



KANSAS CORPORATION COMMISSION 1104133
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31714
Name: Novy Oil & Gas, Inc.
Address 1: PO BOX 559
Address 2: _____
City: GODDARD State: KS Zip: 67052 + 0559
Contact Person: Michael Novy
Phone: (316) 794-7200
CONTRACTOR: License # 33549
Name: Landmark Drilling, LLC
Wellsite Geologist: Dave Goldak
Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: Rupe Oil Co, Inc.
Well Name: Snowberger

Original Comp. Date: 04/09/1985 Original Total Depth: 3950

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

<u>09/19/2012</u>	<u>09/27/2012</u>	<u>10/15/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-155-21039-00-01

Spot Description:
S2 NW NE NE Sec. 21 Twp. 23 S. R. 10 East West
4850 Feet from North / South Line of Section
990 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Reno

Lease Name: snowbarger Well #: 1

Field Name: _____

Producing Formation: Viola

Elevation: Ground: 1776 Kelly Bushing: 1786

Total Depth: 3832 Plug Back Total Depth: 3822

Amount of Surface Pipe Set and Cemented at: 209 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 cml.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 12900 ppm Fluid volume: 700 bbls

Dewatering method used: Evaporated

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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Gamson Date: 12/20/2012



1104133

Operator Name: Novy Oil & Gas, Inc. Lease Name: snowbarger Well #: 1
 Sec. 21 Twp. 23 S. R. 10 East West County: Reno

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: GR, NEU GR CBL	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3114</td> <td>-1328</td> </tr> <tr> <td>Lansing</td> <td>3310</td> <td>-1524</td> </tr> <tr> <td>Missiaaipian</td> <td>3613</td> <td>-1830</td> </tr> <tr> <td>Kinderhook</td> <td>3654</td> <td>-1868</td> </tr> <tr> <td>Viloa</td> <td>3776</td> <td>-1990</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3114	-1328	Lansing	3310	-1524	Missiaaipian	3613	-1830	Kinderhook	3654	-1868	Viloa	3776	-1990
Name	Top	Datum																	
Heebner	3114	-1328																	
Lansing	3310	-1524																	
Missiaaipian	3613	-1830																	
Kinderhook	3654	-1868																	
Viloa	3776	-1990																	

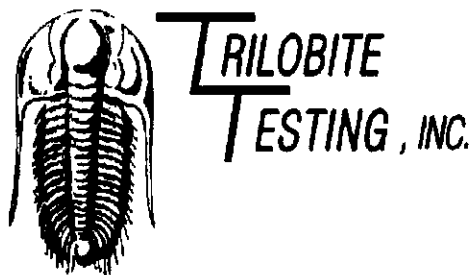
CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surf	12.25	8.625	23	209	common	275	3%cc 2%gel
production	7.875	5.5	15.5	3832	60/40 poz	150	10# gil .25# cel

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	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	3794 - 3798	500 gal 15% mca	3794 - 3798

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3750</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Date of First, Resumed Production, SWD or ENHR. <u>12/07/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____										
Estimated Production Per 24 Hours	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">Oil Bbls.</td> <td style="width:15%;">Gas Mcf</td> <td style="width:15%;">Water Bbls.</td> <td style="width:15%;">Gas-Oil Ratio</td> <td style="width:15%;">Gravity</td> </tr> <tr> <td style="text-align: center;">10</td> <td> </td> <td style="text-align: center;">2000</td> <td> </td> <td> </td> </tr> </table>	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	10		2000		
Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity							
10		2000									

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>3794</u> <u>3798</u>
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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

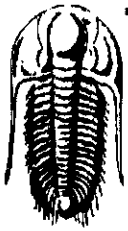
Job Ticket #: 49610 DST #: 1

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@RunDepth: 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

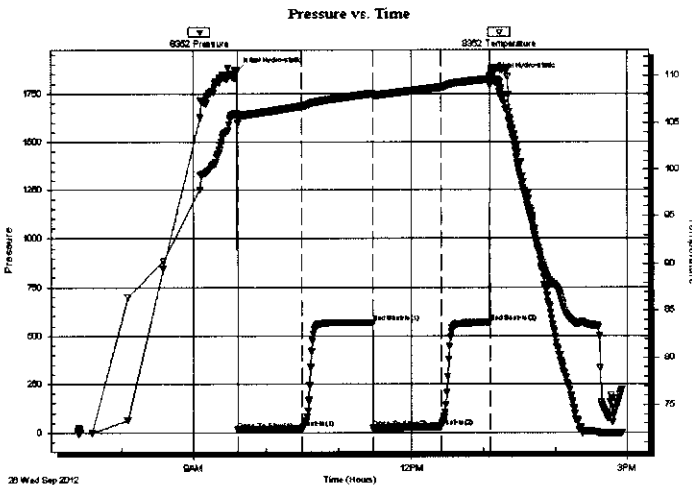
Time Off Btm: 2012.09.26 @ 13:07:02

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

IS:No blow .

FF:No blow .

FSI:No blow .



PRESSURE SUMMARY

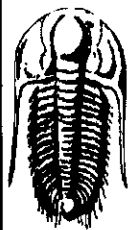
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1864.66	106.03	Initial Hydro-static
1	17.11	104.93	Open To Flow (1)
54	23.12	106.76	Shut-In(1)
113	569.18	108.12	End Shut-In(1)
113	24.50	107.86	Open To Flow (2)
169	32.32	108.80	Shut-In(2)
210	567.55	109.67	End Shut-In(2)
212	1839.64	110.68	Final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

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 #: 8370

Inside

Press@RunDepth: 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:

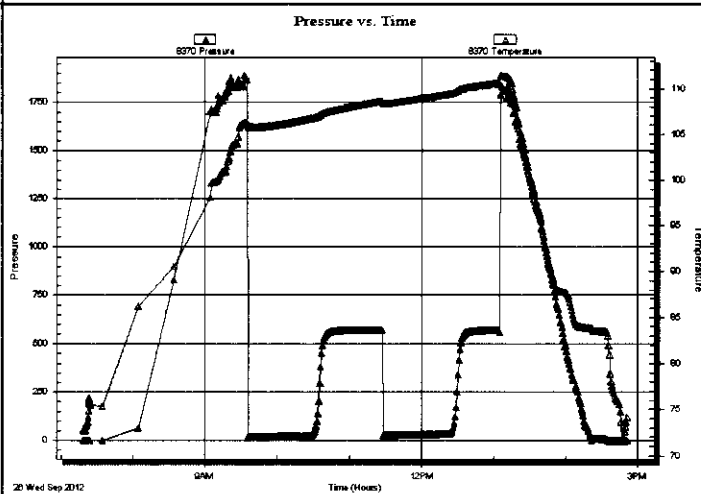
Time Off Btm:

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

IS:No blow .

FF:No blow .

FSl:No blow .



PRESSURE SUMMARY

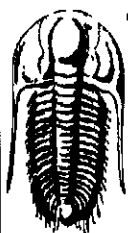
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

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

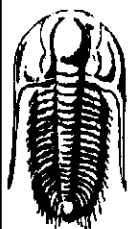
Tool Information

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
		Total Volume: 1729.53 bbl		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
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:

bbf

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 bbf
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 bbf

Num Fluid Samples: 0

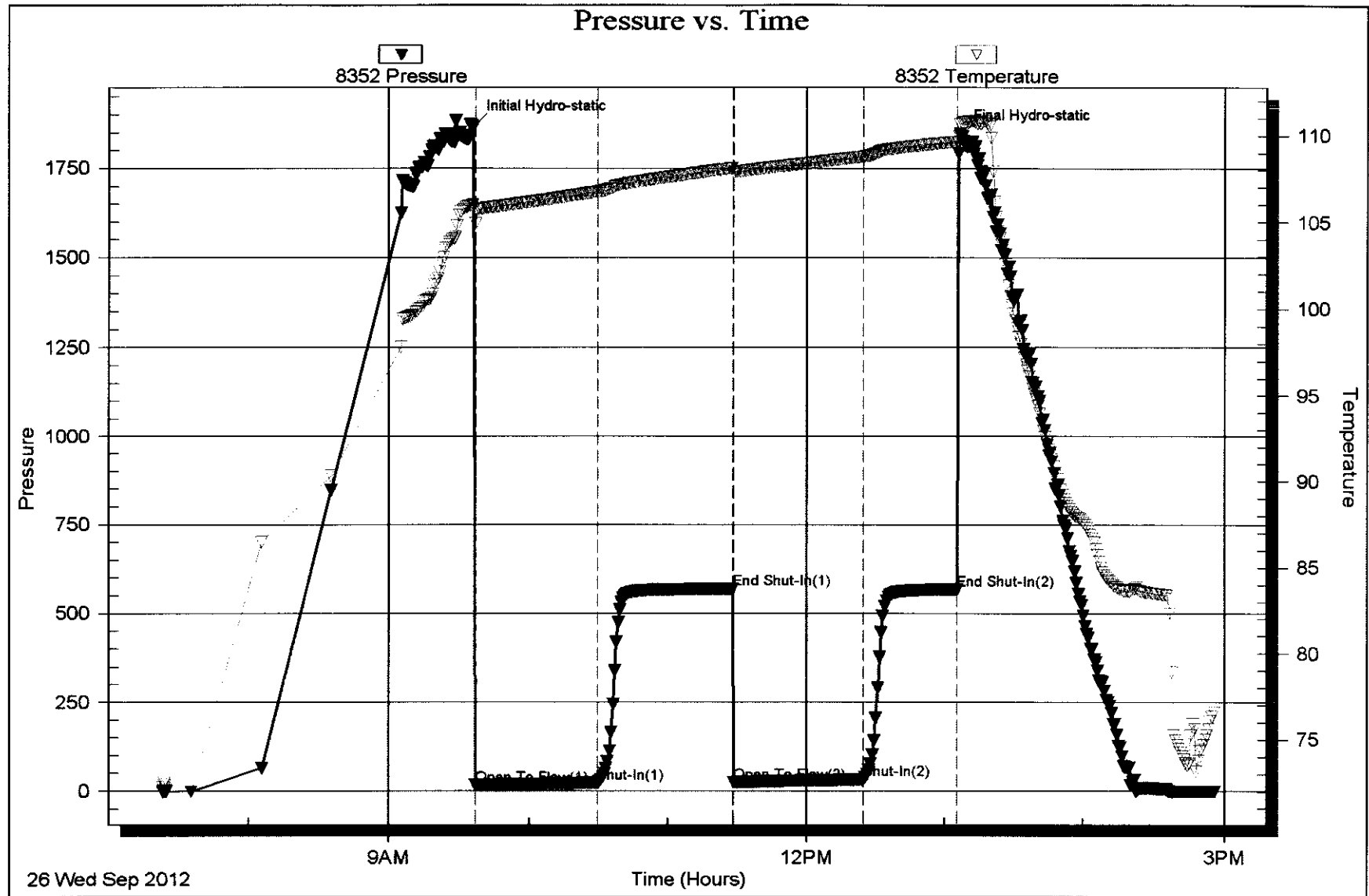
Num Gas Bombs: 0

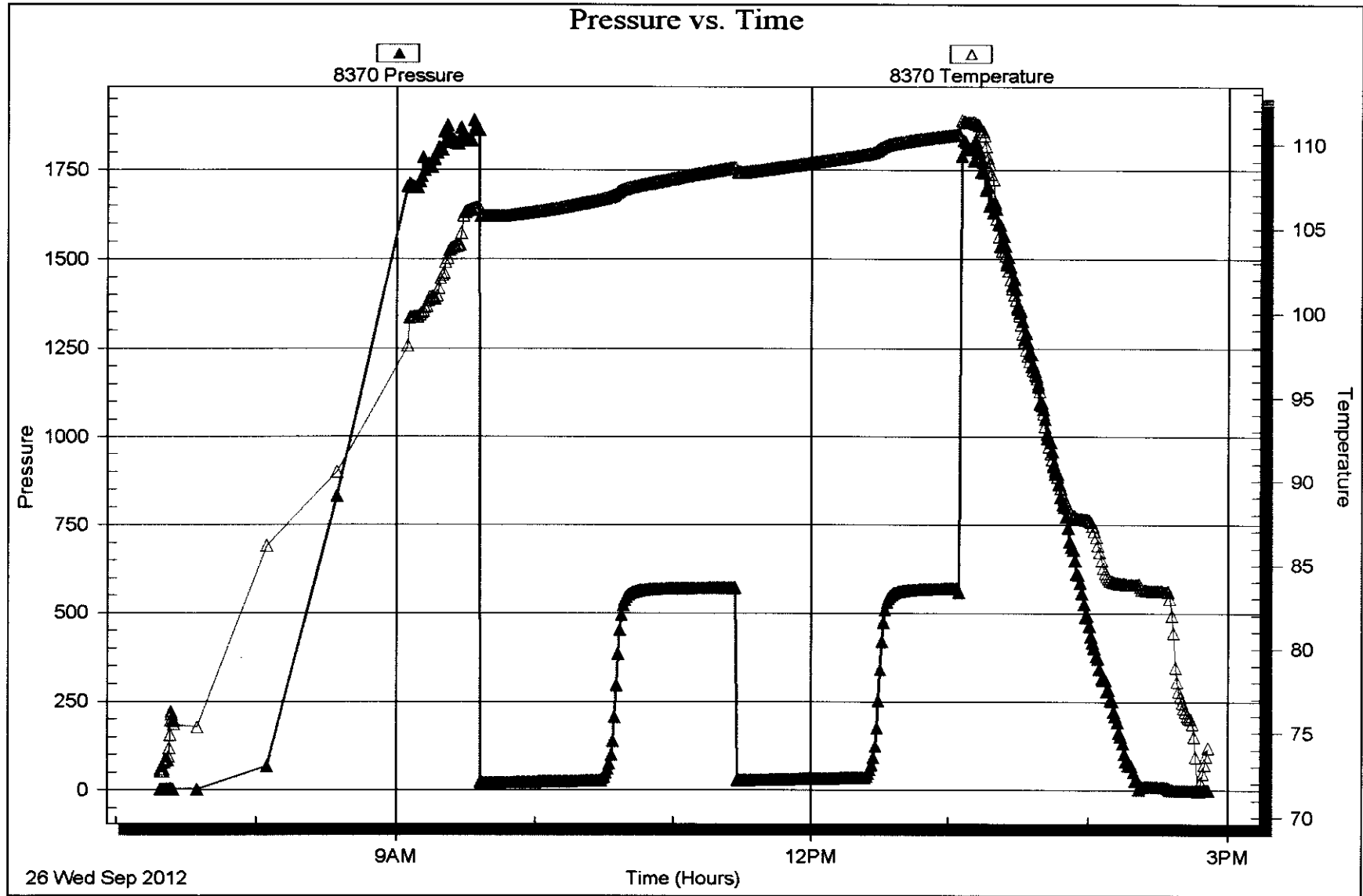
Serial #: none

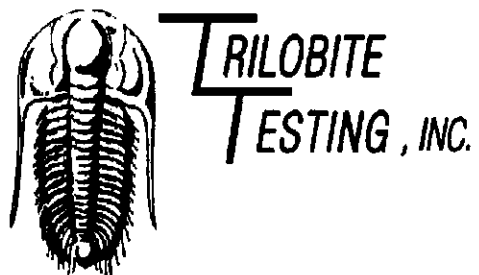
Laboratory Name:

Laboratory Location:

Recovery Comments:







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

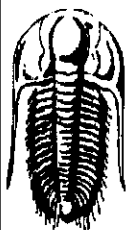
Trilobite Testing, Inc

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

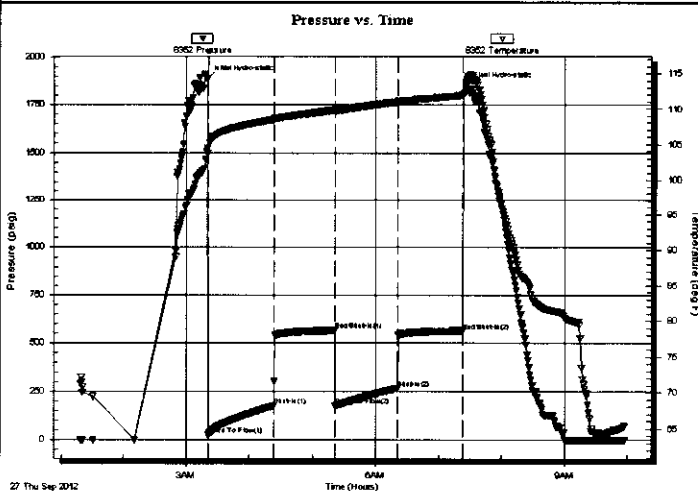
Start Time: 01:18:31

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

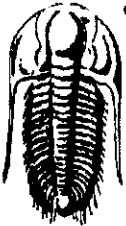
Recovery

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.
PO Box 559
Goddard KS 67052
ATTN: David Goldak

21-23s-10w Reno,KS
Snowbarger #1
Job Ticket: 49611 DST#: 2
Test Start: 2012.09.27 @ 01:18:26

GENERAL INFORMATION:

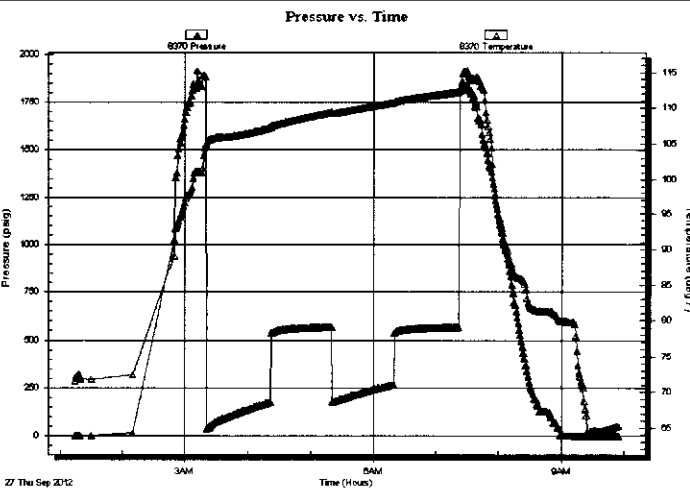
Formation: **Viola**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:21:26
Time Test Ended: 09:57:56
Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 56
Interval: **3782.00 ft (KB) To 3792.00 ft (KB) (TVD)**
Total Depth: 3792.00 ft (KB) (TVD)
Reference Elevations: 1786.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Poor
KB to GR/CF: 9.00 ft
1777.00 ft (CF)

Serial #: 8370

Inside

Press@RunDepth: psig @ 3783.00 ft (KB)
Start Date: 2012.09.27 End Date: 2012.09.27 Capacity: 8000.00 psig
Start Time: 01:13:57 End Time: 09:55:07 Last Calib.: 2012.09.27
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 SUMMARY

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

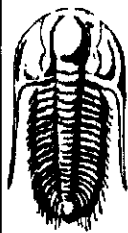
Recovery

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

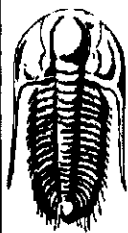
Tool Information

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
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: bbl

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

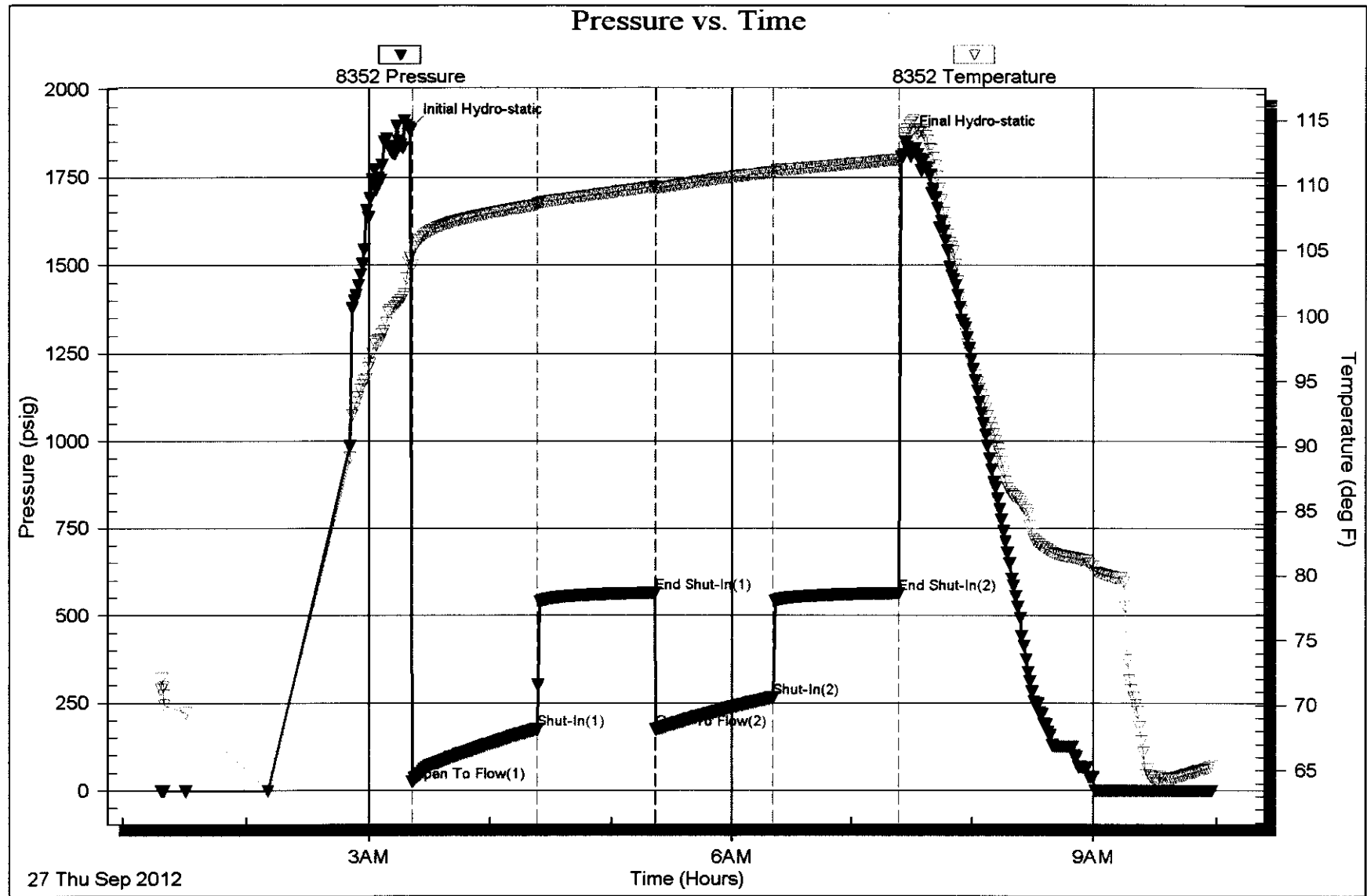
Num Gas Bombs: 0

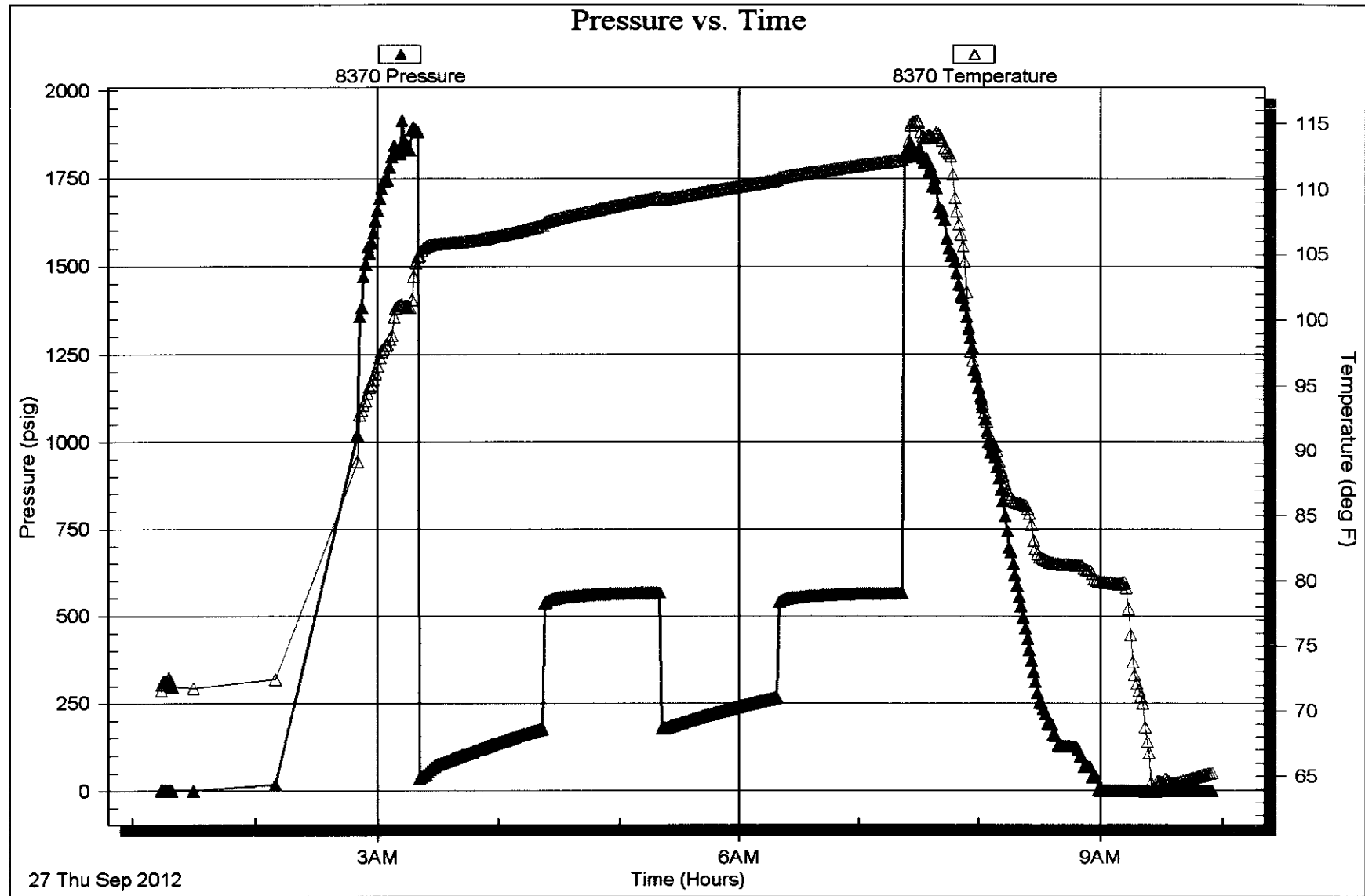
Serial #: none

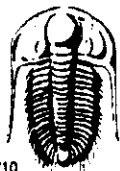
Laboratory Name:

Laboratory Location:

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







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49610

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: White 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 N.C. @ °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 (FSI) 131.75 Comments _____
 (G) Final Shut-In 568 Sampler _____
 (H) Final Hydrostatic 1840 Straddle _____
 Ruined Shale Packer
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____

Initial Open 45 Extra Recorder _____
 Initial Shut-In 60 Day Standby _____
 Final Flow 45 Accessibility 150
 Final Shut-In 45 Sub Total 1756.75
 Sub Total 1756.75
 Total 1756.75
 MP/DST Disc _____

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

Well Name & No. SNOWDARGER #1 Test No. 2 Date 9-27-12
 Company NOVY 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. RENE 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 1#
 Blow Description IF: Fair to strong blow. B.O.B. in 26 mins.
ISZ: No blow.
FF: Fair blow. Increase to 13". FST: No blow.

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

Rec Total 555 BHT 1120 Gravity N/A API RW -2 @ 49 °F Chlorides 56,000 ppm
 (A) Initial Hydrostatic 1885 Test 1150 T-On Location 0053
 (B) First Initial Flow 25 Jars 250 T-Started 0118
 (C) First Final Flow 175 Safety Joint 75 T-Open 0321
 (D) Initial Shut-In 565 Circ Sub T-Pulled 0716
 (E) Second Initial Flow 175 Hourly Standby T-Out 0957
 (F) Second Final Flow 265 Mileage 85 131.75 Comments
 (G) Final Shut-In 563 Sampler
 (H) Final Hydrostatic 1851 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Initial Open 60 Day Standby Total 1756.75
 Initial Shut-In 60 Accessibility 150 MP/DST Disc't
 Final Flow 60 Sub Total 1756.75
 Final Shut-In 60

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.