



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1202166  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1202166

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

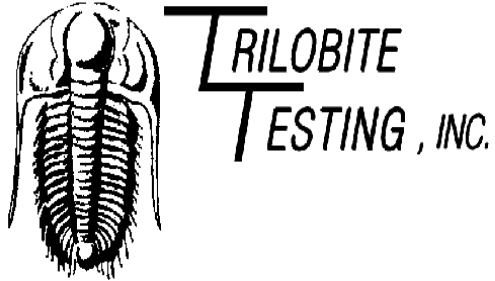
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input 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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---



## DRILL STEM TEST REPORT

Prepared For: **New Age Oil Co**

308 W. 38th st.  
Hays KS 67601

ATTN: Tony Richardson

### **Newell #5**

### **11 9 21w Graham KS**

Start Date: 2013.10.08 @ 13:20:00

End Date: 2013.10.08 @ 18:47:30

Job Ticket #: 53578                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.15 @ 14:03:26



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 53578

**DST#: 1**

ATTN: Tony Richardson

Test Start: 2013.10.08 @ 13:20:00

## GENERAL INFORMATION:

Formation: **LKC-C,D,E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:04:00

Time Test Ended: 18:47:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreutzer Jr.

Unit No: 61

**Interval: 3367.00 ft (KB) To 3416.00 ft (KB) (TVD)**

Reference Elevations: 2195.00 ft (KB)

Total Depth: 3416.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8651**

**Outside**

Press @ Run Depth: 1408.35 psig @ 3381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08

End Date:

2013.10.08

Last Calib.:

2013.10.08

Start Time: 13:20:01

End Time:

18:47:30

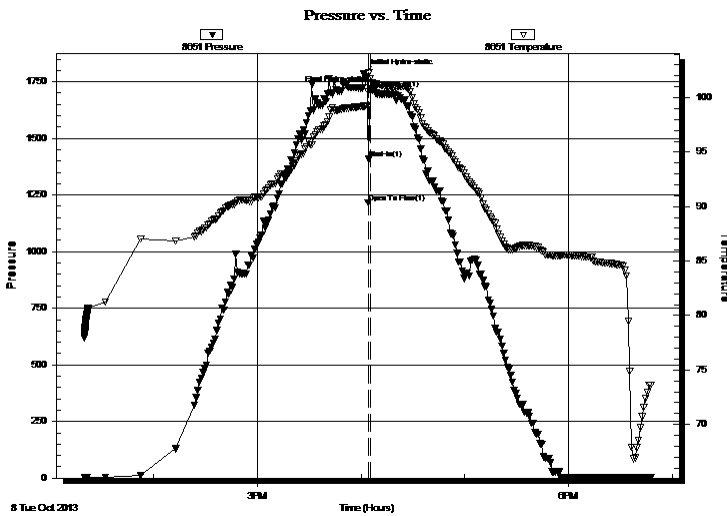
Time On Btm:

2013.10.08 @ 16:02:00

Time Off Btm:

2013.10.08 @ 16:06:30

**TEST COMMENT:** IF: Put 25000 on tool. Tool opened after about 2 mins. Mud dropped. tried putting more weight and filling the hole. Mud never came back pulled tool.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.77	99.22	Initial Hydro-static
2	1215.95	100.54	Open To Flow (1)
3	1408.35	102.31	Shut-In(1)
4	1719.16	101.72	End Shut-In(1)
5	1710.85	101.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
589.00	Mud-100%m	3.54

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 53578

**DST#: 1**

ATTN: Tony Richardson

Test Start: 2013.10.08 @ 13:20:00

## Tool Information

Drill Pipe:	Length: 2833.00 ft	Diameter: 3.80 inches	Volume: 39.74 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: 25000.00 lb
Drill Collar:	Length: 518.00 ft	Diameter: 2.25 inches	Volume: 2.55 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 42.29 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3367.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 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			3352.00	
Hydraulic tool	5.00			3357.00	
Packer - Shale	0.00			3357.00	
Packer	5.00			3362.00	20.00 Bottom Of Top Packer
Packer	5.00			3367.00	
Stubb	1.00			3368.00	
Perforations	12.00			3380.00	
Change Over Sub	1.00			3381.00	
Recorder	0.00	8673	Inside	3381.00	
Recorder	0.00	8651	Outside	3381.00	
Blank Spacing	31.00			3412.00	
Change Over Sub	1.00			3413.00	
Bullnose	3.00			3416.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 53578

**DST#: 1**

ATTN: Tony Richardson

Test Start: 2013.10.08 @ 13:20:00

## 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.14 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
589.00	Mud-100%m	3.543

Total Length: 589.00 ft      Total Volume: 3.543 bbl

Num Fluid Samples: 0

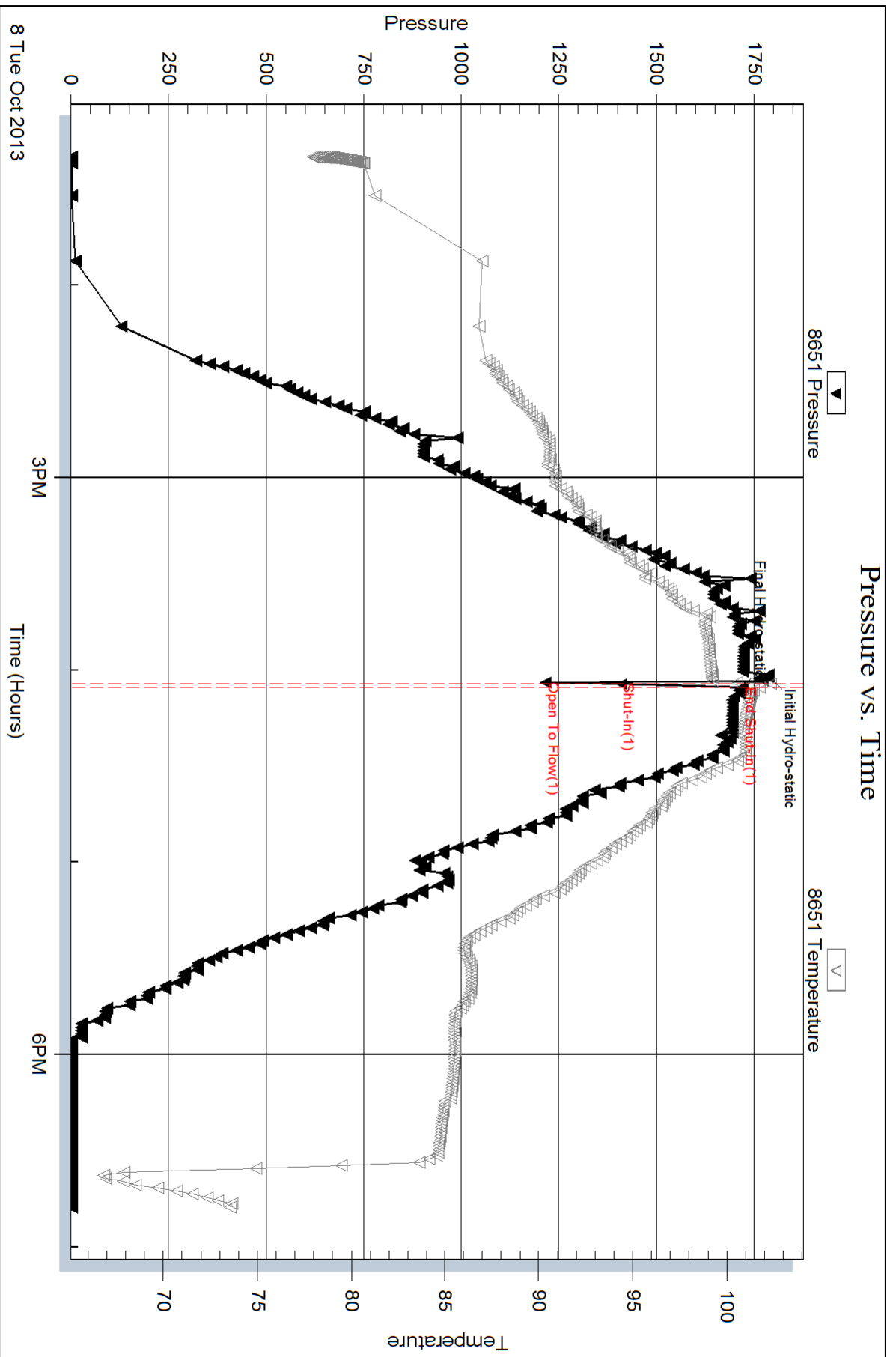
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **New Age Oil Co**

308 W. 38th st.  
Hays KS 67601

ATTN: Tony Richardson

### **Newell #5**

### **11 9 21w Graham KS**

Start Date: 2013.10.10 @ 22:35:00

End Date: 2013.10.11 @ 08:43:00

Job Ticket #: 52257                      DST #: 2

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

Printed: 2013.10.15 @ 14:02:57





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52257

**DST#: 2**

ATTN: Tony Richardson

Test Start: 2013.10.10 @ 22:35:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:22:30

Time Test Ended: 08:43:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

**Interval: 3723.00 ft (KB) To 3745.00 ft (KB) (TVD)**

Reference Elevations: 2195.00 ft (KB)

Total Depth: 3850.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8289 Outside**

Press @ RunDepth: 182.11 psig @ 3726.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.10

End Date:

2013.10.11

Last Calib.: 2013.10.11

Start Time: 22:35:02

End Time:

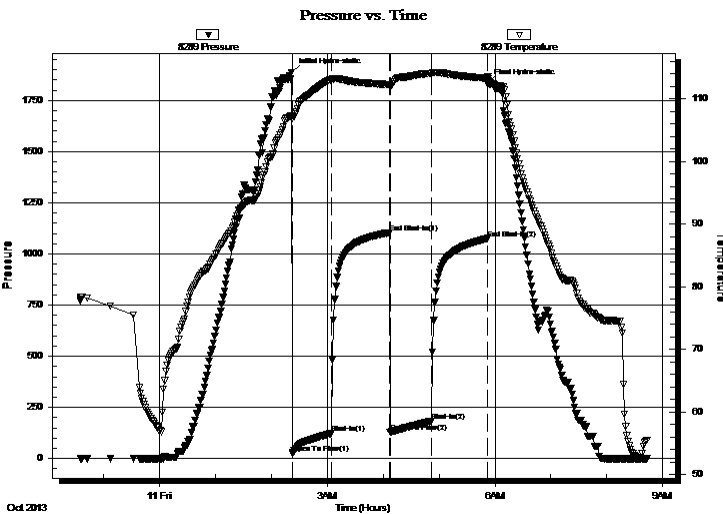
08:43:15

Time On Btm: 2013.10.11 @ 02:22:00

Time Off Btm: 2013.10.11 @ 05:52:15

**TEST COMMENT:** 45-IFP- BOB in 20 min.  
60-ISIP- No Blow  
45-FFP- BOB in 34 min.  
60-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.52	107.33	Initial Hydro-static
1	23.66	106.85	Open To Flow (1)
43	124.46	113.08	Shut-In(1)
105	1104.03	112.29	End Shut-In(1)
106	127.43	111.81	Open To Flow (2)
150	182.11	114.07	Shut-In(2)
210	1074.67	113.31	End Shut-In(2)
211	1830.91	113.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
368.00	WCM 10% m 90% w	3.87
7.00	CO 100%	0.10

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52257

**DST#: 2**

ATTN: Tony Richardson

Test Start: 2013.10.10 @ 22:35:00

## Tool Information

Drill Pipe:	Length: 3585.00 ft	Diameter: 3.80 inches	Volume: 50.29 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 142.00 ft	Diameter: 2.25 inches	Volume: 0.70 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 50.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3723.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	3745.00 ft			
Interval between Packers:	22.00 ft			
Tool Length:	147.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3703.00	
Shut In Tool	5.00			3708.00	
Hydraulic tool	5.00			3713.00	
Packer	5.00			3718.00	21.00 Bottom Of Top Packer
Packer	5.00			3723.00	
Stubb	1.00			3724.00	
Perforations	2.00			3726.00	
Recorder	0.00	8789	Inside	3726.00	
Recorder	0.00	8289	Outside	3726.00	
Perforations	15.00			3741.00	
Blank Off Sub	1.00			3742.00	
Blank Spacing	3.00			3745.00	22.00 Tool Interval
Packer	1.00			3746.00	
Perforations	5.00			3751.00	
Change Over Sub	1.00			3752.00	
Recorder	0.00	6668	Below	3752.00	
Blank Spacing	93.00			3845.00	
Change Over Sub	1.00			3846.00	
Bullnose	3.00			3849.00	104.00 Bottom Packers & Anchor

**Total Tool Length: 147.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52257

**DST#: 2**

ATTN: Tony Richardson

Test Start: 2013.10.10 @ 22:35:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 4.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
368.00	WCM 10%m 90%w	3.869
7.00	CO 100%	0.098

Total Length: 375.00 ft      Total Volume: 3.967 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .338 @ 60

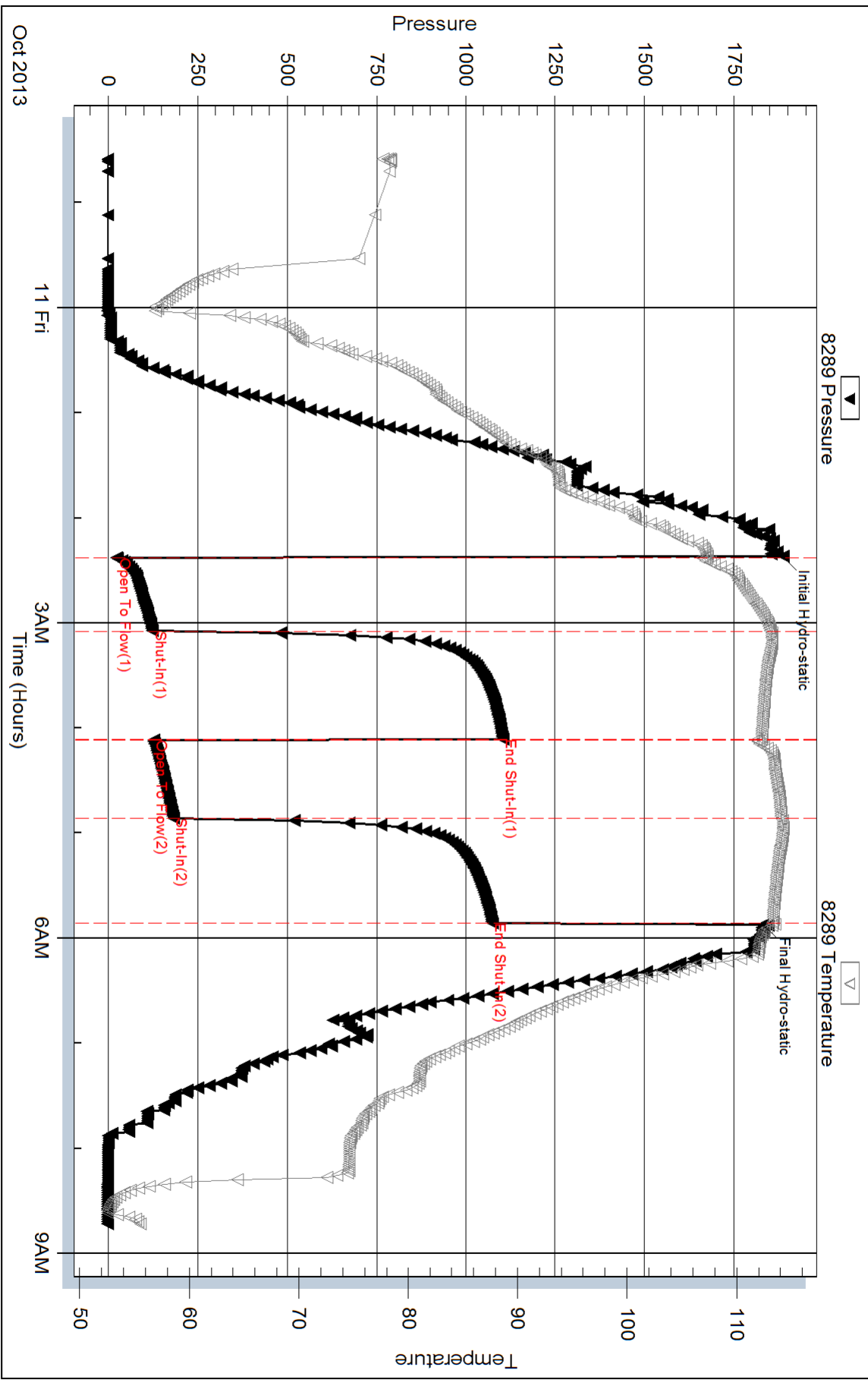
Serial #: 8289

Outside New Age Oil Co

New ell #5

DST Test Number: 2

### Pressure vs. Time

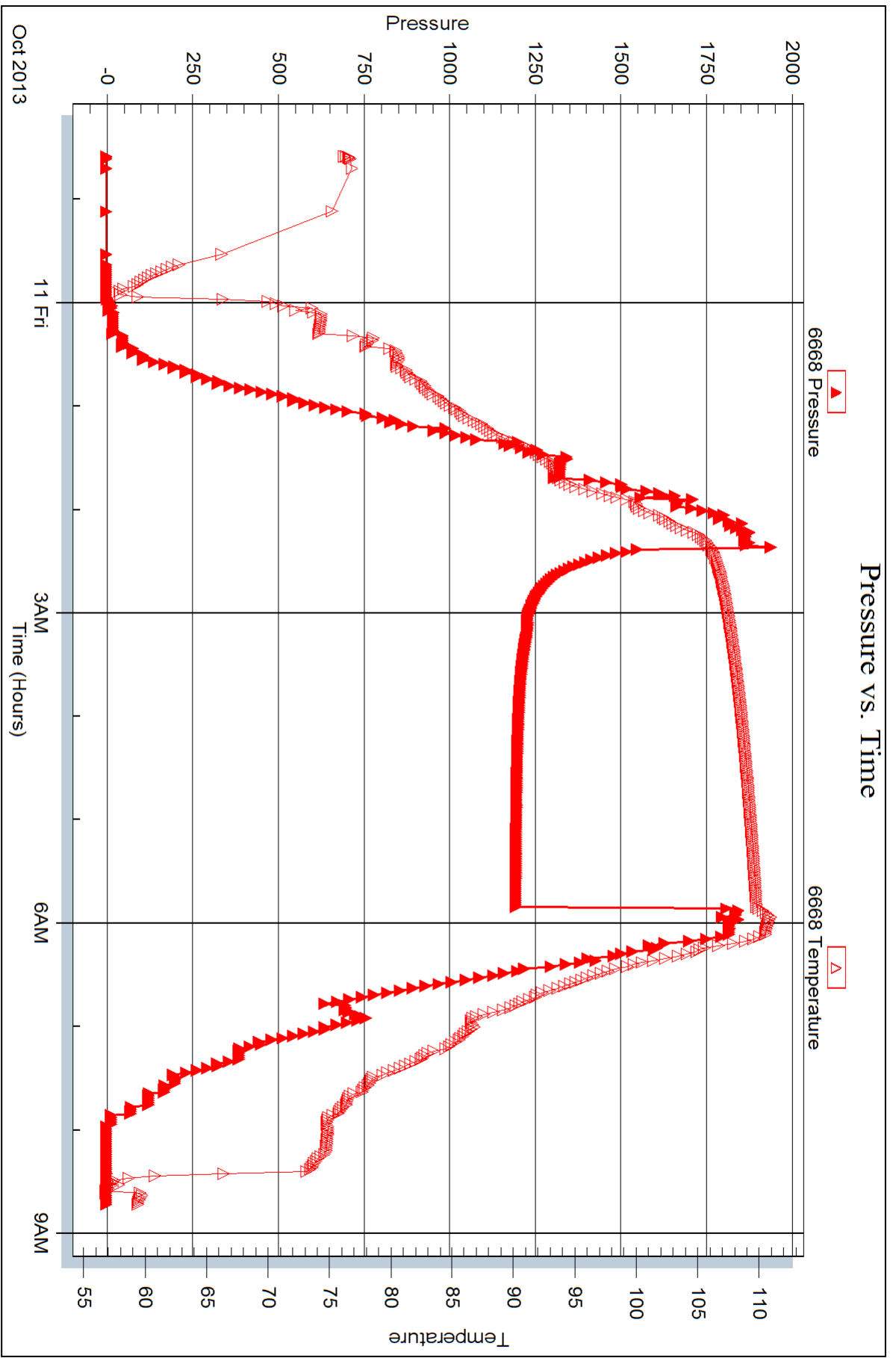


Serial #: 6668

Below (Strat) Eagle Oil Co

New well #5

DST Test Number: 2



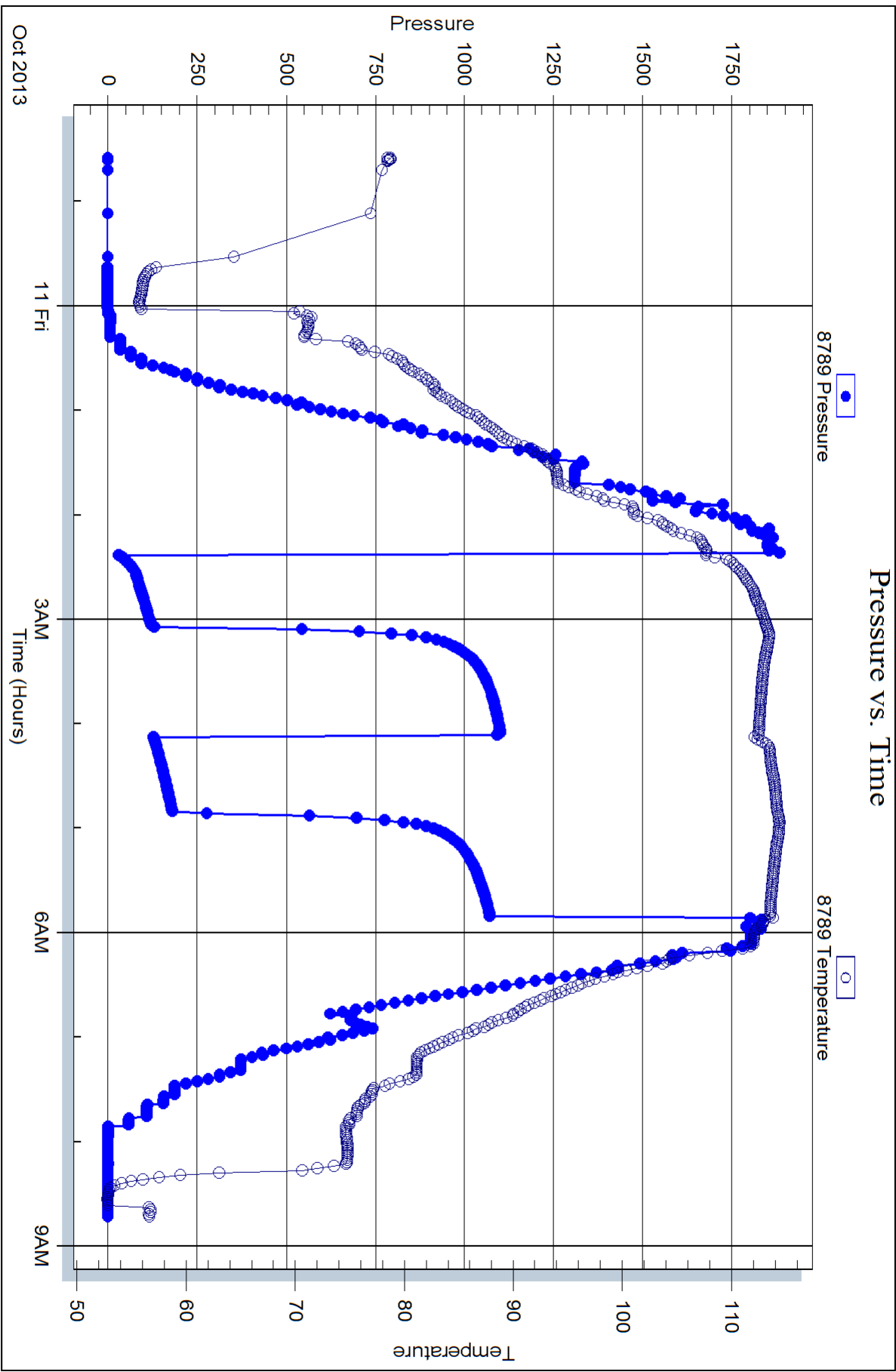
Serial #: 8789

Inside

New Age Oil Co

New ell #5

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **New Age Oil Co**

308 W. 38th st.  
Hays KS 67601

ATTN: Tony Richardson

### **Newell #5**

### **11 9 21w Graham KS**

Start Date: 2013.10.11 @ 09:20:00

End Date: 2013.10.11 @ 13:25:00

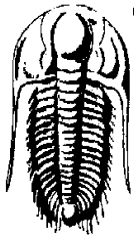
Job Ticket #: 52258                      DST #: 3

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

Printed: 2013.10.15 @ 14:02:24

New Age Oil Co  
11 9 21w Graham KS  
Newell #5  
DST # 3  
LKC " A "  
2013.10.11





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52258

**DST#: 3**

ATTN: Tony Richardson

Test Start: 2013.10.11 @ 09:20:00

## GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:00

Time Test Ended: 13:25:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

**Interval: 3370.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Total Depth: 3850.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2195.00 ft (KB)

2188.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 6668 Below (Straddle)**

Press @ Run Depth: psig @ 3407.00 ft (KB)

Start Date: 2013.10.11

End Date:

2013.10.11

Start Time: 09:20:02

End Time:

13:25:00

Capacity: 8000.00 psig

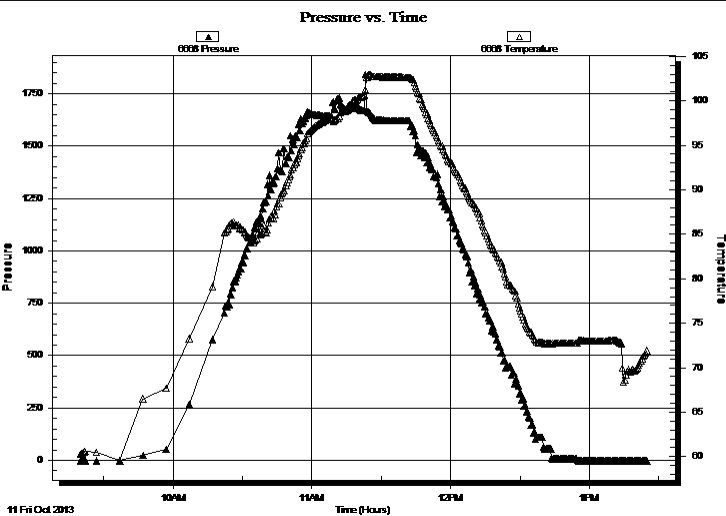
Last Calib.:

2013.10.11

Time On Btm:

Time Off Btm:

TEST COMMENT: Miss-Run Packer Failure



## PRESSURE SUMMARY

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

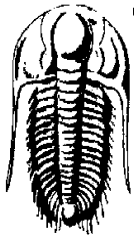
## Recovery

Length (ft)	Description	Volume (bbl)

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52258

**DST#: 3**

ATTN: Tony Richardson

Test Start: 2013.10.11 @ 09:20:00

## GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:00

Time Test Ended: 13:25:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

**Interval: 3370.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Reference Elevations: 2195.00 ft (KB)

Total Depth: 3850.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8789** Inside

Press @ Run Depth: psig @ 3381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.11

End Date:

2013.10.11

Last Calib.:

2013.10.11

Start Time: 09:20:02

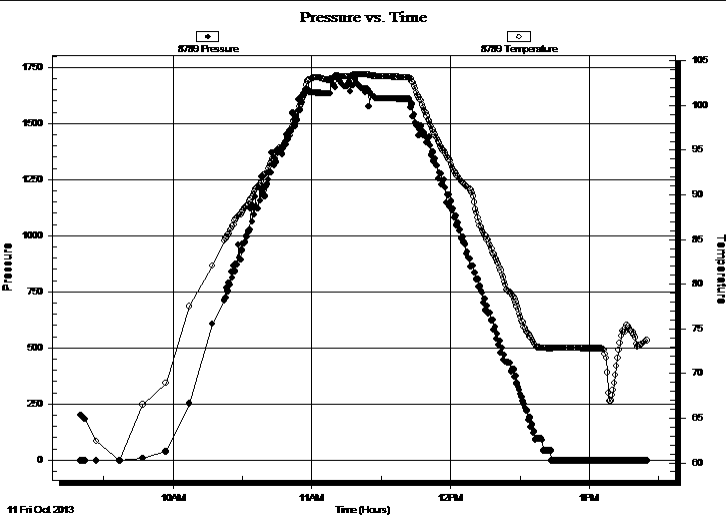
End Time:

13:25:00

Time On Btm:

Time Off Btm:

TEST COMMENT: Miss-Run Packer Failure



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52258

**DST#: 3**

ATTN: Tony Richardson

Test Start: 2013.10.11 @ 09:20:00

## Tool Information

Drill Pipe:	Length: 3240.00 ft	Diameter: 3.80 inches	Volume: 45.45 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 142.00 ft	Diameter: 2.25 inches	Volume: 0.70 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3370.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3400.00 ft			
Interval between Packers:	30.00 ft			
Tool Length:	500.00 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			3355.00	
Hydraulic tool	5.00			3360.00	
Packer	5.00			3365.00	20.00 Bottom Of Top Packer
Packer	5.00			3370.00	
Stubb	1.00			3371.00	
Perforations	10.00			3381.00	
Recorder	0.00	8789	Inside	3381.00	
Recorder	0.00	8289	Outside	3381.00	
Perforations	15.00			3396.00	
Blank Off Sub	1.00			3397.00	
Blank Spacing	3.00			3400.00	30.00 Tool Interval
Packer	1.00			3401.00	
Perforations	5.00			3406.00	
Change Over Sub	1.00			3407.00	
Recorder	0.00	6668	Below	3407.00	
Blank Spacing	439.00			3846.00	
Change Over Sub	1.00			3847.00	
Bullnose	3.00			3850.00	450.00 Bottom Packers & Anchor

**Total Tool Length: 500.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52258

**DST#: 3**

ATTN: Tony Richardson

Test Start: 2013.10.11 @ 09:20:00

## 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: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:                      ft      Total Volume:                      bbl

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

Laboratory Name:                      Laboratory Location:

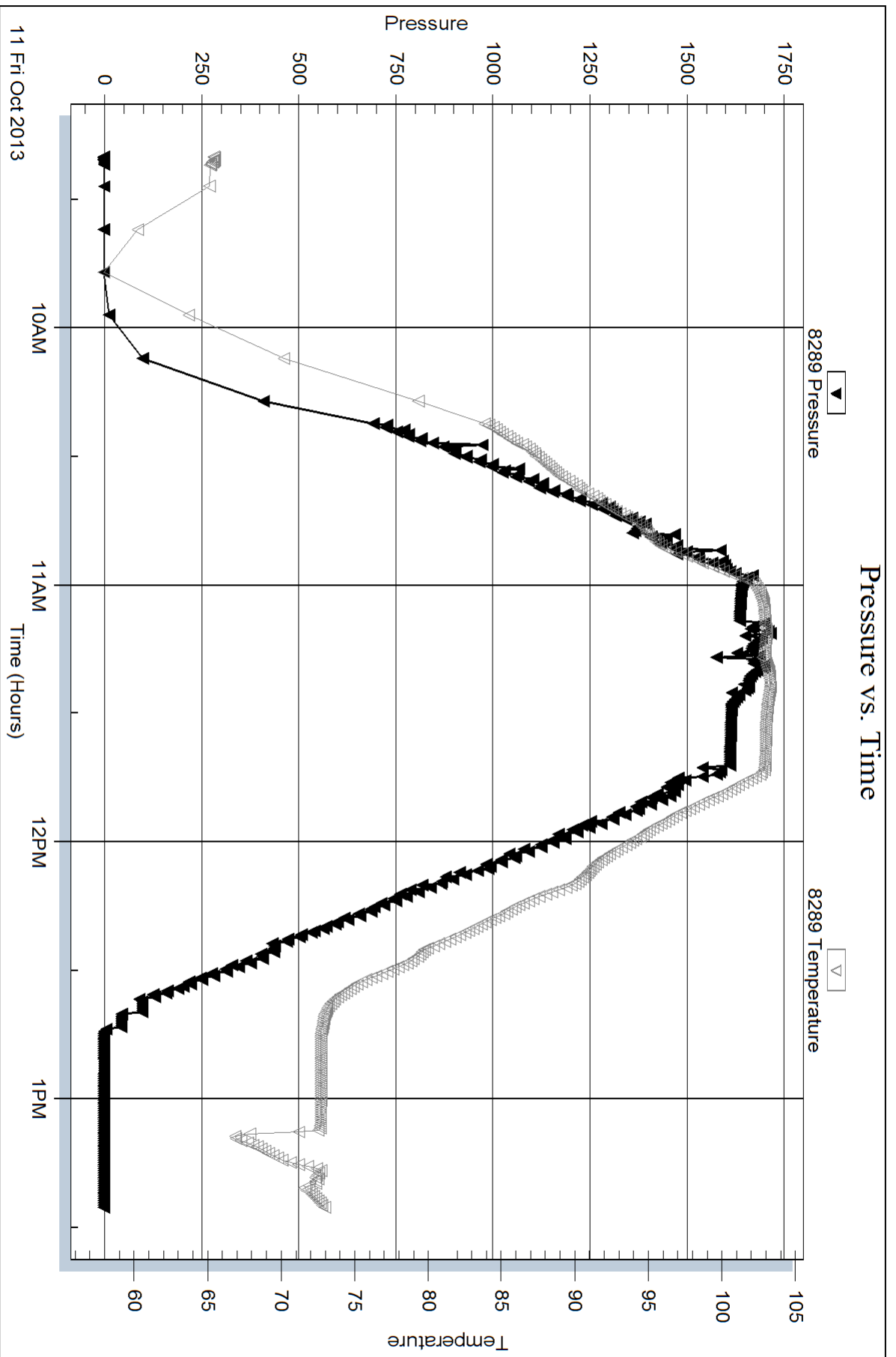
Recovery Comments:

Serial #: 8289

Outside New Age Oil Co

New ell #5

DST Test Number: 3

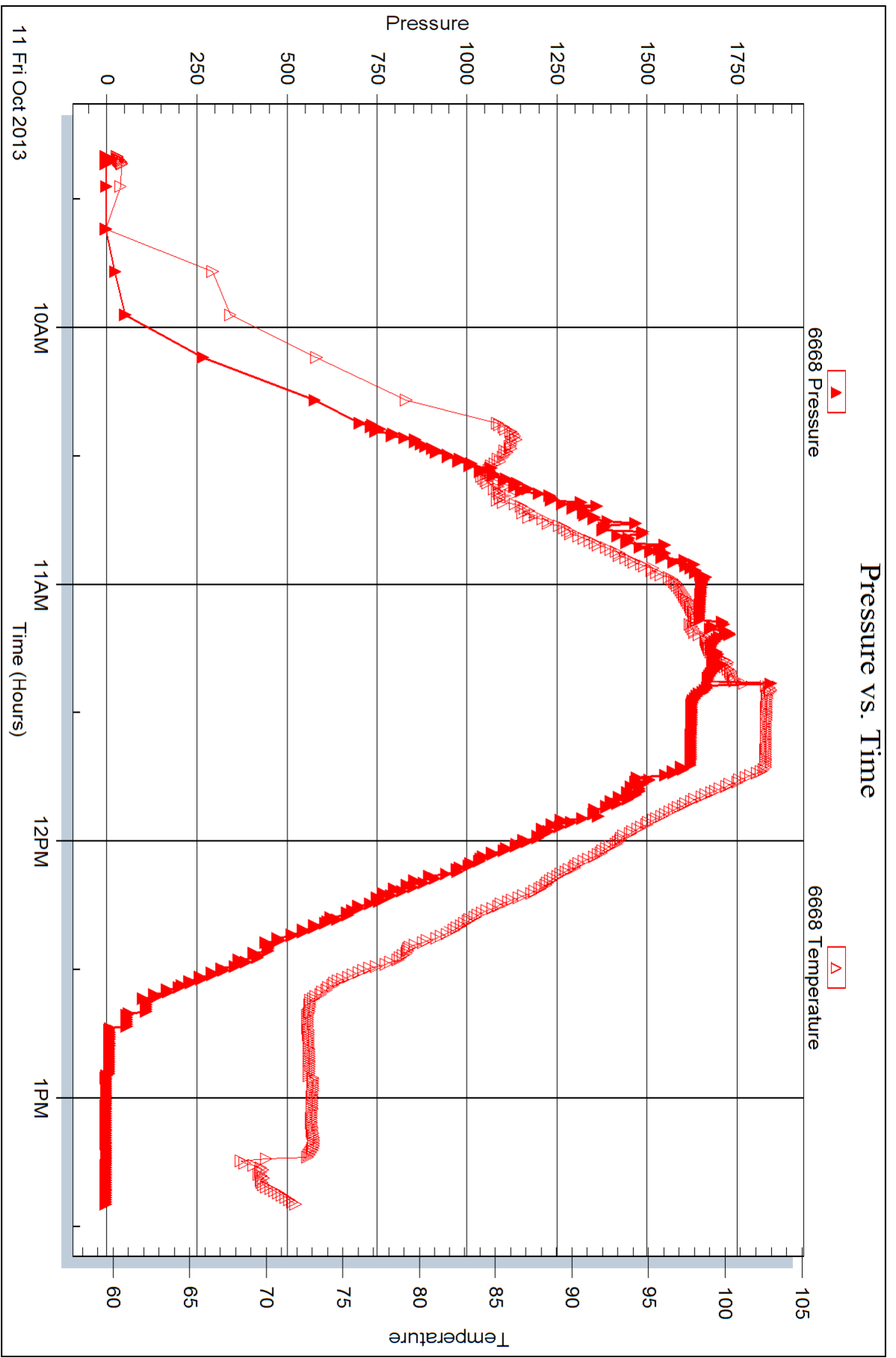


Serial #: 6668

Below (Stratton) Oge Oil Co

New ell #5

DST Test Number: 3





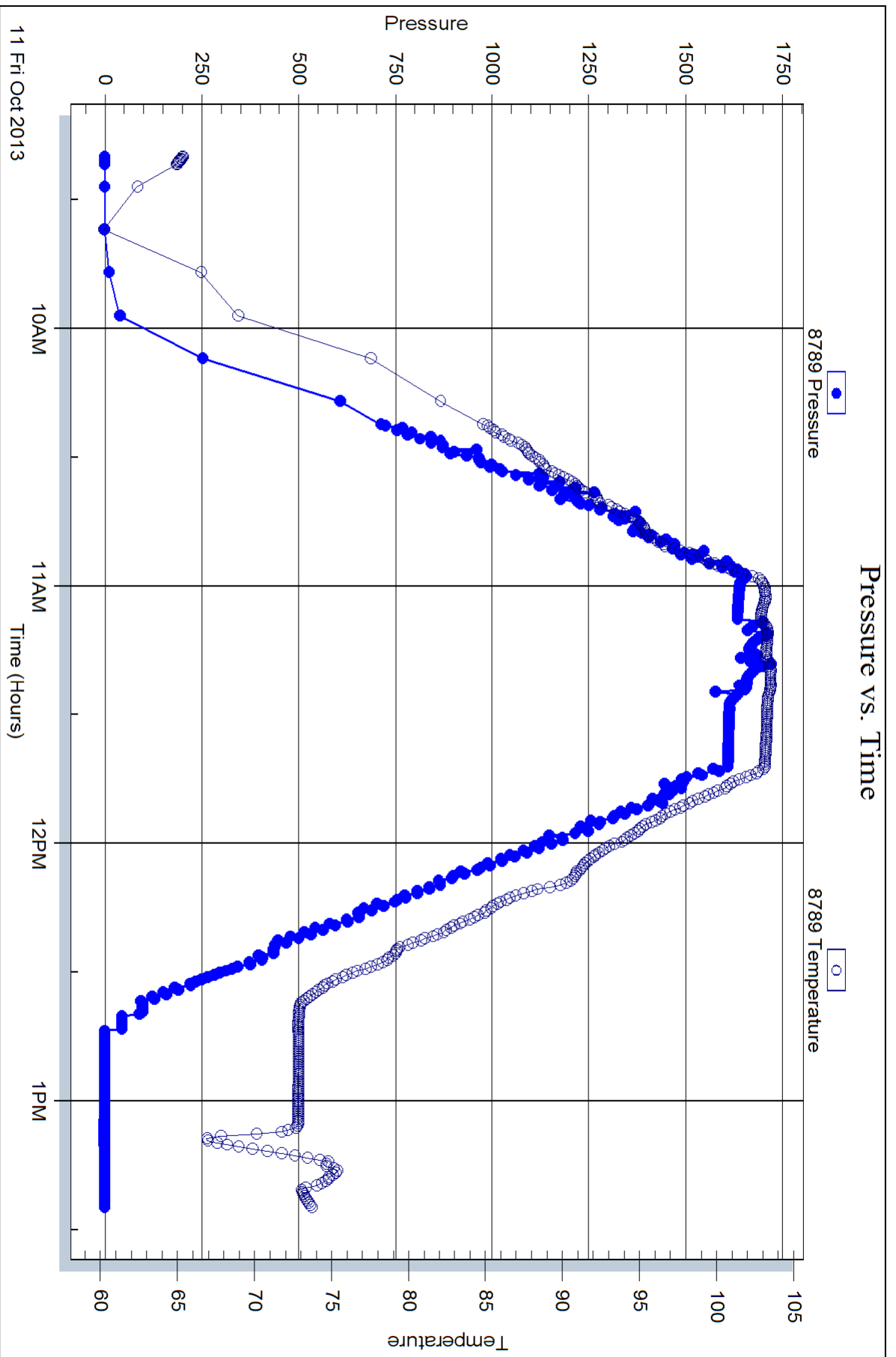
Serial #: 8789

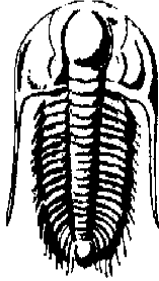
Inside

New Age Oil Co

New ell #5

DST Test Number: 3





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **New Age Oil Co**

308 W. 38th st.  
Hays KS 67601

ATTN: Tony Richardson

**Newell #5**

**11 9 21w Graham KS**

Start Date: 2013.10.11 @ 20:40:00

End Date: 2013.10.12 @ 05:55:00

Job Ticket #: 52259                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.15 @ 14:01:35

New Age Oil Co  
11 9 21w Graham KS  
Newell #5  
DST # 4  
LKC " A "  
2013.10.11



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52259

**DST#: 4**

ATTN: Tony Richardson

Test Start: 2013.10.11 @ 20:40:00

## GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:07:45

Time Test Ended: 05:55:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

**Interval: 3334.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Reference Elevations: 2195.00 ft (KB)

Total Depth: 3850.00 ft (KB) (TVD)

2188.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8289 Outside**

Press @ RunDepth: 130.63 psig @ 3381.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.11

End Date:

2013.10.12

Last Calib.: 2013.10.12

Start Time: 20:40:02

End Time:

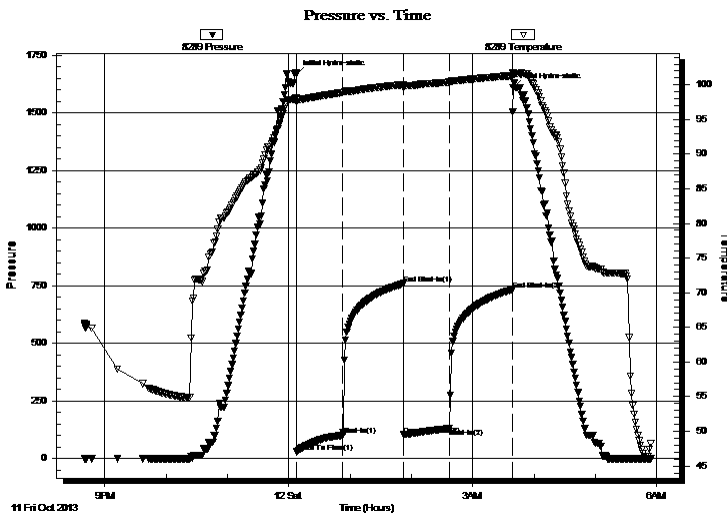
05:55:00

Time On Btm: 2013.10.12 @ 00:07:30

Time Off Btm: 2013.10.12 @ 03:39:30

**TEST COMMENT:** 45-IFP- Surface Blow Building to 7 1/2 in.  
60-ISIP- No Blow  
45-FFP- Surface Blow in 10min. Building to 5 in.  
60-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.72	98.16	Initial Hydro-static
1	29.09	97.54	Open To Flow (1)
46	99.92	98.90	Shut-In(1)
105	759.32	100.02	End Shut-In(1)
105	103.02	99.65	Open To Flow (2)
150	130.63	100.40	Shut-In(2)
212	733.64	101.33	End Shut-In(2)
212	1609.71	101.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	Oil Speck Mud 100%	2.07

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52259

**DST#: 4**

ATTN: Tony Richardson

Test Start: 2013.10.11 @ 20:40:00

## Tool Information

Drill Pipe:	Length: 3178.00 ft	Diameter: 3.80 inches	Volume: 44.58 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 142.00 ft	Diameter: 2.25 inches	Volume: 0.70 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 45.28 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	3334.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	3400.00 ft				
Interval between Packers:	66.00 ft				
Tool Length:	536.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3314.00	
Shut In Tool	5.00			3319.00	
Hydraulic tool	5.00			3324.00	
Packer	5.00			3329.00	21.00 Bottom Of Top Packer
Packer	5.00			3334.00	
Stubb	1.00			3335.00	
Perforations	13.00			3348.00	
Change Over Sub	1.00			3349.00	
Blank Spacing	31.00			3380.00	
Change Over Sub	1.00			3381.00	
Recorder	0.00	8789	Inside	3381.00	
Recorder	0.00	8289	Outside	3381.00	
Perforations	15.00			3396.00	
Blank Off Sub	1.00			3397.00	
Blank Spacing	3.00			3400.00	66.00 Tool Interval
Packer	1.00			3401.00	
Perforations	5.00			3406.00	
Change Over Sub	1.00			3407.00	
Recorder	0.00	6668	Below	3407.00	
Blank Spacing	438.00			3845.00	
Change Over Sub	1.00			3846.00	
Bullnose	3.00			3849.00	449.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>536.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52259

**DST#: 4**

ATTN: Tony Richardson

Test Start: 2013.10.11 @ 20:40:00

## 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.15 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 3.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Oil Speck Mud 100%	2.073

Total Length: 240.00 ft      Total Volume: 2.073 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

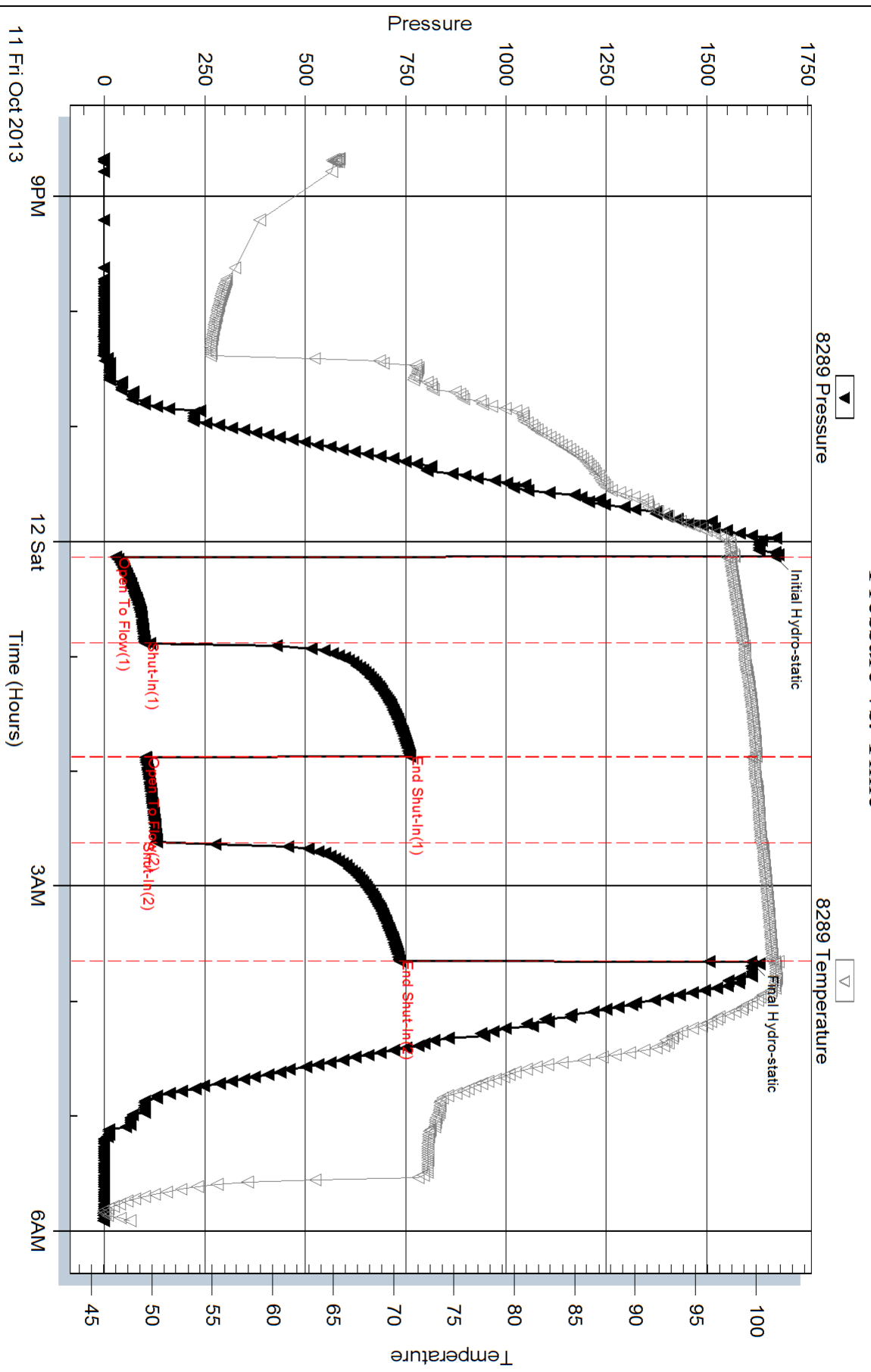
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



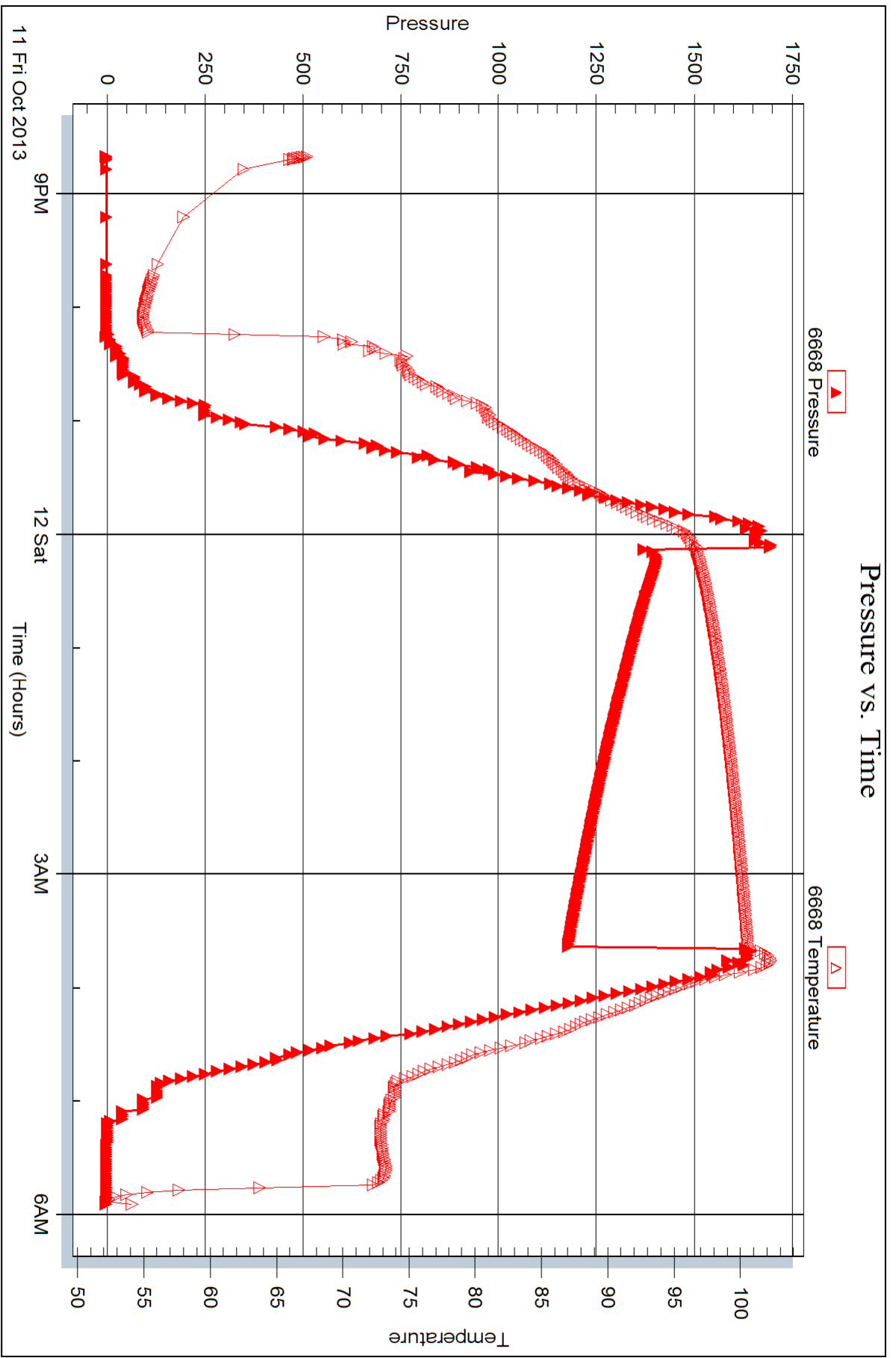


Serial #: 6668

Below (Strat) Maje Oil Co

New ell #5

DST Test Number: 4



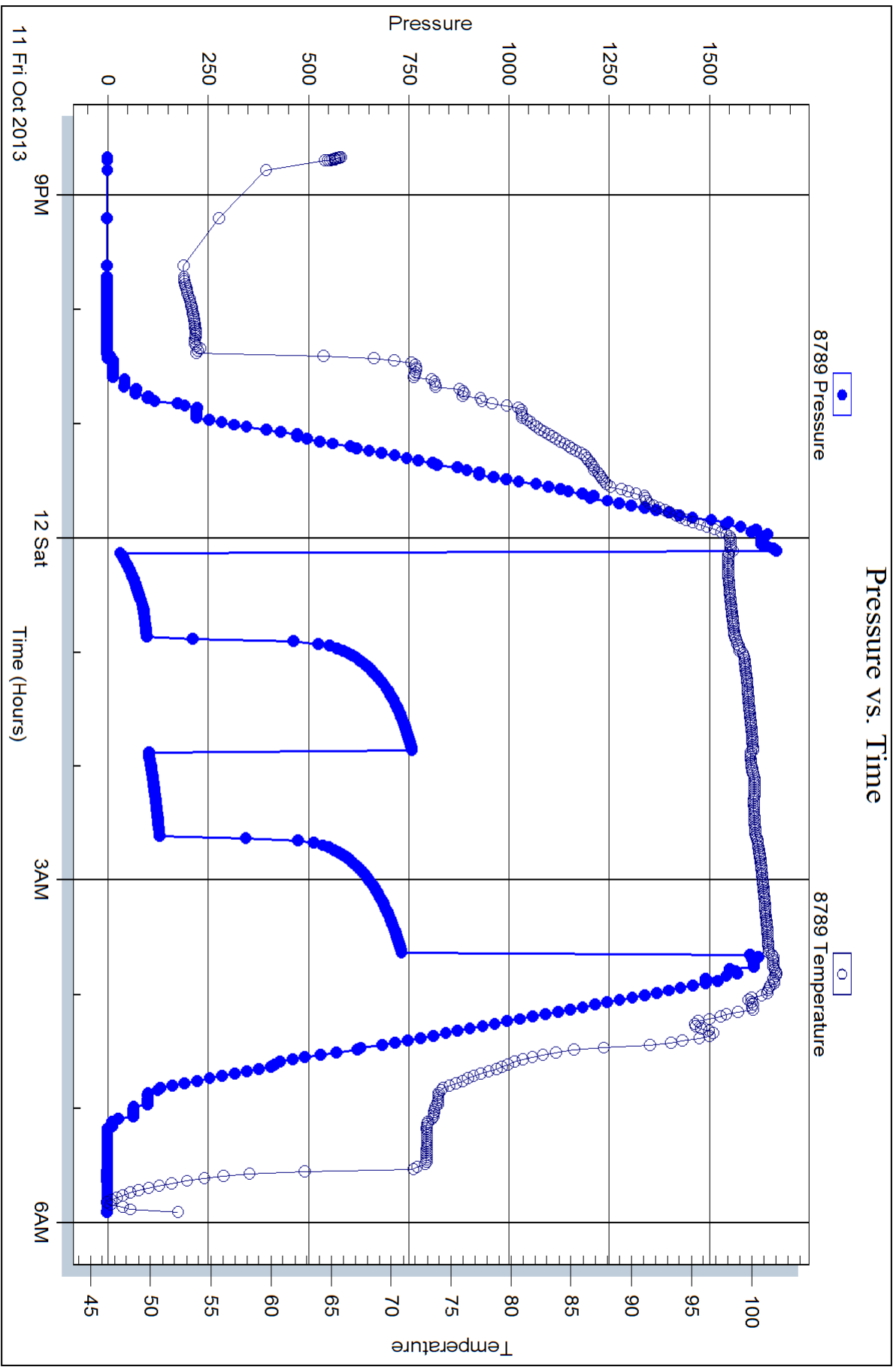
Serial #: 8789

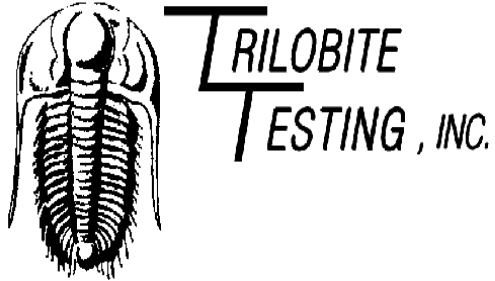
Inside

New Age Oil Co

New ell #5

DST Test Number: 4





## DRILL STEM TEST REPORT

Prepared For: **New Age Oil Co**

308 W. 38th st.  
Hays KS 67601

ATTN: Tony Richardson

### **Newell #5**

### **11 9 21w Graham KS**

Start Date: 2013.10.12 @ 07:23:00

End Date: 2013.10.12 @ 17:01:00

Job Ticket #: 52260                      DST #: 5

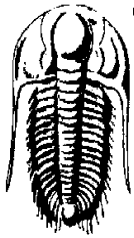
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.15 @ 14:01:09

New Age Oil Co  
11 9 21w Graham KS  
Newell #5  
DST # 5  
Marmaton & Conglamor  
2013.10.12



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

ATTN: Tony Richardson

Job Ticket: 52260

**DST#: 5**

Test Start: 2013.10.12 @ 07:23:00

## GENERAL INFORMATION:

Formation: **Marmaton & Conglamor**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:39:15

Time Test Ended: 17:01:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 54

Interval: **3594.00 ft (KB) To 3730.00 ft (KB) (TVD)**

Total Depth: 3850.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2195.00 ft (KB)

2188.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 8289 Outside**

Press @ Run Depth: 34.83 psig @ 3598.00 ft (KB)

Start Date: 2013.10.12

End Date: 2013.10.12

Start Time: 07:23:02

End Time: 17:00:30

Capacity: 8000.00 psig

Last Calib.: 2013.10.12

Time On Btm: 2013.10.12 @ 10:39:00

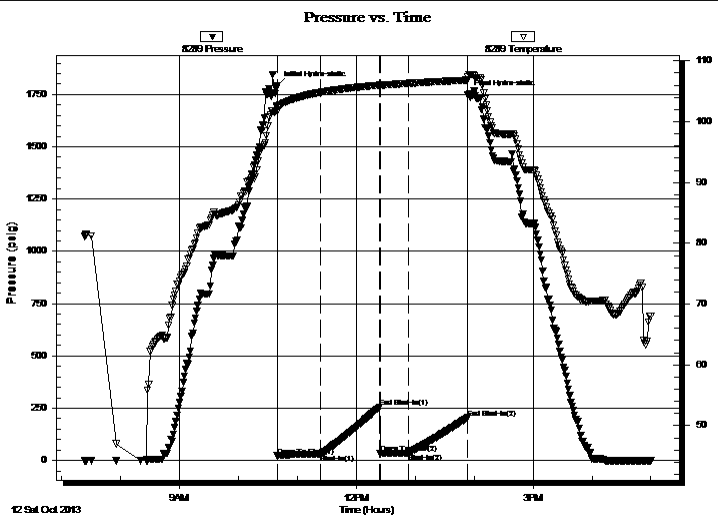
Time Off Btm: 2013.10.12 @ 13:53:30

TEST COMMENT: 45-IFP- Surface Blow Building to 1 in. Died Back in 30 min.

60-ISIP- No Blow

30-FFP- No Blow

60-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.26	102.65	Initial Hydro-static
1	22.04	101.70	Open To Flow (1)
45	31.10	104.82	Shut-In(1)
105	254.32	106.00	End Shut-In(1)
105	32.76	105.92	Open To Flow (2)
135	34.83	106.30	Shut-In(2)
194	204.68	106.83	End Shut-In(2)
195	1747.23	107.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Oil Speck Mud 100%	0.10

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52260

**DST#: 5**

ATTN: Tony Richardson

Test Start: 2013.10.12 @ 07:23:00

## Tool Information

Drill Pipe:	Length: 3462.00 ft	Diameter: 3.80 inches	Volume: 48.56 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 142.00 ft	Diameter: 2.25 inches	Volume: 0.70 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 49.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3594.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	3730.00 ft			
Interval between Packers:	136.00 ft			
Tool Length:	277.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

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

Change Over Sub	1.00			3574.00	
Shut In Tool	5.00			3579.00	
Hydraulic tool	5.00			3584.00	
Packer	5.00			3589.00	21.00 Bottom Of Top Packer
Packer	5.00			3594.00	
Stubb	1.00			3595.00	
Perforations	3.00			3598.00	
Recorder	0.00	8789	Inside	3598.00	
Recorder	0.00	8289	Outside	3598.00	
Change Over Sub	1.00			3599.00	
Blank Spacing	124.00			3723.00	
Change Over Sub	1.00			3724.00	
Perforations	2.00			3726.00	
Blank Off Sub	1.00			3727.00	
Blank Spacing	3.00			3730.00	136.00 Tool Interval
Packer	1.00			3731.00	
Perforations	20.00			3751.00	
Change Over Sub	1.00			3752.00	
Recorder	0.00	6668	Below	3752.00	
Blank Spacing	94.00			3846.00	
Change Over Sub	1.00			3847.00	
Bullnose	3.00			3850.00	120.00 Bottom Packers & Anchor

**Total Tool Length: 277.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

New Age Oil Co

**11 9 21w Graham KS**

308 W. 38th st.  
Hays KS 67601

**Newell #5**

Job Ticket: 52260

**DST#: 5**

ATTN: Tony Richardson

Test Start: 2013.10.12 @ 07:23:00

## 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.16 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Oil Speck Mud 100%	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

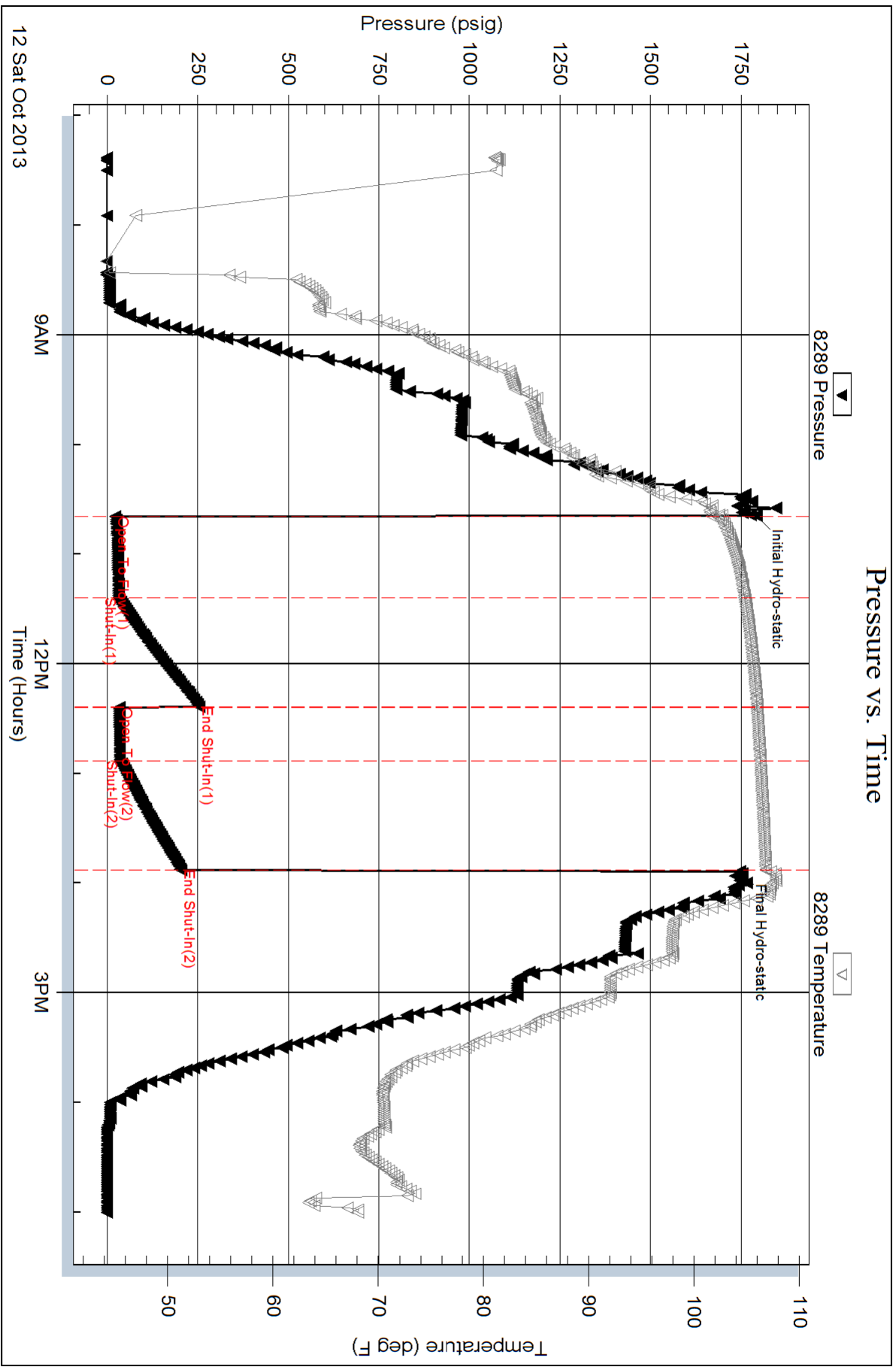


Serial #: 8289

Outside New Age Oil Co

New well #5

DST Test Number: 5

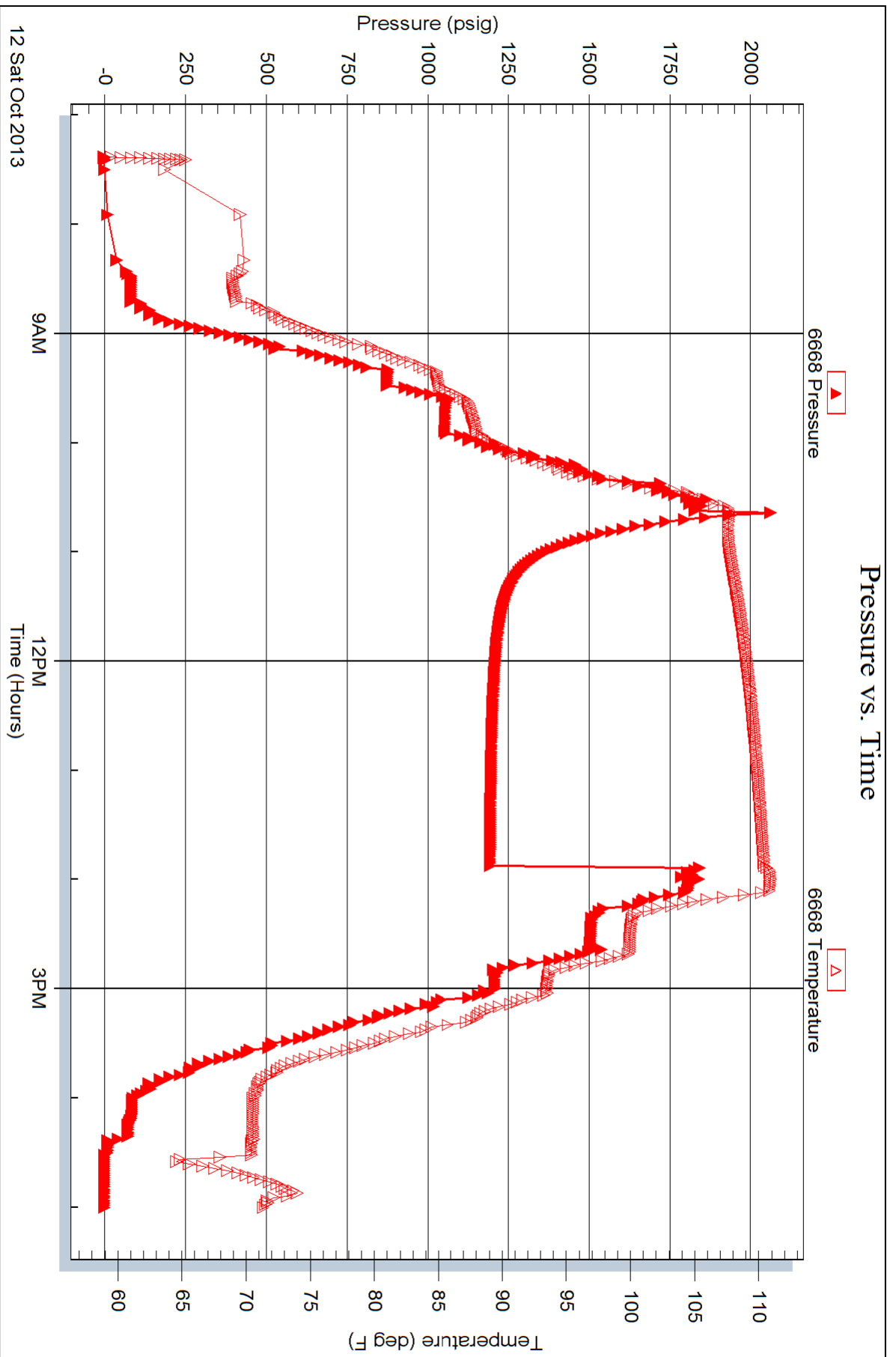


Serial #: 6668

Below (Stratton) Eagle Oil Co

New well #5

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 52260

Printed: 2013.10.15 @ 14:01:11

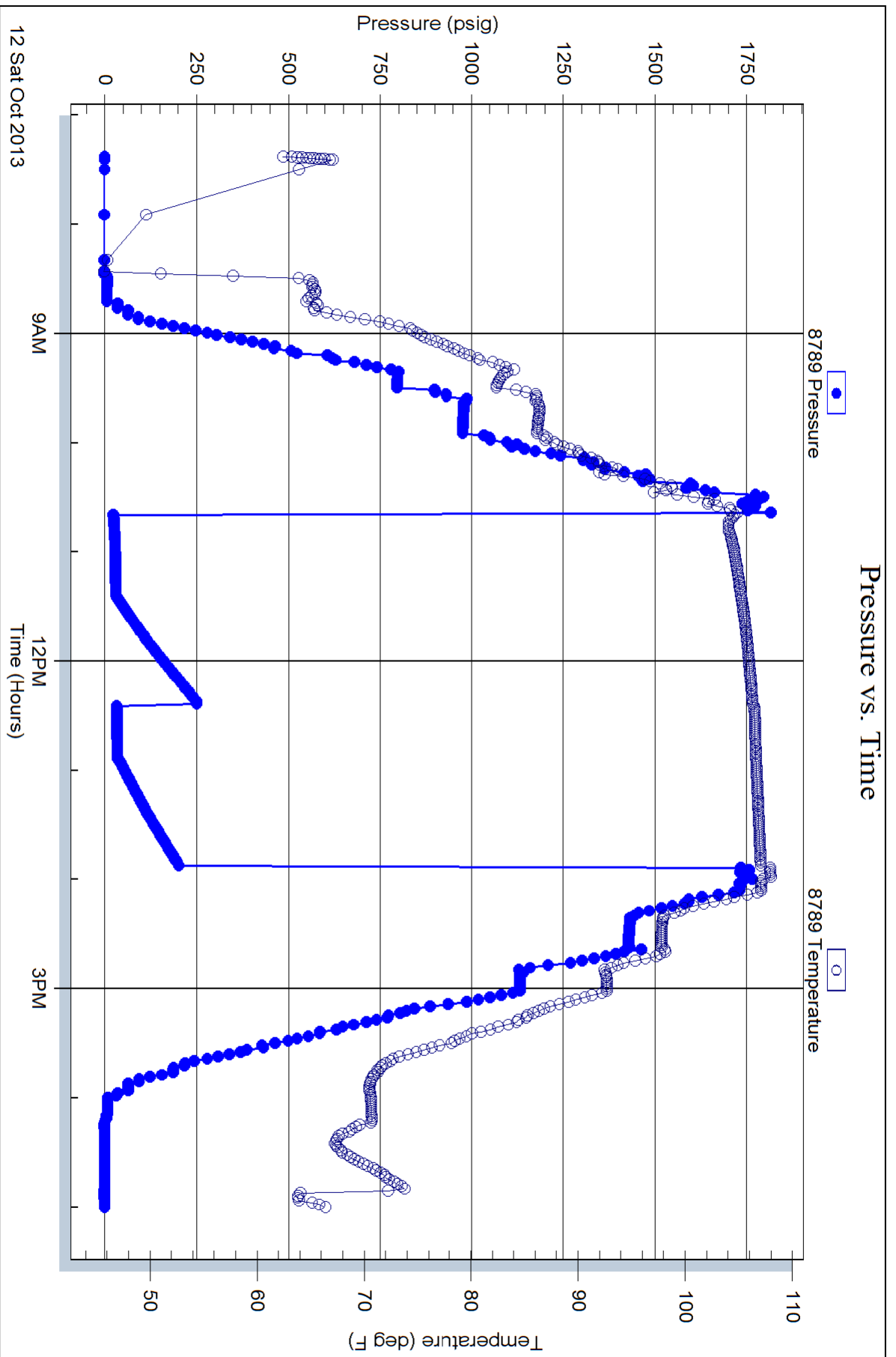
Serial #: 8789

Inside

New Age Oil Co

New ell #5

DST Test Number: 5





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53578

Well Name & No. Newell #5 Test No. 1 Date 10-8-13  
 Company New Age Oil Co. Elevation 2195 KB 2188 GL  
 Address 308 W. 38th St. Hays Ks, 67601  
 Co. Rep / Geo. Tony Richardson Rig skytop  
 Location: Sec. 11 Twp. 9 Rge. 21w Co. Graham State Ks

Interval Tested 3367 3416 Zone Tested LEC CDE  
 Anchor Length 4a Drill Pipe Run 2833 Mud Wt. 88  
 Top Packer Depth 3362 Drill Collars Run 518 Vis 52  
 Bottom Packer Depth 3367 Wt. Pipe Run 0- WL 2.2  
 Total Depth 3416 Chlorides 1000 ppm System LCM 2#

Blow Description IF: lost Mud, Tried to Put more weight on, Mud never came back Pulled Tool

MisRun

Rec	Feet of	%gas	%oil	%water	%mud
<u>58a</u>	<u>Mud</u>			<u>100</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 58a BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1787  Test 950 T-On Location 12:50  
 (B) First Initial Flow 1216  Jars T-Started 13:20  
 (C) First Final Flow 1408  Safety Joint T-Open 16:05  
 (D) Initial Shut-In 171a  Circ Sub T-Pulled 16:07  
 (E) Second Initial Flow 171a  Hourly Standby T-Out 18:47  
 (F) Second Final Flow \_\_\_\_\_  Mileage 110x2=220x1.55 94rt 145.70 Comments loaded rod After test Rig Drilling to T.D. Logging the straddle.  
 (G) Final Shut-In \_\_\_\_\_  Sampler  Ruined Shale Packer  
 (H) Final Hydrostatic 171a  Straddle  Ruined Packer  
 Shale Packer 250  Extra Copies  
 Initial Open 2  Extra Packer Sub Total 0  
 Initial Shut-In \_\_\_\_\_  Extra Recorder Total 1345.70  
 Final Flow \_\_\_\_\_  Day Standby MP/DST Disc't \_\_\_\_\_  
 Final Shut-In \_\_\_\_\_  Accessibility Sub Total 1345.70

Approved By \_\_\_\_\_ Our Representative Chuck [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. 52257

Well Name & No. Newell #5 Test No. 2 Date 10-10-13  
 Company New Age Oil Co Elevation 2195 KB 2188 GL  
 Address 308 W, 38th St. Hays KS, 67601  
 Co. Rep / Geo. Tony Richardson Rig Skycap  
 Location: Sec. 11 Twp. 9S Rge. 21W Co. Graham State KS

Interval Tested 3723-3745 Zone Tested Arbuckle  
 Anchor Length 22 (105 TP) Drill Pipe Run 3585 Mud Wt. 9.2  
 Top Packer Depth 3723 Drill Collars Run 142 Vis 70  
 Bottom Packer Depth 3745 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3850 Chlorides 1000 ppm System LCM 4

Blow Description IFP- BOB in 20 min  
ISIP- No Blow  
FFP- BOB in 34 min  
FSIP- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>368</u>	<u>Feet of mcw</u>			<u>90</u>	<u>10</u>
<u>7</u>	<u>Feet of CO</u>		<u>100</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 375 BHT 113 Gravity 21 API RW .338 @ 60 ° F Chlorides 23000 ppm

(A) Initial Hydrostatic 1885  Test 1150 T-On Location 22:33  
 (B) First Initial Flow 23  Jars \_\_\_\_\_ T-Started 22:35  
 (C) First Final Flow 124  Safety Joint \_\_\_\_\_ T-Open 02:22  
 (D) Initial Shut-In 1104  Circ Sub \_\_\_\_\_ T-Pulled 05:52  
 (E) Second Initial Flow 127  Hourly Standby \_\_\_\_\_ T-Out 08:43  
 (F) Second Final Flow 182  Mileage 94 RT 145.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 1074  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1830  Straddle 600  Ruined Shale Packer \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Total 1895.70  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1895.70

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. 52258

Well Name & No. Newell #5 Test No. 3 Date 10-11-13  
 Company New Age Oil Co. Elevation 2195 KB 2188 GL  
 Address 308 W 38th St. Hays KS 67601  
 Co. Rep / Geo. Tony Richardson Rig Skycap  
 Location: Sec. 11 Twp. 9S Rge. 21W Co. Graham State KS

Interval Tested 3370-3400 Zone Tested LKC "A"  
 Anchor Length 30 (450 TP) Drill Pipe Run 3240 Mud Wt. 9.2  
 Top Packer Depth 3370 Drill Collars Run 142 Vis 70  
 Bottom Packer Depth 3400 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3850 Chlorides 1000 ppm System LCM 4

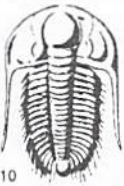
Blow Description \_\_\_\_\_  
Miss Run packer failed

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	Feet of	%gas	%oil	%water	%mud

Rec Total \_\_\_\_\_ BHT 102 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic \_\_\_\_\_  Test 950 T-On Location 22:33 (10-10)  
 (B) First Initial Flow \_\_\_\_\_  Jars \_\_\_\_\_ T-Started 09:20  
 (C) First Final Flow \_\_\_\_\_  Safety Joint \_\_\_\_\_ T-Open 11:17  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub \_\_\_\_\_ T-Pulled 11:20  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 13:25  
 (F) Second Final Flow \_\_\_\_\_  Mileage \_\_\_\_\_ Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Open \_\_\_\_\_  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In \_\_\_\_\_  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow \_\_\_\_\_  Day Standby \_\_\_\_\_ Total 1550  
 Final Shut-In \_\_\_\_\_  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1550

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. 52259

Well Name & No. Newell #5 Test No. 4 Date 10-11-13  
 Company New Age Oil Co. Elevation 2195 KB 2188 GL  
 Address 308 W. 38th St. Hays KS 67601  
 Co. Rep / Geo. Tony Richardson Rig Skatop  
 Location: Sec. 11 Twp. 9S Rge. 21W Co. Graham State KS

Interval Tested 3334-3400 Zone Tested LKC "A"  
 Anchor Length 66 Drill Pipe Run 3178 Mud Wt. 9.5  
 Top Packer Depth 3334 Drill Collars Run 142 Vis 47  
 Bottom Packer Depth 3400 Wt. Pipe Run 0 WL 9.2  
 Total Depth 3850 Chlorides 2000 ppm System LCM 3

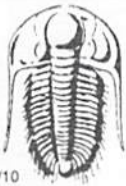
Blow Description FFP - Surface Blow Building to 7 1/2 in.  
ISIP - No Blow  
FFP - Surface Blow in 10 min Building to 5 in.  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>240</u>	<u>Oil Speck Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 240 BHT 101 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1668</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>22:33 (10-10)</u>
(B) First Initial Flow <u>29</u>	<input type="checkbox"/> Jars _____	T-Started <u>20:40</u>
(C) First Final Flow <u>99</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>00:08</u>
(D) Initial Shut-In <u>459</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>03:38</u>
(E) Second Initial Flow <u>103</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>05:55</u>
(F) Second Final Flow <u>130</u>	<input checked="" type="checkbox"/> Mileage _____	Comments _____
(G) Final Shut-In <u>733</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1609</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<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 <u>2000</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2000</u>	

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. 52260

Well Name & No. Newell #5 Test No. 5 Date 10-12-13  
 Company New Age Oil Co. Elevation 2195 KB 2188 GL  
 Address 308 W 38th St HAYS KS 67601  
 Co. Rep / Geo. Tony Richardson Rig Skystop  
 Location: Sec. 11 Twp. 9S Rge. 2W Co. Graham State KS

Interval Tested 3594 - 3730 Zone Tested Marmaton Conglomerate  
 Anchor Length 136 (120 TP) Drill Pipe Run 3462 Mud Wt. 9.5  
 Top Packer Depth 3594 Drill Collars Run 142 Vis 47  
 Bottom Packer Depth 3730 Wt. Pipe Run 0 WL 9.2  
 Total Depth 3850 Chlorides 2000 ppm System LCM 3

Blow Description IFP - Surface Blow Building to in Ried Packer 30m in  
ISIP - No Blow  
FFP - No Blow  
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Oil Speck Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 106 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1792  Test 1150 T-On Location 22:33 - (10-10)  
 (B) First Initial Flow 22  Jars \_\_\_\_\_ T-Started 07:23  
 (C) First Final Flow 31  Safety Joint \_\_\_\_\_ T-Open 10:39  
 (D) Initial Shut-In 254  Circ Sub \_\_\_\_\_ T-Pulled 13:54  
 (E) Second Initial Flow 32  Hourly Standby \_\_\_\_\_ T-Out 17:01  
 (F) Second Final Flow 34  Mileage \_\_\_\_\_ Comments \_\_\_\_\_  
 (G) Final Shut-In 204  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1747  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Initial Open 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 2000  
 Final Shut-In 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2000

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.



# SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1119

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell, ks - Horrie, KS

DATE <u>10-4-13</u>	SEC. <u>11</u>	TWP. <u>9</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00pm</u>	JOB FINISH <u>4:45pm</u>
LEASE <u>Newell</u>	WELL #. <u>5</u>	LOCATION			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> (NEW) (CIRCLE ONE)							

CONTRACTOR Skytop Drilling

TYPE OF JOB Log Surface

HOLE SIZE 8 5/8 T.D. 1415'

CASING SIZE 8 5/8 DEPTH 1413'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 47'

PERFS

DISPLACEMENT 87 1/2

EQUIPMENT

OWNER

CEMENT AMOUNT ORDERED 350sr 60/40 4%gel 3%CC  
250sr Com 3%CC 2%gel

PUMP TRUCK CEMENTER Hogt

# P1 HELPER Lady

BULK TRUCK DRIVER Jay

# B1

BULK TRUCK DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE

TOTAL

REMARKS:  
Run 33Hts of 8 5/8 casing and landing  
Est Circulate on - hooked up and  
mixed 350sr 60/40 4%gel 3%CC and  
bled in with 250sr Com 3%CC 2%gel  
shut down and release plug - disp 87 1/2  
bbt - plug landed @ 500psd.  
Cement & D.D circulate.

CHARGE TO: New AGE Oil

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

Schippers Oil Field Services, L.L.C.,  
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.

PLUG & FLOAT EQUIPMENT

Rubber Plug @

8 5/8 ball valve @

TOTAL

PRINTED NAME

SIGNATURE

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS