



DRILL STEM TEST REPORT

Prepared For: **Dowing Nelson Oil Company**

PO Box 1019
Hays KS 67601

ATTN: Marc Dowling

Walt "C" #1-4

4-9s-24w Graham,KS

Start Date: 2014.04.12 @ 15:50:41

End Date: 2014.04.12 @ 23:03:50

Job Ticket #: 57563 DST #: 1

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

Printed: 2014.04.16 @ 12:01:26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57563

DST#: 1

ATTN: Marc Dow ing

Test Start: 2014.04.12 @ 15:50:41

GENERAL INFORMATION:

Formation: **LKC I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:51:11

Time Test Ended: 23:03:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 49

Interval: 3920.00 ft (KB) To 3946.00 ft (KB) (TVD)

Reference Elevations: 2450.00 ft (KB)

Total Depth: 3946.00 ft (KB) (TVD)

2442.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8897

Inside

Press@RunDepth: 208.48 psig @ 3923.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.12

End Date:

2014.04.12

Last Calib.:

2014.04.12

Start Time: 15:50:42

End Time:

23:03:51

Time On Btm:

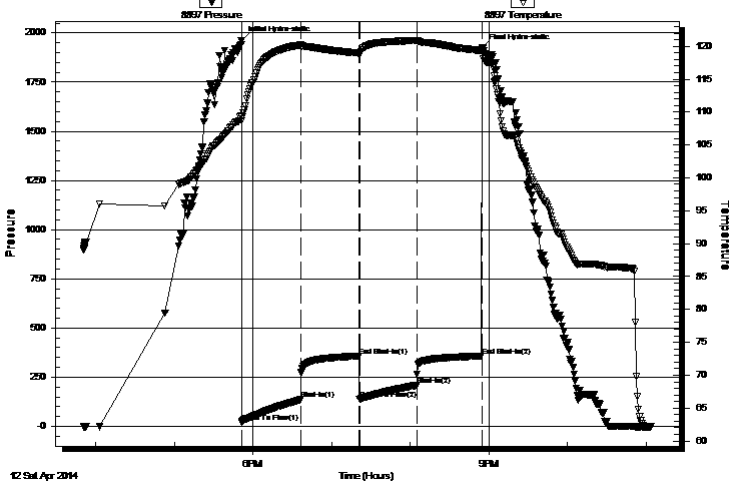
2014.04.12 @ 17:51:01

Time Off Btm:

2014.04.12 @ 20:55:01

TEST COMMENT: B.O.B. In 17 mins
Dead no blow back
B.O.B. In 35 mins
Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1961.99	109.51	Initial Hydro-static
1	20.62	108.70	Open To Flow (1)
46	135.53	120.18	Shut-In(1)
90	356.82	118.95	End Shut-In(1)
91	138.15	118.86	Open To Flow (2)
134	208.48	120.85	Shut-In(2)
184	356.57	119.37	End Shut-In(2)
184	1922.67	119.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	100%W	4.78
40.00	40%W 60%M	0.56
1.00	100%O	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57563

DST#: 1

ATTN: Marc Dow ing

Test Start: 2014.04.12 @ 15:50:41

Tool Information

Drill Pipe:	Length: 3883.00 ft	Diameter: 3.80 inches	Volume: 54.47 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3920.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	26.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3905.00	
Hydraulic tool	5.00			3910.00	
Packer	5.00			3915.00	20.00 Bottom Of Top Packer
Packer	5.00			3920.00	
Stubb	1.00			3921.00	
Perforations	2.00			3923.00	
Recorder	0.00	8897	Inside	3923.00	
Recorder	0.00	8898	Outside	3923.00	
Perforations	20.00			3943.00	
Bullnose	3.00			3946.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57563

DST#: 1

ATTN: Marc Dow ing

Test Start: 2014.04.12 @ 15:50:41

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:

35000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
360.00	100%W	4.777
40.00	40%W 60%M	0.561
1.00	100%O	0.014

Total Length: 401.00 ft Total Volume: 5.352 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8897

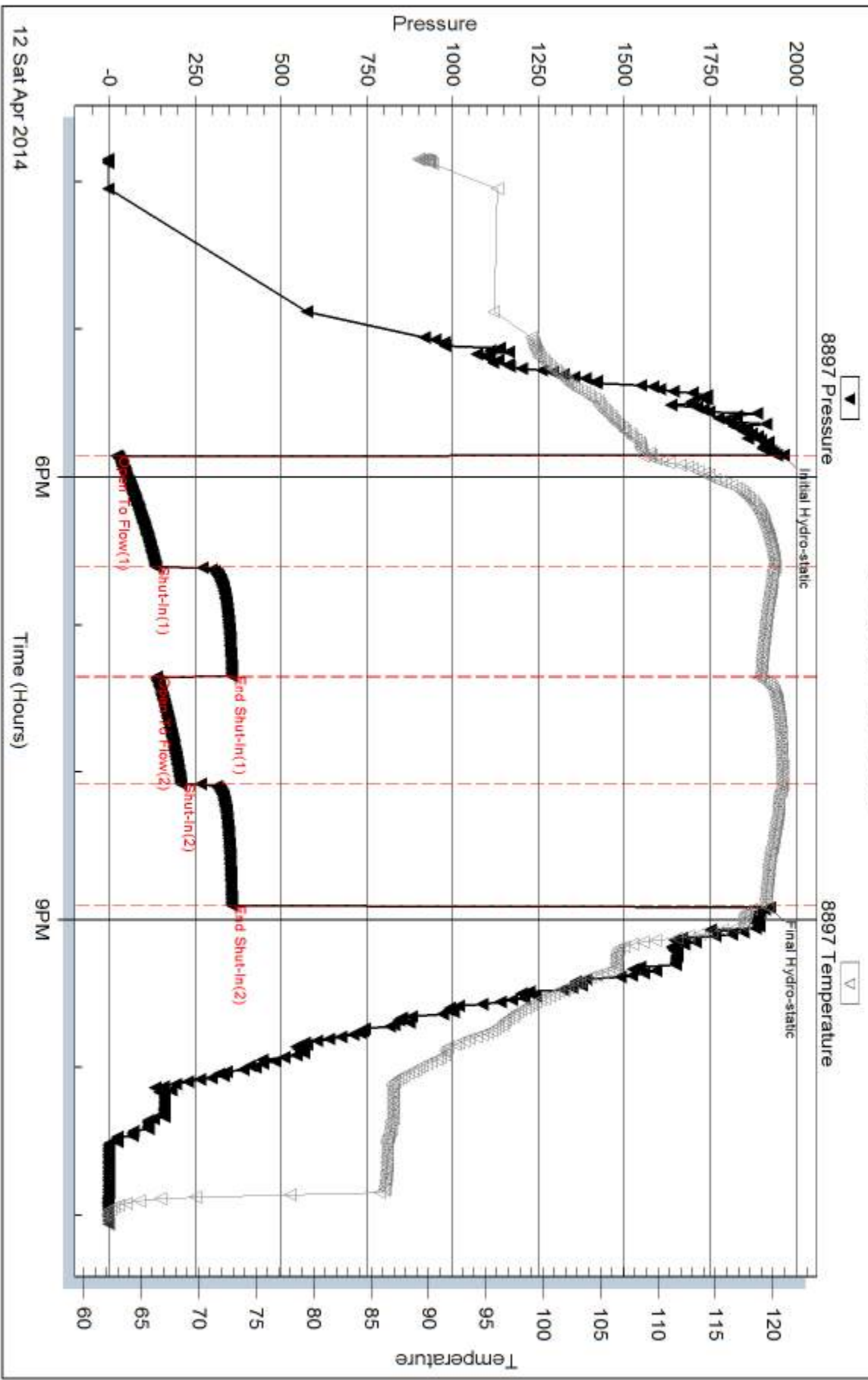
Inside

Dowling Nelson Oil Company

Well 'C' #1-4

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 57563

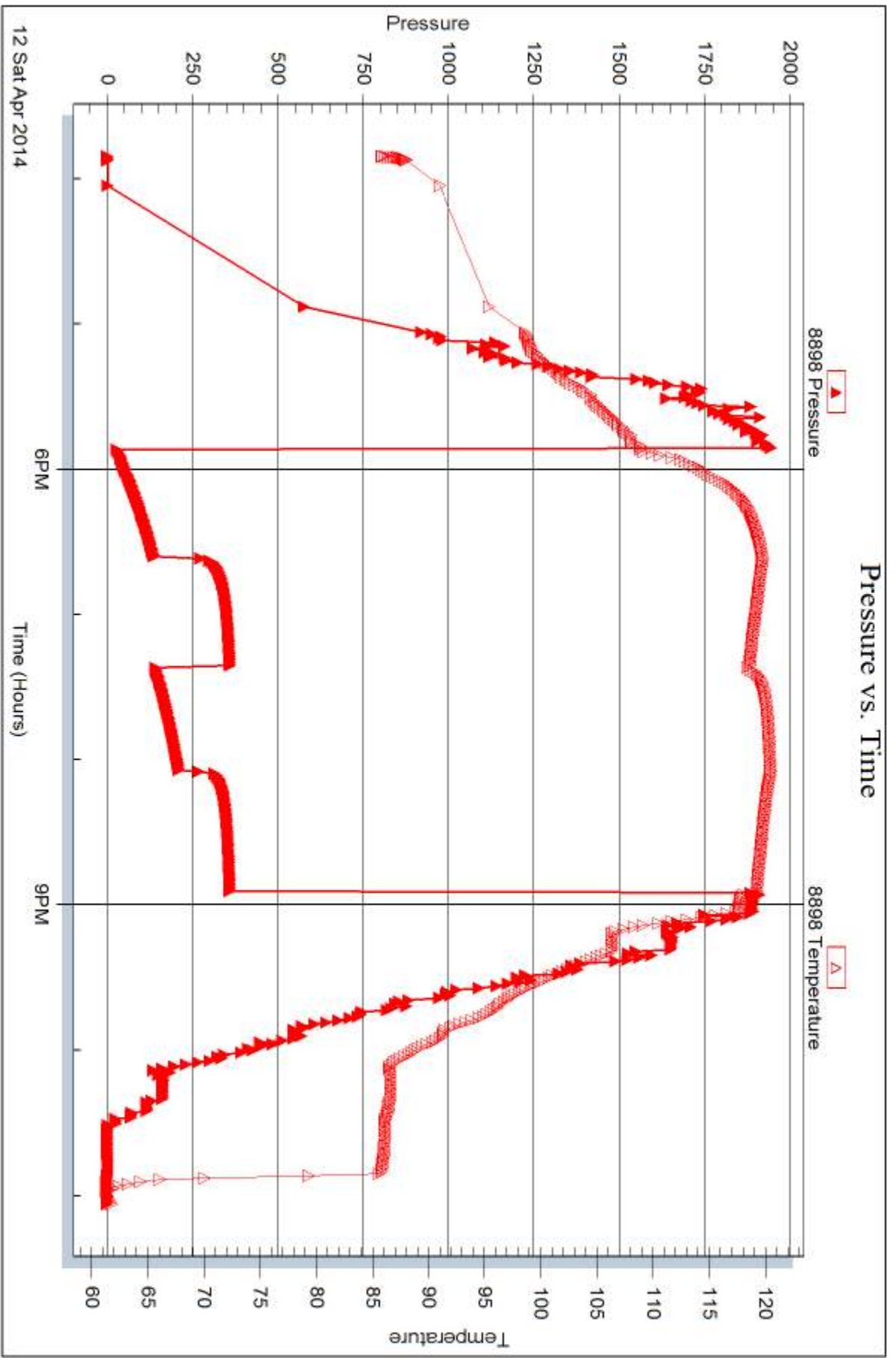
Printed: 2014.04.16 @ 12:01:28

Serial #: 8898

Outside Dow lng Nelson Oil Company

Well 'C' #1-4

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 57563

Printed: 2014.04.16 @ 12:01:29



DRILL STEM TEST REPORT

Prepared For: **Dowing Nelson Oil Company**

PO Box 1019
Hays KS 67601

ATTN: Marc Dowling

Walt "C" #1-4

4-9s-24w Graham,KS

Start Date: 2014.04.13 @ 16:03:31

End Date: 2014.04.13 @ 23:24:01

Job Ticket #: 57564 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.16 @ 12:01:02

Dowing Nelson Oil Company

4-9s-24w Graham,KS

Walt "C" #1-4

DST # 2

LKC J&K

2014.04.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57564

DST#: 2

ATTN: Marc Dow ing

Test Start: 2014.04.13 @ 16:03:31

GENERAL INFORMATION:

Formation: **LKC J&K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:26:11

Time Test Ended: 23:24:01

Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3939.00 ft (KB) To 3977.00 ft (KB) (TVD)

Reference Elevations: 2450.00 ft (KB)

Total Depth: 4050.00 ft (KB) (TVD)

2442.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8898 Outside

Press@RunDepth: 29.47 psig @ 3943.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.13

End Date:

2014.04.13

Last Calib.:

2014.04.13

Start Time:

16:03:32

End Time:

23:24:01

Time On Btm:

2014.04.13 @ 18:26:01

Time Off Btm:

2014.04.13 @ 21:30:01

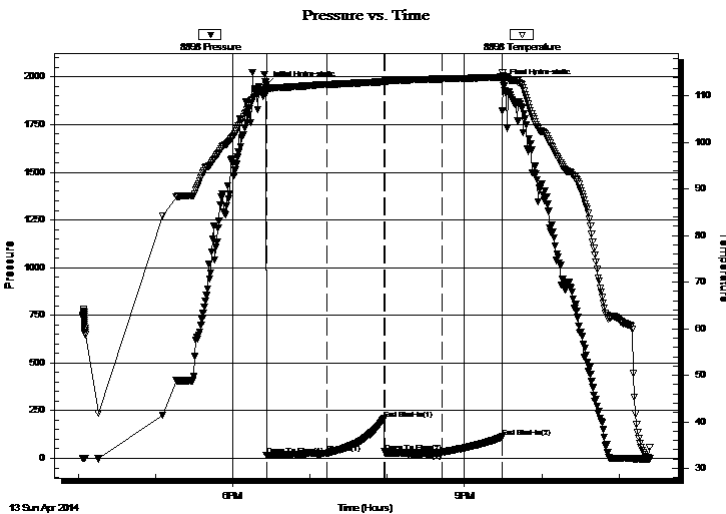
TEST COMMENT: Weak surface blow built to 3"

Dead no blow back

Weaksurface blow built to 1 1/2"

Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.19	111.76	Initial Hydro-static
1	17.36	110.72	Open To Flow (1)
47	25.84	112.46	Shut-In(1)
92	207.91	113.08	End Shut-In(1)
93	29.38	113.10	Open To Flow (2)
137	29.47	113.67	Shut-In(2)
184	112.54	114.08	End Shut-In(2)
184	1966.89	114.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	40%O 60%M	0.29
0.00	20 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57564

DST#: 2

ATTN: Marc Dow ing

Test Start: 2014.04.13 @ 16:03:31

Tool Information

Drill Pipe:	Length: 3910.00 ft	Diameter: 3.80 inches	Volume: 54.85 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 55.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3939.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	3977.00 ft			
Interval between Packers:	38.00 ft			
Tool Length:	148.00 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			3917.00	
Hydraulic tool	5.00			3922.00	
Jars	5.00			3927.00	
Safety Joint	2.00			3929.00	
Packer	5.00			3934.00	27.00 Bottom Of Top Packer
Packer	5.00			3939.00	
Stubb	1.00			3940.00	
Perforations	3.00			3943.00	
Recorder	0.00	8897	Inside	3943.00	
Recorder	0.00	8898	Outside	3943.00	
Perforations	29.00			3972.00	
Blank Off Sub	1.00			3973.00	
Blank Spacing	4.00			3977.00	38.00 Tool Interval
Packer	5.00			3982.00	
Stubb	1.00			3983.00	
Perforations	8.00			3991.00	
Recorder	0.00	8354	Below	3991.00	
Change Over Sub	1.00			3992.00	
Blank Spacing	64.00			4056.00	
Change Over Sub	1.00			4057.00	
Bullnose	3.00			4060.00	83.00 Bottom Packers & Anchor

Total Tool Length: 148.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57564

DST#: 2

ATTN: Marc Dow ing

Test Start: 2014.04.13 @ 16:03:31

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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in³

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
40.00	40%O 60%M	0.288
0.00	20 GIP	0.000

Total Length: 40.00 ft Total Volume: 0.288 bbl

Num Fluid Samples: 0

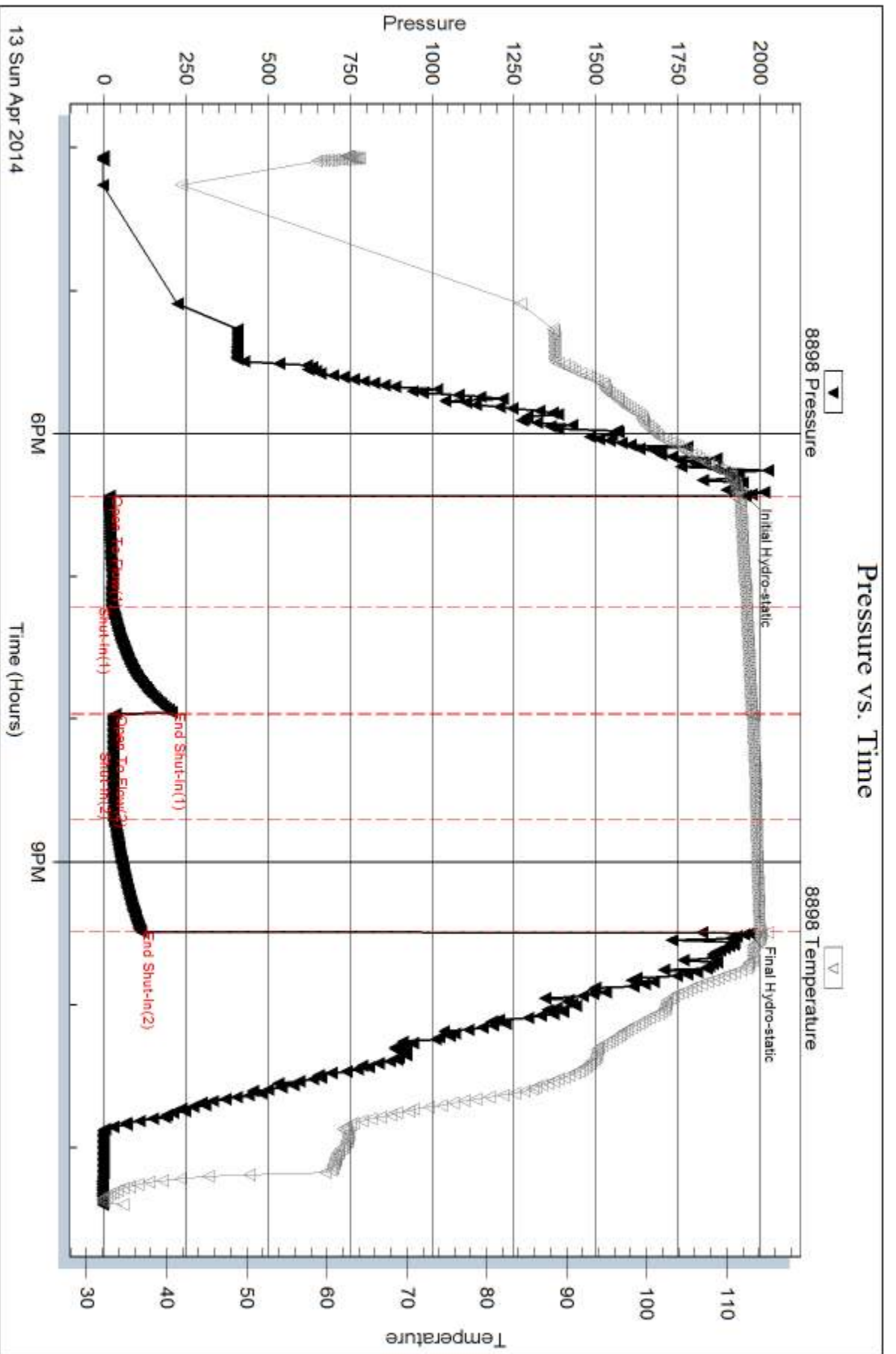
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



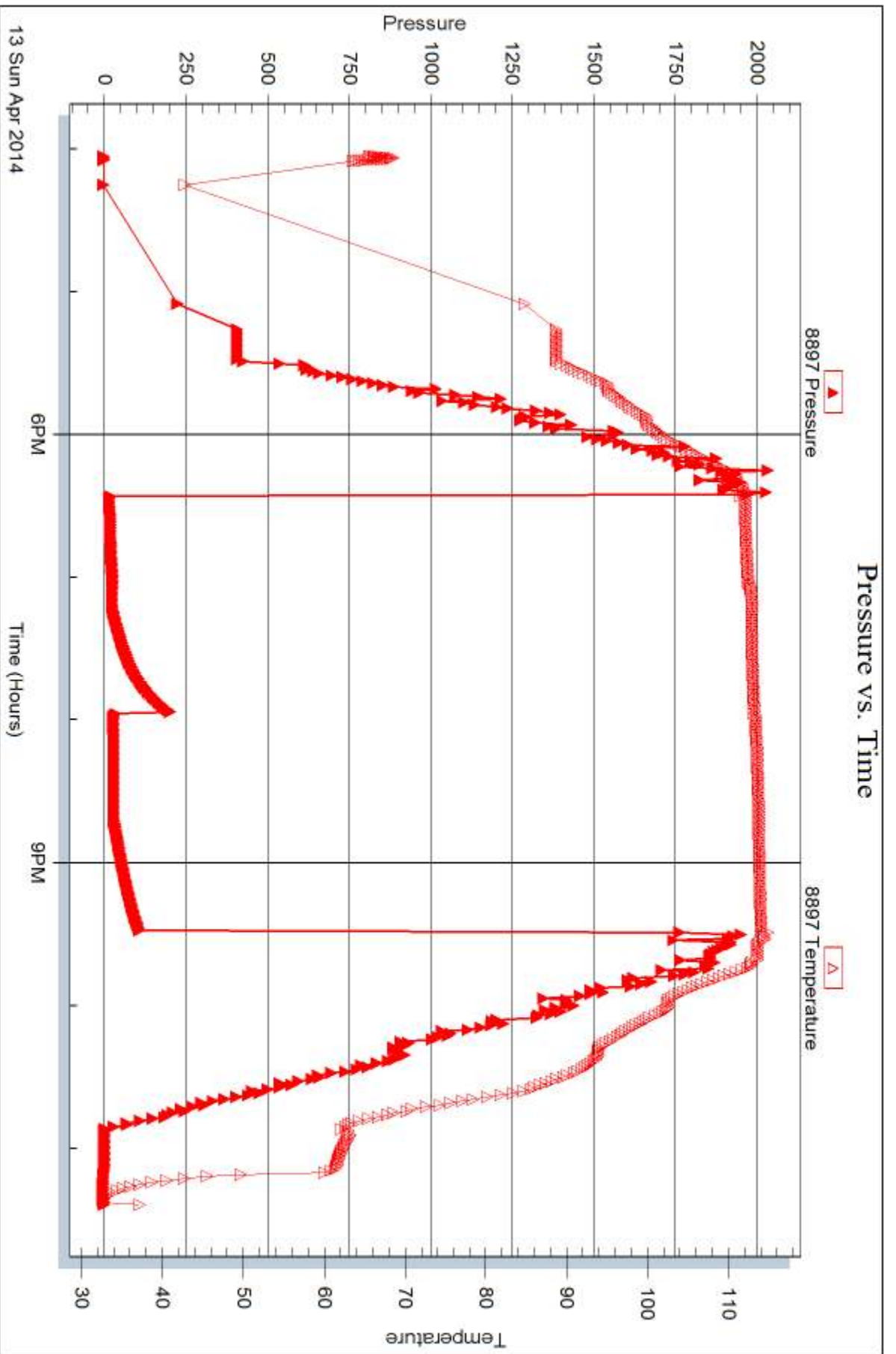
Serial #: 8897

Inside

Dow lng Nelson Oil Company

Well 'C' #1-4

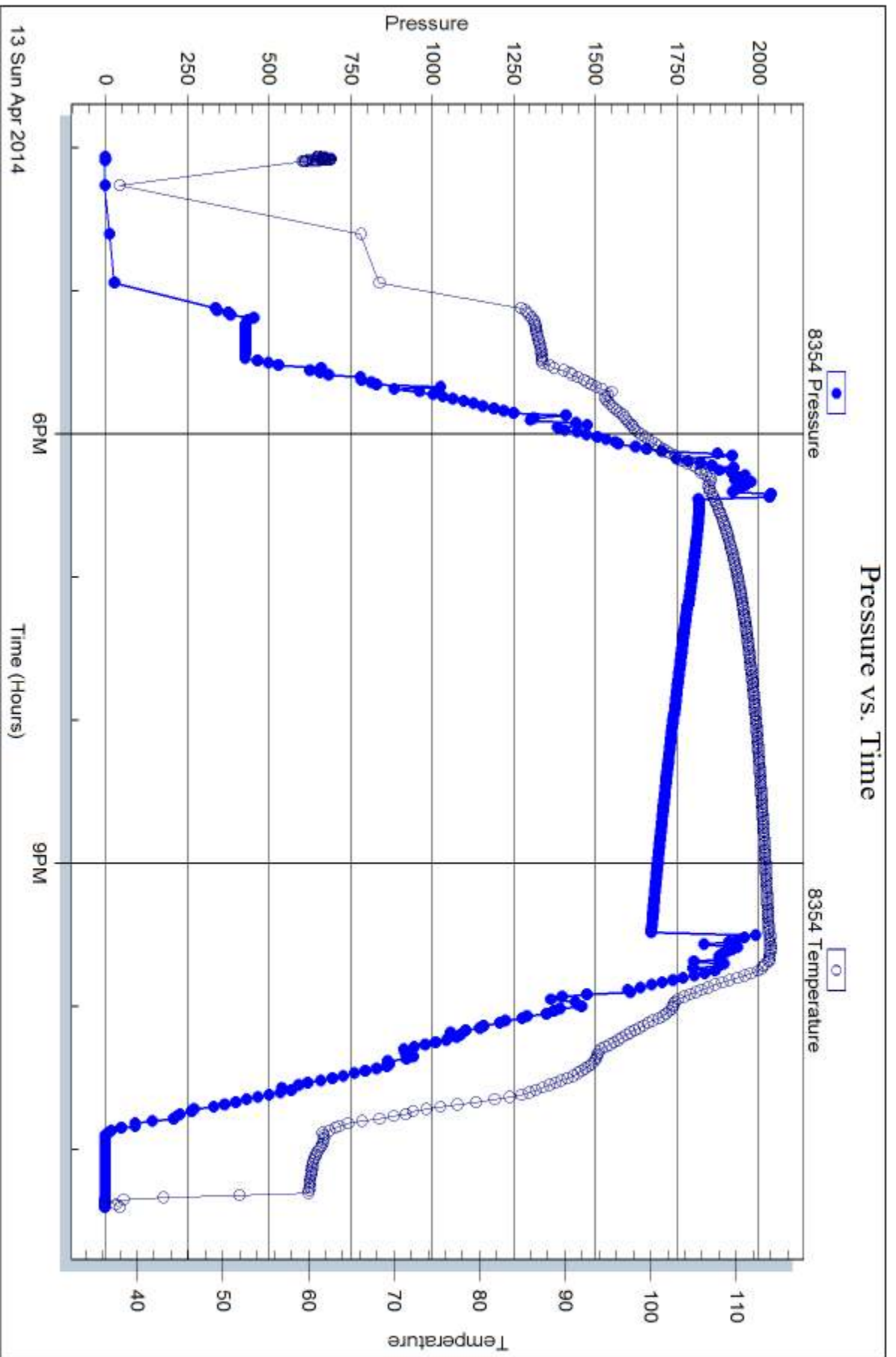
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 57564

Printed: 2014.04.16 @ 12:01:05





DRILL STEM TEST REPORT

Prepared For: **Dowing Nelson Oil Company**

PO Box 1019
Hays KS 67601

ATTN: Marc Dowling

Walt "C" #1-4

4-9s-24w Graham,KS

Start Date: 2014.04.14 @ 00:05:20

End Date: 2014.04.14 @ 07:11:10

Job Ticket #: 57566 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.04.16 @ 12:00:34

Dowing Nelson Oil Company
4-9s-24w Graham,KS
Walt "C" #1-4
DST # 3
LKC E&F
2014.04.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57566

DST#: 3

ATTN: Marc Dow ing

Test Start: 2014.04.14 @ 00:05:20

GENERAL INFORMATION:

Formation: **LKC E&F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:00:10

Time Test Ended: 07:11:10

Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3836.00 ft (KB) To 3885.00 ft (KB) (TVD)

Reference Elevations: 2450.00 ft (KB)

Total Depth: 4055.00 ft (KB) (TVD)

2442.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8898 Outside

Press@RunDepth: 57.19 psig @ 3841.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.14

End Date:

2014.04.14

Last Calib.:

2014.04.14

Start Time: 00:05:21

End Time:

07:11:10

Time On Btm:

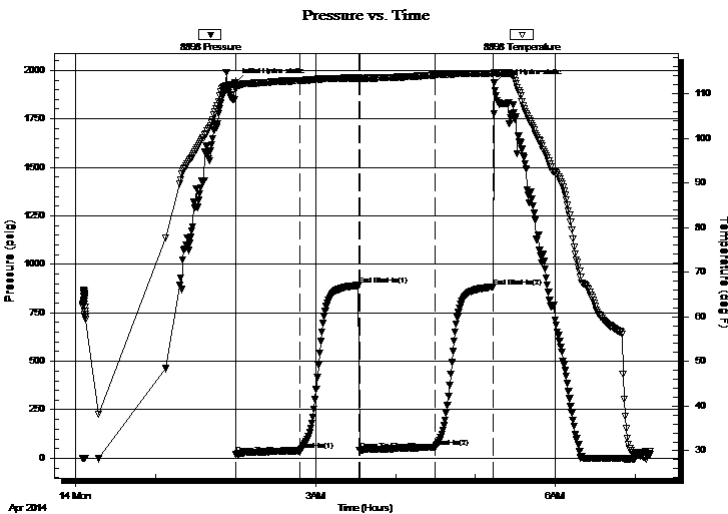
2014.04.14 @ 02:00:00

Time Off Btm:

2014.04.14 @ 05:13:59

TEST COMMENT: Fair blow built to 6"
Dead no blow back
Fair blow built to 6"
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1937.25	112.12	Initial Hydro-static
1	19.38	110.92	Open To Flow (1)
49	39.01	112.92	Shut-In(1)
93	892.04	113.52	End Shut-In(1)
93	39.82	113.29	Open To Flow (2)
150	57.19	114.19	Shut-In(2)
194	883.30	114.52	End Shut-In(2)
194	1934.19	114.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
85.00	30%O 70%M	0.92
5.00	100%O	0.07
0.00	30 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57566

DST#: 3

ATTN: Marc Dow ing

Test Start: 2014.04.14 @ 00:05:20

Tool Information

Drill Pipe:	Length: 3811.00 ft	Diameter: 3.80 inches	Volume: 53.46 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 53.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3836.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	3885.00 ft			
Interval between Packers:	49.00 ft			
Tool Length:	251.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3814.00	
Hydraulic tool	5.00			3819.00	
Jars	5.00			3824.00	
Safety Joint	2.00			3826.00	
Packer	5.00			3831.00	27.00 Bottom Of Top Packer
Packer	5.00			3836.00	
Stubb	1.00			3837.00	
Perforations	4.00			3841.00	
Recorder	0.00	8897	Inside	3841.00	
Recorder	0.00	8898	Outside	3841.00	
Change Over Sub	1.00			3842.00	
Drill Pipe	32.00			3874.00	
Change Over Sub	1.00			3875.00	
Perforations	5.00			3880.00	
Blank Off Sub	1.00			3881.00	
Blank Spacing	4.00			3885.00	49.00 Tool Interval
Packer	5.00			3890.00	
Stubb	1.00			3891.00	
Perforations	4.00			3895.00	
Recorder	0.00	8354	Below	3895.00	
Change Over Sub	1.00			3896.00	
Blank Spacing	160.00			4056.00	
Change Over Sub	1.00			4057.00	
Bullnose	3.00			4060.00	175.00 Bottom Packers & Anchor
Total Tool Length:	251.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ing Nelson Oil Company

4-9s-24w Graham,KS

PO Box 1019
Hays KS 67601

Walt "C" #1-4

Job Ticket: 57566

DST#: 3

ATTN: Marc Dow ing

Test Start: 2014.04.14 @ 00:05:20

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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in³

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
85.00	30%O 70%M	0.919
5.00	100%O	0.070
0.00	30 GIP	0.000

Total Length: 90.00 ft Total Volume: 0.989 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

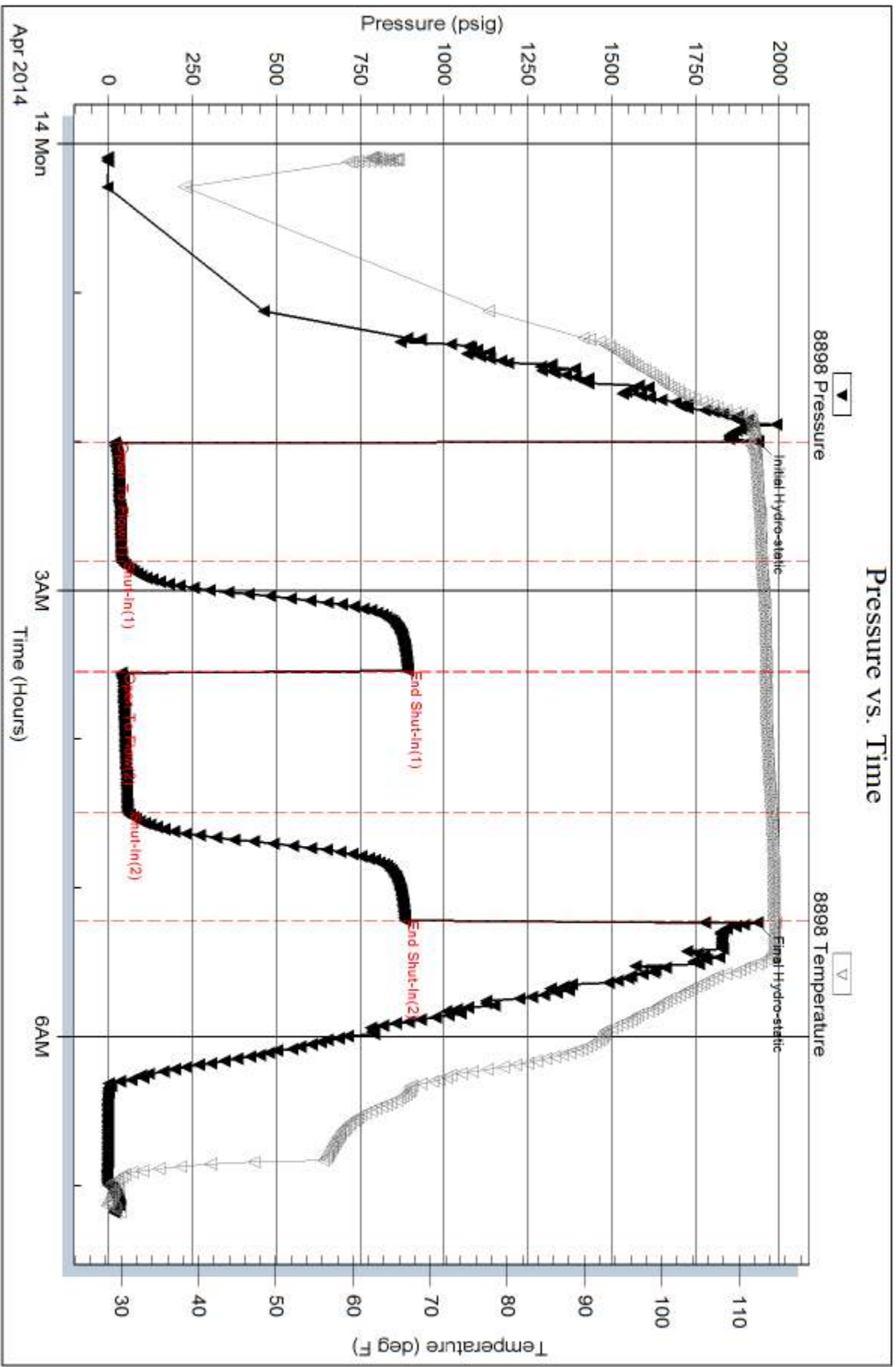
Recovery Comments:

Serial #: 8898

Outside Dowling Nelson Oil Company

Well 'C' #1-4

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 57566

Printed: 2014.04.16 @ 12:00:37

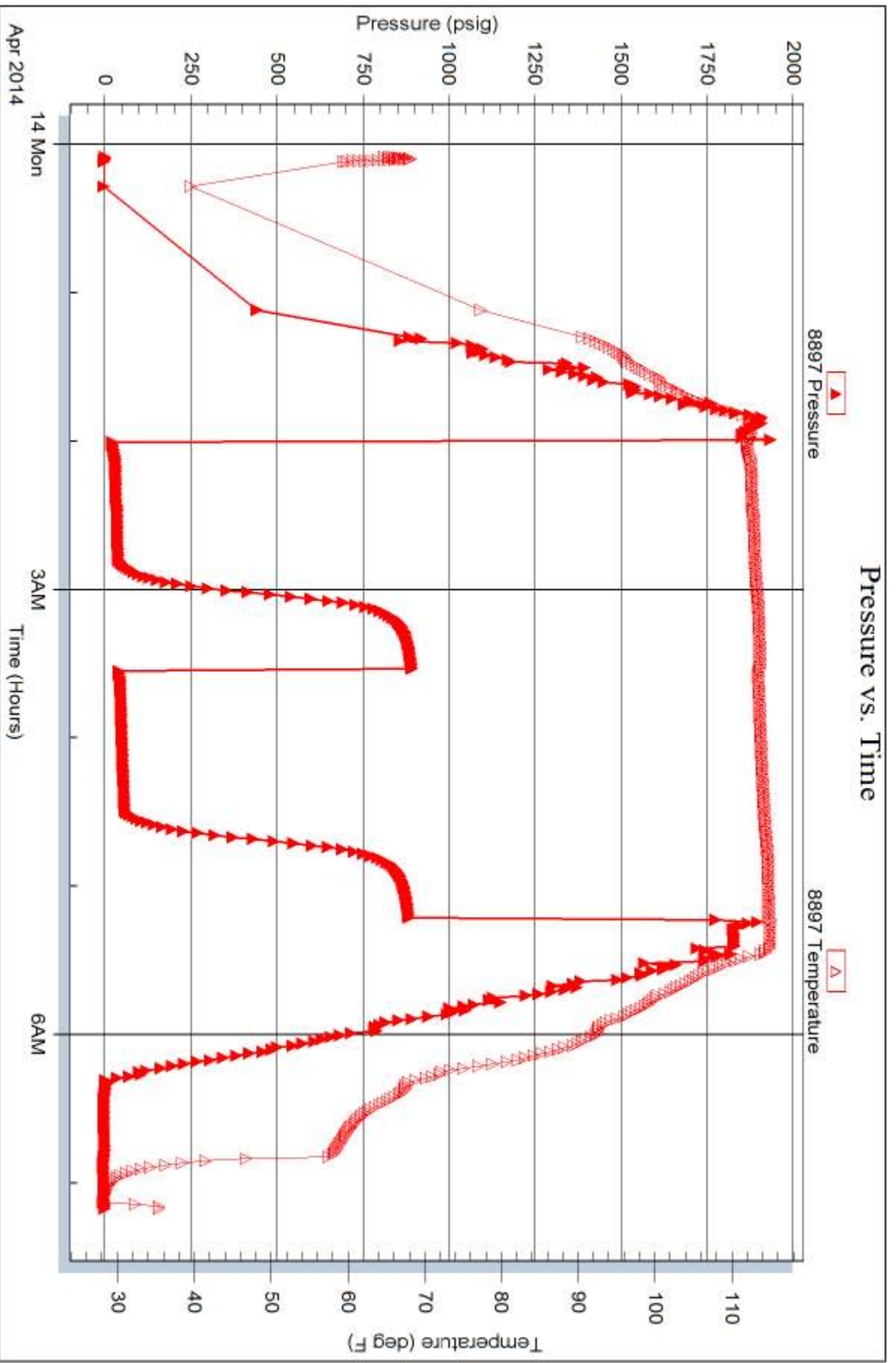
Serial #: 8897

Inside

Dowling Nelson Oil Company

Well 'C' #1-4

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 57566

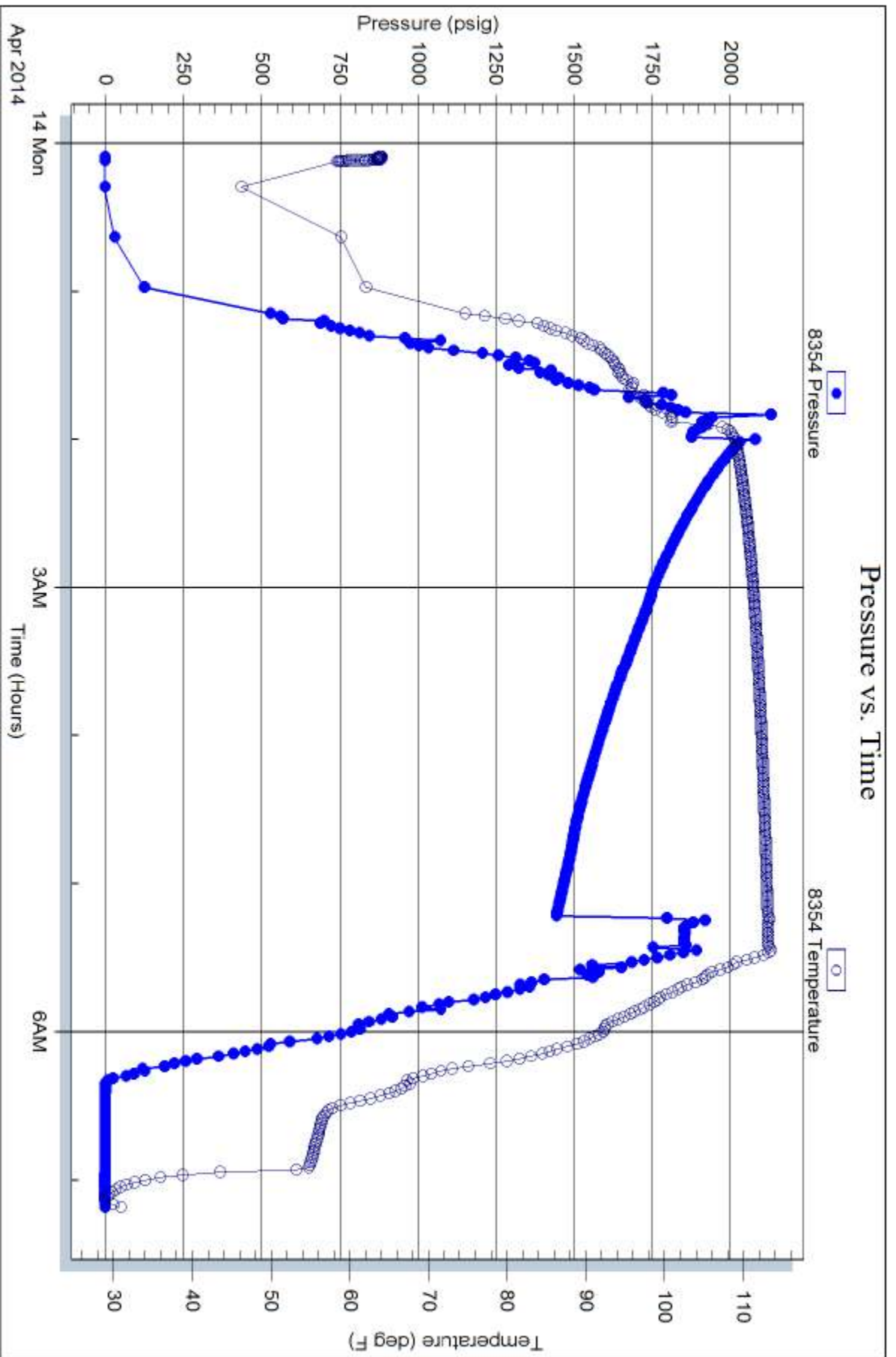
Printed: 2014.04.16 @ 12:00:37

Serial #: 8354

Below (Stratton) Nelson Oil Company

Well 'C' #1-4

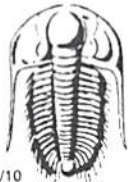
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 57566

Printed: 2014.04.16 @ 12:00:37



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57563

Well Name & No. Walt "C" # 1-4 Test No. 1 Date 4-12-14
 Company Downing Nelson Oil Company Elevation 2450 KB 2442 GL
 Address PO Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downey Rig Discovery # 1
 Location: Sec. 4 Twp. 9S Rge. 24W Co. Graham State KS

Interval Tested 3920 3946 Zone Tested I
 Anchor Length 26 Drill Pipe Run 3893 Mud Wt. 9.2
 Top Packer Depth 3915 Drill Collars Run 30 Vis 54
 Bottom Packer Depth 3920 Wt. Pipe Run 0 WL 8.8
 Total Depth 3946 Chlorides 2000 ppm System LCM 1#

Blow Description B.O.B. IN 17 mins
Dead no blow back
B.O.B. IN 35 mins
Dead no blow back

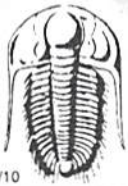
Rec	Feet of	%gas	%oil	%water	%mud
<u>360</u>	<u>Water</u>			<u>100</u>	
<u>40</u>	<u>WCM</u>			<u>40</u>	<u>60</u>
<u>1</u>	<u>Free Oil</u>		<u>100</u>		

Rec Total 401 BHT 119 Gravity _____ API RW 239 @ 60 °F Chlorides 35000 ppm
 (A) Initial Hydrostatic 1962 Test 1150 T-On Location 14:40
 (B) First Initial Flow 21 Jars _____ T-Started 15:50
 (C) First Final Flow 136 Safety Joint _____ T-Open 17:50
 (D) Initial Shut-In 357 Circ Sub _____ T-Pulled 20:50
 (E) Second Initial Flow 138 Hourly Standby _____ T-Out 23:03
 (F) Second Final Flow 208 Mileage 124 RM 192.20 Comments _____
 (G) Final Shut-In 357 Sampler _____
 (H) Final Hydrostatic 1923 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1342.20
 Accessibility _____ MP/DST Disc't _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1342.20

Approved By _____ 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. 57564

Well Name & No. Well "C" #1-21 Test No. 2 Date 4-13-14
 Company DNOC Elevation 2450 KB 2442 GL
 Address PO Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 4 Twp. 9S Rge. 24W Co. Graham State KS

Interval Tested 3939-3977 Zone Tested J+K
 Anchor Length 78 Tail 38 Drill Pipe Run 3910 Mud Wt. 9.3
 Top Packer Depth 3934 Drill Collars Run 30 Vis 51
 Bottom Packer Depth 3939 Wt. Pipe Run 0 WL 8.8
 Total Depth 4055 Chlorides 3000 ppm System LCM 1#

Blow Description Weak surface blow built to 3 in
Dead no blow back
Weak surface blow built to 1 1/2 in
Dead no blow back

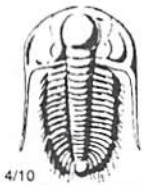
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>40</u>	Feet of <u>0.1m</u>		<u>40</u> %oil		<u>60</u> %mud
Rec <u>0</u>	Feet of <u>20' GIP</u>	<u>100</u> %gas			
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1956 Test 1250 T-On Location 15:00
 (B) First Initial Flow 17 Jars _____ T-Started 16:03
 (C) First Final Flow 26 Safety Joint _____ T-Open 18:26
 (D) Initial Shut-In 208 Circ Sub _____ T-Pulled 22:26
 (E) Second Initial Flow 29 Hourly Standby _____ T-Out 23:24
 (F) Second Final Flow 29 Mileage 192.20 Comments _____
 (G) Final Shut-In 113 Sampler _____
 (H) Final Hydrostatic 1967 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2042.20
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2042.20

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57566

Well Name & No. Walt "C" #1-4 Test No. 3 Date 4-14-14
 Company DNOC Elevation 2450 KB 2442 GL
 Address PO Box 1019 Hays KS 67601
 Co. Rep / Geo. Marc Downing Rig Discovery #1
 Location: Sec. 4 Twp. 9S Rge. 24W Co. Graham State KS

Interval Tested 3836 3885 Zone Tested E&F
 Anchor Length 49' 170 Tail Drill Pipe Run 3811 Mud Wt. 9.3
 Top Packer Depth 3831 Drill Collars Run 30 Vis ST
 Bottom Packer Depth 3836 Wt. Pipe Run 0 WL 8.0
 Total Depth 3840 4055 Chlorides 3006 ppm System LCM 1#

Blow Description Fair blow built to 6in
Dead no blow back
Fair surface blow built to 6in
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>95</u>	Feet of <u>OCM</u>	%gas <u>30</u>	%oil	%water	%mud <u>70</u>
Rec <u>5</u>	Feet of <u>Clear Oil</u>	%gas <u>100</u>	%oil	%water	%mud
Rec <u>0</u>	Feet of <u>30' GIP</u>	<u>100</u> %gas	%oil	%water	%mud

Rec Total 90 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1937 Test 1250 T-On Location _____
 (B) First Initial Flow 19 Jars _____ T-Started 00:05
 (C) First Final Flow 39 Safety Joint _____ T-Open 02:01
 (D) Initial Shut-In 892 Circ Sub _____ T-Pulled 05:01
 (E) Second Initial Flow 210 Hourly Standby _____ T-Out 07:11
 (F) Second Final Flow 57 Mileage _____ Comments _____
 (G) Final Shut-In 883 Sampler _____
 (H) Final Hydrostatic 1934 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1850
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1850

Approved By _____ Our Representative [Signature]
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