

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Summary of Changes

Lease Name and Number: WALKER 2

API/Permit #: 15-051-26881-00-00

Doc ID: 1372493

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	10/16/2017	11/06/2017
Date of First or Resumed Production or SWD or Enhr		7/28/2017
Method Of Completion - Perf	No	Yes
Perf_acid1		none
Perf_bridgeplug1depth		3200
Perf_bridgeplug1type		retrievable
Perf_perf1bottom		3161
Perf_perf1top		3159
Perf_shots1		2
Producing Method Pumping	No	Yes

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production Interval #1		3159
Production Interval #3		3369

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 181

Date	6-8-17	Sec.	34	Twp.	13	Range	16	County	Ellis	State	Ks	On Location		Finish	12:10 PM
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Location Walker-3/4 N W/S

Lease	Walker	Well No.	2	Owner	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.
Contractor	Southwind		3	Charge To	C+G oil
Type Job	Longstring	T.D.	3520'	Street	
Hole Size	7 7/8"	Depth	3515'	City	State
Csg.	5 1/2" New 15.50	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered 180 Q Pro C 10% Salt 5%	
Tool		Depth		Cement Left in Csg. Shoe Joint	
Meas Line		Displace	82 3/4 BLS	Gilsonite - 500 gal mud Clear 48	

EQUIPMENT				Common
Pumptrk	16	No.	Cementer	Poz. Mix
			Helper	
Bulktrk	3	No.	Driver	Gel.
			Driver	
Bulktrk	p.u.	No.	Driver	Calcium
			Driver	

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers	1, 3, 5, 6, 9, 10	Mud CLR 48
Baskets	pipe on bottom break Circulation	CFL-117 or CD110 CAF 38
D/V or Port Collar	pump 500 gal mud Clear 48	Sand
plug Rathole	wd 205x Hook to 5 1/2"	Handling
Casing + mix	150sx Cement, shut	Mileage
down	wash pump + lines Displaced	
plug w/	BLS Released + hold	

FLOAT EQUIPMENT	
Lift pressure	750 #
Land plug	to 1500 #
Guide Shoe	
Centralizer	6
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	
Mileage	

X Signature	Terry W. Piesker	Tax	
		Discount	
		Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 247

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-2-17	34	13	16	Ellis	KS		9:00 PM
Location				Walker 1 1/4 Winto			

Lease	Walker	Well No.	2	Owner	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.
Contractor	Southwest #3				
Type Job	Surface				
Hole Size	17 1/4	T.D.	1064	Charge To	C 601
Csg.	8 5/8	Depth	1063	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.	40'	Shoe Joint	40'	Cement Amount Ordered	380 bbl/40 4/66 2/67
Meas Line		Displace	652L		

EQUIPMENT

Pumptrk	No. 20	Cementer	Co's	Common
		Helper		Poz. Mix
Bulktrk	No. 21	Driver	Rex	Gel.
		Driver		Calcium
Bulktrk	No.	Driver	Saden	

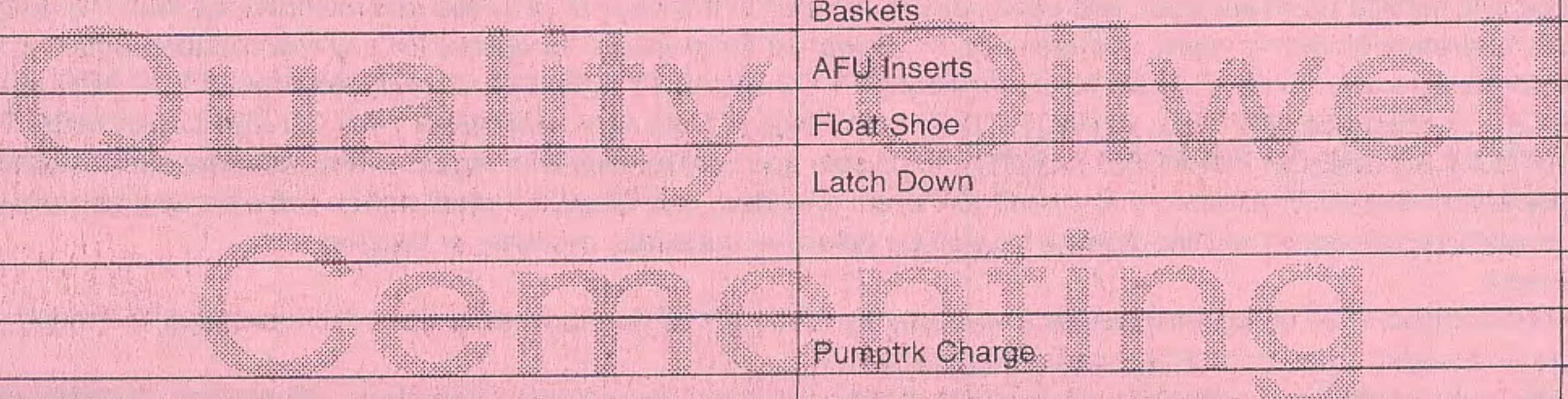
JOB SERVICES & REMARKS

Remarks:	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
	Sand

8 5/8 on bottom 1st Centralizer
380 sec 11 1/2 RBD Plug
Cement Circulated

FLOAT EQUIPMENT

Guide Shoe	8 5/8 RBD Plug
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	



Pumptrk Charge	
Mileage	

Tax	
Discount	
Total Charge	

X Signature *[Signature]*



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

C G Oil, Inc.
 PO Box 207
 Victoria, KS 67671
 ATTN: Roger Fisher

34-13S-16W Ellis,KS

Walker #2

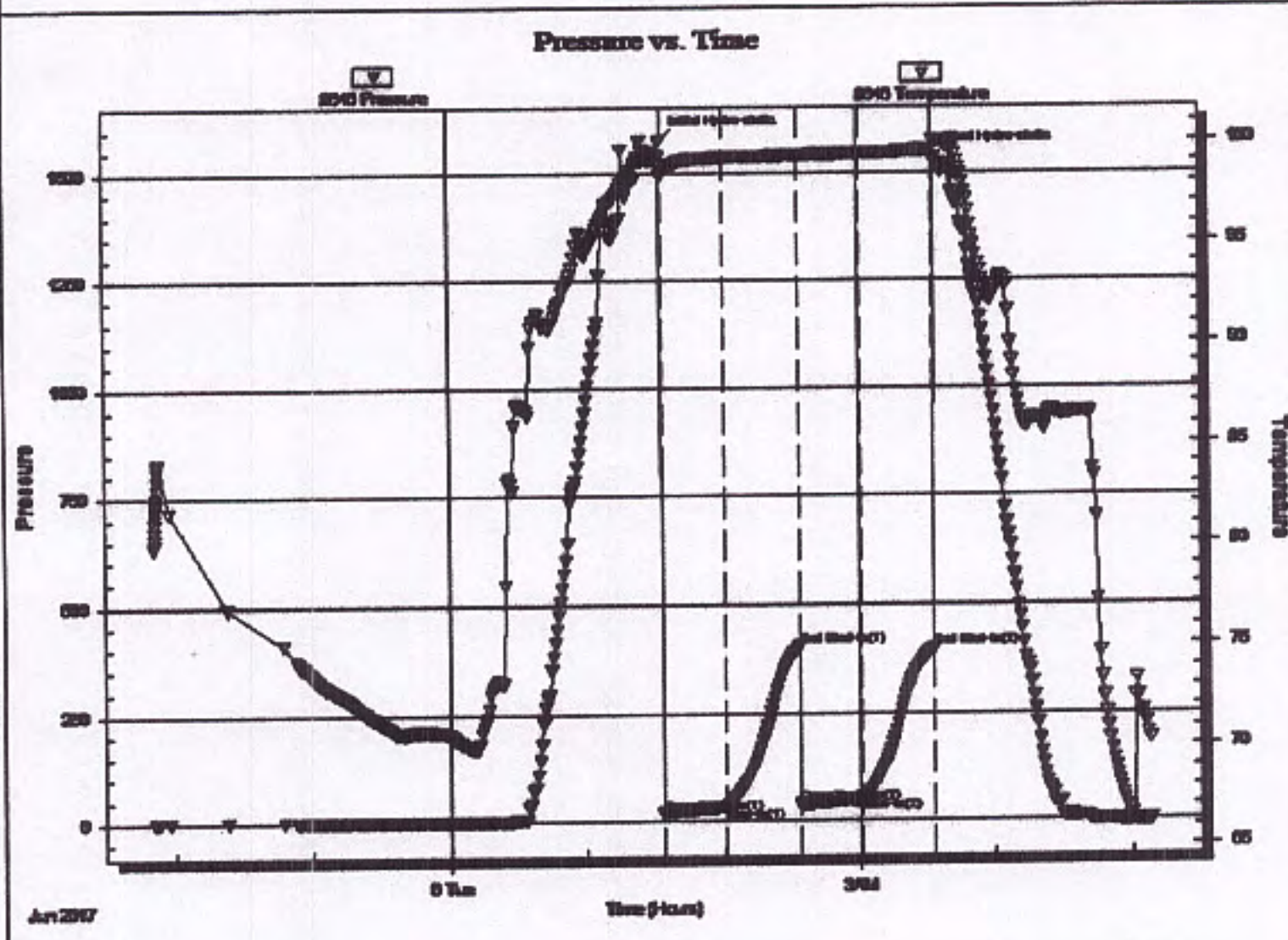
Job Ticket: 63251 **DST#: 1**
 Test Start: 2017.06.05 @ 21:50:26

GENERAL INFORMATION:

Formation: **Toronto- LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:33:26
 Time Test Ended: 05:08:46
 Interval: **3137.00 ft (KB) To 3219.00 ft (KB) (TVD)**
 Total Depth: 3219.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 65
 Reference Elevations: 1951.00 ft (KB)
 1943.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8646 **Outside**
 Press@RunDepth: 51.24 psig @ 3138.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.05 End Date: 2017.06.06 Last Calib.: 2017.06.06
 Start Time: 21:50:27 End Time: 05:08:46 Time On Btm: 2017.06.06 @ 01:33:16
 Time Off Btm: 2017.06.06 @ 03:34:05

TEST COMMENT: 30- IF- BOB 21 mins
 30- IS- No blow
 30- FF- BOB 15 mins
 30- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.46	99.15	Initial Hydro-static
1	17.28	98.23	Open To Flow (1)
28	33.89	99.18	Shut-In(1)
61	402.28	99.30	End Shut-In(1)
62	37.09	99.24	Open To Flow (2)
88	51.24	99.39	Shut-In(2)
120	396.85	99.54	End Shut-In(2)
121	1534.26	100.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	SOCM, 5%O 95%M	1.13

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

C G Oil, Inc.
PO Box 207
Victoria, KS 67671
ATTN: Roger Fisher

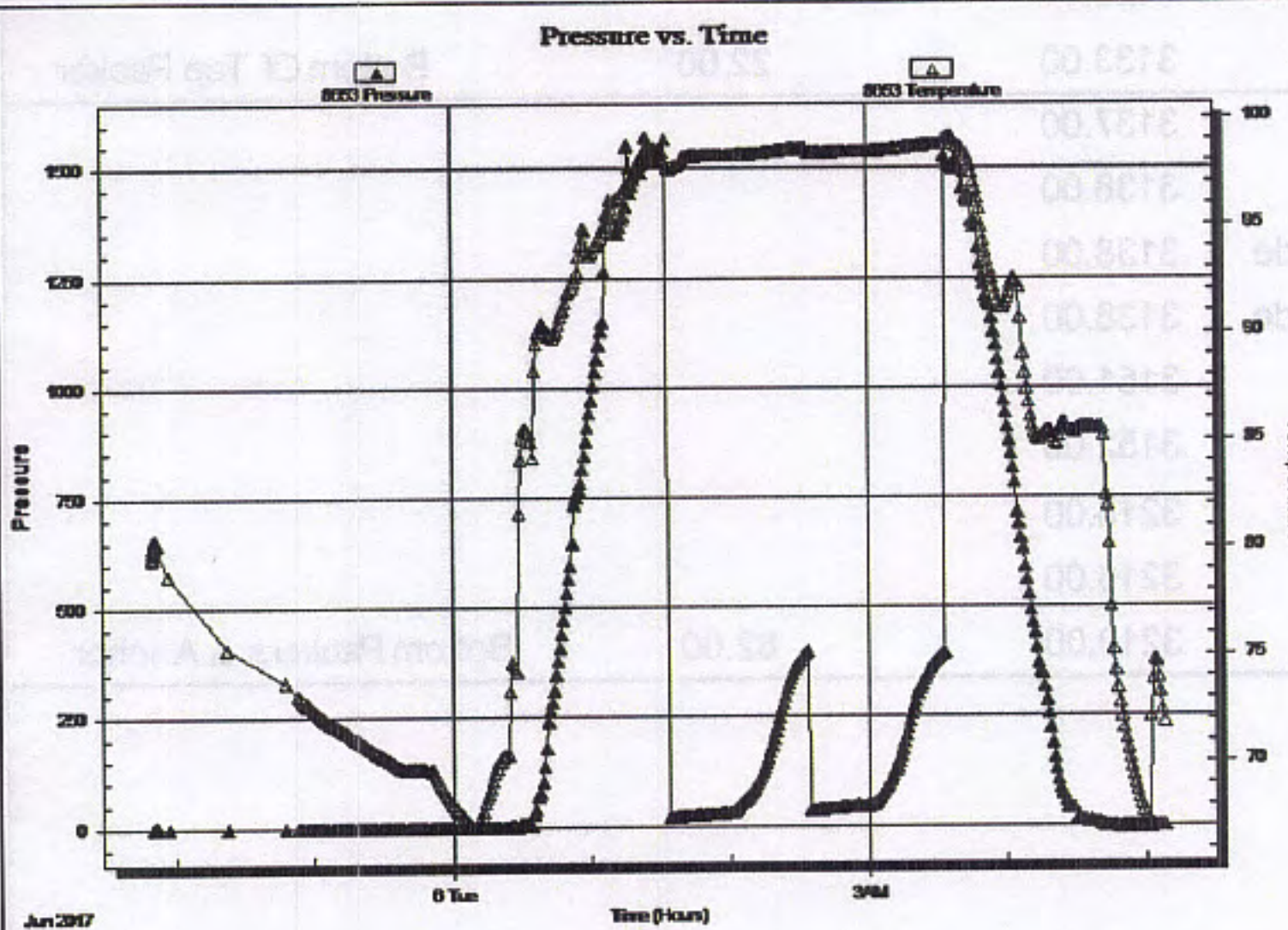
34-13S-16W Ellis,KS
Walker #2
Job Ticket: 63251 **DST#: 1**
Test Start: 2017.06.05 @ 21:50:26

GENERAL INFORMATION:

Formation: **Toronto- LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:33:26
Time Test Ended: 05:08:46
Interval: **3137.00 ft (KB) To 3219.00 ft (KB) (TVD)**
Total Depth: 3219.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan Lonsdale
Unit No: 65
Reference Elevations: 1951.00 ft (KB)
1943.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8653 **Inside**
Press@RunDepth: psig @ 3138.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2017.06.05 End Date: 2017.06.06 Last Calib.: 2017.06.06
Start Time: 21:50:24 End Time: 05:08:43 Time On Btm:
Time Off Btm:

TEST COMMENT: 30- IF- BOB 21 mins
30- IS- No blow
30- FF- BOB 15 mins
30- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0:00	200	75	
0:05	250	78	
0:10	500	85	
0:15	1000	100	
0:20	700	85	
0:25	700	85	
0:30	700	85	

Recovery

Length (ft)	Description	Volume (bbl)
80.00	SOCM, 5%O 95%M	1.13

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

C G Oil, Inc.

34-13S-16W Ellis, KS

PO Box 207
Victoria, KS 67671

Walker #2

Job Ticket: 63251

DST#: 1

ATTN: Roger Fisher

Test Start: 2017.06.05 @ 21:50:26

Tool Information

Drill Pipe:	Length: 3145.00 ft	Diameter: 3.82 inches	Volume: 44.58 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 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:	40000.00 lb
			Total Volume: - bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3137.00 ft			Final	38000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	82.00 ft				
Tool Length:	104.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3116.00	
Shut In Tool	5.00			3121.00	
Hydraulic tool	5.00			3126.00	
Safety Joint	2.00			3128.00	
Packer	5.00			3133.00	22.00 Bottom Of Top Packer
Packer	4.00			3137.00	
Stubb	1.00			3138.00	
Recorder	0.00	8653	Inside	3138.00	
Recorder	0.00	8646	Outside	3138.00	
Perforations	13.00			3151.00	
Change Over Sub	1.00			3152.00	
Drill Pipe	63.00			3215.00	
Change Over Sub	1.00			3216.00	
Bullnose	3.00			3219.00	82.00 Bottom Packers & Anchor
Total Tool Length:	104.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

C G Oil, Inc.
PO Box 207
Victoria, KS 67671
ATTN: Roger Fisher

34-13S-16W Ellis, KS
Walker #2
Job Ticket: 63251 **DST#: 1**
Test Start: 2017.06.05 @ 21:50:26

Mud and Cushion Information

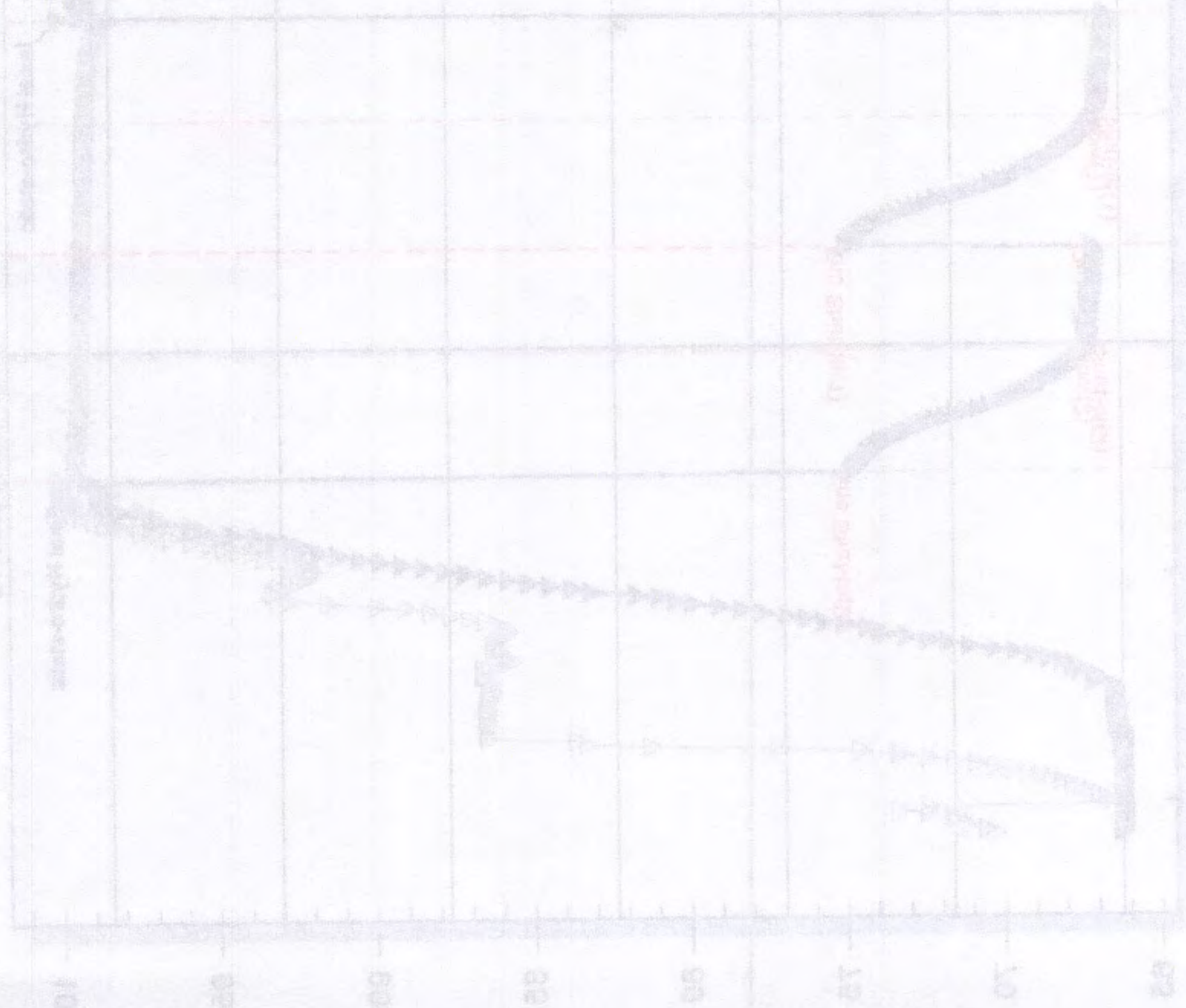
Mud Type: Gel Chem	Cushion Type:	Oil API: 28 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: inches		

Recovery Information

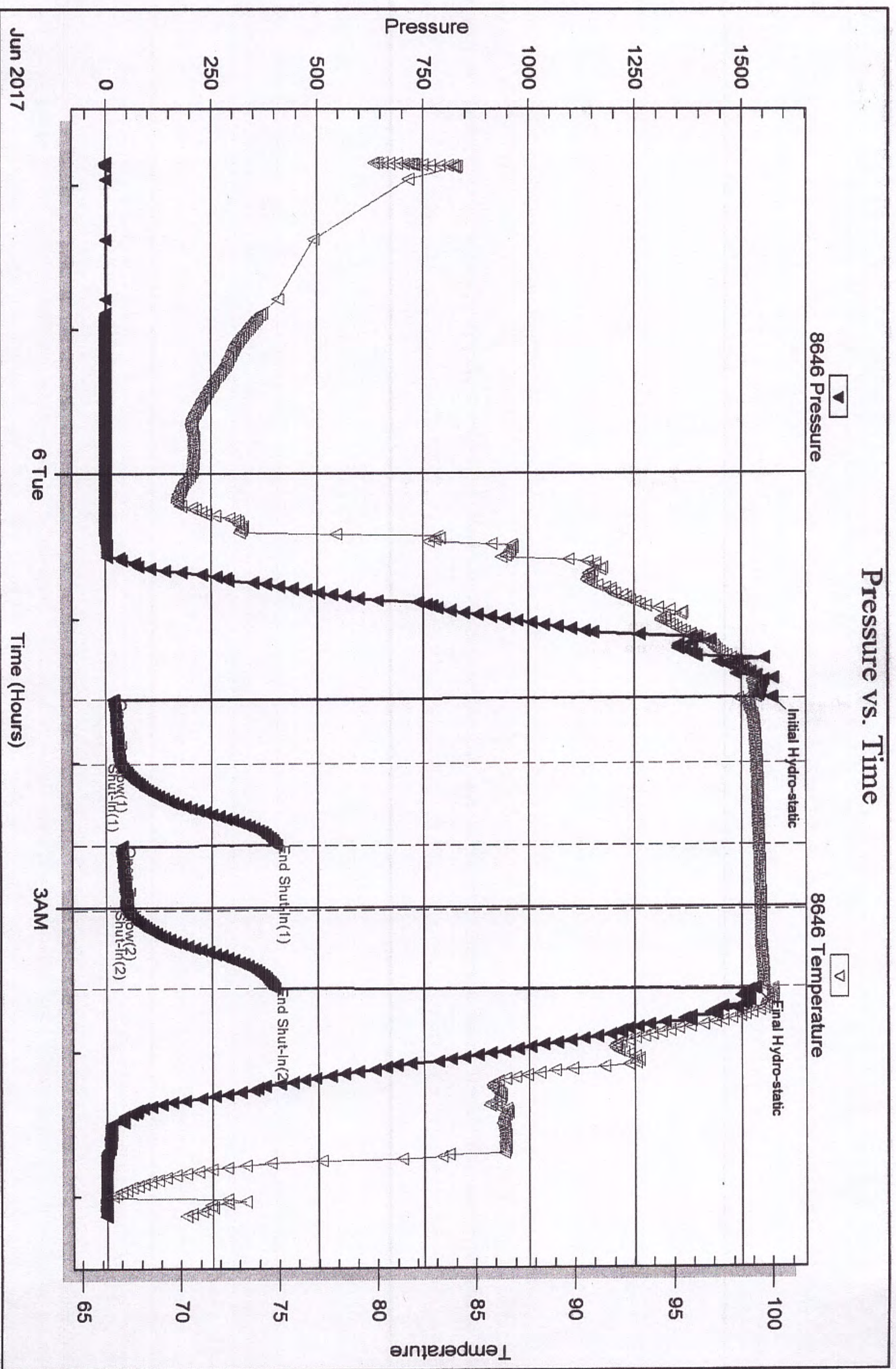
Recovery Table

Length ft	Description	Volume bbl
80.00	SOCM, 5%O 95%M	1.134

Total Length: 80.00 ft Total Volume: 1.134 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



Pressure vs. Time



Serial #: 8653

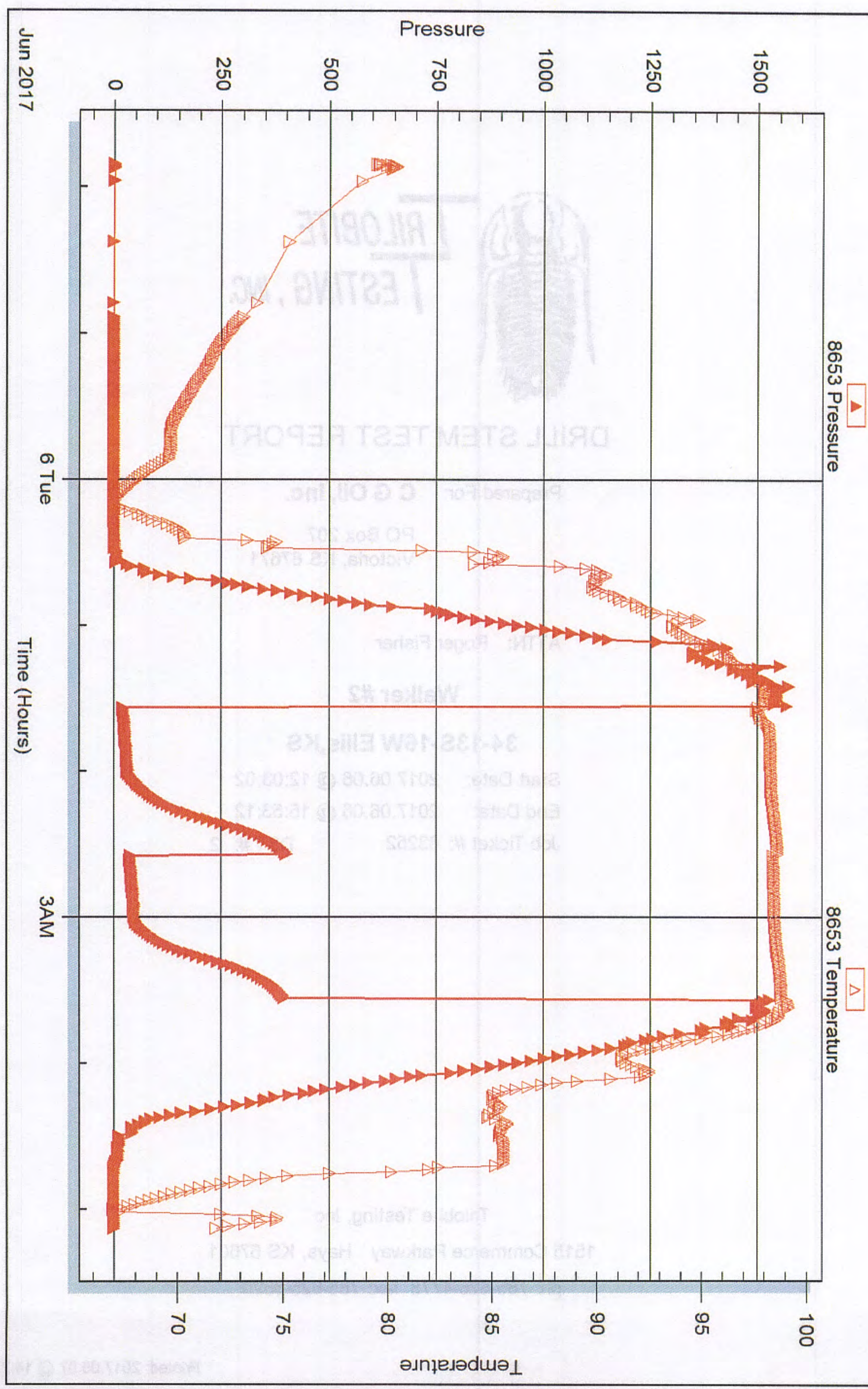
Inside

CG Oil, Inc.

Walker #2

DST Test Number: 1

Pressure vs. Time



Trilobe Testing, Inc

Ref. No: 63251

Printed: 2017.06.07 @ 14:23:40



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

C G Oil, Inc.
PO Box 207
Victoria, KS 67671
ATTN: Roger Fisher

34-13S-16W Ellis, KS
Walker #2
Job Ticket: 63252 **DST#: 2**
Test Start: 2017.06.06 @ 12:03:02

GENERAL INFORMATION:

Formation: **LKC E-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:41:22
Time Test Ended: 15:53:12

Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 65

Interval: **3246.00 ft (KB) To 3274.00 ft (KB) (TVD)**
Total Depth: 3274.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1951.00 ft (KB)
1943.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8646

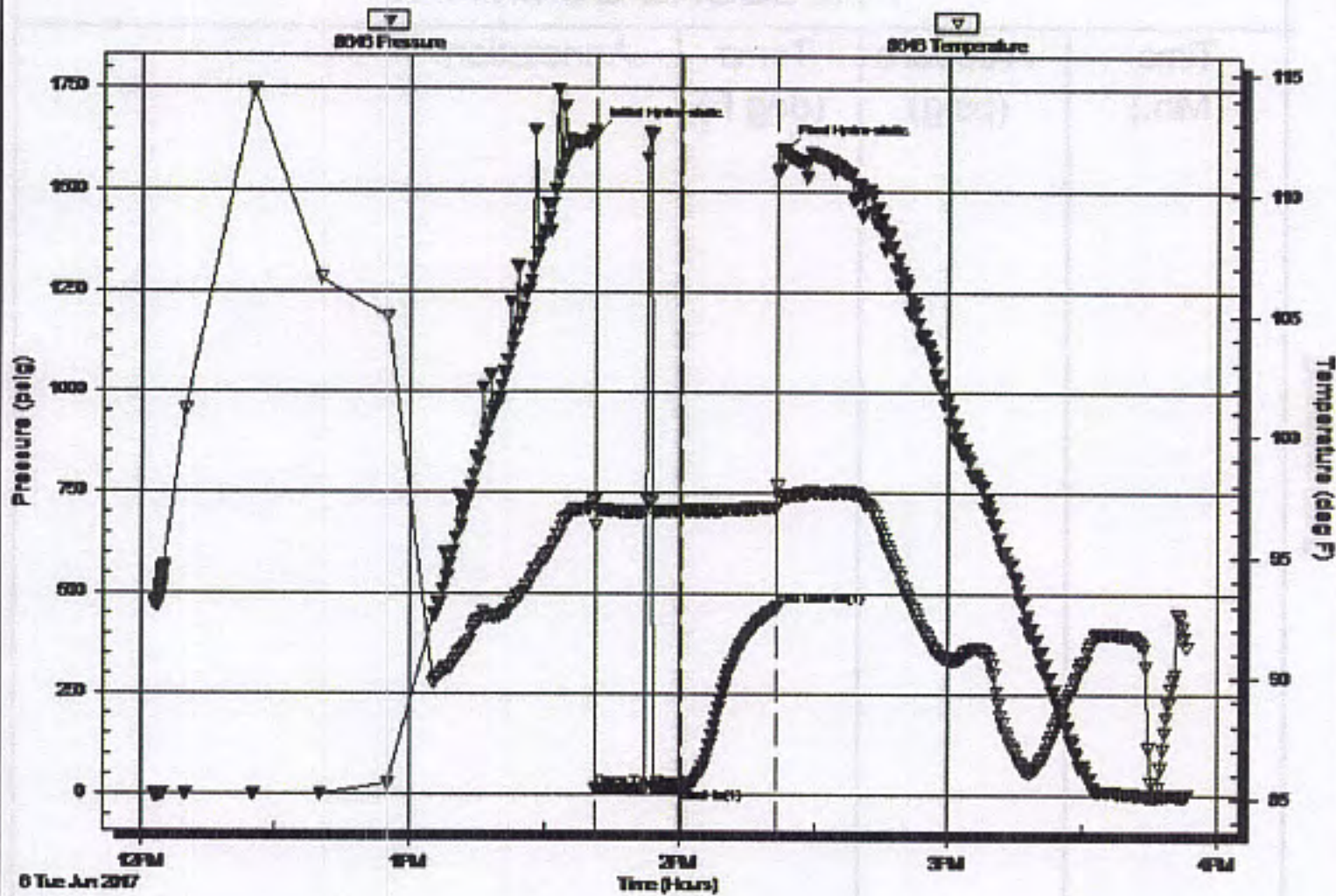
Outside

Press@RunDepth: 17.38 psig @ 3247.00 ft (KB)
Start Date: 2017.06.06 End Date: 2017.06.06
Start Time: 12:03:03 End Time: 15:53:12

Capacity: 8000.00 psig
Last Calib.: 2017.06.06
Time On Btm: 2017.06.06 @ 13:41:12
Time Off Btm: 2017.06.06 @ 14:23:02

TEST COMMENT: 20- IF- Weak surface blow died in 2 mins Flushed tool No blow
20- ISI- No blow Pulled tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.18	97.36	Initial Hydro-static
1	14.18	96.27	Open To Flow (1)
20	17.38	96.94	Shut-In(1)
41	466.92	97.09	End Shut-In(1)
42	1599.74	97.53	Final Hydro-static

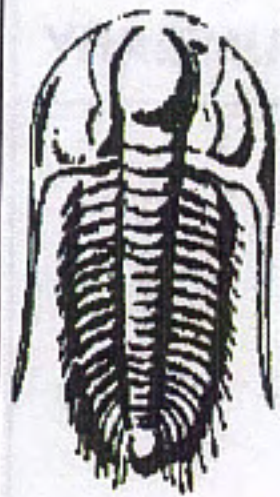
Recovery

Length (ft)	Description	Volume (bbl)
3.00	OSM Mud 100%	0.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

C G Oil, Inc.
PO Box 207
Victoria, KS 67671
ATTN: Roger Fisher

34-13S-16W Ellis,KS
Walker #2
Job Ticket: 63252 **DST#: 2**
Test Start: 2017.06.06 @ 12:03:02

Tool Information

Drill Pipe:	Length: 3238.00 ft	Diameter: 3.82 inches	Volume: 45.90 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 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: 42000.00 lb
			<u>Total Volume: bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3246.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
1.00			3225.00	
5.00			3230.00	
5.00			3235.00	
2.00			3237.00	
5.00			3242.00	22.00
4.00			3246.00	
1.00			3247.00	
0.00	8653	Inside	3247.00	
0.00	8646	Outside	3247.00	
24.00			3271.00	
3.00			3274.00	28.00

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3225.00	
Shut In Tool	5.00			3230.00	
Hydraulic tool	5.00			3235.00	
Safety Joint	2.00			3237.00	
Packer	5.00			3242.00	22.00 Bottom Of Top Packer
Packer	4.00			3246.00	
Stubb	1.00			3247.00	
Recorder	0.00	8653	Inside	3247.00	
Recorder	0.00	8646	Outside	3247.00	
Perforations	24.00			3271.00	
Bullnose	3.00			3274.00	28.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

C G Oil, Inc.

34-13S-16W Ellis, KS

PO Box 207
Victoria, KS 67671

Walker #2

Job Ticket: 63252

DST#: 2

ATTN: Roger Fisher

Test Start: 2017.06.06 @ 12:03:02

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 9800.00 ppm
Filter Cake: inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	OSM Mud 100%	0.043

Total Length: 3.00 ft Total Volume: 0.043 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

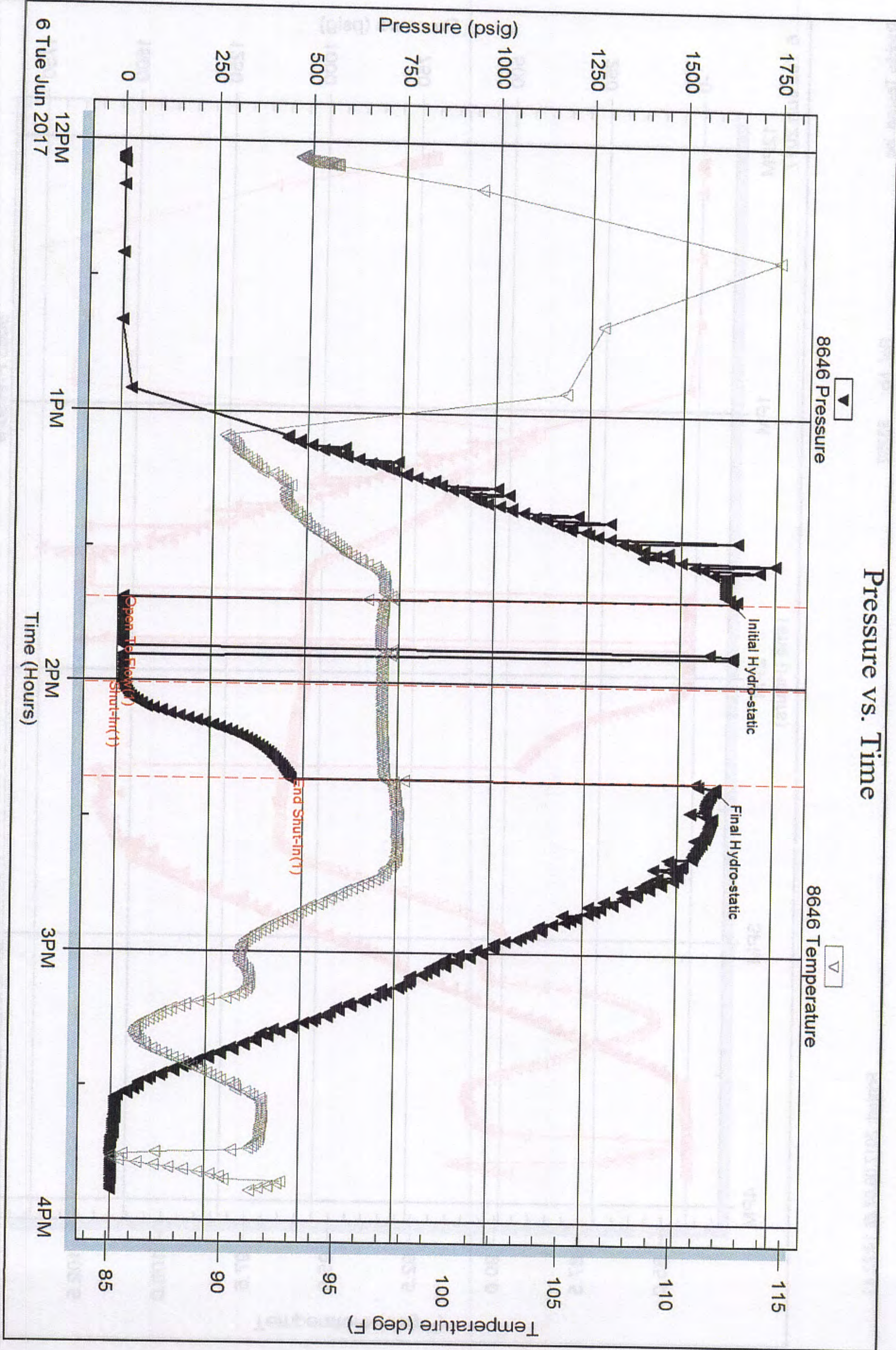
Serial #: 8646

Outside C G Oil, Inc.

Walker #2

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 63252

Printed: 2017.06.07 @ 14:22:41

Pressure vs. Time

