



DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas Inc.**

PO Box 559
Goddard KS 67052

ATTN: David Goldak

Snowbarger #1

21-23s-10w Reno,KS

Start Date: 2012.09.26 @ 07:23:17

End Date: 2012.09.26 @ 14:55:32

Job Ticket #: 49610 DST #: 1

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

Printed: 2012.10.01 @ 15:18:48



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Novy Oil & Gas Inc.

21-23s-10w Reno,KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49610

DST#: 1

ATTN: David Goldak

Test Start: 2012.09.26 @ 07:23:17

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:36:47

Time Test Ended: 14:55:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3772.00 ft (KB) To 3782.00 ft (KB) (TVD)

Reference Elevations: 1786.00 ft (KB)

Total Depth: 3782.00 ft (KB) (TVD)

1777.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 32.32 psig @ 3773.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.26

End Date: 2012.09.26

Last Calib.: 2012.09.26

Start Time: 07:23:22

End Time: 14:55:31

Time On Btm: 2012.09.26 @ 09:35:47

Time Off Btm: 2012.09.26 @ 13:07:02

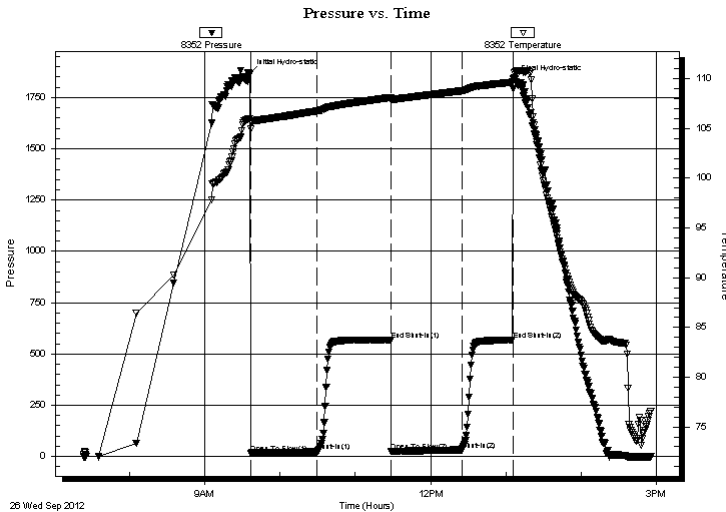
TEST COMMENT: IF:Weak surface blow . Dead in 40 mins.

IS:No blow .

FF:No blow .

FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.66	106.03	Initial Hydro-static
1	17.11	104.93	Open To Flow (1)
54	23.12	106.76	Shut-In(1)
113	569.18	108.12	End Shut-In(1)
113	24.50	107.86	Open To Flow (2)
169	32.32	108.80	Shut-In(2)
210	567.55	109.67	End Shut-In(2)
212	1839.64	110.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCWM 2%o 13%w 85%m	69.94
0.00	1" layer of clean oil @ top of tool	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Novy Oil & Gas Inc.

21-23s-10w Reno,KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49610

DST#: 1

ATTN: David Goldak

Test Start: 2012.09.26 @ 07:23:17

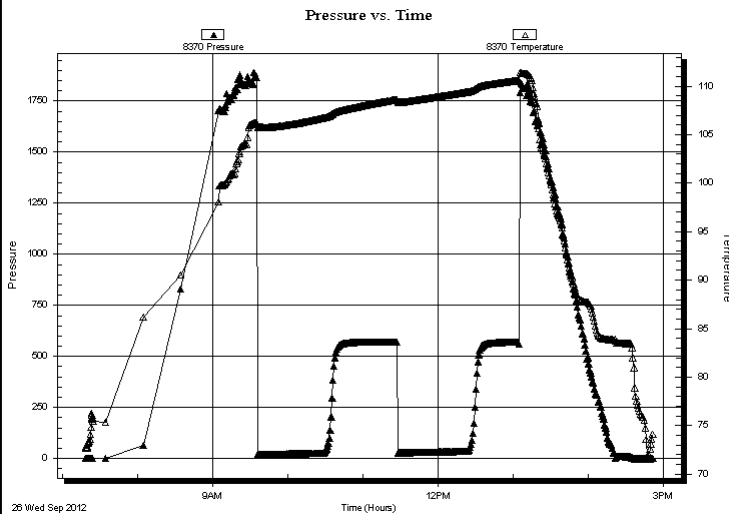
GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:36:47
 Time Test Ended: 14:55:32
Interval: 3772.00 ft (KB) To 3782.00 ft (KB) (TVD)
 Total Depth: 3782.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1786.00 ft (KB)
 1777.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8370 **Inside**

Press @ Run Depth: psig @ 3773.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.26 End Date: 2012.09.26 Last Calib.: 2012.09.26
 Start Time: 07:18:44 End Time: 14:51:38 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:Weak surface blow . Dead in 40 mins.
 IS:No blow .
 FF:No blow .
 FS:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCWM 2%o 13%w 85% m	69.94
0.00	1" layer of clean oil @ top of tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas Inc.

21-23s-10w Reno,KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49610

DST#: 1

ATTN: David Goldak

Test Start: 2012.09.26 @ 07:23:17

Tool Information

Drill Pipe:	Length: 3629.00 ft	Diameter: 3.80 inches	Volume: 50.91 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 120.00 inches	Volume: 1678.62 bbl	Weight to Pull Loose:	67000.00 lb
			<u>Total Volume: 1729.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3772.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	38.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3745.00	
Shut in tool	5.00			3750.00	
HMV	5.00			3755.00	
Jars	5.00			3760.00	
Safety Joint	3.00			3763.00	
Packer	4.00			3767.00	28.00 Bottom Of Top Packer
Packer	5.00			3772.00	
Stubb	1.00			3773.00	
Recorder	0.00	8370	Inside	3773.00	
Recorder	0.00	8352	Outside	3773.00	
Perforations	4.00			3777.00	
Bullnose	5.00			3782.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas Inc.

21-23s-10w Reno,KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49610

DST#: 1

ATTN: David Goldak

Test Start: 2012.09.26 @ 07:23:17

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:

4700 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCWM 2%o 13%w 85%m	69.943
0.00	1" layer of clean oil @ top of tool	0.000

Total Length: 5.00 ft Total Volume: 69.943 bbl

Num Fluid Samples: 0

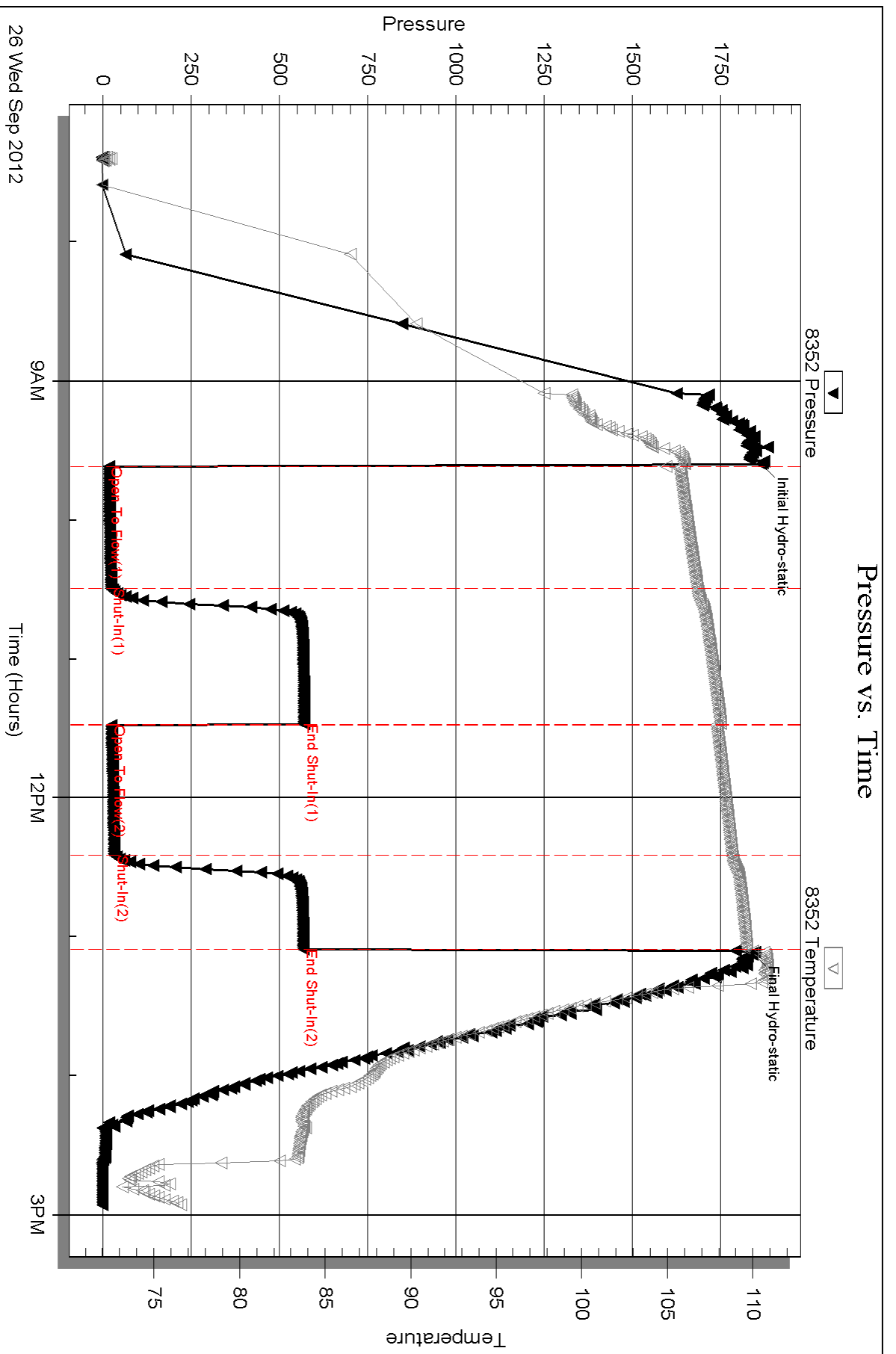
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



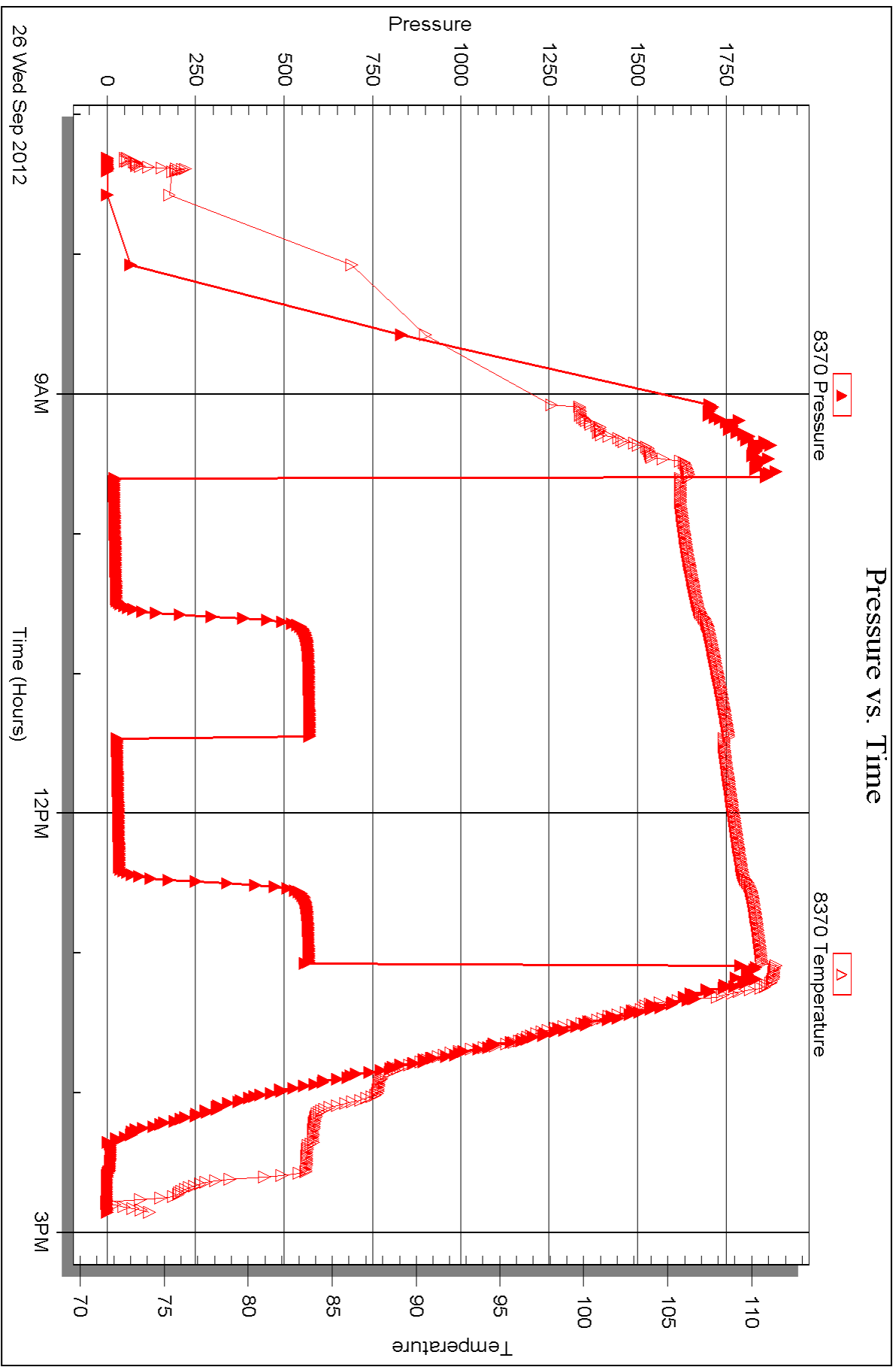
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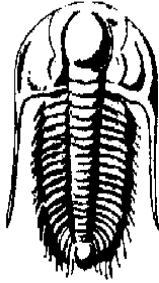
Inside

Novy Oil & Gas Inc.

Snow barger #1

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas Inc.**

PO Box 559
Goddard KS 67052

ATTN: David Goldak

Snowbarger #1

21-23s-10w Reno,KS

Start Date: 2012.09.27 @ 01:18:26

End Date: 2012.09.27 @ 09:57:56

Job Ticket #: 49611 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.01 @ 15:18:00

Novy Oil & Gas Inc. 21-23s-10w Reno,KS Snowbarger #1 DST # 2 Viola 2012.09.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Novy Oil & Gas Inc.

21-23s-10w Reno,KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49611

DST#: 2

ATTN: David Goldak

Test Start: 2012.09.27 @ 01:18:26

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:21:26

Time Test Ended: 09:57:56

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3782.00 ft (KB) To 3792.00 ft (KB) (TVD)

Reference Elevations: 1786.00 ft (KB)

Total Depth: 3792.00 ft (KB) (TVD)

1777.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ RunDepth: 264.98 psig @ 3783.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.27

End Date:

2012.09.27

Last Calib.:

2012.09.27

Start Time: 01:18:31

End Time:

09:57:56

Time On Btm:

2012.09.27 @ 03:20:11

Time Off Btm:

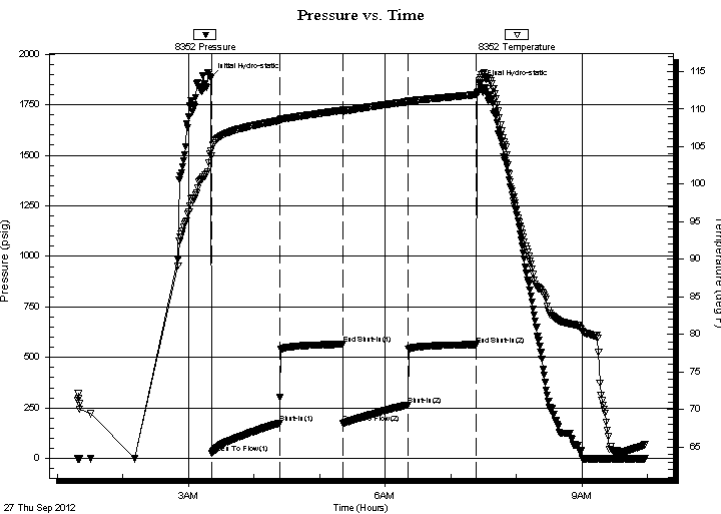
2012.09.27 @ 07:26:56

TEST COMMENT: IF: Fair to Strong blow . B.O.B. in 26 mins.

IS: No blow .

FF: Fair blow . Increase to 13".

FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1884.71	104.39	Initial Hydro-static
2	24.72	103.82	Open To Flow (1)
63	174.61	108.48	Shut-In(1)
122	564.89	109.86	End Shut-In(1)
122	174.64	109.66	Open To Flow (2)
181	264.98	110.97	Shut-In(2)
244	563.48	111.93	End Shut-In(2)
247	1850.87	113.94	Final Hydro-static

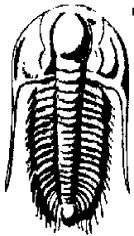
Recovery

Length (ft)	Description	Volume (bbl)
434.00	SW w/o specs	1683.03
120.00	OCMW 6%o 9%m 85%w	1.68
1.00	Clean oil	0.01
0.00	180 ft.of GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Novy Oil & Gas Inc.

21-23s-10w Reno, KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49611 **DST#: 2**

ATTN: David Goldak

Test Start: 2012.09.27 @ 01:18:26

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:21:26

Time Test Ended: 09:57:56

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3782.00 ft (KB) To 3792.00 ft (KB) (TVD)

Reference Elevations: 1786.00 ft (KB)

Total Depth: 3792.00 ft (KB) (TVD)

1777.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 8370 Inside

Press @ RunDepth: psig @ 3783.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.27 End Date: 2012.09.27

Last Calib.: 2012.09.27

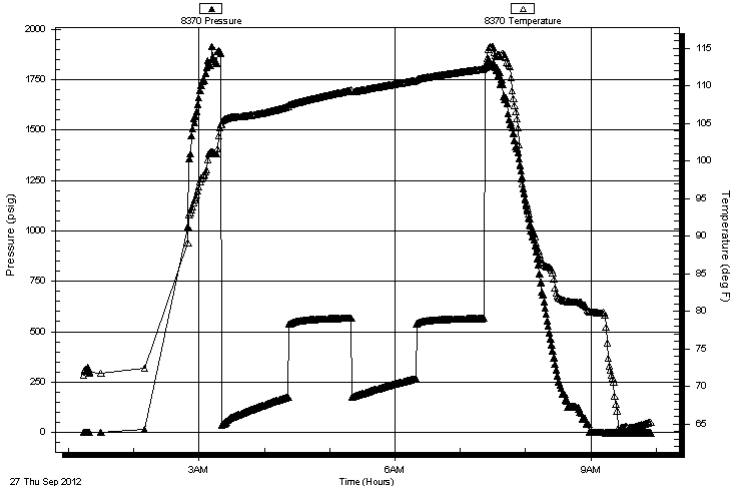
Start Time: 01:13:57 End Time: 09:55:07

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Fair to Strong blow . B.O.B. in 26 mins.
IS: No blow .
FF: Fair blow . Increase to 13".
FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
434.00	SW w/o specs	1683.03
120.00	OCMW 6%o 9%m 85%w	1.68
1.00	Clean oil	0.01
0.00	180 ft.of 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

Novy Oil & Gas Inc.

21-23s-10w Reno,KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49611

DST#: 2

ATTN: David Goldak

Test Start: 2012.09.27 @ 01:18:26

Tool Information

Drill Pipe:	Length: 3654.00 ft	Diameter: 3.80 inches	Volume: 51.26 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 120.00 inches	Volume: 1678.62 bbl	Weight to Pull Loose: 94000.00 lb
			<u>Total Volume: 1729.88 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 49500.00 lb
Depth to Top Packer:	3782.00 ft			Final 52500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3755.00	
Shut in tool	5.00			3760.00	
HMV	5.00			3765.00	
Jars	5.00			3770.00	
Safety Joint	3.00			3773.00	
Packer	4.00			3777.00	28.00 Bottom Of Top Packer
Packer	5.00			3782.00	
Stubb	1.00			3783.00	
Recorder	0.00	8370	Inside	3783.00	
Recorder	0.00	8352	Outside	3783.00	
Perforations	4.00			3787.00	
Bullnose	5.00			3792.00	10.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas Inc.

21-23s-10w Reno,KS

PO Box 559
Goddard KS 67052

Snowbarger #1

Job Ticket: 49611

DST#: 2

ATTN: David Goldak

Test Start: 2012.09.27 @ 01:18:26

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:

56000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
434.00	SW w/o specs	1683.026
120.00	OCMW 6%o 9%m 85%w	1.683
1.00	Clean oil	0.014
0.00	180 ft.of GIP	0.000

Total Length: 555.00 ft Total Volume: 1684.723 bbl

Num Fluid Samples: 0

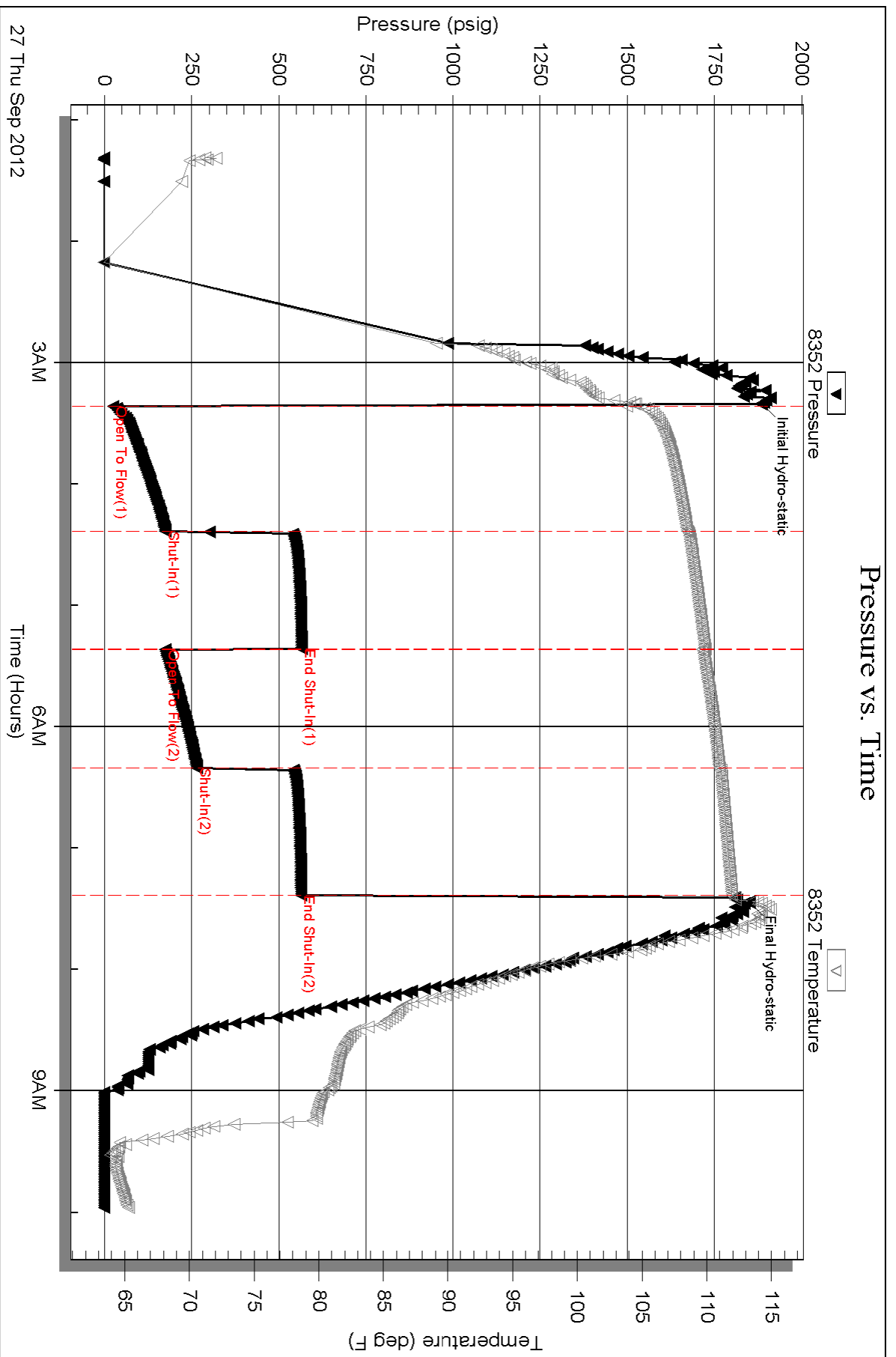
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Read 415 ppm H₂s on floor Rw .2ohms@49deg



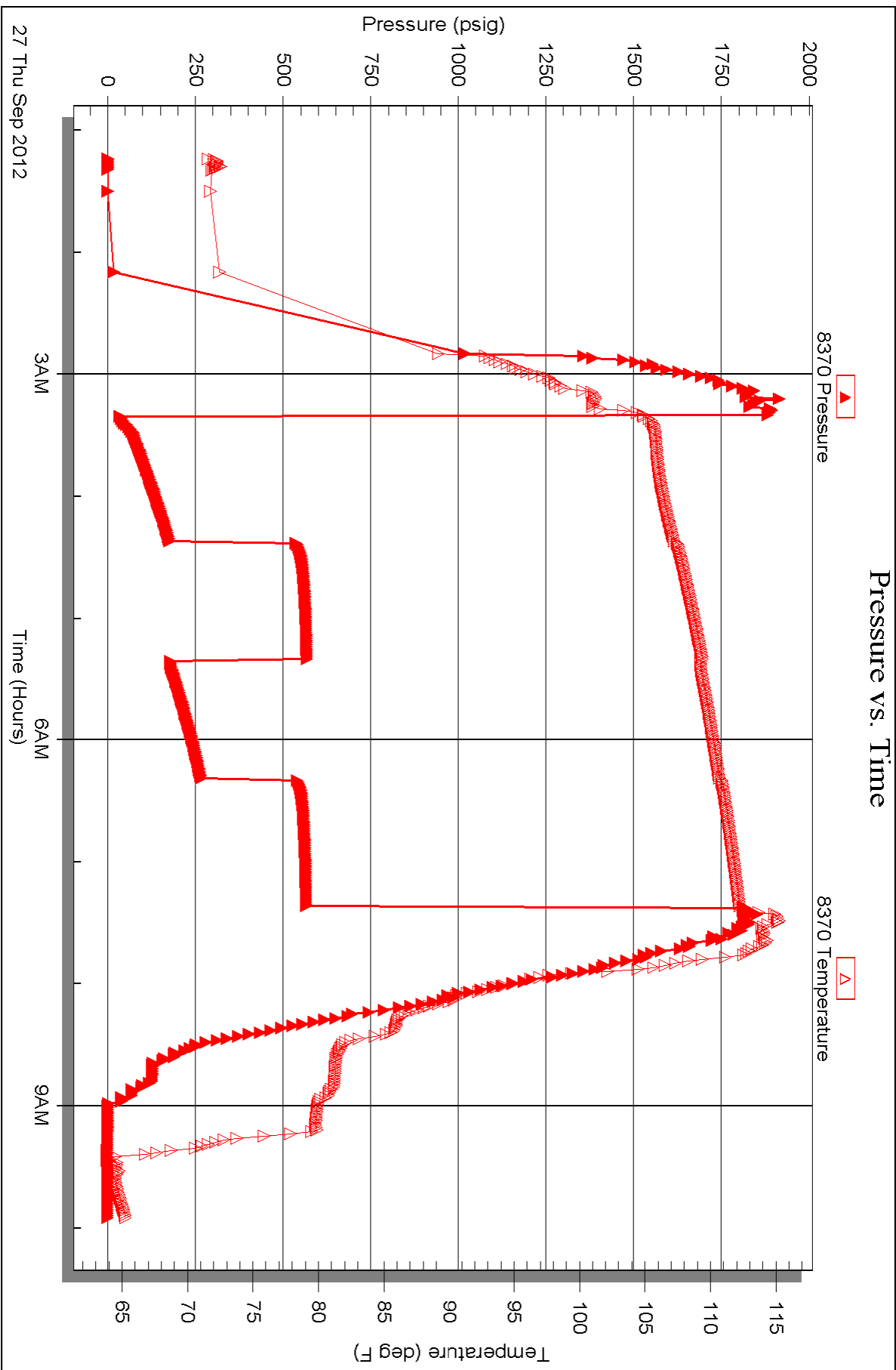
Serial #: 8370

Inside

Novy Oil & Gas Inc.

Snow barger #1

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49610

4/10

Well Name & No. SNOWBARGER #1 Test No. 1 Date 9-26-12
 Company NOVA OIL & GAS INC. Elevation 1786 KB 1777 GL
 Address P.O. Box 559, GOODARD Ks. 67052
 Co. Rep / Geo. DAVID GOLDAK Rig LANDMARK DRIG. #6
 Location: Sec. 21 Twp. 23S Rge. 10W Co. RENO State Ks.

Interval Tested 3772 - 3782' Zone Tested VIOLA
 Anchor Length 10' Drill Pipe Run 3629' Mud Wt. 9.2
 Top Packer Depth 3767' Drill Collars Run 120 Vis 52
 Bottom Packer Depth 3772' Wt. Pipe Run 0 WL 12.0 cc
 Total Depth 3782' Chlorides 4700 ppm System LCM 1 #
 Blow Description IF: Weak surface blow. Dead in 40 mins.
ISI: No blow.
FF: No blow. FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>SOCUM</u>	<u>2</u>	<u>13</u>	<u>85</u>	
Rec	Feet of <u>1" layer of clean oil @ top</u>	%gas	%oil	%water	%mud
Rec	Feet of <u>of tool</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 110° Gravity N/A API RW NC @ °F Chlorides 4700 ppm
 (A) Initial Hydrostatic 1865 Test 1150 T-On Location 0605
 (B) First Initial Flow 17 Jars 250 T-Started 0723
 (C) First Final Flow 23 Safety Joint 75 T-Open 0936
 (D) Initial Shut-In 569 Circ Sub T-Pulled 1304
 (E) Second Initial Flow 25 Hourly Standby T-Out 1455
 (F) Second Final Flow 32 Mileage 85 131.75 Comments _____
 (G) Final Shut-In 568 Sampler _____
 (H) Final Hydrostatic 1840 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility 150 MP/DST Disc _____
 Sub Total 1756.75

Approved By [Signature] 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49611

4/10

Well Name & No. SNOWBARGER #1 Test No. 2 Date 9-27-12
 Company NOVA OIL & GAS INC. Elevation 1786 KB 1777 GL
 Address P.O. Box 559, GODDARD Ks. 67052
 Co. Rep / Geo. DAVID GOLDAK Rig LANDMARK DRILL #6
 Location: Sec. 21 Twp. 23S Rge. 10W Co. RENO State Ks.

Interval Tested 3782 ~ 3792' Zone Tested VIOLA
 Anchor Length 10' Drill Pipe Run 3654' Mud Wt. 9.0
 Top Packer Depth 3777' Drill Collars Run 120' Vis SS
 Bottom Packer Depth 3782' Wt. Pipe Run 0 WL 11.2
 Total Depth 3792' Chlorides 6500 ppm System LCM #

Blow Description IF: Fair to strong blow. B.O.B. in 26 mins.
ISI: No blow.
FF: Fair blow. Increase to 13". FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Feet of Clean oil (180' of GIP)</u>				
<u>120</u>	<u>Feet of OCMW</u>		<u>6</u>	<u>85</u>	<u>9</u>
<u>434</u>	<u>Feet of SW w/o specs</u>				

Rec Total 555 BHT 112° Gravity N/A API RW -2 @ 49 °F Chlorides 56,000 ppm

(A) Initial Hydrostatic <u>1885</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>0053</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>0118</u>
(C) First Final Flow <u>175</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>0321</u>
(D) Initial Shut-In <u>565</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0716</u>
(E) Second Initial Flow <u>175</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0957</u>
(F) Second Final Flow <u>265</u>	<input checked="" type="checkbox"/> Mileage <u>85</u> 131.75	Comments _____
(G) Final Shut-In <u>563</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1851</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1756.75</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Accessibility 150	MP/DST Disc't _____
	Sub Total <u>1756.75</u>	

Approved By [Signature] 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.