



**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: \_\_\_\_\_



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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<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> <input type="checkbox"/> Other (Specify) _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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## DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas Company Inc.**

1532 S Peoria Ave  
Tulsa, OK 74120

ATTN: Pat Deenihan

### **Mader #2-01**

### **1-10s-26w Sheridan,KS**

Start Date: 2013.05.12 @ 20:52:00

End Date: 2013.05.12 @ 22:49:30

Job Ticket #: 53123                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.20 @ 11:31:13



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53123

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2013.05.12 @ 20:52:00

## GENERAL INFORMATION:

Formation: **Lansing " B & D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 22:49:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

**Interval: 3854.00 ft (KB) To 3877.00 ft (KB) (TVD)**

Total Depth: 3877.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2576.00 ft (KB)

2566.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8845 Outside**

Press @ Run Depth: psig @ 3855.00 ft (KB)

Start Date: 2013.05.12

End Date:

2013.05.12

Capacity: 8000.00 psig

Last Calib.:

2013.05.12

Start Time:

20:52:05

End Time:

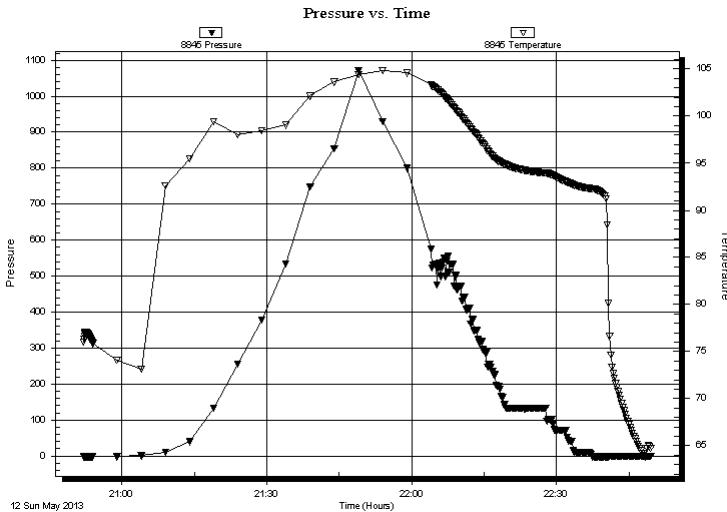
22:49:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:  
IS: HIT A BRIDGE. MISRUN  
FF:  
FS:

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53123

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2013.05.12 @ 20:52:00

## GENERAL INFORMATION:

Formation: **Lansing " B & D "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 22:49:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

**Interval: 3854.00 ft (KB) To 3877.00 ft (KB) (TVD)**

Total Depth: 3877.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2576.00 ft (KB)

2566.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6772 Outside**

Press @ Run Depth: psig @ 3855.00 ft (KB)

Start Date: 2013.05.12

End Date: 2013.05.12

Capacity: 8000.00 psig

Last Calib.: 2013.05.12

Start Time: 20:52:05

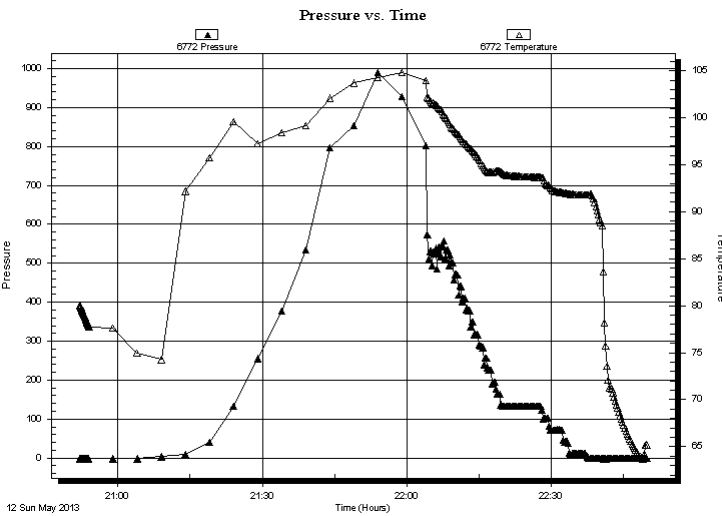
End Time: 22:49:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:  
IS: HIT A BRIDGE. MISRUN  
FF:  
FS:

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53123

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2013.05.12 @ 20:52:00

## Tool Information

Drill Pipe:	Length: 3856.00 ft	Diameter: 3.80 inches	Volume: 54.09 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	0.00 lb
			<u>Total Volume: 54.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	0.00 lb
Depth to Top Packer:	3854.00 ft			Final	0.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	51.00 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			3827.00	
Shut In Tool	5.00			3832.00	
Hydraulic tool	5.00			3837.00	
Jars	5.00			3842.00	
Safety Joint	3.00			3845.00	
Packer	5.00			3850.00	28.00 Bottom Of Top Packer
Packer	4.00			3854.00	
Stubb	1.00			3855.00	
Recorder	0.00	6772	Outside	3855.00	
Recorder	0.00	8845	Outside	3855.00	
Perforations	17.00			3872.00	
Bullnose	5.00			3877.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53123

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2013.05.12 @ 20:52:00

## 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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00		0.000

Total Length:                      ft      Total Volume:                      bbl

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

Laboratory Name:                      Laboratory Location:

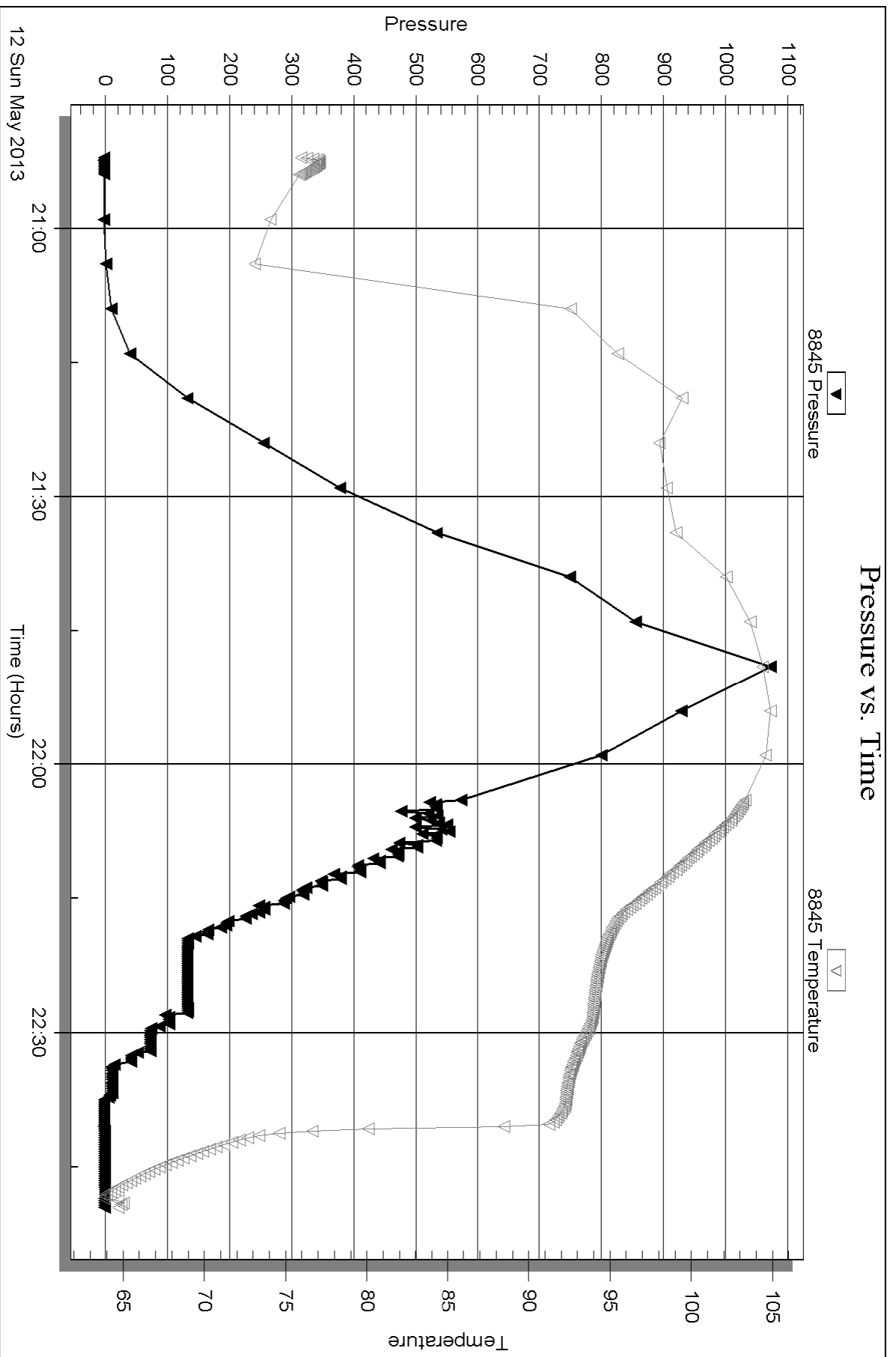
Recovery Comments:

Serial #: 8845

Outside Culbreath Oil & Gas Company Inc.

Mader #2-01

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53123

Printed: 2013.05.20 @ 11:31:16

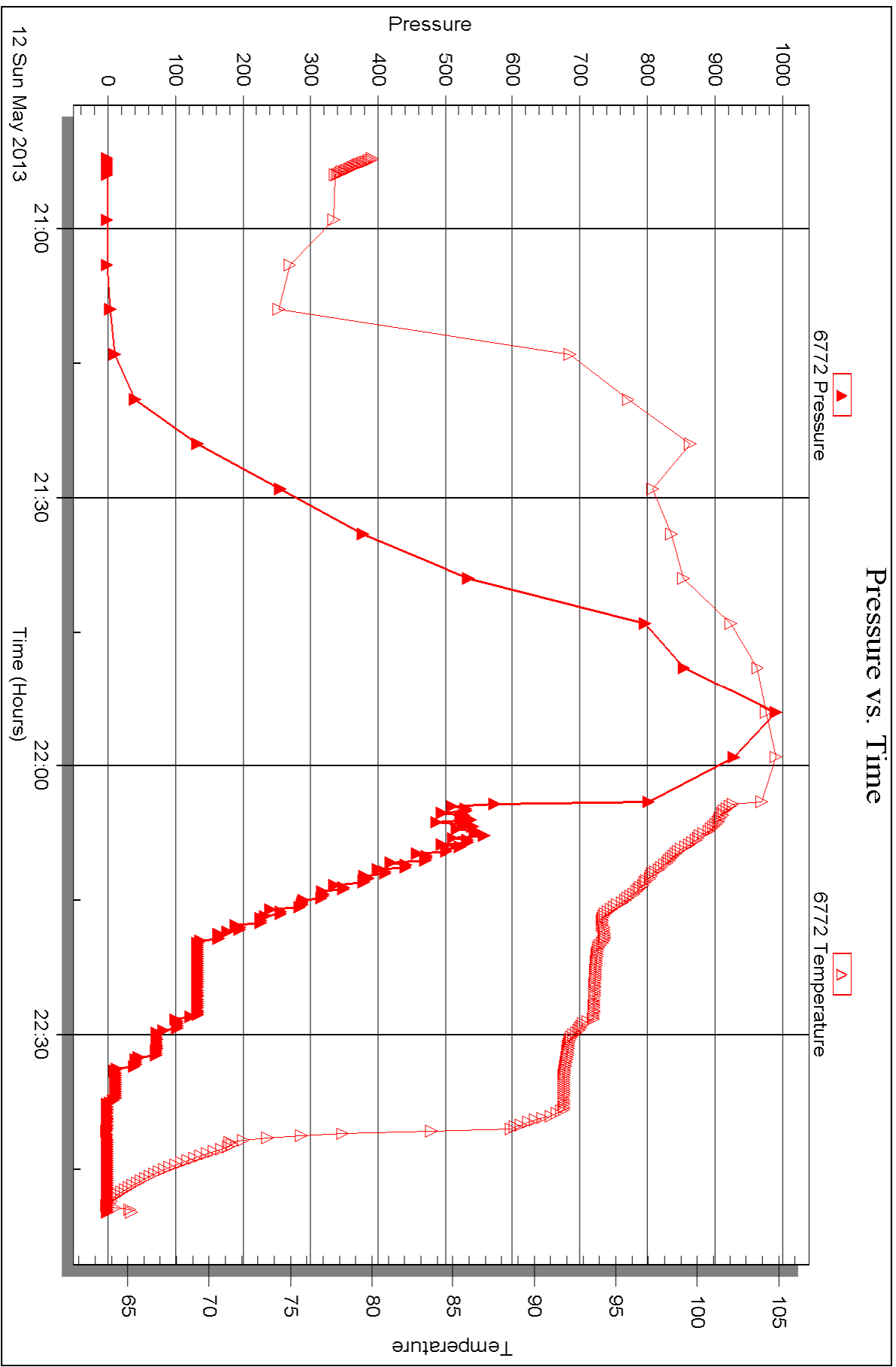


Serial #: 6772

Outside Culbreath Oil & Gas Company Inc.

Mader #2-01

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas Company Inc.**

1532 S Peoria Ave  
Tulsa, OK 74120

ATTN: Pat Deenihan

**Mader #2-01**

**1-10s-26w Sheridan,KS**

Start Date: 2013.05.13 @ 04:31:00

End Date: 2013.05.13 @ 08:39:45

Job Ticket #: 53124                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.20 @ 11:30:34



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53124

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2013.05.13 @ 04:31:00

## GENERAL INFORMATION:

Formation: **Lansing B & D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 08:39:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **3854.00 ft (KB) To 3877.00 ft (KB) (TVD)**

Reference Elevations: 2576.00 ft (KB)

Total Depth: 3877.00 ft (KB) (TVD)

2566.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8845 Outside**

Press @ Run Depth: psig @ 3855.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.13

End Date:

2013.05.13

Last Calib.:

2013.05.13

Start Time: 04:31:05

End Time:

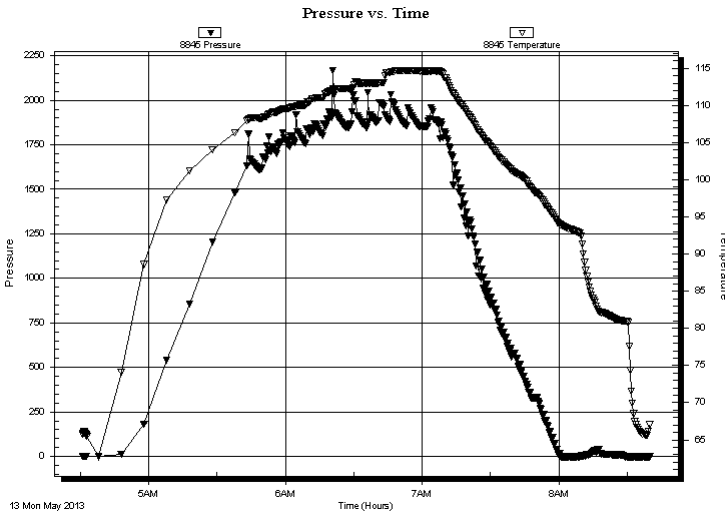
08:39:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:  
IS: PACKER FAILURE.  
FF:  
FS:

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud 100m	1.82

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53124

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2013.05.13 @ 04:31:00

## Tool Information

Drill Pipe:	Length: 3856.00 ft	Diameter: 3.80 inches	Volume: 54.09 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 54.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3854.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	51.00 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			3827.00	
Shut In Tool	5.00			3832.00	
Hydraulic tool	5.00			3837.00	
Jars	5.00			3842.00	
Safety Joint	3.00			3845.00	
Packer	5.00			3850.00	28.00 Bottom Of Top Packer
Packer	4.00			3854.00	
Stubb	1.00			3855.00	
Recorder	0.00	6772	Outside	3855.00	
Recorder	0.00	8845	Outside	3855.00	
Perforations	17.00			3872.00	
Bullnose	5.00			3877.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53124

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2013.05.13 @ 04:31:00

## 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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Mud 100m	1.824

Total Length: 130.00 ft      Total Volume: 1.824 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

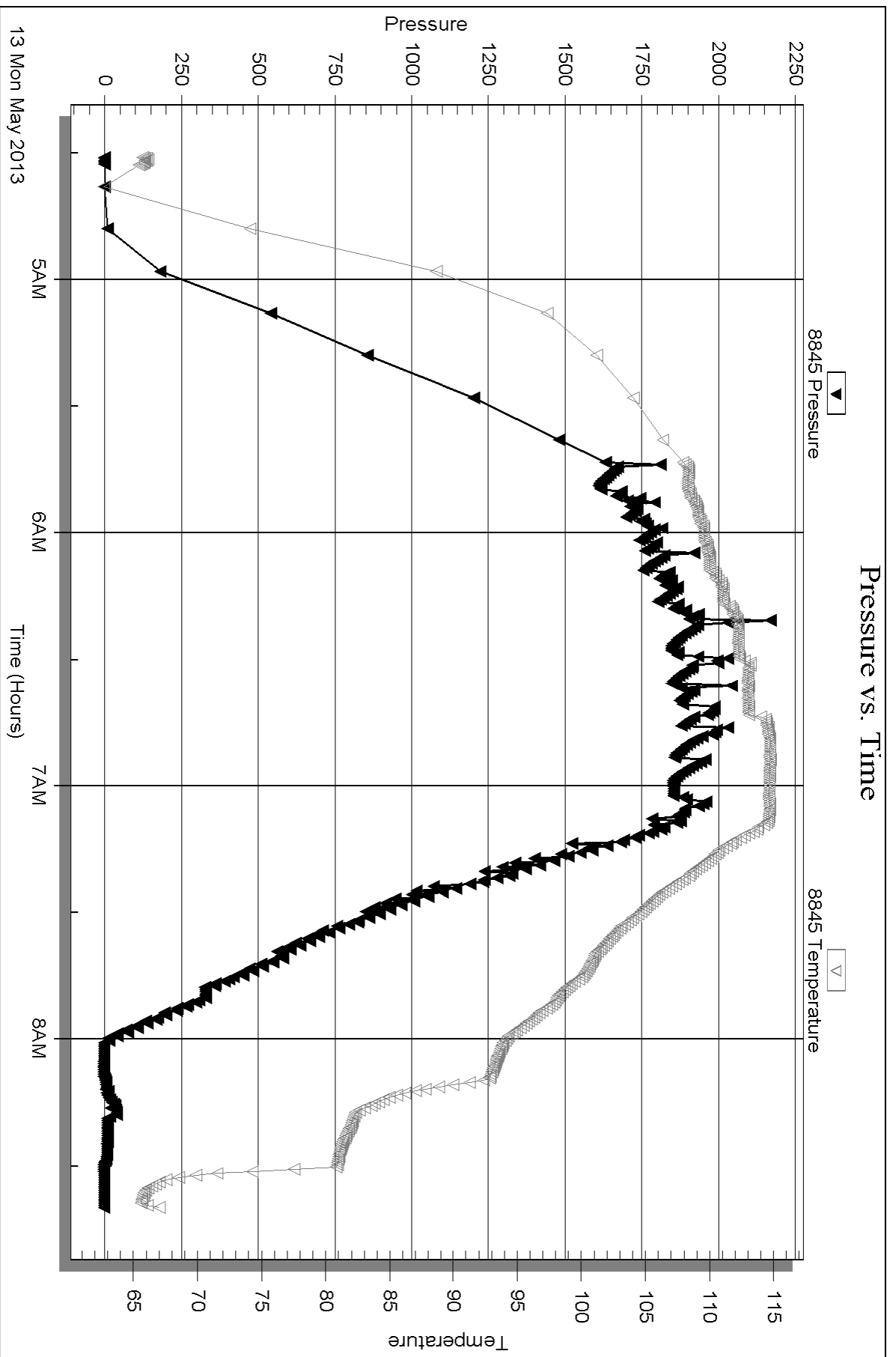
Serial #: 8845

Outside

Culbreath Oil & Gas Company Inc.

Mader #2-01

DST Test Number: 2



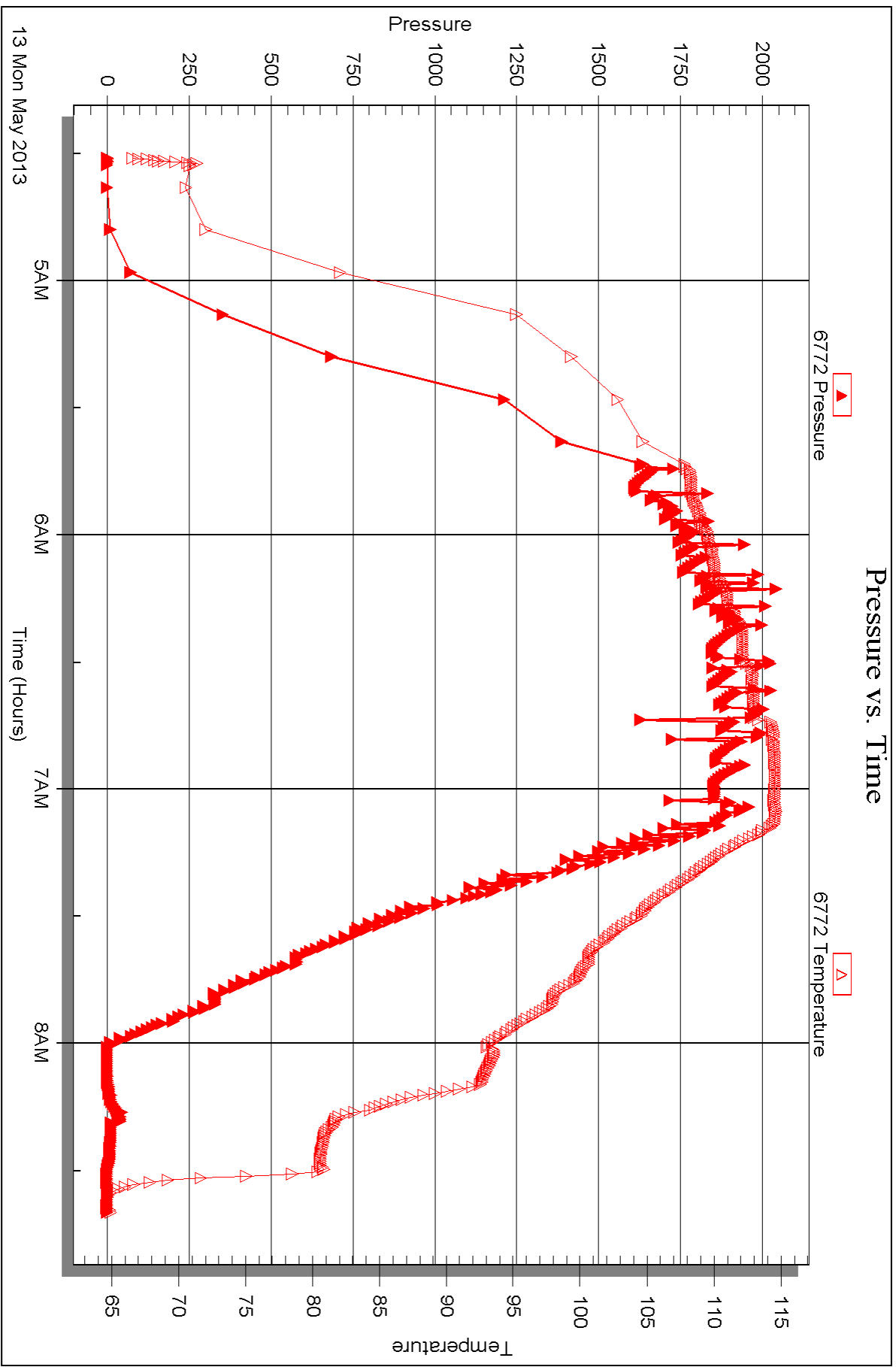
Serial #: 6772

Outside

Culbreath Oil & Gas Company Inc.

Mader #2-01

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **Culbreath Oil & Gas Company Inc.**

1532 S Peoria Ave  
Tulsa, OK 74120

ATTN: Pat Deenihan

**Mader #2-01**

**1-10s-26w Sheridan,KS**

Start Date: 2013.05.14 @ 12:56:00

End Date: 2013.05.14 @ 19:15:00

Job Ticket #: 53125                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.20 @ 11:29:47



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53125

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2013.05.14 @ 12:56:00

## GENERAL INFORMATION:

Formation: **J & K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:37:15

Time Test Ended: 19:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

**Interval: 3992.00 ft (KB) To 4036.00 ft (KB) (TVD)**

Reference Elevations: 2576.00 ft (KB)

Total Depth: 4036.00 ft (KB) (TVD)

2566.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8845 Outside**

Press @ Run Depth: 19.13 psig @ 3993.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.14

End Date:

2013.05.14

Last Calib.:

2013.05.14

Start Time: 12:56:05

End Time:

19:14:59

Time On Btm:

2013.05.14 @ 14:36:45

Time Off Btm:

2013.05.14 @ 17:38:45

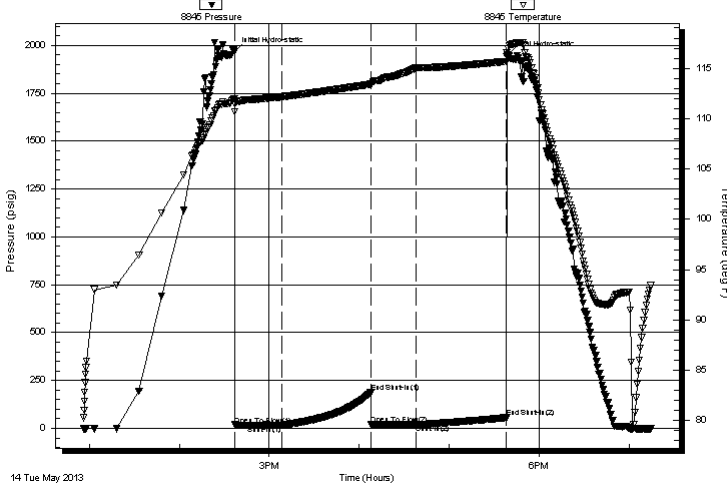
TEST COMMENT: IF: Weak Surface Blow .

IS: No Return.

FF: No Blow .

FS: No Return.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.93	111.97	Initial Hydro-static
1	17.08	111.48	Open To Flow (1)
32	16.64	112.17	Shut-In(1)
91	186.83	113.41	End Shut-In(1)
92	18.57	113.38	Open To Flow (2)
121	19.13	115.01	Shut-In(2)
182	55.21	115.69	End Shut-In(2)
182	1946.58	116.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m ( Oil Scum on top)	0.07

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53125

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2013.05.14 @ 12:56:00

## Tool Information

Drill Pipe:	Length: 3989.00 ft	Diameter: 3.80 inches	Volume: 55.96 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 55.96 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3992.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	72.00 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			3965.00	
Shut In Tool	5.00			3970.00	
Hydraulic tool	5.00			3975.00	
Jars	5.00			3980.00	
Safety Joint	3.00			3983.00	
Packer	5.00			3988.00	28.00 Bottom Of Top Packer
Packer	4.00			3992.00	
Stubb	1.00			3993.00	
Recorder	0.00	6772	Outside	3993.00	
Recorder	0.00	8845	Outside	3993.00	
Perforations	5.00			3998.00	
Change Over Sub	1.00			3999.00	
Drill Pipe	31.00			4030.00	
Change Over Sub	1.00			4031.00	
Bullnose	5.00			4036.00	44.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Culbreath Oil & Gas Company Inc.

**1-10s-26w Sheridan,KS**

1532 S Peoria Ave  
Tulsa, OK 74120

**Mader #2-01**

Job Ticket: 53125

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2013.05.14 @ 12:56:00

## 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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m ( Oil Scum on top)	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

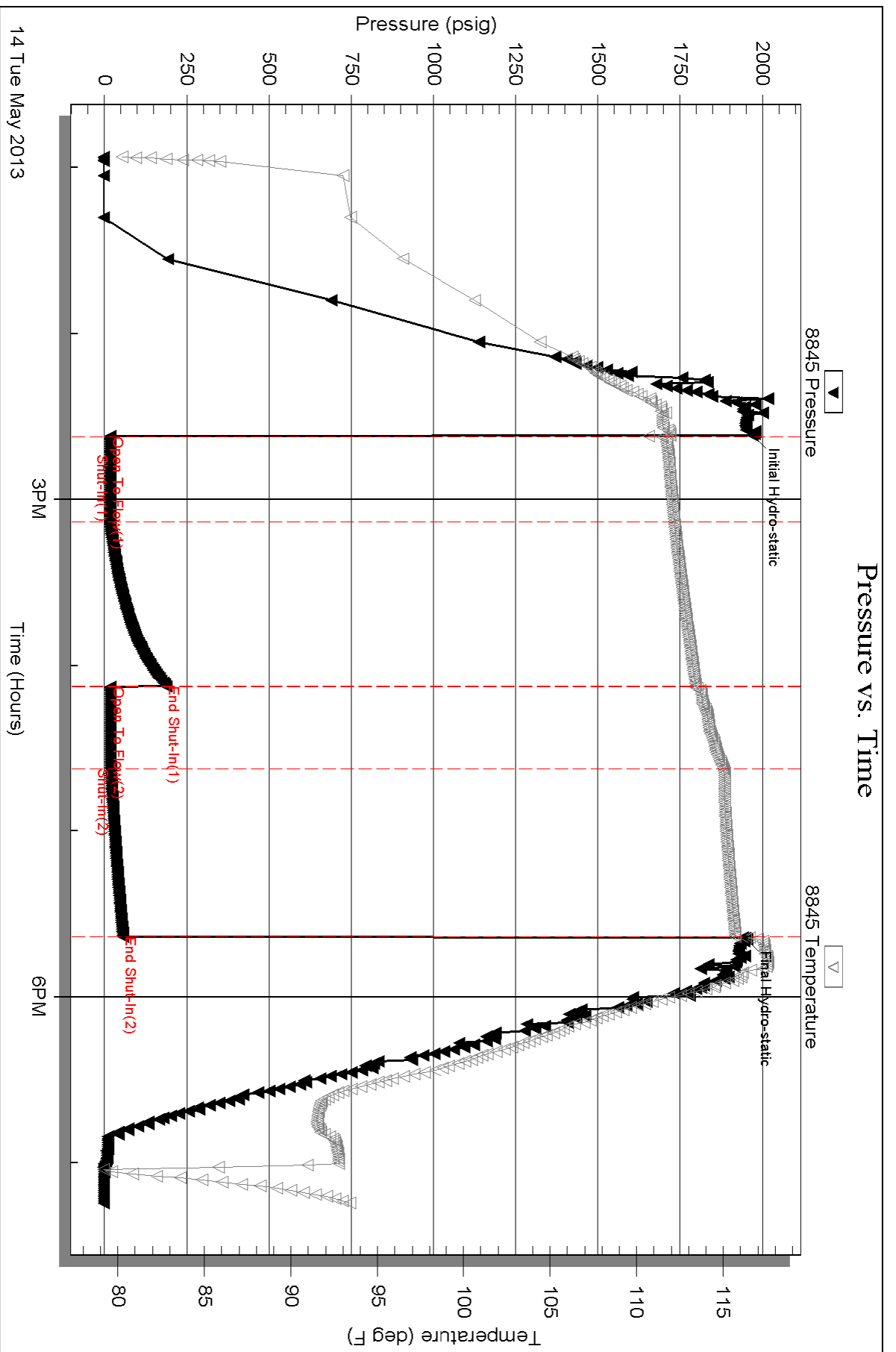
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

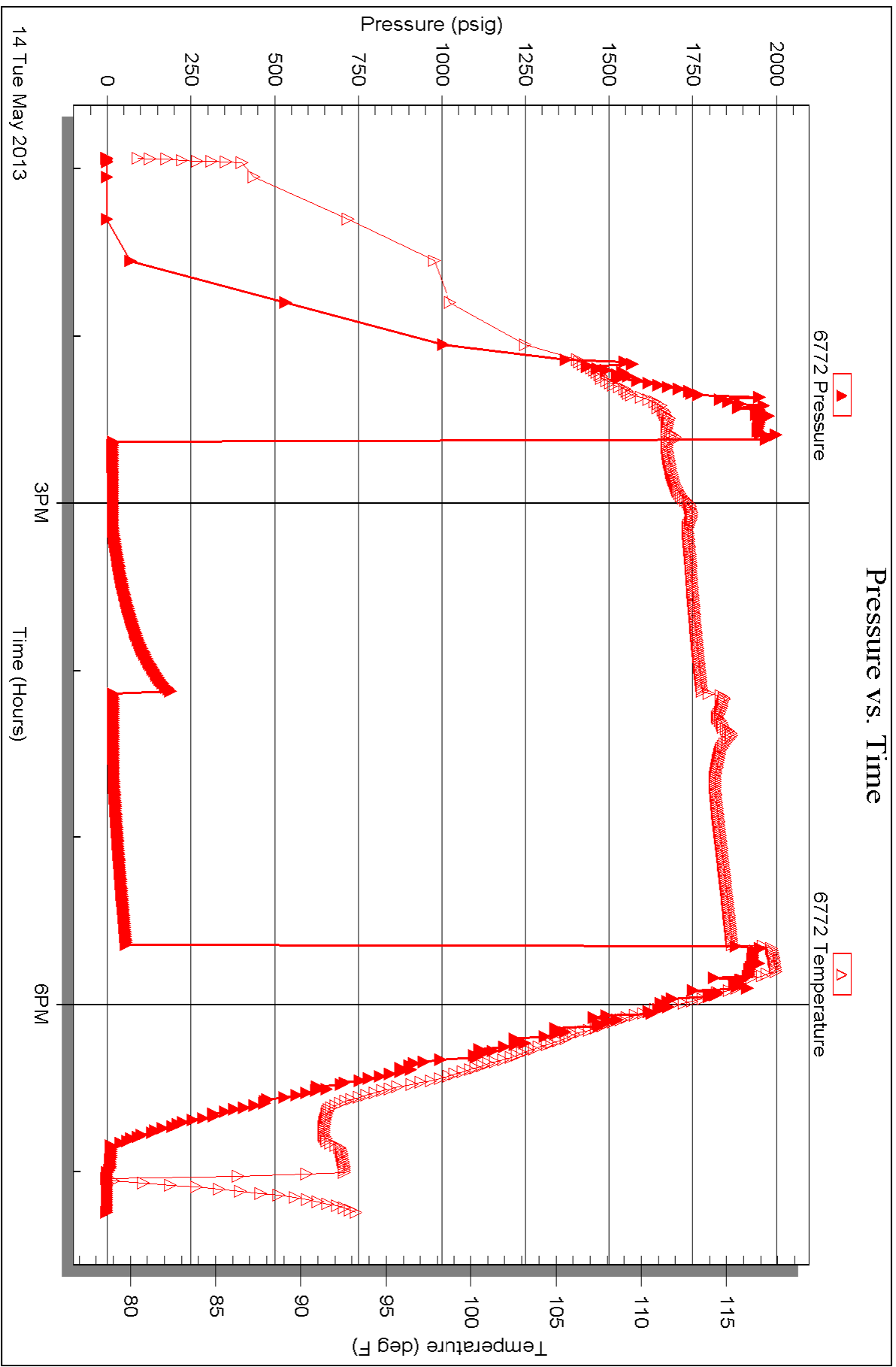


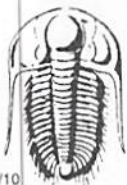
Serial #: 6772

Outside Culbreath Oil & Gas Company Inc.

Mader #2-01

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53123

4/10

Well Name & No. Mader #2-01 Test No. 1 Date 5/12/13  
 Company Culbreath Oil & Gas Company, Inc. Elevation 2570 KB 2566 GL  
 Address 1532 S Peoria Ave Tulsa, OK 74120  
 Co. Rep Pat Deenihan Geo. Pat Deenihan Rig Val #7  
 Location: Sec. 1 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 3854-3877 Zone Tested Lasing B/D  
 Anchor Length 23' Drill Pipe Run ~~3856~~ 3856 Mud Wt. 9.4  
 Top Packer Depth 3850 Drill Collars Run Ø Vis 59  
 Bottom Packer Depth 3854 Wt. Pipe Run Ø WL 8.8  
 Total Depth 3877 Chlorides 1500 ppm System LCM 1

Blow Description IF:  
ISI: Hit A Bridge Mis Run  
FF:  
FSI:

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

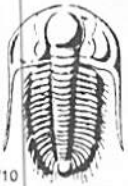
Rec Total 0 BHT - Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic X Test 950 T-On Location 20:10  
 (B) First Initial Flow X Jars 250 T-Started 20:52  
 (C) First Final Flow N/A X Safety Joint 75 T-Open N/A  
 (D) Initial Shut-In N/A X Circ Sub N/C T-Pulled N/A  
 (E) Second Initial Flow □ Hourly Standby - T-Out 22:50  
 (F) Second Final Flow X Mileage 192 R/T 124rt 192.20 Comments -  
 (G) Final Shut-In □ Sampler -  
 (H) Final Hydrostatic □ Straddle - □ Ruined Shale Packer -  
□ Shale Packer - □ Ruined Packer -  
□ Extra Packer - □ Extra Copies -  
 Initial Open □ Extra Recorder - Sub Total 0  
 Initial Shut-In □ Day Standby - Total 1467.20  
 Final Flow □ Accessibility - MP/DST Disc't -  
 Final Shut-In □ Sub Total 1467.20

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

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53124

4/10

Well Name & No. Mader #2-01 Test No. 2 Date 5/13/13  
 Company Caltbreath Oil & Gas Company, Inc Elevation 2576 KB 2566 GL  
 Address 1532 S Peoria Ave Tulsa, OK 74120  
 Co. Rep / Geo. Pat Deenihan Rig Val # 7  
 Location: Sec. 1 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 3854-3877 Zone Tested Lansing B & D  
 Anchor Length 23' Drill Pipe Run 3856 Mud Wt. 9.6  
 Top Packer Depth 3850 Drill Collars Run 0 Vis 63  
 Bottom Packer Depth 3854 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3877 Chlorides 1500 ppm System LCM 1  
 Blow Description IF:  
ISI: Packer Failure  
FF:  
FSI:

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</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 130 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic  Test 950 T-On Location 4:00  
 (B) First Initial Flow  Jars 250 T-Started 4:31  
 (C) First Final Flow N/A  Safety Joint 75 T-Open N/A  
 (D) Initial Shut-In N/A  Circ Sub N/C T-Pulled 8:40  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out \_\_\_\_\_  
 (F) Second Final Flow \_\_\_\_\_  Mileage 192 R/T 192.20 Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 \_\_\_\_\_  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 \_\_\_\_\_  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open \_\_\_\_\_  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In \_\_\_\_\_  Day Standby \_\_\_\_\_ Total 1467.20  
 Final Flow \_\_\_\_\_  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In \_\_\_\_\_ Sub Total 1467.20

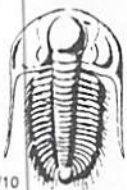
Approved By

*Pat Deenihan*

Our Representative

*[Signature]*

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53125

4/10

Well Name & No: Mader #2-01 Test No. 3 Date 5/14/13  
 Company Culbreth Oil & Gas Company, Inc Elevation 2576 KB 2566 GL  
 Address 532 S Peoria Ave Tulsa, OK 74120  
 Co. Rep / Geo. Pat Deenihan Rig Val #7  
 Location: Sec. 1 Twp. 10S Rge. 26W Co. Sheridan State KS

Interval Tested 3992-4036 Zone Tested J & K  
 Anchor Length 44' Drill Pipe Run 3989 Mud Wt. 9.3  
 Top Packer Depth 4988 Drill Collars Run Ø Vis 54  
 Bottom Packer Depth 4992 Wt. Pipe Run Ø WL 8.0  
 Total Depth 4036 Chlorides 200 ppm System LCM 1

Blow Description IF: Weak Surface Blow  
ISI: No Return.  
FF: No Blow.  
FSI: No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud (oil seen on top)</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 5 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>1970</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>11:55</u>
(B) First Initial Flow	<u>17</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>12:56</u>
(C) First Final Flow	<u>17</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>14:37</u>
(D) Initial Shut-In	<u>187</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>17:39</u>
(E) Second Initial Flow	<u>19</u>	<input checked="" type="checkbox"/> Hourly Standby		T-Out	<u>19:15</u>
(F) Second Final Flow	<u>19</u>	<input checked="" type="checkbox"/> Mileage	<u>192 R/T X2</u> 384.40	Comments	<u>S/15 - wait on order to load or straddle from 12:00 to 13:30 loaded tools</u>
(G) Final Shut-In	<u>55</u>	<input type="checkbox"/> Sampler		<input type="checkbox"/> Ruined Shale Packer	
(H) Final Hydrostatic	<u>1947</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Packer	

Initial Open 30  Shale Packer  Extra Copies

Initial Shut-In 60  Extra Packer  Sub Total 108.33

Final Flow 30  Extra Recorder  Total 2067.73

Final Shut-In 60  Day Standby 1d 3.25h  Accessibility  MP/DST Disc't —

Sub Total 1959.40

Approved By

Our Representative

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PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 136155  
Invoice Date: May 8, 2013  
Page: 1

<b>Bill To:</b>
Culbreath Oil & Gas Co., Inc. 1532 South Peoria Avenue Tulsa, OK 74120

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Cul	60171	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 8, 2013	6/7/13

Quantity	Item	Description	Unit Price	Amount
		Mader #2-01		
165.00	MAT	Class A Common	17.90	2,953.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
178.42	SER	Cubic Feet	2.48	442.48
529.29	SER	Ton Mileage	2.60	1,376.17
1.00	SER	Surface	1,512.25	1,512.25
65.00	SER	Pump Truck Mileage	7.70	500.50
1.00	SER	Manifold & Head Rental	275.00	275.00
65.00	SER	Light Vehicle Mileage	4.40	286.00
1.00	EQP	8.5/8 Wooden Plug	107.64	107.64
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Kevin Ryan		

Subtotal	7,907.74
Sales Tax	291.77
Total Invoice Amount	8,199.51
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,199.51</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1,818.78

ONLY IF PAID ON OR BEFORE  
**May 8, 2013**





**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 258855

Invoice Date: 05/16/2013 Terms: 10/10/30,n/30 Page 1

CULBREATH OIL & GAS CO.INC  
1532 S. PEORIA AVE  
TULSA OK 74120  
(918)749-3508

MADER  
39960  
1-10-26  
05-16-2013  
KS

Part Number	Description	Qty	Unit Price	Total
1126	OIL WELL CEMENT	225.00	23.7000	5332.50
1110A	KOL SEAL (50# BAG)	1125.00	.5600	630.00
1142A	KCL SUB MB6875 CC3107 (1	2.00	41.1000	82.20
1144G	MUD FLUSH (SALE)	500.00	1.0000	500.00
4104	CEMENT BASKET 5 1/2"	2.00	290.0000	580.00
4130	CENTRALIZER 5 1/2"	8.00	61.0000	488.00
4159	FLOAT SHOE AFU 5 1/2"	1.00	433.7500	433.75
4285	5 1/2" PORT COLLAR	1.00	2178.7500	2178.75
4314	RECIPROCATING SCRATCHERS	40.00	82.0000	3280.00
4454	5 1/2" LATCH DOWN PLUG	1.00	318.2500	318.25

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-1382.35
9995-130	CEMENT EQUIPMENT DISCOUNT	-424.37

Description	Hours	Unit Price	Total
399 SINGLE PUMP	1.00	3175.00	3175.00
399 EQUIPMENT MILEAGE (ONE WAY)	45.00	5.25	236.25
T-129 TON MILEAGE DELIVERY	1.00	832.50	832.50

Amount Due 19214.54 if paid after 06/15/2013

Parts:	13823.45	Freight:	.00	Tax:	1032.60	AR	17293.08
Labor:	.00	Misc:	.00	Total:	17293.08		
Sublt:	-1806.72	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



**CONSOLIDATED**  
Oil Well Services, LLC

258855

TICKET NUMBER 39960  
LOCATION Oakley KS  
FOREMAN Miles Shaw  
Walt Dinkhof

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-16-13	2777	Mader	1	10S	26W	Sheridan
CUSTOMER <u>Culbreath Oil &amp; Gas</u>			ST Peters SW 2N 1/2 E Sinto			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			STATE	ZIP CODE		
			399	Damon M		
			5307129	Jordan L / Sten		

JOB TYPE long string HOLE SIZE 7 7/8" HOLE DEPTH 4124' CASING SIZE & WEIGHT 5 1/2" 15.5#  
CASING DEPTH 4114.76' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER pcd @ 2218.46'  
SLURRY WEIGHT 14.7 SLURRY VOL 1.42 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 42.20'  
DISPLACEMENT 97.75 bbls DISPLACEMENT PSI 800 MIX PSI 1400 RATE \_\_\_\_\_

REMARKS: Safety Meeting and rig upon Val drilling #7 Float equipment Centralizers on joints 2, 4, 5, 6, 7, 8, 10, 44 Baskets on the middle of joints 14 & 45 Port collar on top of #45 @ 2218.46'  
Run casing to bottom Circulate casing Pump 5 bbls water Mud flush 5 bbls water mix 175 slits down casing shut down Clear pump & lines Release plug displace 97.75 bbls water with 800 psi 1.42 plug landed and held @ 1400 psi Mix 30.5 HS RH 20.5 US MH

Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175 <sup>00</sup>	3175 <sup>00</sup>
5406	45	MILEAGE	5.25	236.25
5407	10.57	Ton mileage delivery	1.75	832.50
1126	225.545	OWC	23.70	5332.50
1110A	1125#	Kulseal	156	630 <sup>00</sup>
1142A	2 gal	ULL	4110	8220
1144G	50 gal	Mud flush	1 <sup>00</sup>	500 <sup>00</sup>
4104	2	5 1/2" Cement Basket	290 <sup>00</sup>	580 <sup>00</sup>
4130	8	5 1/2" Centralizers	61 <sup>00</sup>	488 <sup>00</sup>
4159	1	5 1/2" APU Float Shoe	433.75	433.75
4285	1	5 1/2" Port Collar	2178.75	2178.75
4314	40	5 1/2" Reciprocating Scratchers	82 <sup>00</sup>	3280 <sup>00</sup>
4454	1	5 1/2" latch down Plug	318.25	318.25
			Subtotal	18067.20
			less 10% discount	16260.48
			Subtotal	16260.48
			SALES TAX	1032.60
			ESTIMATED TOTAL	17293.08

completed

Ravin 3737

AUTHORIZATION [Signature]

TITLE [Signature]

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form