



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- 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

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

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

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

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

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

Total 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**

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



1155127

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

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

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

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

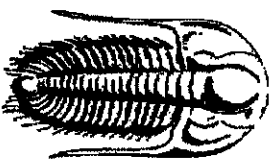
Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input 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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **N-10 Exploration**

PO Box 195  
Attica, KS 67009

ATTN: Tim Pierce

**10-34s-11w Barber,KS**

**Medicine River Ranch #D7**

Start Date: 2013.05.10 @ 02:50:15

End Date: 2013.05.10 @ 09:46:00

Job Ticket #: 50923      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.15 @ 11:57:56



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

## DRILL STEM TEST REPORT

N-10 Exploration  
PO Box 195  
Attica, KS 67009  
ATTN: Tim Pierce

Medicine River Ranch #D7  
10-34s-11w Barber, KS  
Job Ticket: 50923  
DST#: 1  
Test Start: 2013.05.10 @ 02:50:15

### GENERAL INFORMATION:

Formation: **Misener**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 04:48:00  
Time Test Ended: 09:46:00  
Interval: **4875.00 ft (KB) To 4895.00 ft (KB) (TVD)**  
Total Depth: **4895.00 ft (KB) (TVD)**  
Hole Diameter: **7.88** inches-Hole Condition: **Good**

Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Leal Cason**  
Unit No.: **45**

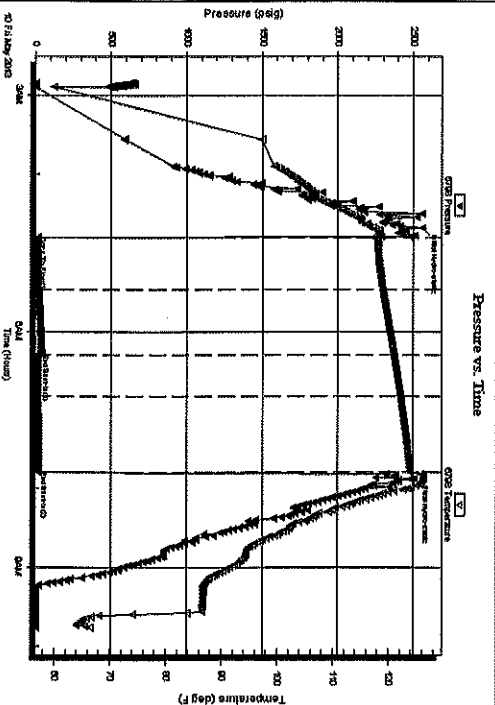
Reference Elevations: **1366.00 ft (KB)**  
**1356.00 ft (CF)**  
**10.00 ft**  
KB to GR/CF:

**Serial #: 6798** **Inside**  
Press@RunDepth: **17.81 psig @ 4876.00 ft (KB)**  
Start Date: **2013.05.10** End Date: **2013.05.10**  
Start Time: **02:50:16** End Time: **09:46:00**

Capacity: **8000.00 psig**  
Last Callb.: **2013.05.10**  
Time On Btm: **2013.05.10 @ 04:40:45**  
Time Off Btm: **2013.05.10 @ 07:52:30**

### TEST COMMENT: F: Weak Surface Blow

SI: No Blow Back  
FF: No Blow  
FSI: No Blow Back



### PRESSURE SUMMARY

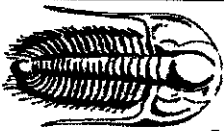
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2564.47	117.16	Initial Hydro-static
8	15.60	117.40	Open To Flow (1)
48	20.12	119.01	Shut-In(1)
97	39.74	121.01	End Shut-In(1)
97	18.46	121.00	Open To Flow(2)
129	17.81	122.18	Shut-In(2)
187	25.54	124.00	End Shut-In(2)
192	2503.87	126.33	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

### Gas Rates

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



**TRILOBITE**  
TESTING, INC

### DRILL STEM TEST REPORT

N-10 Exploration  
PO Box 195  
Attica, KS 67009  
ATTN: Tim Perce

Medicine River Ranch #D7  
**10-34s-11w Barber,KS**  
Job Ticket: 50923      DST#: 1  
Test Start: 2013.05.10 @ 02:50:15

**GENERAL INFORMATION:**

Formation: **Misener**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 04:48:00  
Time Test Ended: 09:46:00  
Interval: **4875.00 ft (KB) To 4895.00 ft (KB) (TVD)**  
Total Depth: **4895.00 ft (KB) (TVD)**  
Hole Diameter: **7.88** inches-Hole Condition: **Good**

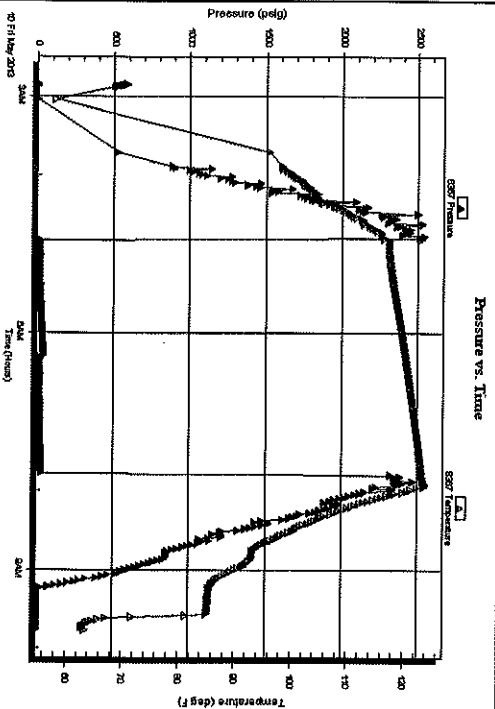
Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Leal Cason**  
Unit No: **45**  
Reference Elevations: **1366.00 ft (KB)**  
**1356.00 ft (CF)**  
**10.00 ft**  
KB to GR/CF:

**Serial #: 8367**      **Outside**  
Press.@RunDepth: **psig @ 4876.00 ft (KB)**  
Start Date: **2013.05.10**      End Date: **2013.05.10**  
Start Time: **02:50:16**      End Time: **09:46:15**

Capacity: **8000.00 psig**  
Last Calib.: **2013.05.10**  
Time On Btm: **09:46:15**  
Time Off Btm:

**TEST COMMENT:** F: Weak Surface Blow

ISI: No Blow Back  
FF: No Blow  
FSI: No Blow Back



**PRESSURE SUMMARY**

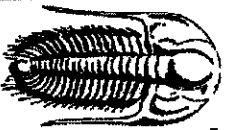
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1000	85	
1	0	85	
10	1000	85	
15	1000	85	
20	1000	90	

**Recovery**

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

**Gas Rates**

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



**TRILOBITE**  
TESTING, INC

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

N-10 Exploration  
PO Box 195  
Atlica, KS 67009  
ATTN: Tim Perce

Medicine River Ranch #D7

10-34s-11w Barber, KS

Job Ticket: 50923

DST#: 1

Test Start: 2013.05.10 @ 02:50:15

**Tool Information**

Drill Pipe:	Length: 4766.00 ft	Diameter: 3.80 inches	Volume: 66.85 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: 95000.00 lb
			<u>Total Volume: 67.43 bbl</u>	Tool Chased
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4875.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 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			4860.00	
Hydraulic tool	5.00			4865.00	
Packer	5.00			4870.00	20.00
Packer	5.00			4875.00	Bottom Of Top Packer
Stub	1.00			4876.00	
Recorder	0.00	6798	Inside	4876.00	
Recorder	0.00	8367	Outside	4876.00	
Perforations	16.00			4892.00	
Bullnose	3.00			4895.00	20.00
					Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>40.00</b>				





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

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

N-10 Exploration  
PO Box 195  
Attica, KS 67009  
ATTN: Tim Pierce

Medicine River Ranch #D7  
**10-34s-11w Barber, KS**  
Job Ticket: 50923      DST#: 1  
Test Start: 2013.05.10 @ 02:50:15

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 10.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 9.58 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4000.00 ppm  
Filter Cake: 0.02 inches

Cushion Type:  
Cushion Length:  
Cushion Volume:  
Gas Cushion Type:  
Gas Cushion Pressure:

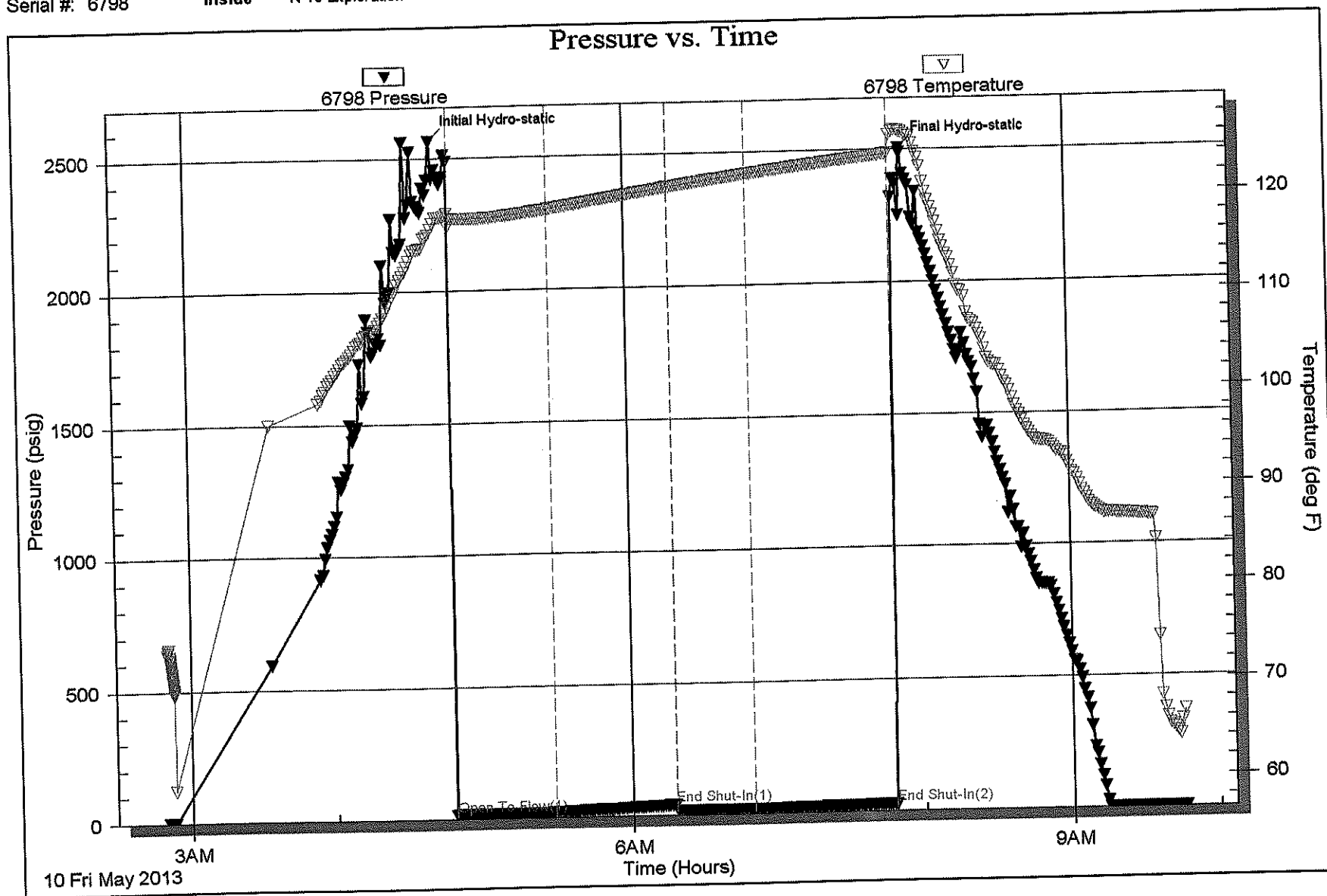
Oil API:  
Water Salinity:      deg API  
ft  
bbl  
psig

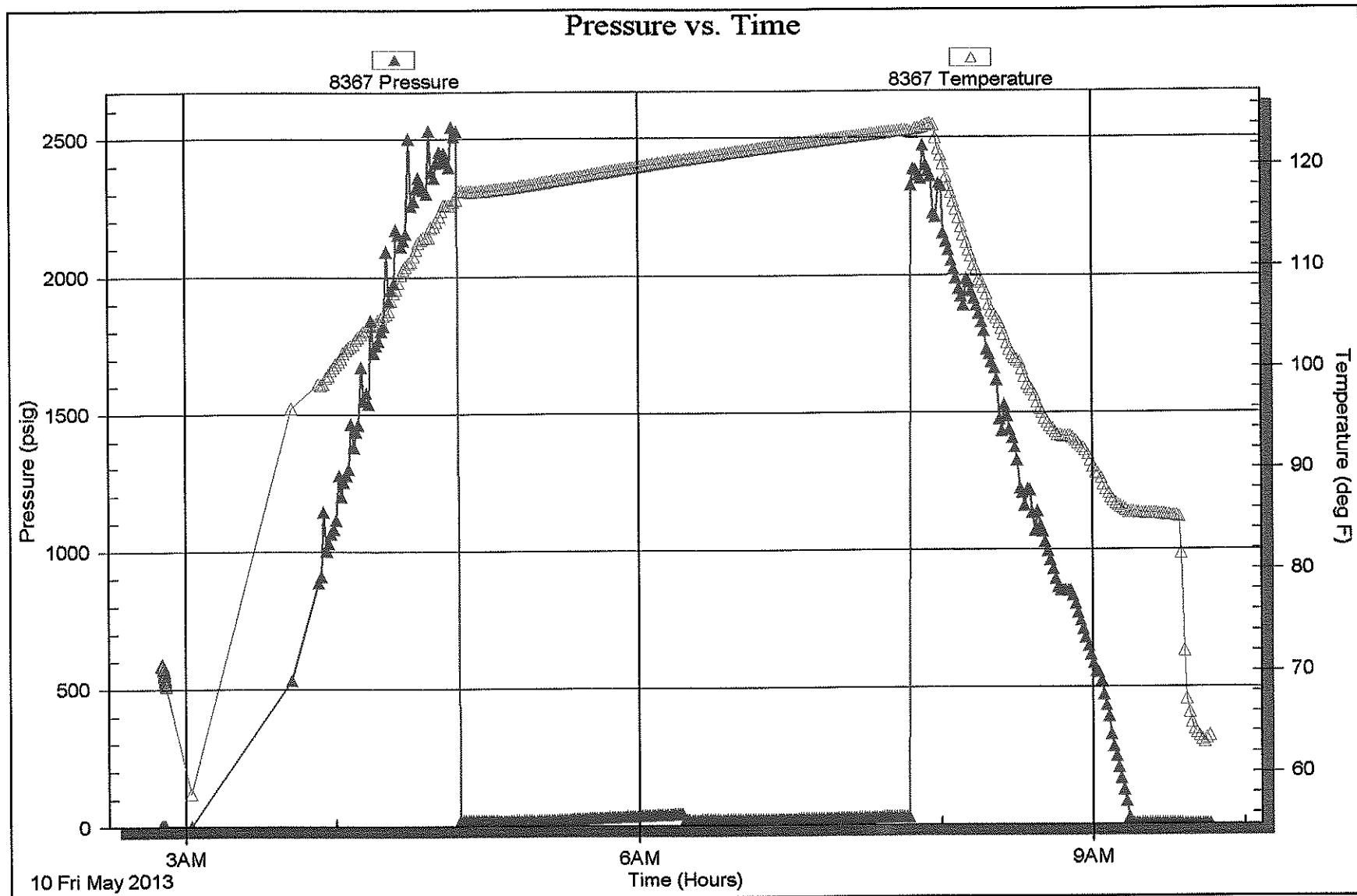
**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





# Timothy G. Pierce

## Petroleum Geologist

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY N-10 Exploration, LLC  
 LEASE Medicine River Ranch 'D' #7  
 FIELD Landis  
 LOCATION 330' FSL & 2120' FEL  
 SEC 10 TWP 34S RGE 11W  
 COUNTY Barber STATE Kansas  
 CONTRACTOR Hardt Drilling Rig #1  
 SPUD 5-03-2013 COMP 5-11-2013  
 RTD 4950 LTD 4950  
 MUD UP 3120 TYPE MUD Chemical  
 SAMPLES SAVED FROM 4000 TO RTD  
 DRILLING TIME KEPT FROM 4000 TO RTD  
 SAMPLES EXAMINED FROM 4000 TO RTD  
 GEOLOGICAL SUPERVISION FROM 4030' to RTD  
 GEOLOGIST ON WELL Tim Pierce

#### ELEVATIONS

KB 1366'  
 DF \_\_\_\_\_  
 GL 1356'  
 Measurements Are All  
 From Kelly Bushing

#### CASING

CONDUCTOR \_\_\_\_\_  
 SURFACE 8-5/8" at 266'  
 PRODUCTION 5-1/2" at 4938'

#### ELECTRICAL SURVEYS

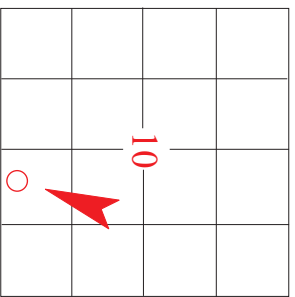
DIL / CN-CD  
Pioneer Energy Svcs

#### FORMATION TOPS

#### ELECTRIC LOG

#### SAMPLE

Heebner Sh.	3631 (-2265)	NA
Stark Sh.	4314 (-2948)	4315 (-2949)
Cherokee Sh.	4532 (-3166)	4532 (-3166)
Mississippi	4582 (-3216)	4578 (-3212)
Kinderhook Sh.	4773 (-3407)	4774 (-3408)
Chattanooga Sh.	4856 (-3490)	4861 (-3495)
Viola	4911 (-3545)	4910 (-3544)


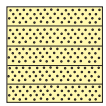
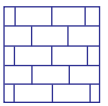
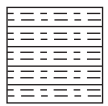

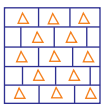

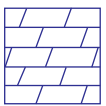



API # 15-007-23,932

**REMARKS** Samples and electric logs indicate a productive zone in the Mississippi from 4582'- 4626'.  
A sample show was observed in the Meisner sand which was drill stem tested with negative results.  
Other sample shows were observed in the Chattanooga Sh., lower Miss chert, Cherokee sandy lime, and KC Swope zone.  
Electric logs show inconclusive evidence as far as the Chattanooga Sh is concerned but logs indicate poor porosity development in any of the other three zones that carried shows.  
There were no other zones of interest indicated by logs or samples.

Timothy G. Pierce

#### LEGEND

							
Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases 	DEPT	LITHOLG	GAS SCALE	SAMPLE DESCRIPTION	REMARKS
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