



KANSAS CORPORATION COMMISSION 1102731  
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: DTM Company  
Purchaser: \_\_\_\_\_

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: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 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>08/27/2012</u>	<u>09/08/2012</u>	<u>09/18/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-095-22263-00-00

Spot Description: \_\_\_\_\_  
NE NW NW Sec. 10 Twp. 29 S. R. 6  East  West  
330 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: Kingman  
Lease Name: Brown Well #: 2  
Field Name: \_\_\_\_\_

Producing Formation: Mississippi  
Elevation: Ground: 1520 Kelly Bushing: 1542  
Total Depth: 4550 Plug Back Total Depth: 4160  
Amount of Surface Pipe Set and Cemented at: 265 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 cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 39000 ppm Fluid volume: 1000 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 Garrison Date: 12/12/2012



1102731

Operator Name: Novy Oil & Gas, Inc. Lease Name: Brown Well #: 2  
 Sec. 10 Twp. 29 S. R. 6  East  West County: Kingman

**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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 Electric Log Submitted Electronically  Yes  No  
 (If no, Submit Copy)

List All E. Logs Run:

Dual Induction  
 DEN- NEU  
 Mirco

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	2992	-1450
BKC	3732	-2200
Mississippi	4050	-2508
Kinderhook	4348	-2806
Viola	4456	-2914
Simpson	4475	-2933

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
Surface	12.25	8.625	23	265	60/40 poz	250	3%cc,2%gel
production	7.875	5.5	15.5	4201	60/40 poz	100	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 (Amount and Kind of Material Used)	Depth
4	4062 to 4070	750 gal 15% hcl	4062 to 4070

TUBING RECORD:		Size: <u>0</u>	Set At: <u>0</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>09/18/2012</u>			Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>TA</u>		
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>0</u>	Water Bbls. <u>250</u>	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)		METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____		PRODUCTION INTERVAL: <u>4060</u> <u>4070</u>	
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SEP 1 2012

# ALLIED CEMENTING CO., LLC. 037718

REMITTO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Medicine Lodge, KS

DATE: 8-27-12	SEC.	TWP.	RANGE	CALLED OUT: 7:00 AM	ON LOCATION: 8:00 AM	JOB START: 8:15 AM	JOB FINISH: 8:45 AM
LEASE: Brown	WELL: Z	LOCATION: #14 Belmont Rd 65		COUNTY: Kingman	STATE: Kansas		
OLD OR NEW (Circle one): NEW	S/S		2-01		11.05		

CONTRACTOR: Landmark  
 TYPE OF JOB: Surface  
 HOLE SIZE: 12 1/4 T.D. 268'  
 CASING SIZE: 8 3/8 DEPTH 264'  
 TUBING SIZE: \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE: \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL: \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX: 200 MINIMUM \_\_\_\_\_  
 MEAS. LINE: \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSO: 20'  
 PERFS: \_\_\_\_\_  
 DISPLACEMENT: 15-31 Bbls Freshwater

OWNER: Abou Oil + Gas  
 CEMENT AMOUNT ORDERED:  
250.5 x 60 = 4027.96 LBS

COMMON	150.5	@ 16.85	2437.50
POZMIX	100.5	@ 8.50	850.00
GEL	5.5	@ 21.85	100.85
CHLORIDE	9.5	@ 58.20	528.80
ASC			

EQUIPMENT  
 PUMP TRUCK: CEMENTER Can Building 1  
360-263 HELPER Roller 2  
 BULK TRUCK: DRIVER Brandon Boon 5  
456  
 BULK TRUCK: DRIVER \_\_\_\_\_

HANDLING: 208.61 @ 2.10 = 544.08  
 MILEAGE: 11.29 x 25 x 2.85 = 928.60  
 TOTAL: 540.23

REMARKS:

Thank you

SERVICE

DEPTH OF JOB	<u>264'</u>	
PUMP TRUCK CHARGE		<u>1125</u>
EXTRA FOOTAGE		
MILEAGE	<u>35</u>	@ <u>7.00</u> = <u>245</u>
MANIFOLD third rental		@ _____ = <u>220.00</u>
LV	<u>35</u>	@ <u>4.00</u> = <u>140</u>

TOTAL 1710-

CHARGE TO: Abou Oil + Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>1-wooden plug</u>	@ _____	= <u>92</u>

TOTAL 92-

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_  
 SIGNATURE: [Signature]

SALES TAX (if Any) 282.67  
 TOTAL CHARGES \$ 722.23  
 DISCOUNT: 200 IF PAID IN 30 DAYS  
NET 5709.78

D 1442.45

SEP 17 2012

# ALLIED OIL & GAS SERVICES, LLC 059009

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Great Bend

DATE <u>9/8/12</u>	SEC <u>10</u>	TWP <u>29S</u>	RANGE <u>6W</u>	CALLED OUT	ON LOCATION <u>4:00 AM</u>	JOB START <u>4:30 PM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>Brown</u>	WELL # <u>2</u>	LOCATION <u>281 South to East 54 to Ridgeman, South on Main Street, East on Belmont</u>			COUNTY <u>Kingman</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				Location <u>Blacktop, South into location</u>		<u>2.0V</u> <u>7.05</u>	

CONTRACTOR Landmark 6  
 TYPE OF JOB Production Casing  
 HOLE SIZE 7 7/8" TD 4502 FT  
 CASING SIZE 5 1/2" 15.5" DEPTH 4201 FT  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 42 FT  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 99 bbls Fresh Water

**EQUIPMENT**

PUMP TRUCK CEMENTER Charles E. Kins 1  
 # 366 HELPER Kevin Eddy 2  
 BULK TRUCK \_\_\_\_\_  
 # 378 DRIVER Dan Casper 2  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER NOVY Oil & Gas  
 CEMENT AMOUNT ORDERED 130 sy 60/140 + 10% Col Seal + 4% Flo Seal

COMMON	<u>78</u>	@	<u>17.90</u>	<u>1,396.20</u>
POZMIX	<u>52</u>	@	<u>9.35</u>	<u>486.20</u>
GEL		@		
CHLORIDE		@		
ASC		@		
Val Seal	<u>1300</u>	@	<u>.98</u>	<u>1,274.00</u>
Flo Seal	<u>32</u>	@	<u>2.97</u>	<u>95.04</u>
HANDLING	<u>158.13</u>	@	<u>2.48</u>	<u>392.16</u>
MILBAGE	<u>6.26435</u>	@	<u>2.60</u>	<u>569.27</u>
<u>218.95</u>				TOTAL <u>4,212.47</u>

**REMARKS:**  
Drop Buell, Pump 12 bbls Mud Flush  
Shear Packer Shoe + Circulate 30 min  
Fill House + Rat Hole with 6.5 bbls Cement  
Pump 5 bbls Fresh Water  
Pump 27 bbls Cement  
Wash Pumps + Lines  
Drop Deck  
Displace with 99 bbls Fresh Water

**SERVICE**

DEPTH OF JOB	<u>4201</u>		
PUMP TRUCK CHARGE	<u>2,558.25</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>Hum 35</u>	@	<u>7.70</u> <u>269.20</u>
MANIFOLD	<u>Hum 35</u>	@	<u>4.40</u> <u>154.00</u>
TOTAL <u>2,982.25</u>			

CHARGE TO: NOVY Oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

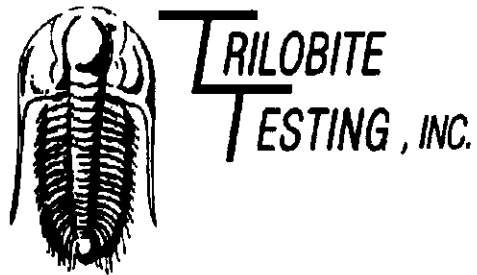
**PLUG & FLOAT EQUIPMENT**

Latch Down Plug	@	<u>324.07</u>	<u>324.07</u>
Packer Shoe	@	<u>270.75</u>	
4 Centralizers	@	<u>57.33</u>	<u>229.32</u>
1 Bypass	@	<u>394.29</u>	<u>394.29</u>
TOTAL <u>3,657.42</u>			

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) 487.07  
 TOTAL CHARGES 10,853.56  
 DISCOUNT 21% 2,279.07  
8,573.52 IF PAID IN 30 DAYS

PRINTED NAME Michael Novy  
 SIGNATURE [Signature]



## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559  
Goddard, KS 67052

ATTN: David Gould

**Brown #2**

**10-29s-6w Kingman,KS**

Start Date: 2012.09.01 @ 20:18:21

End Date: 2012.09.02 @ 06:12:51

Job Ticket #: 49568                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

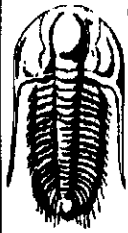
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.09.11 @ 14:02:42

Novy Oil & Gas    10-29s-6w Kingman,KS    Brown #2    DST # 1    Swope    2012.09.01







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Novy Oil & Gas  
PO Box 559  
Goddard, KS 67052  
ATTN: David Gould

**10-29s-6w Kingman,KS**  
**Brown #2**  
Job Ticket: 49568      **DST#: 1**  
Test Start: 2012.09.01 @ 20:18:21

### Tool Information

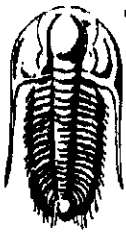
Drill Pipe:	Length: 3518.00 ft	Diameter: 3.80 inches	Volume: 49.35 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 49.93 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3644.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	43.00 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			3622.00	
Hydraulic tool	5.00			3627.00	
Jars	5.00			3632.00	
Safety Joint	2.00			3634.00	
Packer	5.00			3639.00	27.00      Bottom Of Top Packer
Packer	5.00			3644.00	
Stubb	1.00			3645.00	
Recorder	0.00	6798	Inside	3645.00	
Recorder	0.00	8367	Outside	3645.00	
Perforations	12.00			3657.00	
Bullnose	3.00			3660.00	16.00      Bottom Packers & Anchor

**Total Tool Length: 43.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Novy Oil & Gas

**10-29s-6w Kingman,KS**

PO Box 559  
Goddard, KS 67052

**Brown #2**

Job Ticket: 49568

**DST#: 1**

ATTN: David Gould

Test Start: 2012.09.01 @ 20:18:21

### 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: 94000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume: bbl

Water Loss: 12.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
436.00	Water	5.050
40.00	MCW 10%M 90%W	0.561

Total Length: 476.00 ft      Total Volume: 5.611 bbl

Num Fluid Samples: 0

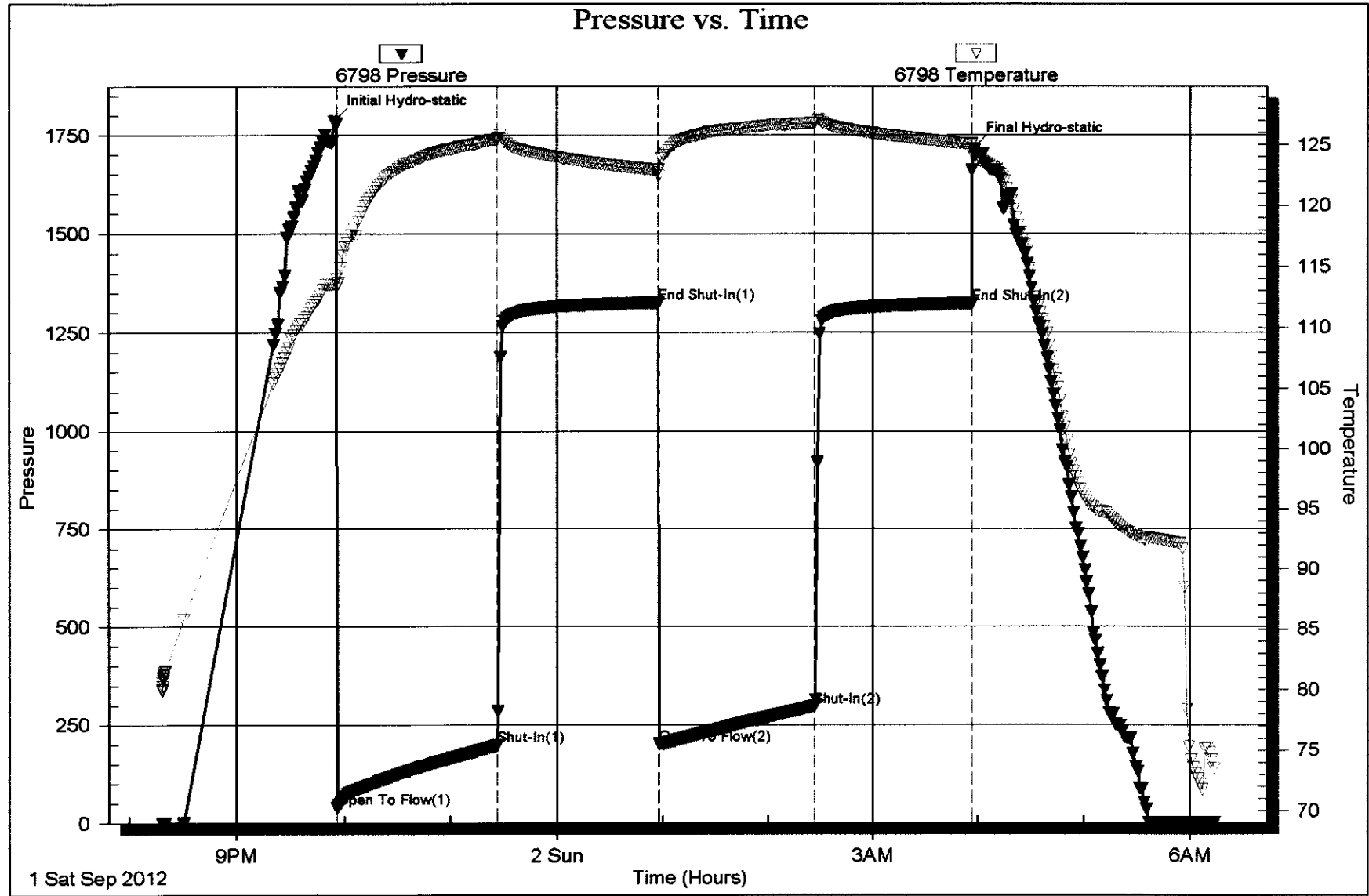
Num Gas Bombs: 0

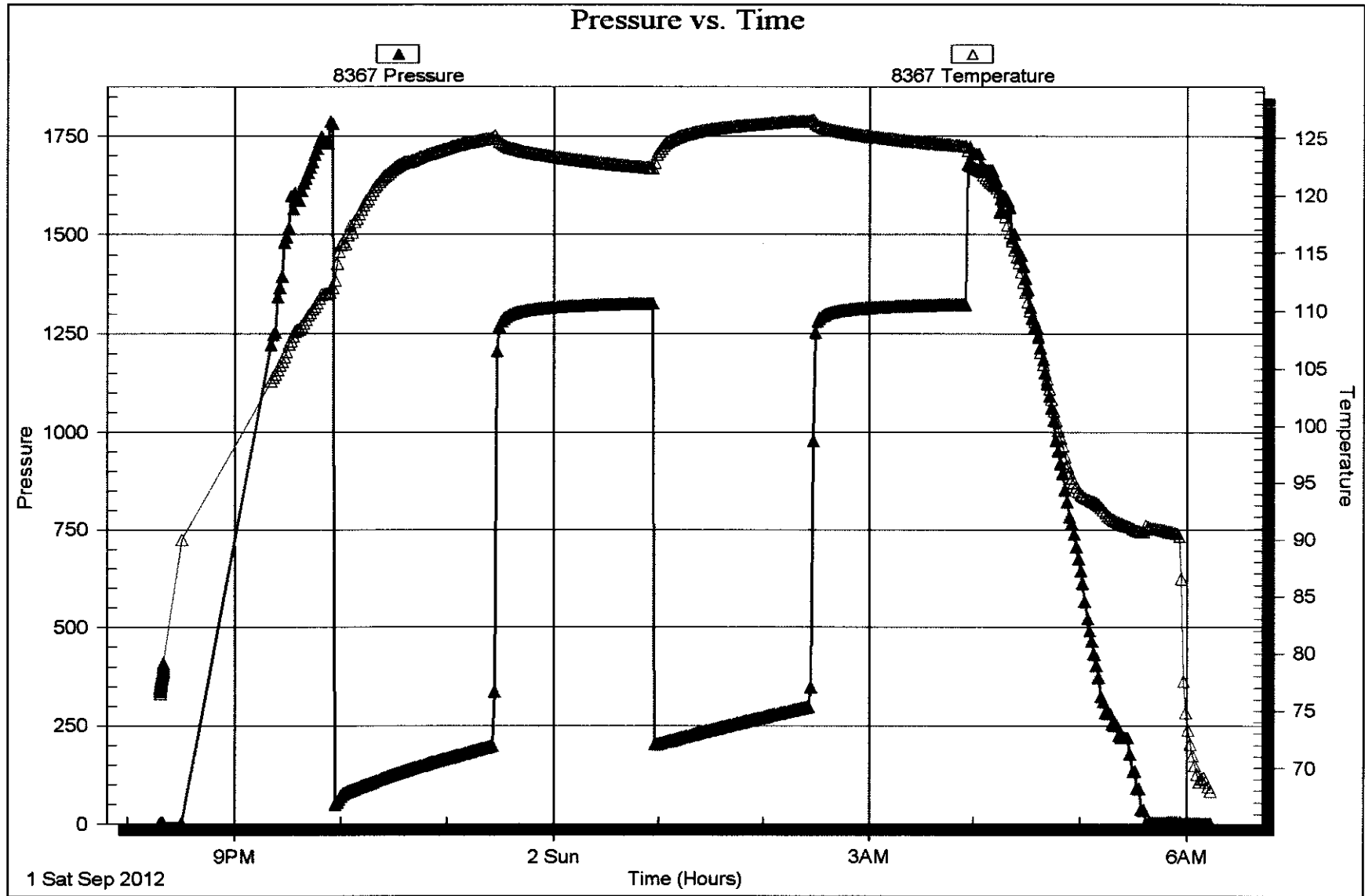
Serial #:

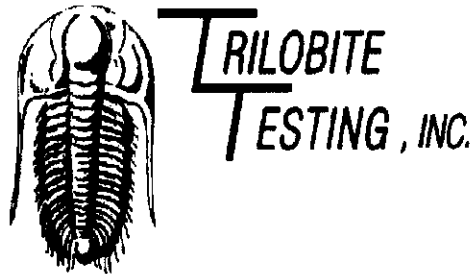
Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .09 @ 66 degrees







## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559  
Goddard, KS 67052

ATTN: David Gould

**Brown #2**

**10-29s-6w Kingman,KS**

Start Date: 2012.09.03 @ 20:37:14

End Date: 2012.09.04 @ 07:18:29

Job Ticket #: 49569                      DST #: 2

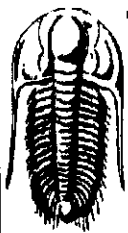
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:01:56

Novy Oil & Gas  
10-29s-6w Kingman,KS  
Brown #2  
DST # 2  
Mississippi  
2012.09.03



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Novy Oil & Gas  
PO Box 559  
Goddard, KS 67052  
ATTN: David Gould

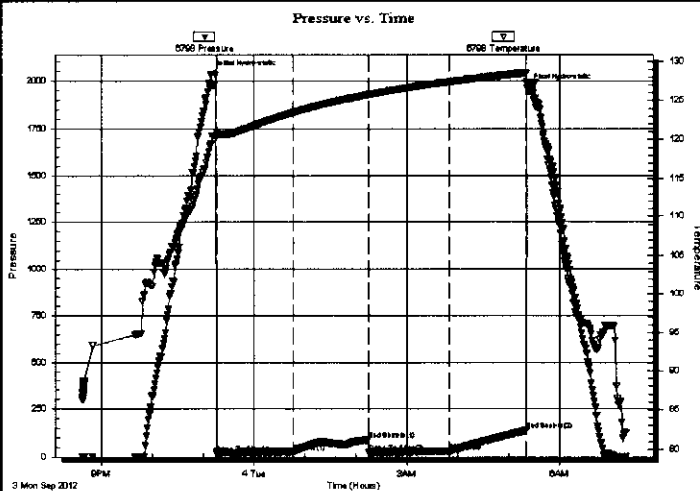
**10-29s-6w Kingman, KS**  
**Brown #2**  
Job Ticket: 49569      **DST#: 2**  
Test Start: 2012.09.03 @ 20:37:14

### GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 23:15:44  
Time Test Ended: 07:18:29  
Interval: **4048.00 ft (KB) To 4058.00 ft (KB) (TVD)**  
Total Depth: 4058.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Leal Cason  
Unit No: 63  
Reference Elevations: 1528.00 ft (KB)  
1520.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 6798      Inside**  
Press@RunDepth: 29.09 psig @ 4049.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.09.03      End Date: 2012.09.04      Last Calib.: 2012.09.04  
Start Time: 20:37:15      End Time: 07:18:29      Time On Btm: 2012.09.03 @ 23:09:14  
Time Off Btm: 2012.09.04 @ 05:21:29

**TEST COMMENT:** IF: Weak Blow , Built to 5 inches, Died Off to 1 inch  
IS: No Blow Back  
FF: Weak 1 inch Blow  
FSI: No Blow Back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2037.17	119.37	Initial Hydro-static
7	17.37	120.93	Open To Flow (1)
97	25.64	123.45	Shut-In(1)
185	88.90	125.77	End Shut-In(1)
186	22.52	125.76	Open To Flow (2)
281	29.09	127.38	Shut-In(2)
372	138.49	128.50	End Shut-In(2)
373	1964.17	127.36	Final Hydro-static

### Recovery

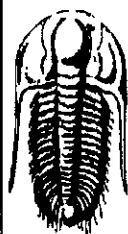
Length (ft)	Description	Volume (bbl)
40.00	GCM 2%G 98%M	0.20

\* 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  
PO Box 559  
Goddard, KS 67052  
ATTN: David Gould

**10-29s-6w Kingman,KS**  
**Brown #2**  
Job Ticket: 49569      **DST#: 2**  
Test Start: 2012.09.03 @ 20:37:14

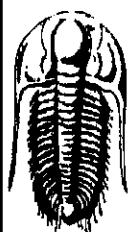
### Tool Information

Drill Pipe:	Length: 3920.00 ft	Diameter: 3.80 inches	Volume: 54.99 bbl	Tool Weight: 2100.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 55.57 bbl		Tool Chased: ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	4048.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 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			4026.00	
Hydraulic tool	5.00			4031.00	
Jars	5.00			4036.00	
Safety Joint	2.00			4038.00	
Packer	5.00			4043.00	27.00      Bottom Of Top Packer
Packer	5.00			4048.00	
Stubb	1.00			4049.00	
Recorder	0.00	6798	Inside	4049.00	
Recorder	0.00	8367	Outside	4049.00	
Perforations	6.00			4055.00	
Bullnose	3.00			4058.00	10.00      Bottom Packers & Anchor

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Novy Oil & Gas

**10-29s-6w Kingman,KS**

PO Box 559  
Goddard, KS 67052

**Brown #2**

Job Ticket: 49569

**DST#: 2**

ATTN: David Gould

Test Start: 2012.09.03 @ 20:37:14

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.36 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
40.00	GCM 2%G 98%M	0.197

Total Length: 40.00 ft

Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

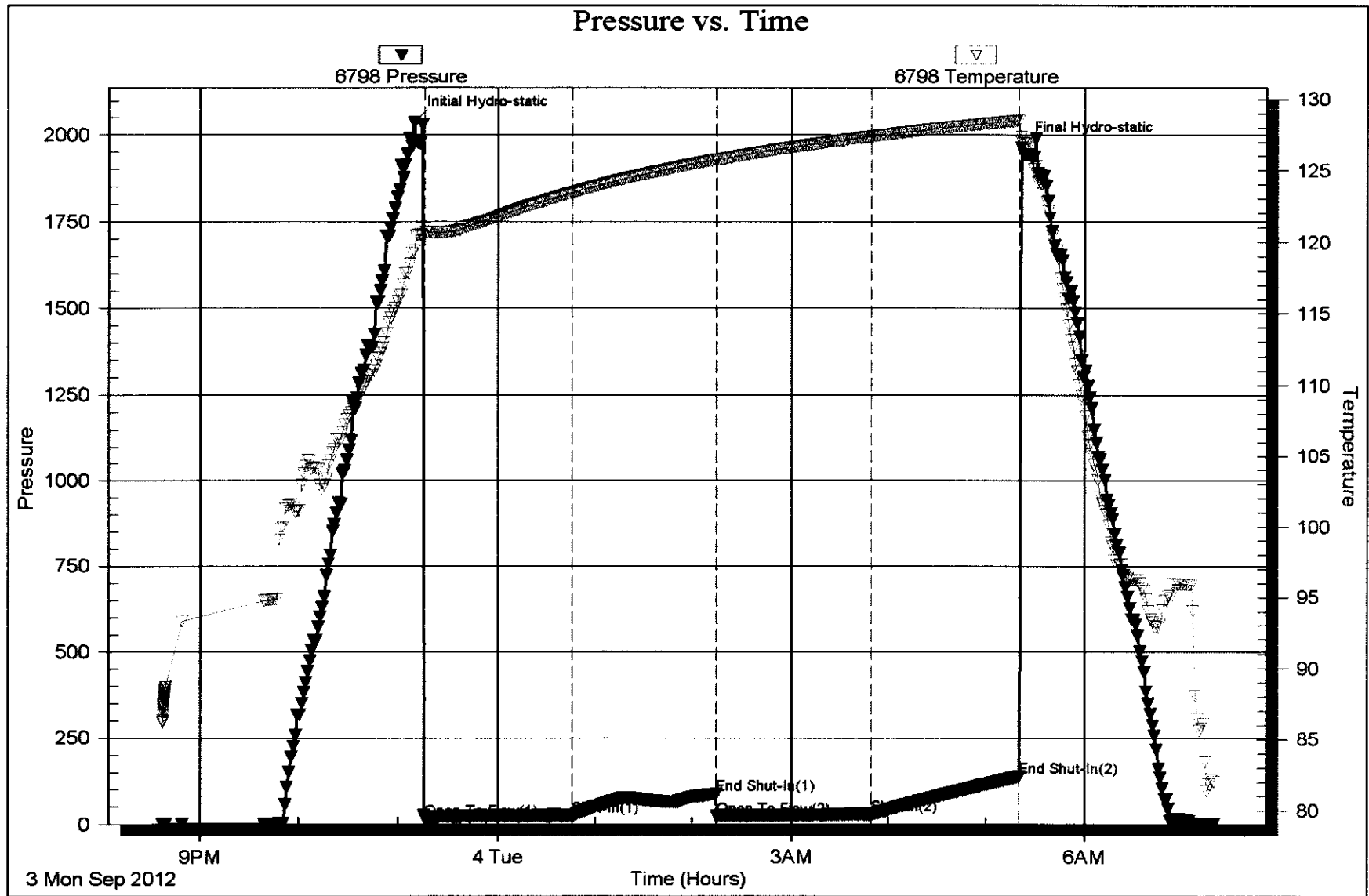
Serial #:

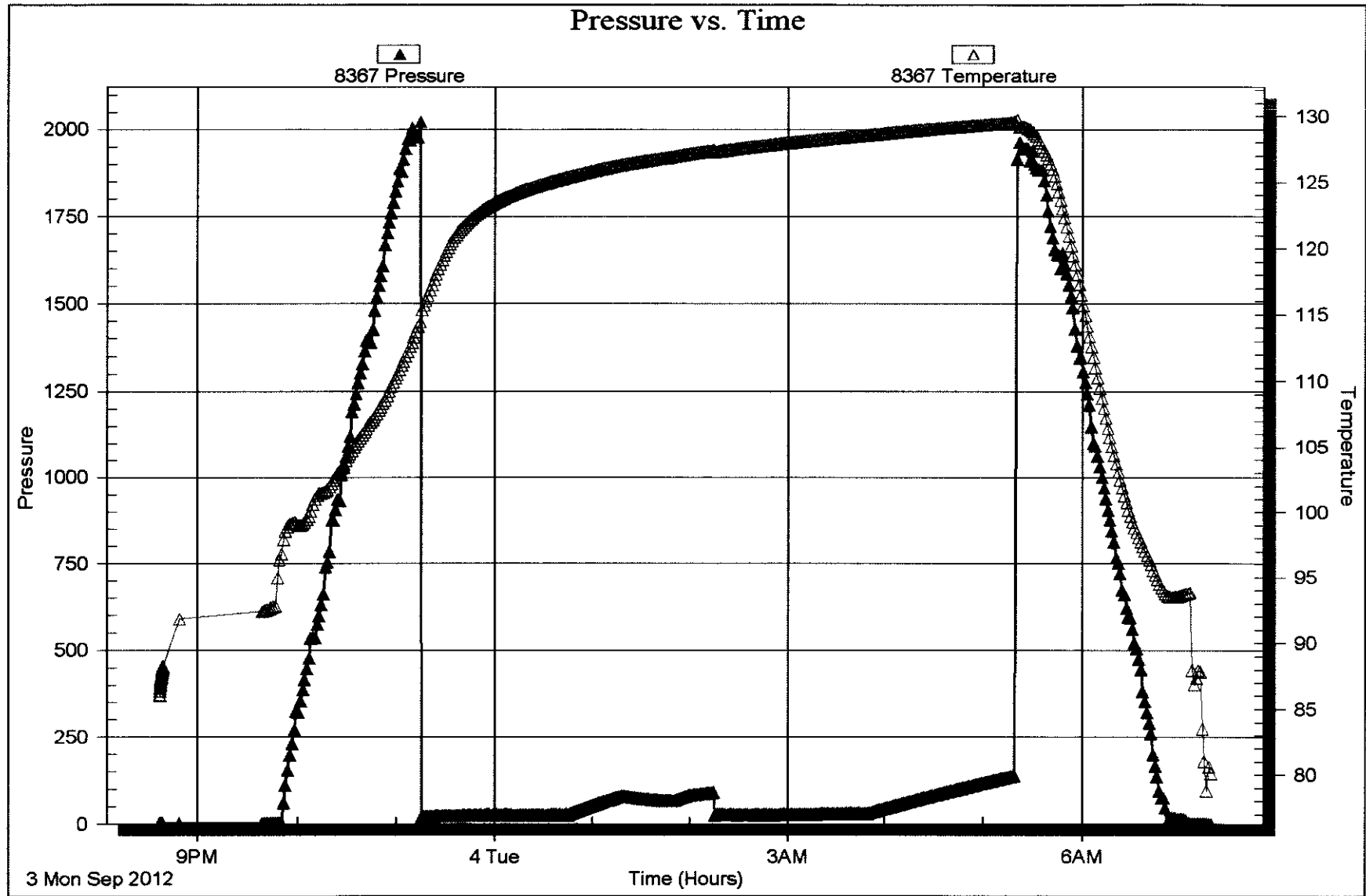
Laboratory Name:

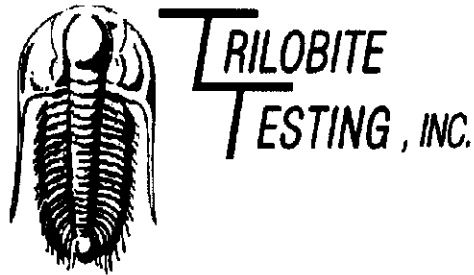
Laboratory Location:

Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559  
Goddard, KS 67052

ATTN: David Gould

**Brown #2**

**10-29s-6w Kingman,KS**

Start Date: 2012.09.04 @ 15:12:38

End Date: 2012.09.05 @ 01:24:08

Job Ticket #: 49570                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:00:33

Novy Oil & Gas

10-29s-6w Kingman,KS

Brown #2

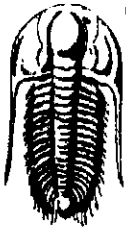
DST # 3

Mississippi

2012.09.04







**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Novy Oil & Gas

**10-29s-6w Kingman,KS**

PO Box 559  
Goddard, KS 67052

**Brown #2**

Job Ticket: 49570

**DST#: 3**

ATTN: David Gould

Test Start: 2012.09.04 @ 15:12:38

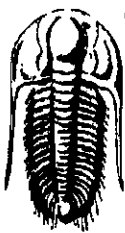
### Tool Information

Drill Pipe:	Length: 3919.00 ft	Diameter: 3.80 inches	Volume: 54.97 bbl	Tool Weight: 2100.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
		<b>Total Volume:</b>	<b>55.55 bbl</b>	Tool Chased: ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	4048.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	45.00 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			4026.00	
Hydraulic tool	5.00			4031.00	
Jars	5.00			4036.00	
Safety Joint	2.00			4038.00	
Packer	5.00			4043.00	27.00 Bottom Of Top Packer
Packer	5.00			4048.00	
Stubb	1.00			4049.00	
Recorder	0.00	6798	Inside	4049.00	
Recorder	0.00	8367	Outside	4049.00	
Perforations	14.00			4063.00	
Bullnose	3.00			4066.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Novy Oil & Gas

**10-29s-6w Kingman,KS**

PO Box 559  
Goddard, KS 67052

**Brown #2**

Job Ticket: 49570

**DST#: 3**

ATTN: David Gould

Test Start: 2012.09.04 @ 15:12:38

### 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: 110000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume: bbl

Water Loss: 11.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 7000.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
117.00	GOWCM 5%G 5%O 30%W 60%M	0.575
25.00	SOSM -1%O +99%M	0.351

Total Length: 142.00 ft      Total Volume: 0.926 bbl

Num Fluid Samples: 0

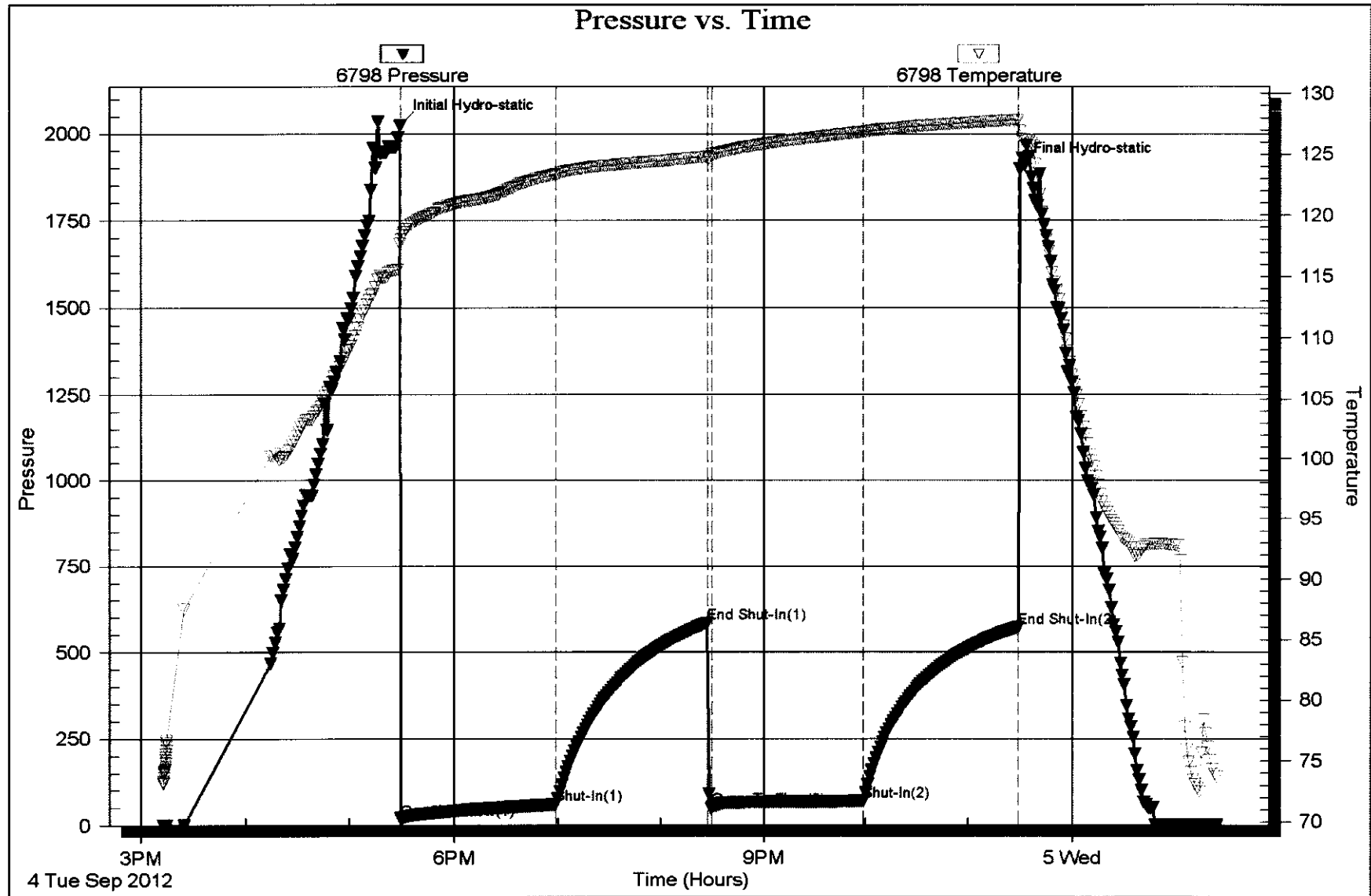
Num Gas Bombs: 0

Serial #:

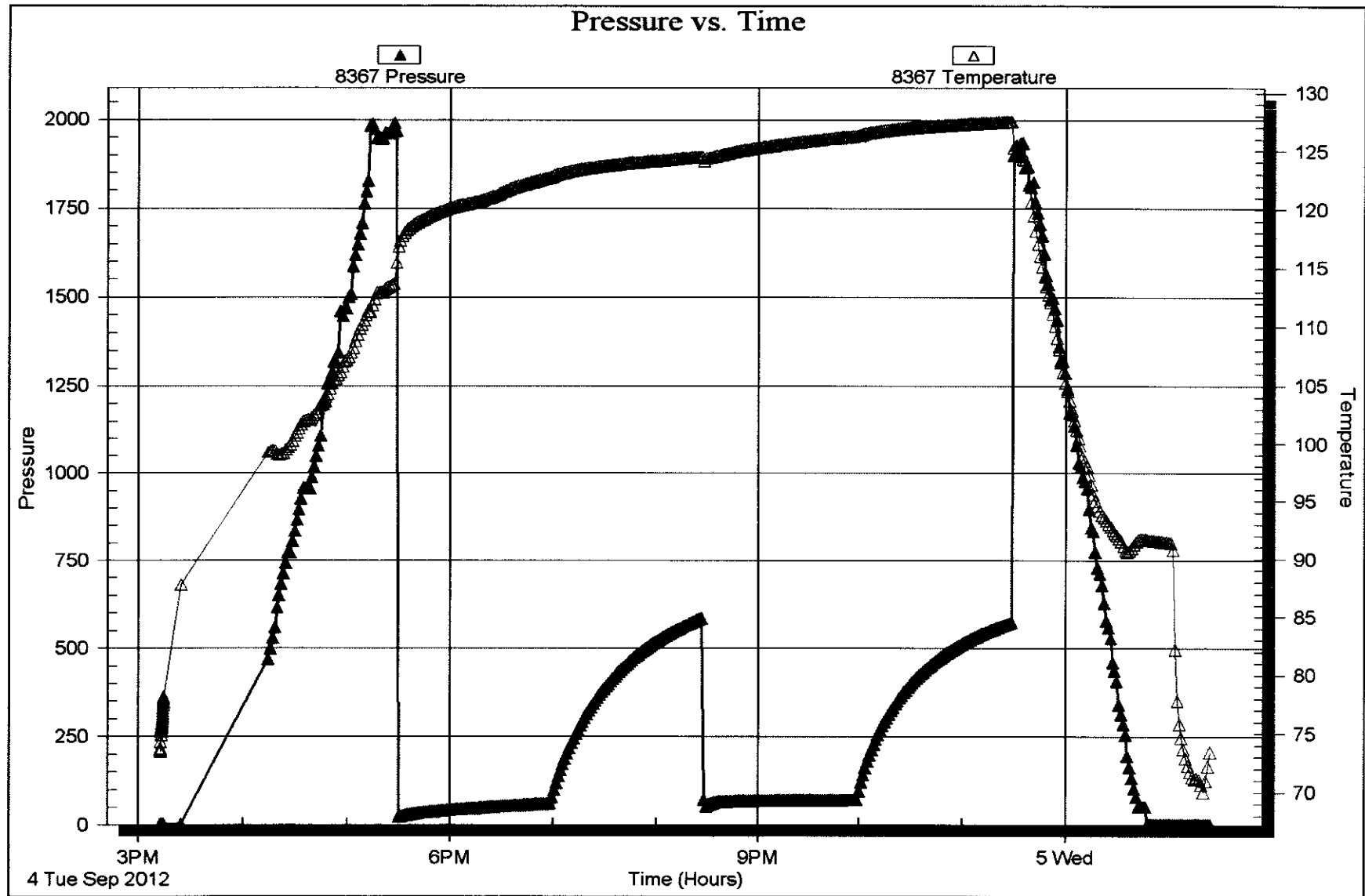
Laboratory Name:

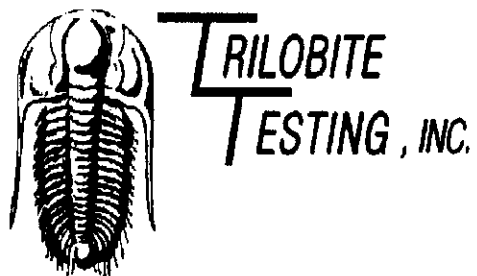
Laboratory Location:

Recovery Comments: RW w as .065 @ 85 degrees









## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559  
Goddard, KS 67052

ATTN: David Gould

**Brown #2**

**10-29s-6w Kingman,KS**

Start Date: 2012.09.05 @ 08:50:04

End Date: 2012.09.05 @ 16:07:34

Job Ticket #: 49571                      DST #: 4

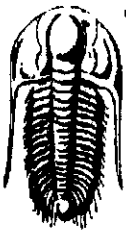
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 13:59:51

Novy Oil & Gas  
10-29s-6w Kingman,KS  
Brown #2  
DST # 4  
Mississippi  
2012.09.05



**TRIBOLITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Novy Oil & Gas  
PO Box 559  
Goddard, KS 67052  
ATTN: David Gould

**10-29s-6w Kingman,KS**

**Brown #2**

Job Ticket: 49571

**DST#: 4**

Test Start: 2012.09.05 @ 08:50:04

## GENERAL INFORMATION:

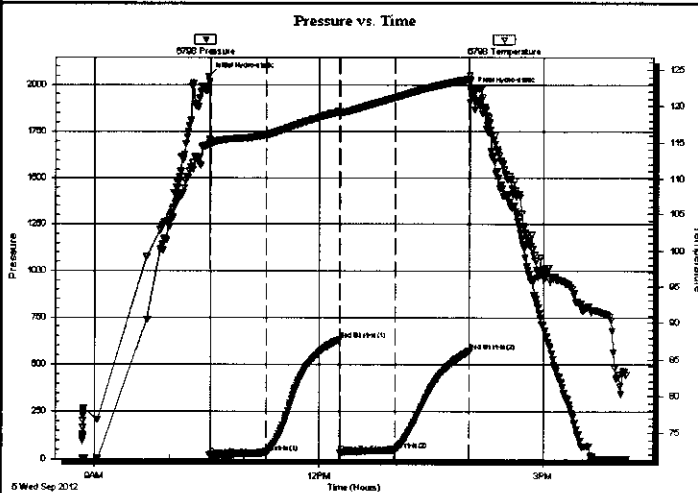
Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 10:32:19  
 Tester: Leal Cason  
 Time Test Ended: 16:07:34  
 Unit No: 45  
 Interval: **4086.00 ft (KB) To 4093.00 ft (KB) (TVD)**  
 Reference Elevations: 1528.00 ft (KB)  
 Total Depth: 4093.00 ft (KB) (TVD)  
 1520.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 8.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 47.53 psig @ 4087.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05  
 Start Time: 08:50:05 End Time: 16:07:34 Time On Btm: 2012.09.05 @ 10:30:49  
 Time Off Btm: 2012.09.05 @ 14:01:19

TEST COMMENT: IF: Weak Blow, Built to 1 1/2 inches  
 IS: No Blow Back  
 FF: Weak 1/2 inch Blow  
 FSI: No Blow Back



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2044.71	114.68	Initial Hydro-static
2	19.73	114.88	Open To Flow (1)
47	34.96	116.03	Shut-In(1)
106	631.97	119.25	End Shut-In(1)
106	32.71	119.06	Open To Flow (2)
150	47.53	121.16	Shut-In(2)
210	569.55	123.70	End Shut-In(2)
211	1966.02	123.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOSMW 1%O 48%M 51%W	0.30
2.00	SOSM -1%O +99%M	0.01

\* 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  
PO Box 559  
Goddard, KS 67052  
ATTN: David Gould

**10-29s-6w Kingman,KS**

**Brown #2**

Job Ticket: 49571

**DST#: 4**

Test Start: 2012.09.05 @ 08:50:04

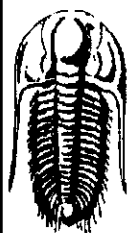
### Tool Information

Drill Pipe:	Length: 3950.00 ft	Diameter: 3.80 inches	Volume: 55.41 bbl	Tool Weight: 2100.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 55.99 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	4086.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	7.00 ft			
Tool Length:	34.00 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			4064.00	
Hydraulic tool	5.00			4069.00	
Jars	5.00			4074.00	
Safety Joint	2.00			4076.00	
Packer	5.00			4081.00	27.00 Bottom Of Top Packer
Packer	5.00			4086.00	
Stubb	1.00			4087.00	
Recorder	0.00	6798	Inside	4087.00	
Recorder	0.00	8367	Outside	4087.00	
Perforations	3.00			4090.00	
Bullnose	3.00			4093.00	7.00 Bottom Packers & Anchor

**Total Tool Length: 34.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Novy Oil & Gas

**10-29s-6w Kingman,KS**

PO Box 559  
Goddard, KS 67052

**Brown #2**

Job Ticket: 49571

**DST#: 4**

ATTN: David Gould

Test Start: 2012.09.05 @ 08:50:04

### 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:

95000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	SOSMW 1%O 48%M 51%W	0.295
2.00	SOSM -1%O +99%M	0.010

Total Length: 62.00 ft      Total Volume: 0.305 bbf

Num Fluid Samples: 0

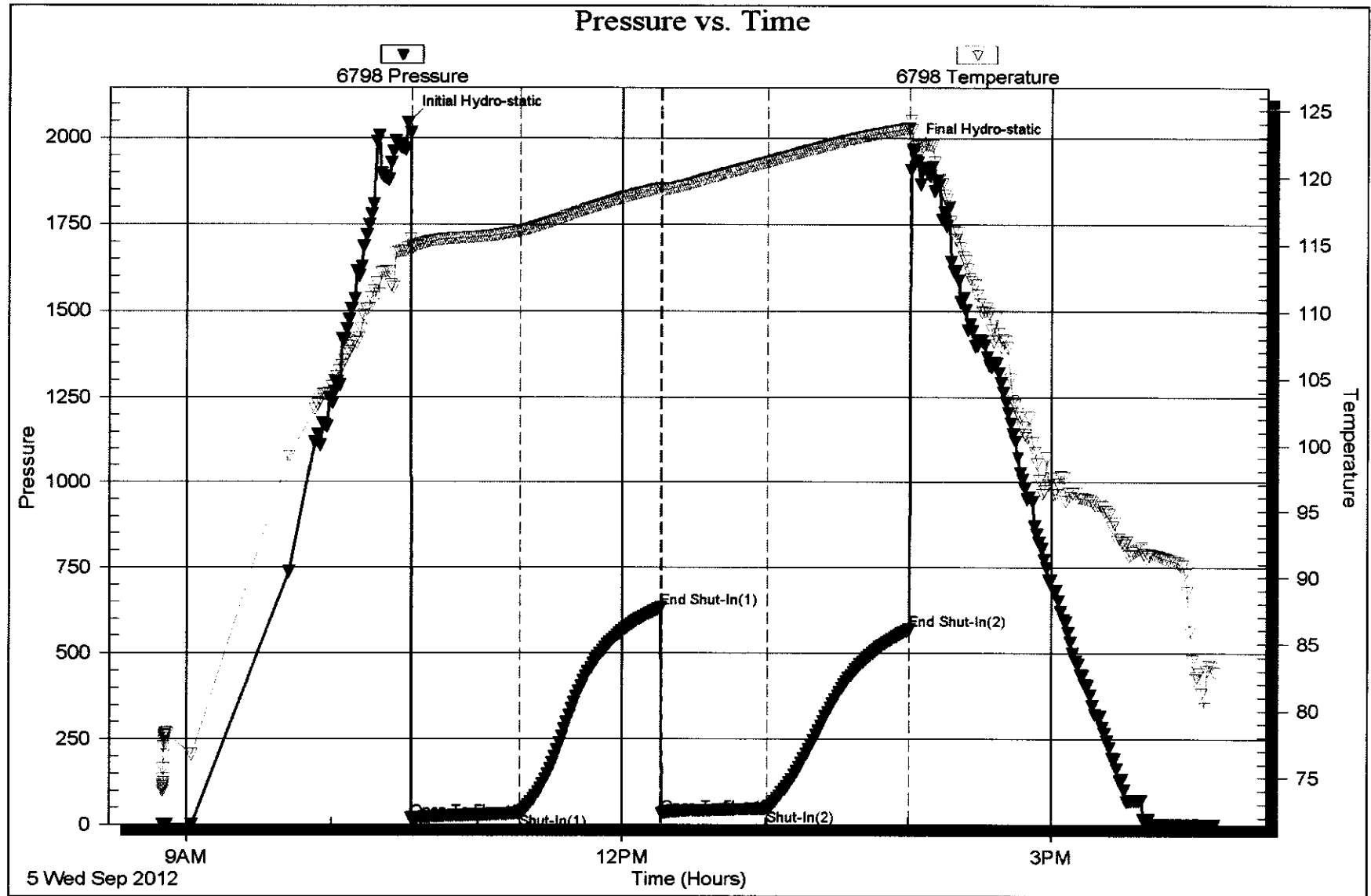
Num Gas Bombs: 0

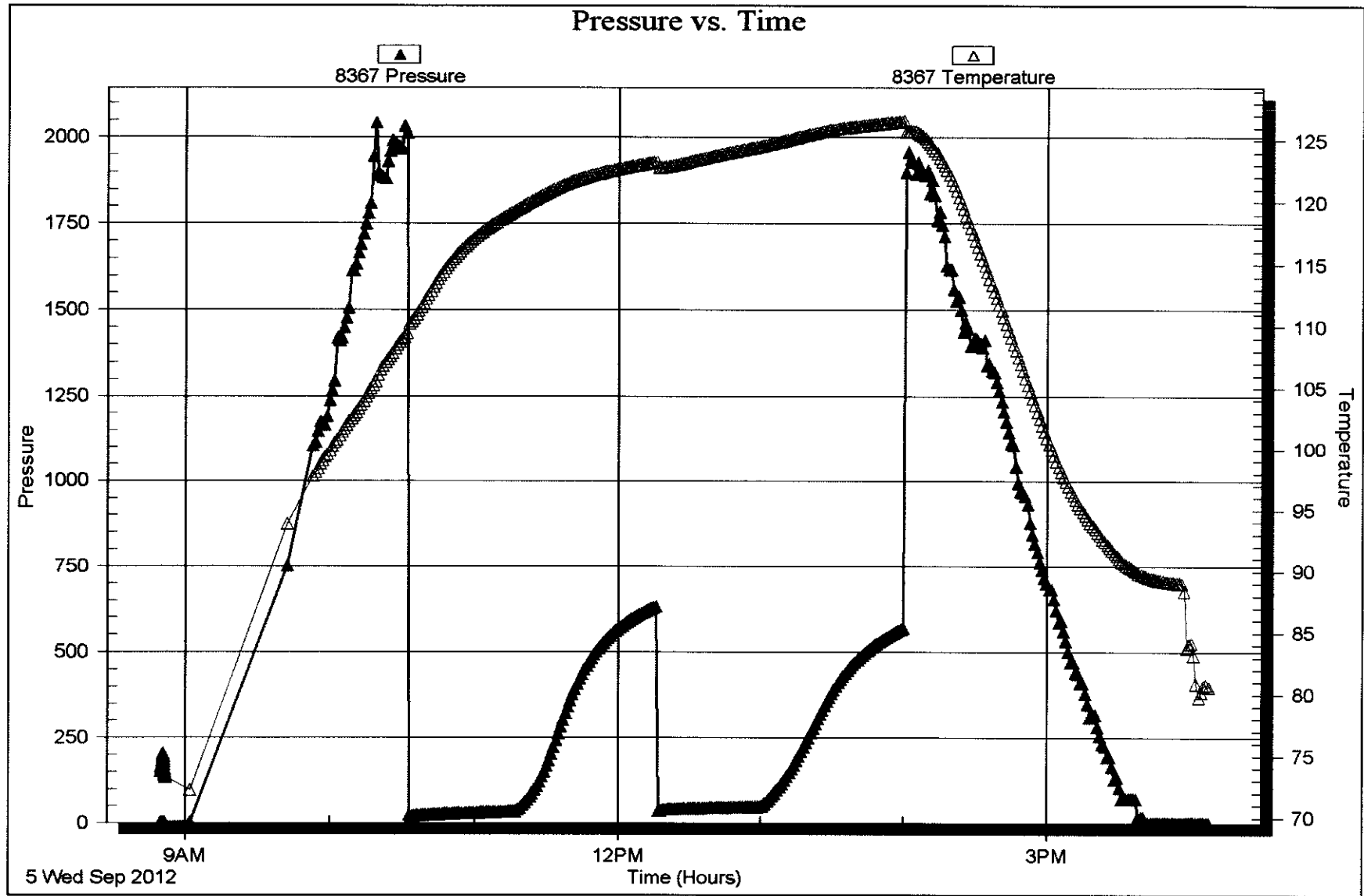
Serial #:

Laboratory Name:

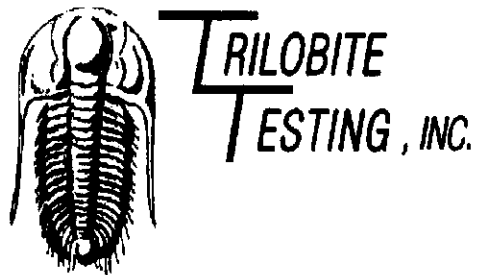
Laboratory Location:

Recovery Comments: RW was .065 @ 89 degrees









## DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas**

PO Box 559  
Goddard, KS 67052

ATTN: David Gould

**Brown #2**

**10-29s-6w Kingman,KS**

Start Date: 2012.09.07 @ 07:01:16

End Date: 2012.09.07 @ 15:39:01

Job Ticket #: 49572                      DST #: 5

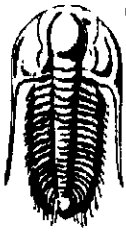
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 13:59:07

Novy Oil & Gas  
10-29s-6w Kingman,KS  
Brown #2  
DST # 5  
Viola  
2012.09.07



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Novy Oil & Gas  
 PO Box 559  
 Goddard, KS 67052  
 ATTN: David Gould

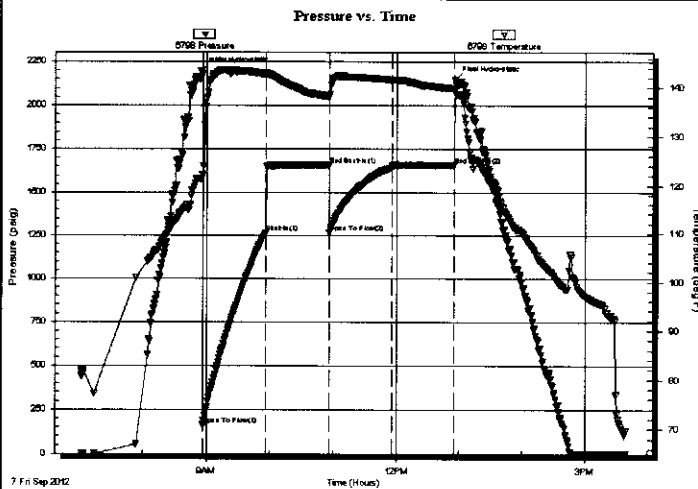
**10-29s-6w Kingman, KS**  
**Brown #2**  
 Job Ticket: 49572      **DST#: 5**  
 Test Start: 2012.09.07 @ 07:01:16

## GENERAL INFORMATION:

Formation: **Viola**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 08:56:31  
 Time Test Ended: 15:39:01  
 Interval: **4354.00 ft (KB) To 4480.00 ft (KB) (TVD)**  
 Total Depth: **4480.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Leal Cason**  
 Unit No: **45**  
 Reference Elevations: **1528.00 ft (KB)**  
**1520.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

**Serial #: 6798      Inside**  
 Press@RunDepth: **1642.83 psig @ 4355.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2012.09.07**      End Date: **2012.09.07**      Last Calib.: **2012.09.07**  
 Start Time: **07:01:17**      End Time: **15:39:01**      Time On Btm: **2012.09.07 @ 08:55:01**  
 Time Off Btm: **2012.09.07 @ 12:56:01**

**TEST COMMENT:** IF: Strong Blow , BOB in 2 minutes  
 IS: No Blow Back  
 FF: Strong Blow , BOB in 2 minutes  
 FSI: No Blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.45	121.35	Initial Hydro-static
2	160.00	122.30	Open To Flow (1)
61	1267.83	142.79	Shut-In(1)
121	1657.75	138.24	End Shut-In(1)
122	1267.02	138.18	Open To Flow (2)
181	1642.83	141.65	Shut-In(2)
240	1658.64	139.86	End Shut-In(2)
241	2146.47	139.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2930.00	Water	40.03
620.00	MCW 50%M 50%W	8.70

\* 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  
PO Box 559  
Goddard, KS 67052  
ATTN: David Gould

**10-29s-6w Kingman,KS**  
**Brown #2**  
Job Ticket: 49572      **DST#: 5**  
Test Start: 2012.09.07 @ 07:01:16

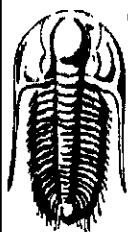
### Tool Information

Drill Pipe:	Length: 4229.00 ft	Diameter: 3.80 inches	Volume: 59.32 bbl	Tool Weight: 2100.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 59.90 bbl		Tool Chased: ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4354.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	126.00 ft			
Tool Length:	153.00 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			4332.00	
Hydraulic tool	5.00			4337.00	
Jars	5.00			4342.00	
Safety Joint	2.00			4344.00	
Packer	5.00			4349.00	27.00      Bottom Of Top Packer
Packer	5.00			4354.00	
Stubb	1.00			4355.00	
Recorder	0.00	6798	Inside	4355.00	
Recorder	0.00	8367	Outside	4355.00	
Perforations	3.00			4358.00	
Change Over Sub	1.00			4359.00	
Drill Pipe	93.00			4452.00	
Change Over Sub	1.00			4453.00	
Perforations	24.00			4477.00	
Bullnose	3.00			4480.00	126.00      Bottom Packers & Anchor

**Total Tool Length: 153.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Novy Oil & Gas

**10-29s-6w Kingman,KS**

PO Box 559  
Goddard, KS 67052

**Brown #2**

Job Ticket: 49572

**DST#: 5**

ATTN: David Gould

Test Start: 2012.09.07 @ 07:01:16

## 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:

50000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2930.00	Water	40.034
620.00	MCW 50%M 50%W	8.697

Total Length: 3550.00 ft      Total Volume: 48.731 bbl

Num Fluid Samples: 0

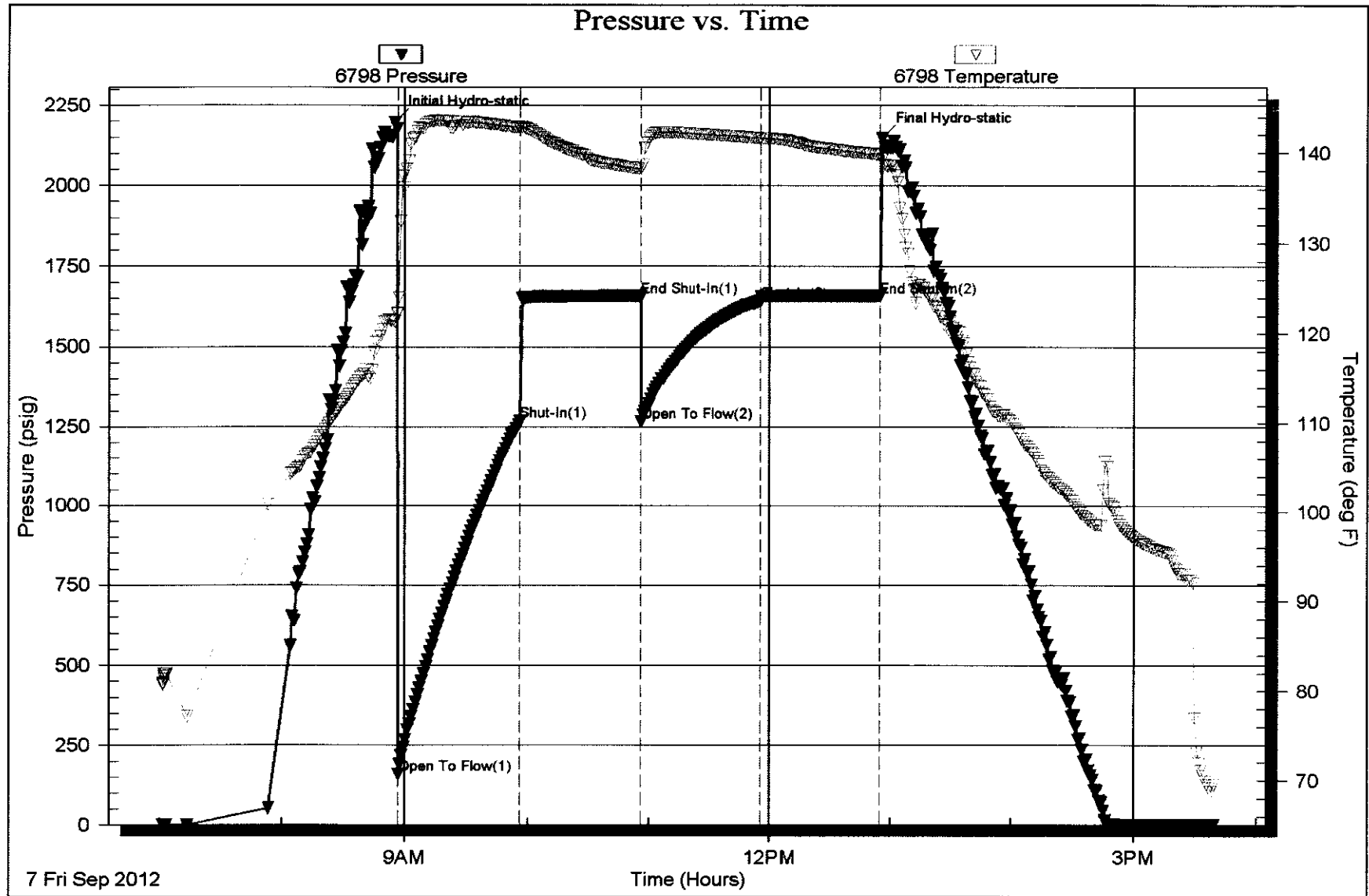
Num Gas Bombs: 0

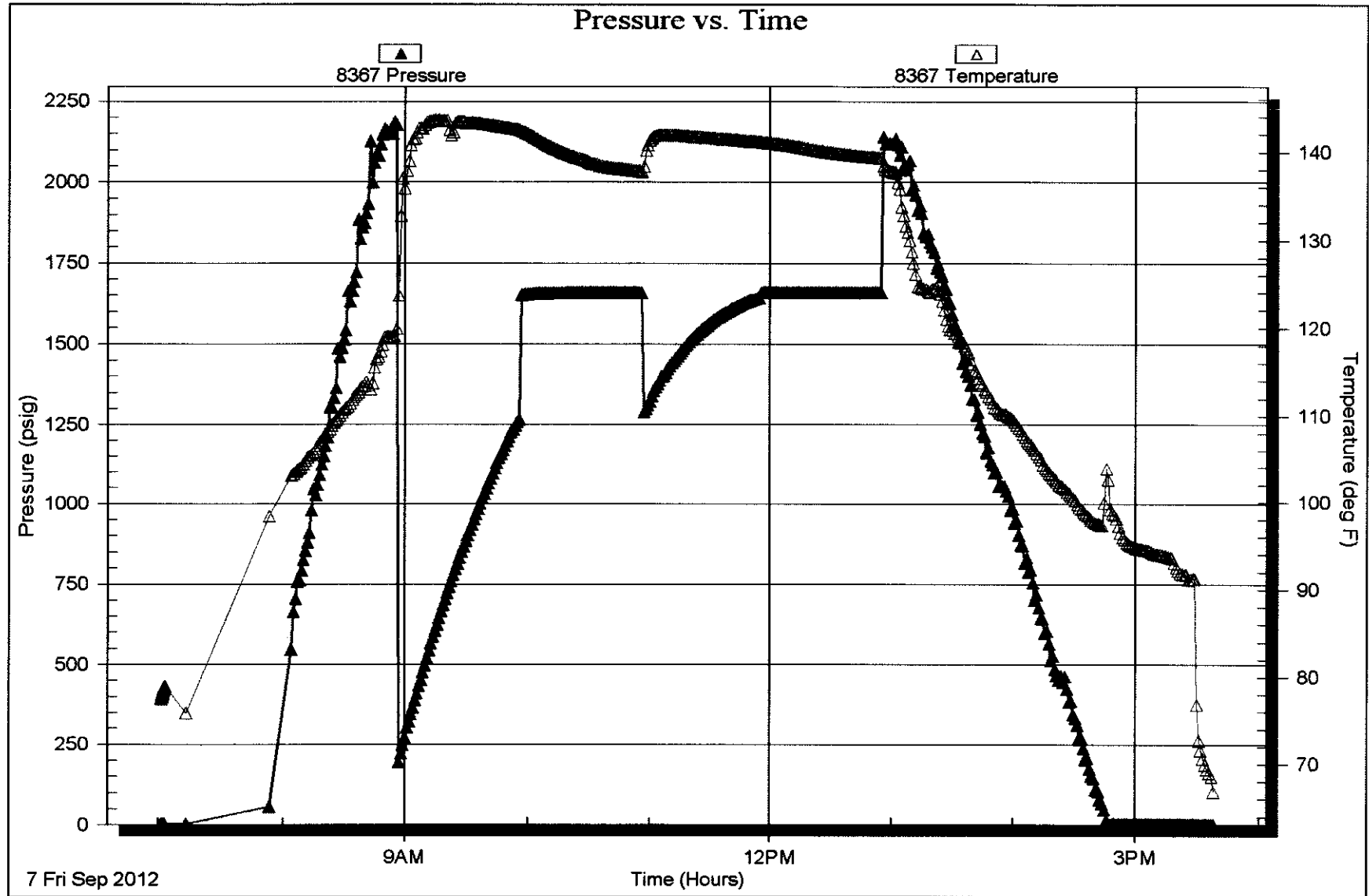
Serial #:

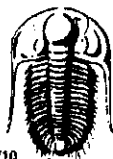
Laboratory Name:

Laboratory Location:

Recovery Comments: RW was .15 @ 73 degrees







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49568

Well Name & No. Brown 2 Test No. 1 Date 01/01/12  
 Company Novy Oil & Gas Elevation 1528 KB 1520 GL  
 Address PO BOX 559 Geddard, KS 67052  
 Co. Rep / Geo. David Gould Rig Landmark 6  
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 3644 - 3660 Zone Tested Swope  
 Anchor Length 16 Drill Pipe Run 3518 Mud Wt. 9.3  
 Top Packer Depth 3639 Drill Collars Run 116 Vis 40  
 Bottom Packer Depth 3644 Wt. Pipe Run 0 WL 12.8  
 Total Depth 3660 Chlorides 5000 ppm System LCM

Blow Description IF: weak Blow, BOB in 58 minutes  
ISI: NO Blow Back  
FF: weak Blow, Built to 2 inches  
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Acw</u>		<u>90</u>	<u>10</u>	
<u>436</u>	<u>water</u>				

Rec Total 476 BHT 125 Gravity NIC API RW .09 @ 66 °F Chlorides 94000 ppm  
 (A) Initial Hydrostatic 1786  Test 1150 T-On Location 17:45  
 (B) First Initial Flow 39  Jars 250 T-Started 20:18  
 (C) First Final Flow 198  Safety Joint 75 T-Open 21:55  
 (D) Initial Shut-In 1325  Circ Sub T-Pulled 03:56  
 (E) Second Initial Flow 201  Hourly Standby 3 1/2 350 T-Out 06:12  
 (F) Second Final Flow 297  Mileage (110) 170.50 Comments  
 (G) Final Shut-In 1323  Sampler  
 (H) Final Hydrostatic 1715  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total  
 Day Standby Total 2145.50  
 Accessibility 150 MP/DST Disc't   
 Sub Total 2145.50

Initial Open 90  
 Initial Shut-In 90  
 Final Flow 90  
 Final Shut-In 90

Approved By David Gould 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. 49569

Well Name & No. Brown 2 Test No. 2 Date 09/03/12  
 Company NOVY Oil & Gas Elevation 1528 KB 1520 GL  
 Address PO BOX 559 Goddard, KS 67052  
 Co. Rep / Geo. David Gould Rig Landmark 6  
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4048 - 4058 Zone Tested Mississippi  
 Anchor Length 10 Drill Pipe Run 3920 Mud Wt. 9.5  
 Top Packer Depth 4043 Drill Collars Run 116 Vis 45  
 Bottom Packer Depth 4048 Wt. Pipe Run 0 WL 12.4  
 Total Depth 4058 Chlorides 5000 ppm System LCM

Blow Description IF: weak blow, Built to 5 inches, Died off to 1 inch  
ISI: NO Blow Back  
FF: weak 1 inch blow  
FST: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>GCM</u>	<u>2</u>		<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 127° Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic 2037  Test 1250 T-On Location 20:15  
 (B) First Initial Flow 17  Jars 250 T-Started 20:37  
 (C) First Final Flow 26  Safety Joint 75 T-Open 23:15  
 (D) Initial Shut-In 89  Circ Sub T-Pulled 05:20  
 (E) Second Initial Flow 22  Hourly Standby 1 100 T-Out 07:18  
 (F) Second Final Flow 29  Mileage (110) 170.50 Comments  
 (G) Final Shut-In 138  Sampler  
 (H) Final Hydrostatic 1964  Straddle  Ruined Shale Packer

Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total  
 Initial Open 90  Day Standby 42 1d 14hrs Total 2462.17  
 Initial Shut-In 90  Accessibility 150 MP/DST Disc't   
 Final Flow 90  
 Final Shut-In 90  
 Sub Total 1995.5

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49570

Well Name & No. Brown 2 Test No. 3 Date 09/04/12  
 Company Novy Oil & Gas Elevation 1528 KB 1520 GL  
 Address PO Box 559 Goddard, KS 67052  
 Co. Rep / Geo. David Gould Rig Landmark 6  
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4048 - 4066 Zone Tested Mississippi  
 Anchor Length 16 Drill Pipe Run 3919 Mud Wt. 9.3  
 Top Packer Depth 4043 Drill Collars Run 117 Vis 45  
 Bottom Packer Depth 4048 Wt. Pipe Run 0 WL 12.0  
 Total Depth 4066 Chlorides 7000 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 3 minutes  
ISI: NO Blow Back  
FF: Fair Blow, BOB in 6 minutes  
FSI: NO Blow Back

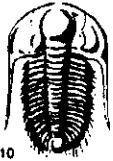
Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>505M</u>		<u>-1</u>		<u>+99</u>
<u>117</u>	<u>60WCM</u>	<u>5</u>	<u>5</u>	<u>30</u>	<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 142 BHT 128 Gravity NIC API RW .065 @ 85 °F Chlorides 110,000 ppm  
 (A) Initial Hydrostatic 2023  Test 1250 T-On Location 14:00  
 (B) First Initial Flow 20  Jars 250 T-Started 15:12  
 (C) First Final Flow 62  Safety Joint 75 T-Open 17:29  
 (D) Initial Shut-In 586  Circ Sub T-Pulled 23:28  
 (E) Second Initial Flow 54  Hourly Standby 1 1/2 150 T-Out 01:24  
 (F) Second Final Flow 71  Mileage (110) 170.50 Comments  
 (G) Final Shut-In 573  Sampler  
 (H) Final Hydrostatic 1899  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total  
 Day Standby Total 2045.50  
 Accessibility 150 MP/DST Disc't

Initial Open 90  
 Initial Shut-In 90  
 Final Flow 90  
 Final Shut-In 90

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49571

Well Name & No. Brown 2 Test No. 4 Date 09/05/12  
 Company NOVY oil & Gas Elevation 1528 KB 1520 GL  
 Address PO Box 559 Goddard, KS 67052  
 Co. Rep / Geo. David Barker Rig Landmark 6  
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4086 - 4093 Zone Tested Mississippi  
 Anchor Length 7 Drill Pipe Run 3950 Mud Wt. 9.2  
 Top Packer Depth 4081 Drill Collars Run 117 Vis 46  
 Bottom Packer Depth 4086 Wt. Pipe Run 0 WL 10.0  
 Total Depth 4093 Chlorides 5000 ppm System LCM 1

Blow Description IF: WEAK BLOW, Built to 1 1/2 inches

ISL: NO BLOW BACK

FF: WEAK 1/2 inch BLOW

FST: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>505M</u>		<u>-1</u>		<u>+99</u>
<u>60</u>	<u>505MW</u>		<u>1</u>	<u>51</u>	<u>48</u>

Rec Total 62 BHT 124° Gravity N/C API RW .065@ 89° F Chlorides 95000 ppm

(A) Initial Hydrostatic <u>2045</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>08:00</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>08:50</u>
(C) First Final Flow <u>35</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>10:32</u>
(D) Initial Shut-In <u>632</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>14:00</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:07</u>
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>(1100)</u> 170.50	Comments _____
(G) Final Shut-In <u>570</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1966</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total _____
	<input checked="" type="checkbox"/> Accessibility 150	MP/DST Disc't <input checked="" type="checkbox"/>
	Sub Total <u>1895.50</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49572

Well Name & No. Brown 2 Test No. 5 Date 09/07/12  
 Company Novy Oil & Gas Elevation 1528 KB 1520 GL  
 Address PO BOX 559 Goddard, KS 67052  
 Co. Rep / Geo. Dave Goldak Rig Landmark 6  
 Location: Sec. 10 Twp. 29S Rge. 6W Co. Kingman State KS

Interval Tested 4354 - 4480 Zone Tested viola  
 Anchor Length 126 Drill Pipe Run 4229 Mud Wt. 9.3  
 Top Packer Depth 4349 Drill Collars Run 117 Vis 48  
 Bottom Packer Depth 4354 Wt. Pipe Run 0 WL 10.4  
 Total Depth 4480 Chlorides 4500 ppm System LCM 3

Blow Description IF: Strong Blow, BOB in 2 minutes  
TSI: NO Blow Back  
FF: Strong Blow, BOB in 2 minutes  
FSI: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>620</u>	<u>WCM</u>			<u>50</u>	<u>50</u>
<u>2930</u>	<u>Water</u>				

Rec Total 3550 BHT 139° Gravity N/C API RW .15 @ 73 °F Chlorides 50000 ppm

(A) Initial Hydrostatic 2197  Test 1250 T-On Location 06:30  
 (B) First Initial Flow 160  Jars 250 T-Started 07:01  
 (C) First Final Flow 1268  Safety Joint 75 T-Open 08:56  
 (D) Initial Shut-In 1658  Circ Sub T-Pulled 12:55  
 (E) Second Initial Flow 1267  Hourly Standby T-Out 15:39  
 (F) Second Final Flow 1642  Mileage (110) 170.50 Comments  
 (G) Final Shut-In 1659  Sampler  
 (H) Final Hydrostatic 2146  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer

Initial Open 60  Extra Packer  Extra Copies  
 Initial Shut-In 60  Extra Recorder Sub Total 483.33  
 Final Flow 60  Day Standby 1/2 1d 14.5hrs Total 2378.83  
 Final Shut-In 60  Accessibility (dot) 150 MP/DST Disc't  
 Sub Total \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]

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