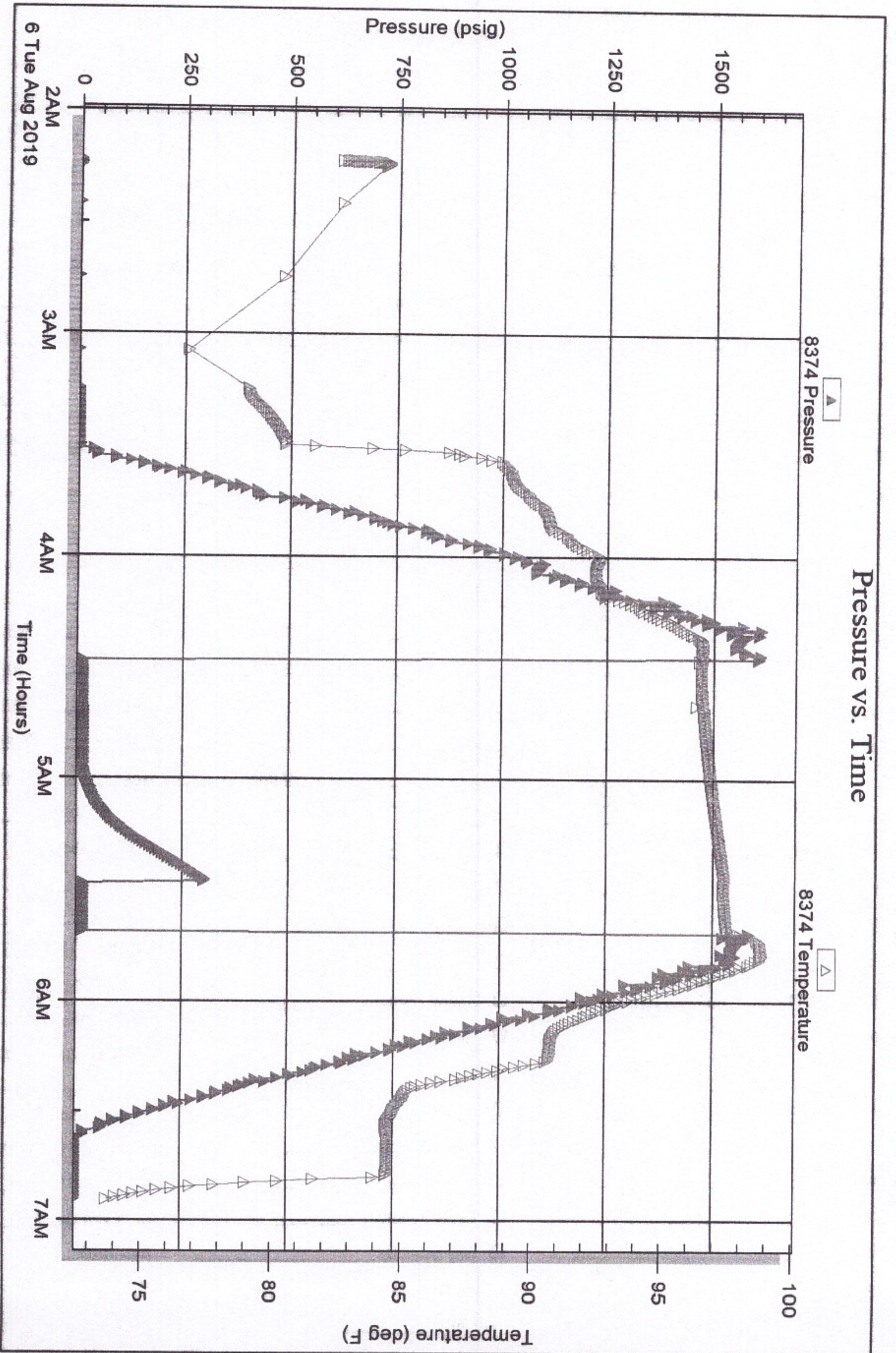
Inside

CG Oil Inc

Well #1

DST Test Number: 3

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket , 65977

NO.

Well Name & No. Wil #1 Test No. 1 Date 08/04/2019
 Company C J Oil Inc Elevation 1947 KB 1939 GL
 Address 2550 Airbase Rd PO BOX 207 Victoria Ks 67671 +0207
 Co. Rep / Geo. Roger Fisher Rig Duke #2
 Location: Sec. _____ Twp 13s Rge. 16w Co. Ellis State Ks

Interval Tested 3164' - 3210' Zone Tested Lans 'A-C'
 Anchor Length 46' Drill Pipe Run 3158' Mud Wt. 8.8
 Top Packer Depth 3159' Drill Collars Run - Vls 60
 Bottom Packer Depth 3164' Wt. Pipe Run - WL 12.4
 Total Depth 3210' Chlorides 14,200 ppm System LCM ~~11500~~ 2H

Blow Description 77-Weak, Built to 2 1/2"
75A No Return
77-Weak Built to 3 1/2"
75A No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>GUSOEM</u>	<u>7</u>	<u>3</u>	<u>90</u>	
	<u>30' GTP</u>				

Rec Total 30' BHT 99° Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1550 Test 1200 T-On Location 18:17
 (B) First Initial Flow 12 Jars _____ T-Started 18:53
 (C) First Final Flow 19 Safety Joint _____ T-Open 23:03
 (D) Initial Shut-In 126 Circ Sub _____ T-Pulled 01:18 08/05/2019
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 02:35
 (F) Second Final Flow 23 Mileage 3027 30 Comments hole was bad,
 (G) Final Shut-In 243 Sampler _____ extra short trip
 (H) Final Hydrostatic 1514 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 30 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 30 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 45 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1230
 Sub Total 1230 MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. Stahl Thanks!

Triobite 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.

785-259-0056



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65978

NO.

Well Name & No. Wil #1 Test No. 2 Date 08/05/2019
 Company C J Oil Inc Elevation 1947 KB 1939 GL
 Address 2550 Airbase Rd PO BOX 207 Victoria KS 67671-0207
 Co. Rep / Geo. Roger Fisher Rig Duke #2
 Location: Sec. 22 Twp 134 Rge. 16W Co. Ellis State KS

Interval Tested 3216 - 3265' Zone Tested Lens 20-7'
 Anchor Length 49' Drill Pipe Run 3221' Mud Wt. 8.8
 Top Packer Depth 3211' Drill Collars Run - Vls 56
 Bottom Packer Depth 3216' Wt. Pipe Run - WL 12.4
 Total Depth 3265' Chlorides 14000 ppm System LCM 2#

Blow Description 27- Weak; Built to 1"; Flush no help
2SD - No Return
77- No Blow; Pulled tool
7SD - - -

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>OSM</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 25' BHT 9.5° Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1583 Test 1200 T-On Location 09:47
 (B) First Initial Flow 12 Jars - T-Started 10:06
 (C) First Final Flow 20 Safety Joint - T-Open 12:12
 (D) Initial Shut-In 702 Circ Sub - T-Pulled 13:27
 (E) Second Initial Flow 22 Hourly Standby - T-Out 14:44
 (F) Second Final Flow 24 Mileage 3014 30 Comments -
 (G) Final Shut-In - Sampler -
 (H) Final Hydrostatic 1564 Straddle -
 Shale Packer -
 Extra Packer -
 Extra Recorder -
 Day Standby -
 Accessibility -

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

Sub Total 1230 MP/DST Disc't -
 Sub Total 1230 Total 1230

Approved By _____ Our Representative Spencer J. Paul Thanks!
 Triobite 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.
 785-259-0056



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65979

NO.

Well Name & No. Wil #1 Test No. 3 Date 08/06/2019
 Company C J Oil Inc Elevation 1947 KB 1939 GL
 Address 8550 Airbase Rd PO Box 207 Victoria KS 67671+0207
 Co. Rep / Geo. Roger Fisher Rig Duke #2
 Location: Sec. 22 Twp 134 Rge. 16W Co. Ellis State Ks

Interval Tested 3292' - 3370' Zone Tested Lans 'H-J'
 Anchor Length 78' Drill Pipe Run 3284' Mud Wt. 8.8
 Top Packer Depth 3287' Drill Collars Run - Vis 56
 Bottom Packer Depth 3292' Wt. Pipe Run - WL 12.4
 Total Depth 3370' Chlorides 14000 ppm System LCM 2#

Blow Description 77- Weak; Built to 1/2"; Flushed no help
78- No Return
79- No Blow; Pulled tool
78- - -

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>OSM</u>			<u>100</u>	

Rec Total 10' BHT 97° Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1614 Test 1200 T-On Location 01:57
 (B) First Initial Flow 13 Jars - T-Started 02:13
 (C) First Final Flow 16 Safety Joint - T-Open 04:25
 (D) Initial Shut-In 305 Circ Sub - T-Pulled 05:40
 (E) Second Initial Flow 17 Hourly Standby - T-Out 06:53
 (F) Second Final Flow 17 Mileage 30722 60 Comments Loaded @ 16:00
 (G) Final Shut-In - Sampler - 08/06/2019
 (H) Final Hydrostatic 1582 Straddle -

Initial Open 30 Shale Packer - EM Tool -
 Initial Shut-In 30 Extra Packer - Ruined Shale Packer -
 Final Flow 15 ↑ Extra Recorder - Ruined Packer -
 Final Shut-In - Day Standby - Sub Total 0
 Accessibility - Total 1260
 Sub Total 1260 MP/DST Disc't -

Approved By _____ Our Representative Spencer J. Neal Thanks!

Tribolite 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.
 785-259-0036

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 346-337-6211
<http://kcc.ks.gov/>

Dwight D. Keen, Chair
Shari Feist Albrecht, Commissioner
Susan K. Duffy, Commissioner

Laura Kelly, Governor

January 10, 2020

Ron Schmidtberger
C G Oil, Inc.
2550 AIRBASE RD
PO BOX 207
VICTORIA, KS 67671-0207

Re: ACO-1
API 15-051-26964-00-00
WIL 1
NE/4 Sec.22-13S-16W
Ellis County, Kansas

Dear Ron Schmidtberger:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/31/2019 and the ACO-1 was received on January 09, 2020 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

CONTRACT NO. 2024
 REPORT

CC Oil Co., LLC
 Well # 2

SW-SW-NE/4

SEC 22 T13S R16W

COUNTY Ellis STATE KANSAS

CONTRACTOR Duke Rig # 2

SPUD 7-31-19 COMP 8-7-19

RTD 351D LTD 3506

MUD UP 2800 TYPE MUD Chem

SAMPLES SAVED FROM 2900

DRILLING TIME KEPT FROM 2850

SAMPLES EXAMINED FROM 2900

GEOLOGICAL SUPERVISION FROM 2850

GEOLOGIST ON WELL Roger L. Fisher

ELEVATIONS

KB 1947

DF 1945

GL 1939

Measurements Are All From KB

CASING SURFACE 8 5/8" @ 1067' PRODUCTION 351D @ 5 1/2"

ELECTRICAL SURVEYS CDLICNL DILMEL RAY

TO RTD

TO RTD

TO RTD

TO RTD

FORMATION TOPS LOG SAMPLES

Ash	1055	+892
B/Ash	1094	+853
Topsoil	2909	-962
H6	3131	-1184
Loam	3178	-1231
BK	3414	-1467
Arbuokle	3488	-1541

22°

REMARKS Pipe was run to Further Test

[Signature]

LEGEND

Sandstone	Shale	Chert	Dolomite	Limestone	Coal/Limst.	Soft	Argillite

LITHOLOGY

DEPTH

DRILLING TIME
(Logarithmic Scale)

SAMPLE DESCRIPTIONS

REMARKS

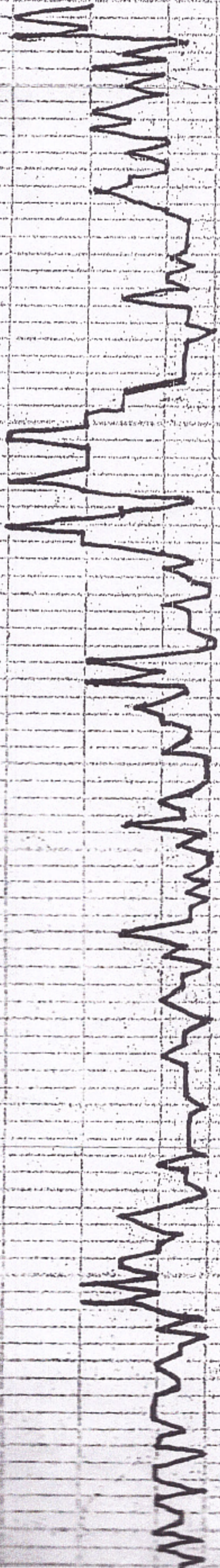
5 1 2 3 4 5 10 15 20 30

2900

Topeka
2908 - 961

50

3000



Sh VC

Ls crm fxln ool
sli chalky sli chA
FØ inool Trace dk
Residue NFD No Odor
Ls tan vfxln dense
N.S.

Ls lt tan fxln
chalky to dense N.S.

Ls gy fxln sli foss
chalky N.S.

Ls lt gy to dk fxln
foss dense N.S.

Ls crm tan vfxln dense
chA sli Foss sh gy dk
gy gn

Ls dk gy vfxln dense
N.S.

sh lt gn
Ls wh vfxln chalky
N.S.

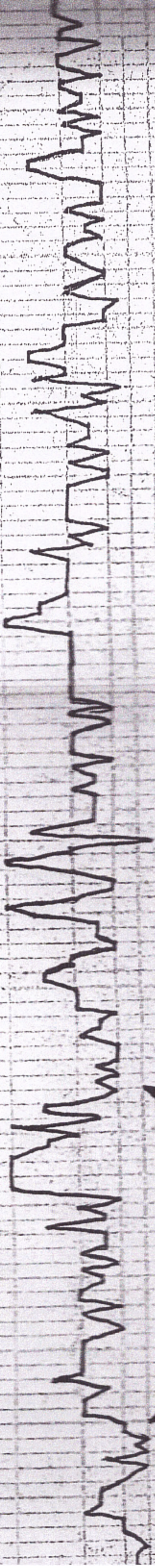
Ls wh vfxln chA N.S.

50

3100

50

3200



Hb Shale
3130 - 1183

Toronto
3149 - 1202

Lansing
3178 - 1231

Ls wh vfxln chA N.S.

Ls tan f-mxln foss
dense N.S.

Ls lt gy fxlh foss
chalky N.S.

Ls lt gy vfxln sli foss
dense N.S.

Ls lt gy wh vfxln
chalky N.S.

Ls wh fxlh ool chalky
TR SPD ST V Faint odor

Ls crm fxlh ool
sli ool moldic N.S.

Ls tan vfxln dense N.S.

sh Black
Ls dk gy vfxln dense chA
sli foss
sh VC

Ls wh crm fxlh
chalky Foss poor
sli chA N.S. VSSFO
LAFc

Ls wh fxlh ool sear
vngs sat stain FSSFO Fair
odor

Ls crm fxlh ool Fint
ool Ø FSSFO Sat ST

Ls lt tan sli foss fxlh
poor pin pt Ø VSS GFO

DST #1
3164-3210
30-30-30-45
Weak Blow to 3 1/2"
Rec 30' 6IP
30' 6VSOcm
3% Oil
7% Gas
90% mud
BHP 126-243
IF 12-19
FF 18-23

DST #2

Scott MTD Stein 3-16-65

Ls lt tan vfxln dense N.S. 30-30
1' Blow Flushed
ool & SAT ST FSFO F Odor Rec 25' OSM
Tool
BHP 702
IF 12-20

Ls wh fxln ool ch & very
vuggy Fsptd to SAT ST
FSFO F Odor

Ls wh vfxln chalky
sli sptd ST NFO No odor

Ls wh crm vfxln chalky
to dense N.S.

Sh Black
sh gy lt to dkgn rdbn

Ls crm lt gy vfxln sli
chalky ch vugs p p:pt &
mostly dense p & v sli SFO
sli sptd ST F Odor DST # 3
3292-3370
30-30-15

Ls Wh sli ch & spry F
intxln & stain SSFO Fair Odor Rec. 10' OSMud
Few vugs BHP 305
IF 13-16
FK 17-17

Ls wh fxln foss ool
Fintxln & sli dol Fxln
Sprd to SAT ST FSFO gd
odor
Sh blk lt to dk gy gn
maroon

Ls lt gy vfxln sli
foss dense N.S.
Ls dk tan vfxln dense
N.S.

Ls wh lt gy tan vfxln
dense N.S.

sh vc
Ls tan f-mxln dense
sh red gn gy bright gn sh

cha orange yellow red ool-Fresh
clear loose sd gns Ls wh
vfxln dense Few clusters sd

50

3300

50

BKC

3413-1466

Chk drab yellow red
clear loose sd gns Ls wh
vtrln dense Few clusters sd

Loose sd grains VF-M
Few clusters N-S Ls + cha
As Above

Loose sd cha As
Above Ls wh lt gy
vtrln dense poor N-S
sh bright on gy
red-bn

Abuckle
3486-1539

Dol wh sandy Friable
Fint xln BIK Res
VFD or Odor

Dol wh F-maxln
Fint xln BIK Res
Odor VSD

Dol wh Tan xln N-S

RTD 3510
-1553

3500

