

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **C G Oil Inc**

PO Box 207
Victoria KS 67601

ATTN: Ron Schmidtberger

Walker Lease #1

34-13s-18w Ellis,KS

Start Date: 2016.08.31 @ 00:30:21

End Date: 2016.08.31 @ 05:26:15

Job Ticket #: 63069 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.01 @ 08:59:50

C G Oil Inc

34-13s-18w Ellis,KS

Walker Lease #1

DST # 2

LKC "E"

2016.08.31



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C G Oil Inc
PO Box 207
Victoria KS 67601
ATTN: Ron Schmidtberger

34-13s-18w Ellis,KS
Walker Lease #1
Job Ticket: 63069 **DST#: 2**
Test Start: 2016.08.31 @ 00:30:21

GENERAL INFORMATION:

Formation: **LKC "E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:50:16
Time Test Ended: 05:26:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 77

Interval: **3232.00 ft (KB) To 3287.00 ft (KB) (TVD)**
Total Depth: 3287.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1960.00 ft (KB)
1952.00 ft (CF)
KB to GR/CF: 8.00 ft

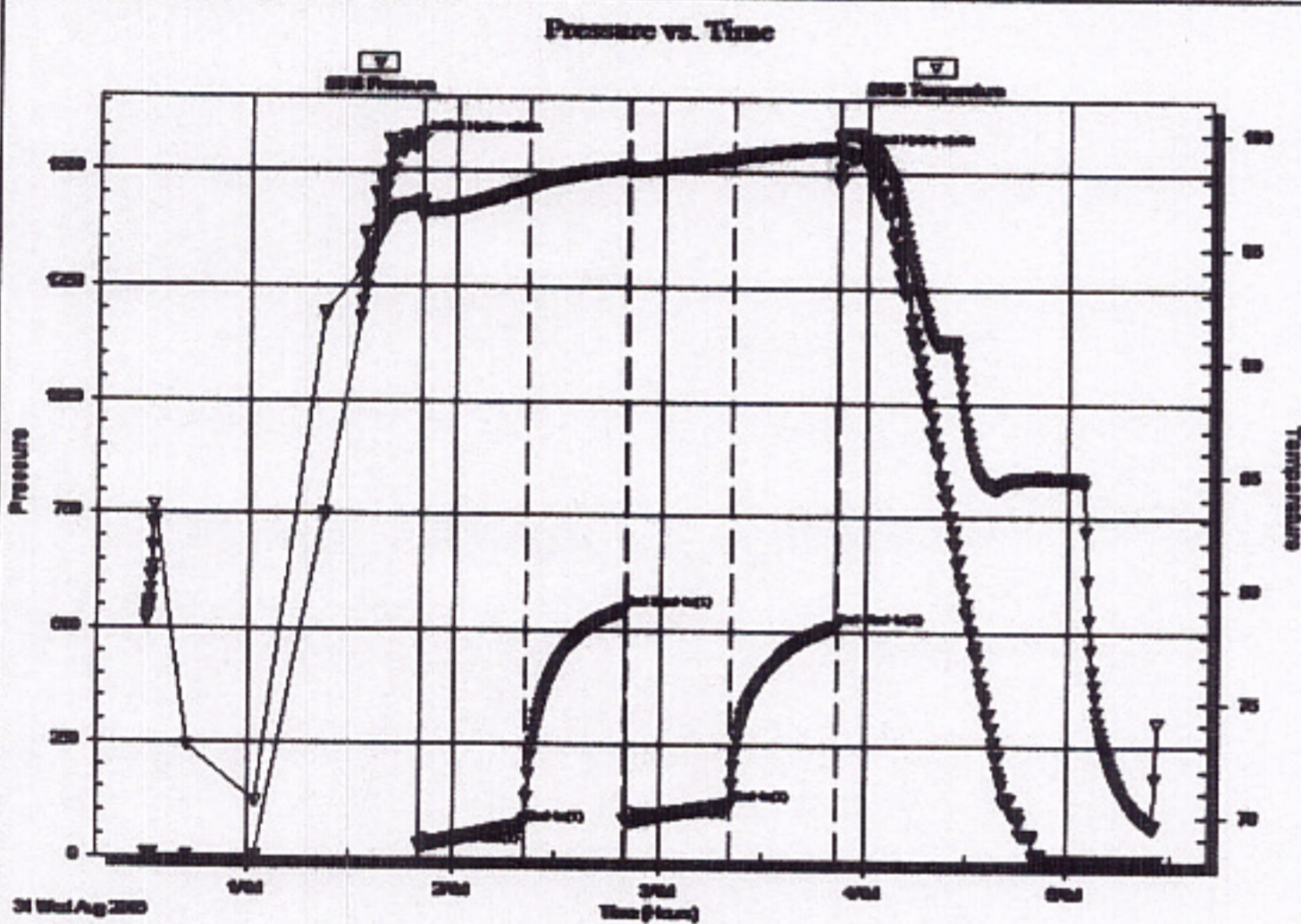
Serial #: 8018

Inside

Press@RunDepth: 119.21 psig @ 3234.00 ft (KB)
Start Date: 2016.08.31 End Date: 2016.08.31
Start Time: 00:30:21 End Time: 05:26:15

Capacity: 8000.00 psig
Last Calib.: 2016.08.31
Time On Btm: 2016.08.31 @ 01:48:31
Time Off Btm: 2016.08.31 @ 03:55:46

TEST COMMENT: 30-IFP-w k to strg in 8 min
30-ISIP-w k bl bk surface to 2" bl
30-FFP-w k to strg in 5 min
30-FSIP-surface to 4" bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.13	96.80	Initial Hydro-static
2	28.05	96.26	Open To Flow (1)
33	72.84	97.56	Shut-In(1)
62	547.42	98.49	End Shut-In(1)
62	86.27	98.30	Open To Flow (2)
92	119.21	98.89	Shut-In(2)
124	514.23	99.40	End Shut-In(2)
128	1531.77	100.03	Final Hydro-static

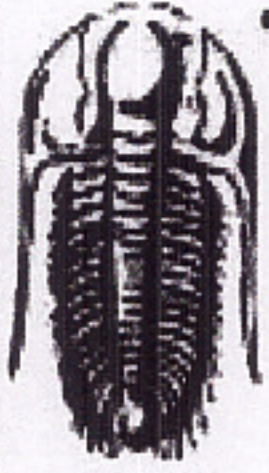
Recovery

Length (ft)	Description	Volume (bbl)
0.00	520'GIP	0.00
20.00	CO	0.28
70.00	MGO 10%G10%w 10%M70%O	0.98
62.00	O&GCWM 20%G6%O34%W40%M	0.87
62.00	MW 10%M90%W	0.87

Gas Rates

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

* Recovery from multiple tests



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TOOL DIAGRAM

C G Oil Inc
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ATTN: Ron Schmidtberger

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Walker Lease #1
Job Ticket: 63069 **DST#: 2**
Test Start: 2016.08.31 @ 00:30:21

Tool Information

Drill Pipe:	Length: 3225.00 ft	Diameter: 3.80 inches	Volume: 45.24 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 45.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 33000.00 lb
Depth to Top Packer:	3232.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	76.00 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			3212.00	
Shut In Tool	5.00			3217.00	
Hydraulic tool	5.00			3222.00	
Packer	5.00			3227.00	21.00 Bottom Of Top Packer
Packer	5.00			3232.00	
Stubb	1.00			3233.00	
Perforations	1.00			3234.00	
Recorder	0.00	8018	Inside	3234.00	
Recorder	0.00	8700	Outside	3234.00	
Blank Spacing	33.00			3267.00	
Perforations	17.00			3284.00	
Bullnose	3.00			3287.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00



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FLUID SUMMARY

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34-13s-18w Ellis,KS

PO Box 207
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Walker Lease #1

Job Ticket: 63069

DST#: 2

ATTN: Ron Schmidtberger

Test Start: 2016.08.31 @ 00:30:21

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 88000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.77 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3800.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	520'GIP	0.000
20.00	CO	0.281
70.00	MGO 10%G10%w 10%M70%O	0.982
62.00	O&GCWM 20%G6%O34%W40%M	0.870
62.00	MW 10%M90%W	0.870

Total Length: 214.00 ft Total Volume: 3.003 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .09@68F

Serial #: 8018

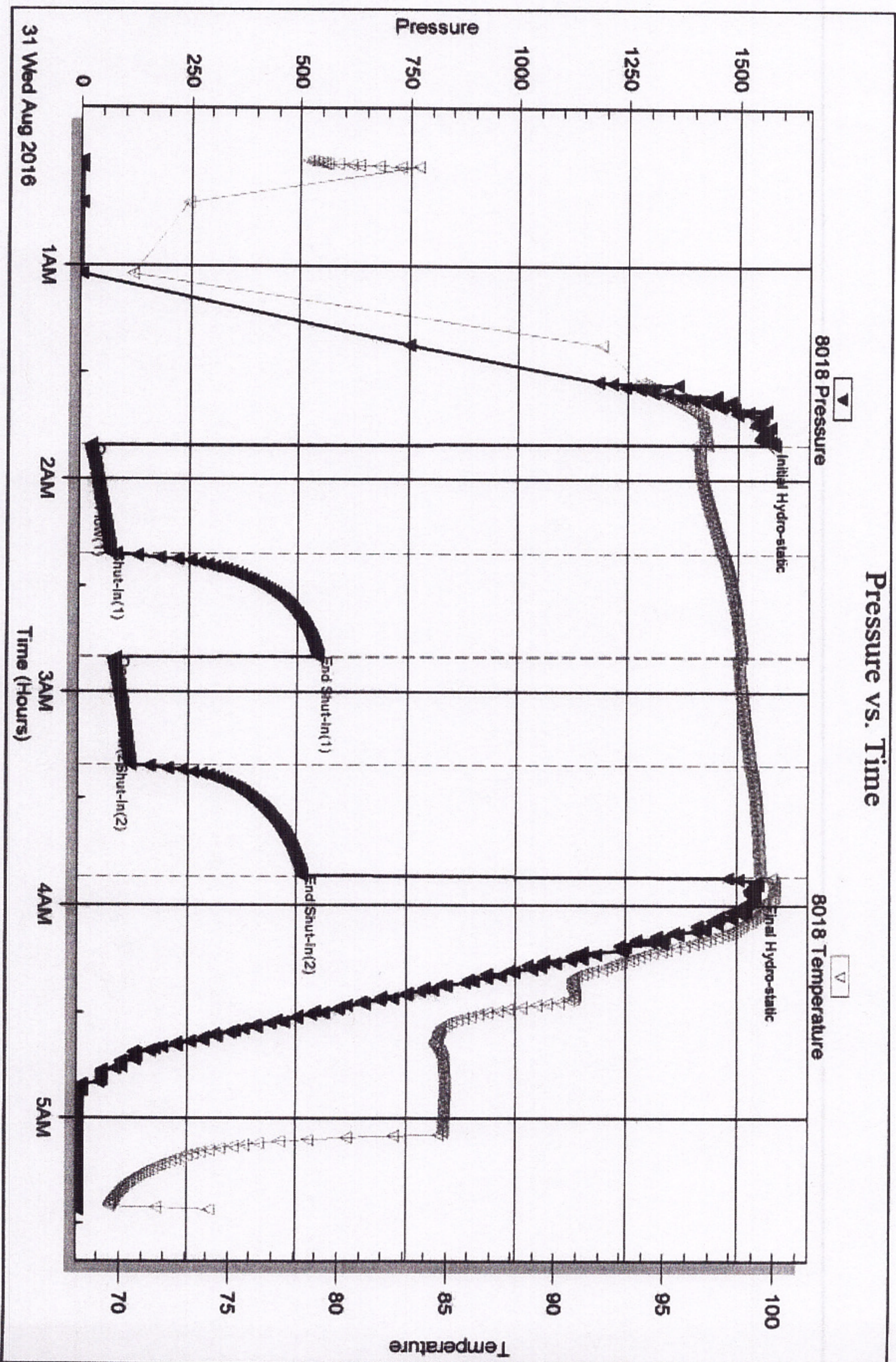
Inside

C G Oil Inc

Walker Lease #1

DST Test Number: 2

Pressure vs. Time



31 Wed Aug 2016

Triobite Testing, Inc

Ref. No: 63069

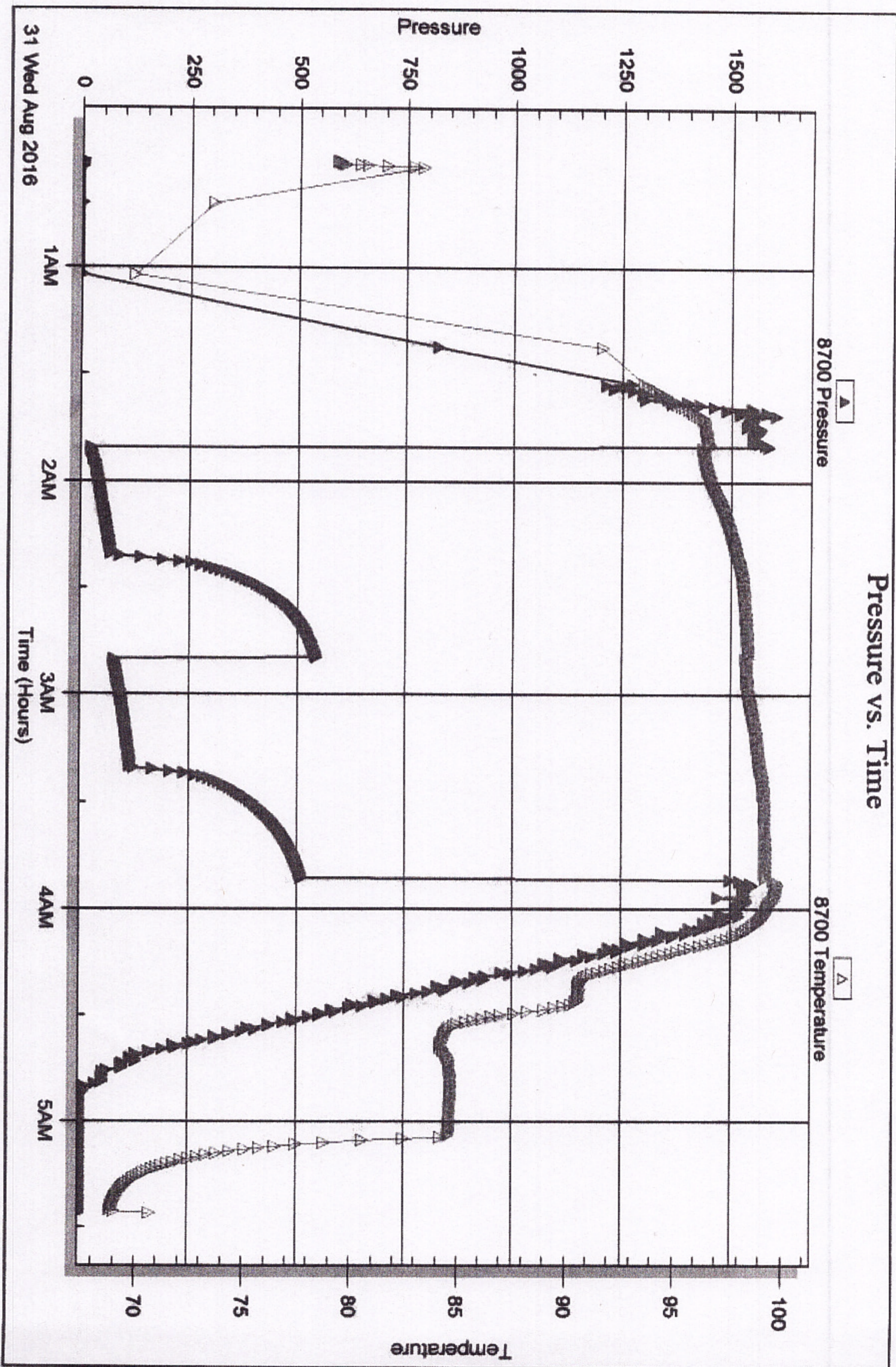
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Serial #: 8700

Outside C G Oil Inc

Walker Lease #1

DST Test Number: 2



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