

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs 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 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](mailto: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 <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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Pollok Energy, LLC
Well Name	SCHMITT 1
Doc ID	1354327

All Electric Logs Run

Dual Induction
Neutron Porosity
Mud
Bond

Form	ACO1 - Well Completion
Operator	Pollok Energy, LLC
Well Name	SCHMITT 1
Doc ID	1354327

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2		shot	4672'-4690'



Basic cemented **1<sup>st</sup> stage w/155sx AA2, plug down at 11:15am 4-25-17. PBTD = 4,785'**. Open DV Tool and circulate to wait on cement to set 4 hrs. Basic cemented **2<sup>nd</sup> stage w/230sx A-con lite, 3%cc, ¼# cell flake, circulated good throughout and circulated approx. 45 sx to pit. Plug down on 2<sup>nd</sup> stage at 4:00pm 4-25-17.** Called Steve Phifer (KCC Rep) with final cementing procedures at 9:30am



## DRILL STEM TEST REPORT

Prepared For: **Pollok Energy**

PO Box 106  
Purcell, OK 73870

ATTN: Bill Busch

### **Schmitt #1**

#### **26-22S-25W Hodgeman,KS**

Start Date: 2017.04.22 @ 19:07:25

End Date: 2017.04.22 @ 21:15:10

Job Ticket #: 59937                      DST #: 1

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

Printed: 2017.04.25 @ 08:43:31



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Pollok Energy  
 PO Box 106  
 Purcell, OK 73870  
 ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**

**Schmitt #1**

Job Ticket: 59937

**DST#: 1**

Test Start: 2017.04.22 @ 19:07:25

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 21:15:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

**Interval: 4636.00 ft (KB) To 4673.00 ft (KB) (TVD)**

Reference Elevations: 2536.00 ft (KB)

Total Depth: 4673.00 ft (KB) (TVD)

2523.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8159**

**Inside**

Press@RunDepth: psig @ 4637.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.04.22

End Date:

2017.04.22

Last Calib.:

2017.04.22

Start Time:

19:07:26

End Time:

21:15:10

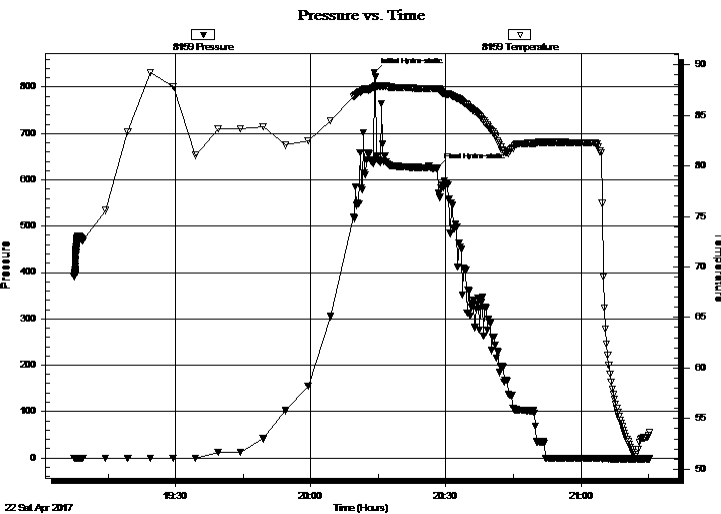
Time On Btm:

2017.04.22 @ 20:14:10

Time Off Btm:

2017.04.22 @ 20:28:10

**TEST COMMENT:** Hit Bridge Approx 1700 feet in, Could Not Get Through, Pulled Tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	831.74	87.85	Initial Hydro-static
14	625.21	87.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)

## Gas Rates

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





# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Pollok Energy  
 PO Box 106  
 Purcell, OK 73870  
 ATTN: Bill Busch

**26-22S-25W Hodgeman, KS**

**Schmitt #1**  
 Job Ticket: 59937      **DST#: 1**  
 Test Start: 2017.04.22 @ 19:07:25

### GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No      Whipstock:                      ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 21:15:10

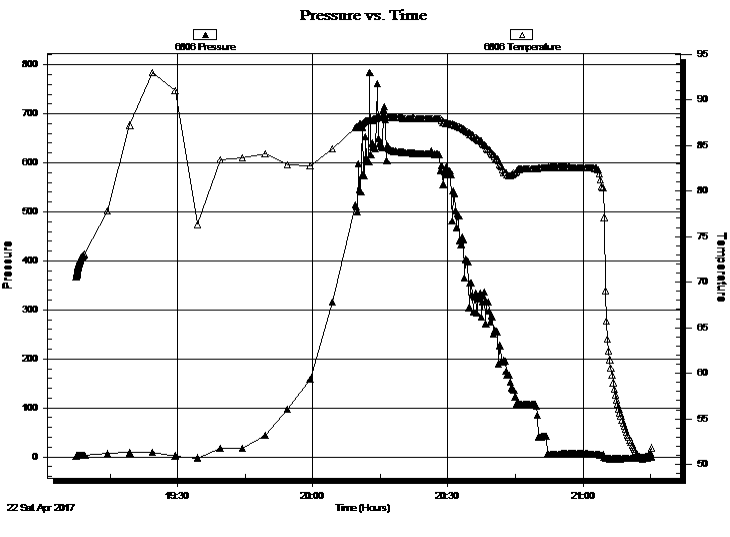
Test Type: Conventional Bottom Hole (Initial)  
 Tester: Leal Cason  
 Unit No: 74

**Interval: 4636.00 ft (KB) To 4673.00 ft (KB) (TVD)**  
 Total Depth: 4673.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Good  
 Reference Elevations: 2536.00 ft (KB)  
    2523.00 ft (CF)  
 KB to GR/CF: 13.00 ft

### Serial #: 6806      Outside

Press@RunDepth:                      psig @      4637.00 ft (KB)	Capacity:                                      8000.00 psig
Start Date:                                      2017.04.22      End Date:                                      2017.04.22	Last Calib.:                                      2017.04.22
Start Time:                                      19:07:26      End Time:                                      21:15:10	Time On Btm:
	Time Off Btm:

TEST COMMENT: Hit Bridge Approx 1700 feet in, Could Not Get Through, Pulled Tool



### 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)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Pollok Energy  
PO Box 106  
Purcell, OK 73870  
ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**

**Schmitt #1**

Job Ticket: 59937

**DST#: 1**

Test Start: 2017.04.22 @ 19:07:25

## Tool Information

Drill Pipe:	Length: 4441.00 ft	Diameter: 3.80 inches	Volume: 62.30 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:	lb
Drill Collar:	Length: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 63.20 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4636.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Hit Bridge, Pulled Tool

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4615.00	
Hydraulic tool	5.00			4620.00	
Jars	5.00			4625.00	
Safety Joint	2.00			4627.00	
Packer	5.00			4632.00	26.00 Bottom Of Top Packer
Packer	4.00			4636.00	
Stubb	1.00			4637.00	
Recorder	0.00	8159	Inside	4637.00	
Recorder	0.00	6806	Outside	4637.00	
Perforations	33.00			4670.00	
Bullnose	3.00			4673.00	37.00 Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Pollok Energy  
PO Box 106  
Purcell, OK 73870  
ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**  
**Schmitt #1**  
Job Ticket: 59937      **DST#: 1**  
Test Start: 2017.04.22 @ 19:07:25

### 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:	51.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	10.78 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.02 inches				

### Recovery Information

Recovery Table

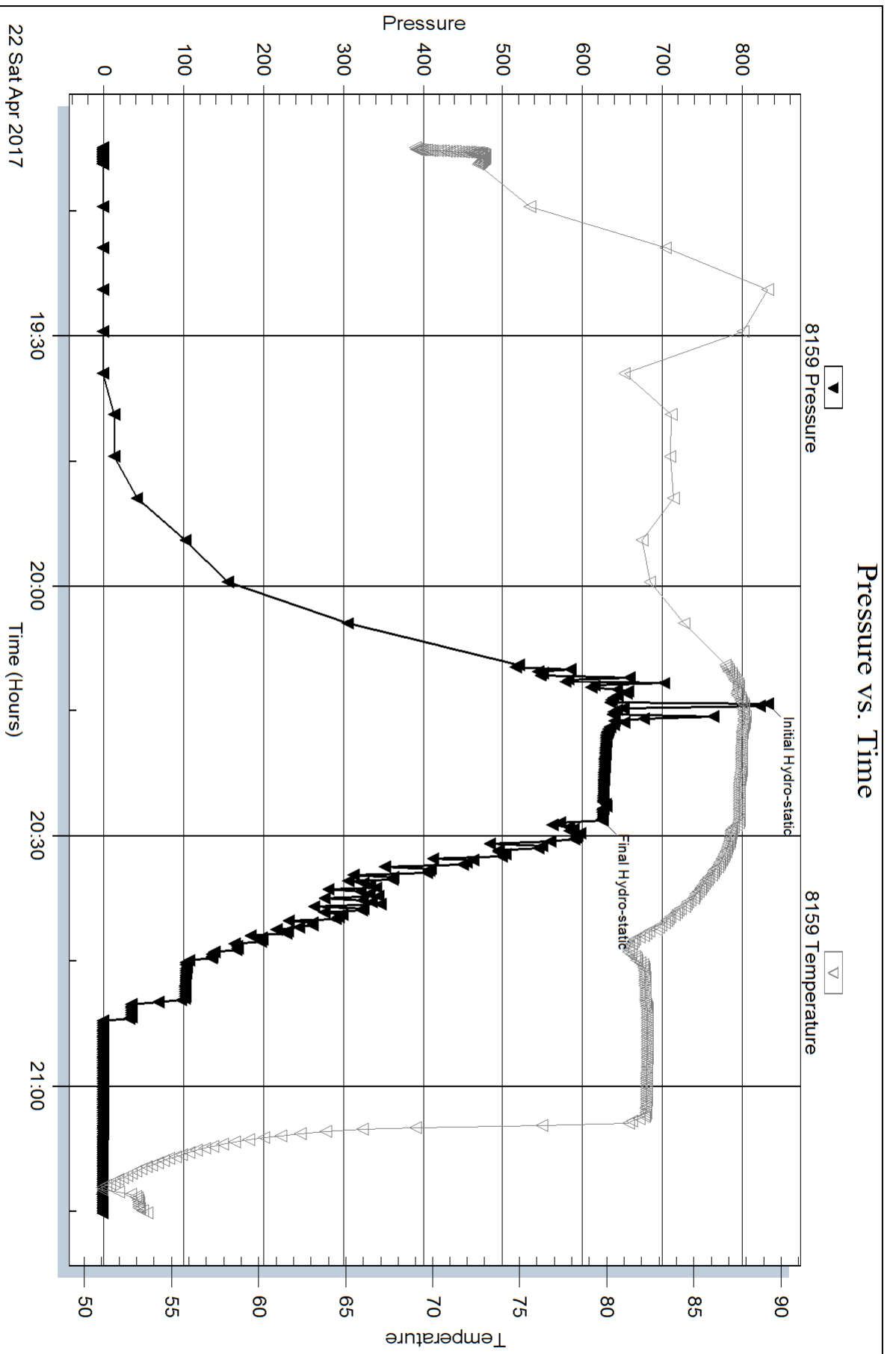
Length ft	Description	Volume bbbl

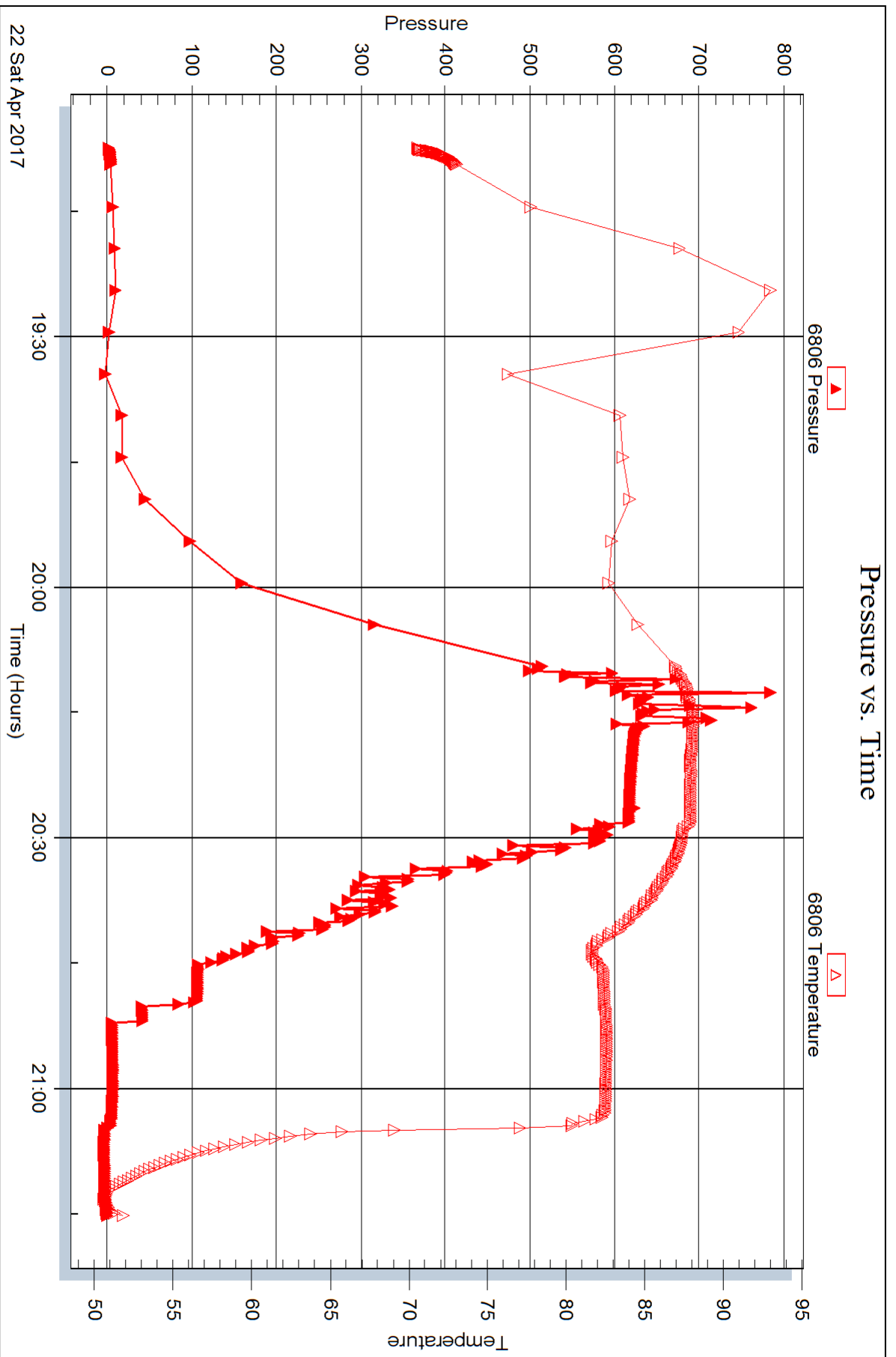
Total Length:                      ft      Total Volume:                      bbl

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

Laboratory Name:                      Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Pollok Energy**

PO Box 106  
Purcell, OK 73870

ATTN: Bill Busch

### **Schmitt #1**

#### **26-22S-25W Hodgeman,KS**

Start Date: 2017.04.23 @ 03:05:36

End Date: 2017.04.23 @ 11:10:51

Job Ticket #: 59938                      DST #: 2

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

Printed: 2017.04.25 @ 08:40:18



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Pollok Energy  
 PO Box 106  
 Purcell, OK 73870  
 ATTN: Bill Busch

**26-22S-25W Hodgeman, KS**

**Schmitt #1**

Job Ticket: 59938 **DST#: 2**

Test Start: 2017.04.23 @ 03:05:36

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:12:06  
 Time Test Ended: 11:10:51  
 Interval: **4636.00 ft (KB) To 4673.00 ft (KB) (TVD)**  
 Total Depth: 4673.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 2536.00 ft (KB)  
 2523.00 ft (CF)  
 KB to GR/CF: 13.00 ft

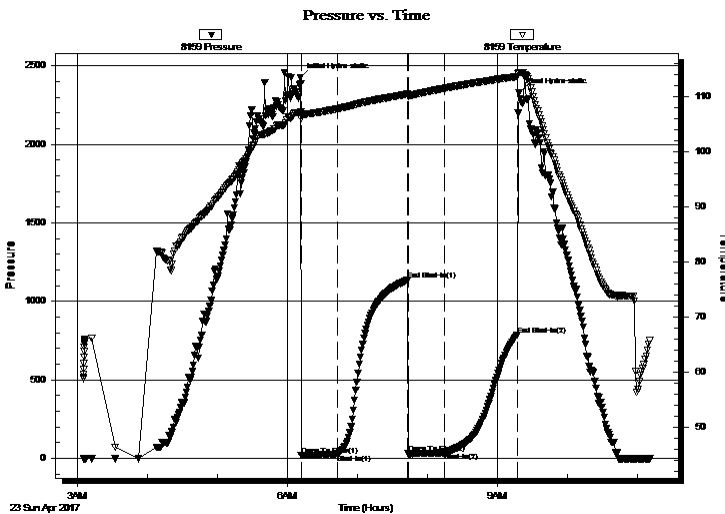
**Serial #: 8159**

**Inside**

Press@RunDepth: 38.21 psig @ 4637.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.04.23 End Date: 2017.04.23 Last Calib.: 2017.04.23  
 Start Time: 03:05:37 End Time: 11:10:51 Time On Btm: 2017.04.23 @ 06:11:21  
 Time Off Btm: 2017.04.23 @ 09:18:51

TEST COMMENT: IF: Weak Surface Blow  
 IS: No Blow Back  
 FF: No Blow  
 FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2422.88	107.27	Initial Hydro-static
1	18.28	106.03	Open To Flow (1)
32	29.34	107.81	Shut-In(1)
92	1134.94	110.46	End Shut-In(1)
93	30.65	110.06	Open To Flow (2)
124	38.21	111.53	Shut-In(2)
187	786.13	113.65	End Shut-In(2)
188	2329.55	114.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 4%O 96%M	0.02

\* Recovery from multiple tests

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Pollok Energy  
 PO Box 106  
 Purcell, OK 73870  
 ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**

**Schmitt #1**

Job Ticket: 59938 **DST#: 2**

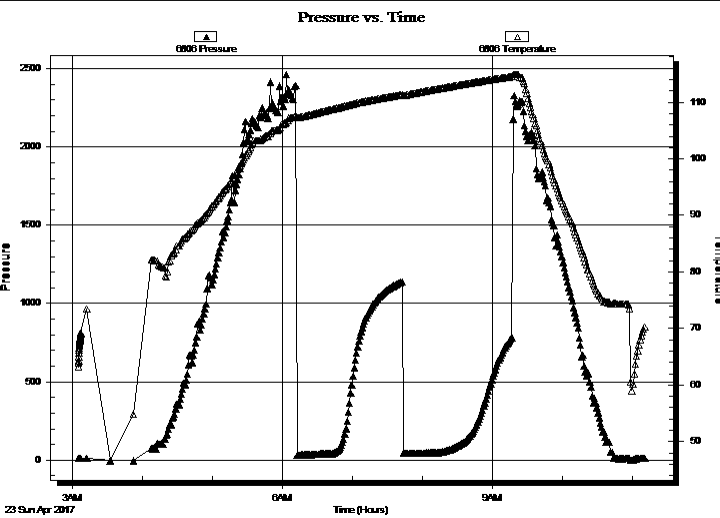
Test Start: 2017.04.23 @ 03:05:36

### GENERAL INFORMATION:

Formation: <b>Mississippi</b>	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Leal Cason
Time Tool Opened: 06:12:06	Unit No: 74
Time Test Ended: 11:10:51	Reference Elevations: 2536.00 ft (KB)
<b>Interval: 4636.00 ft (KB) To 4673.00 ft (KB) (TVD)</b>	2523.00 ft (CF)
Total Depth: 4673.00 ft (KB) (TVD)	KB to GR/CF: 13.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good

<b>Serial #: 6806</b> Outside	Capacity: 8000.00 psig
Press@RunDepth: psig @ 4637.00 ft (KB)	Last Calib.: 2017.04.23
Start Date: 2017.04.23	End Date: 2017.04.23
Start Time: 03:05:37	End Time: 11:10:51
	Time On Btm:
	Time Off Btm:

**TEST COMMENT:** IF: Weak Surface Blow  
 IS: No Blow Back  
 FF: No Blow  
 FS: No Blow Back



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

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	SOCM 4%O 96%M	0.02

\* Recovery from multiple tests

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Pollok Energy  
PO Box 106  
Purcell, OK 73870  
ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**

**Schmitt #1**

Job Ticket: 59938

**DST#: 2**

Test Start: 2017.04.23 @ 03:05:36

## Tool Information

Drill Pipe:	Length: 4441.00 ft	Diameter: 3.80 inches	Volume: 62.30 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 63.20 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4636.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4615.00	
Hydraulic tool	5.00			4620.00	
Jars	5.00			4625.00	
Safety Joint	2.00			4627.00	
Packer	5.00			4632.00	26.00 Bottom Of Top Packer
Packer	4.00			4636.00	
Stubb	1.00			4637.00	
Recorder	0.00	8159	Inside	4637.00	
Recorder	0.00	6806	Outside	4637.00	
Perforations	33.00			4670.00	
Bullnose	3.00			4673.00	37.00 Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Pollok Energy  
PO Box 106  
Purcell, OK 73870  
ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**  
**Schmitt #1**  
Job Ticket: 59938      **DST#: 2**  
Test Start: 2017.04.23 @ 03:05:36

**Mud and Cushion Information**

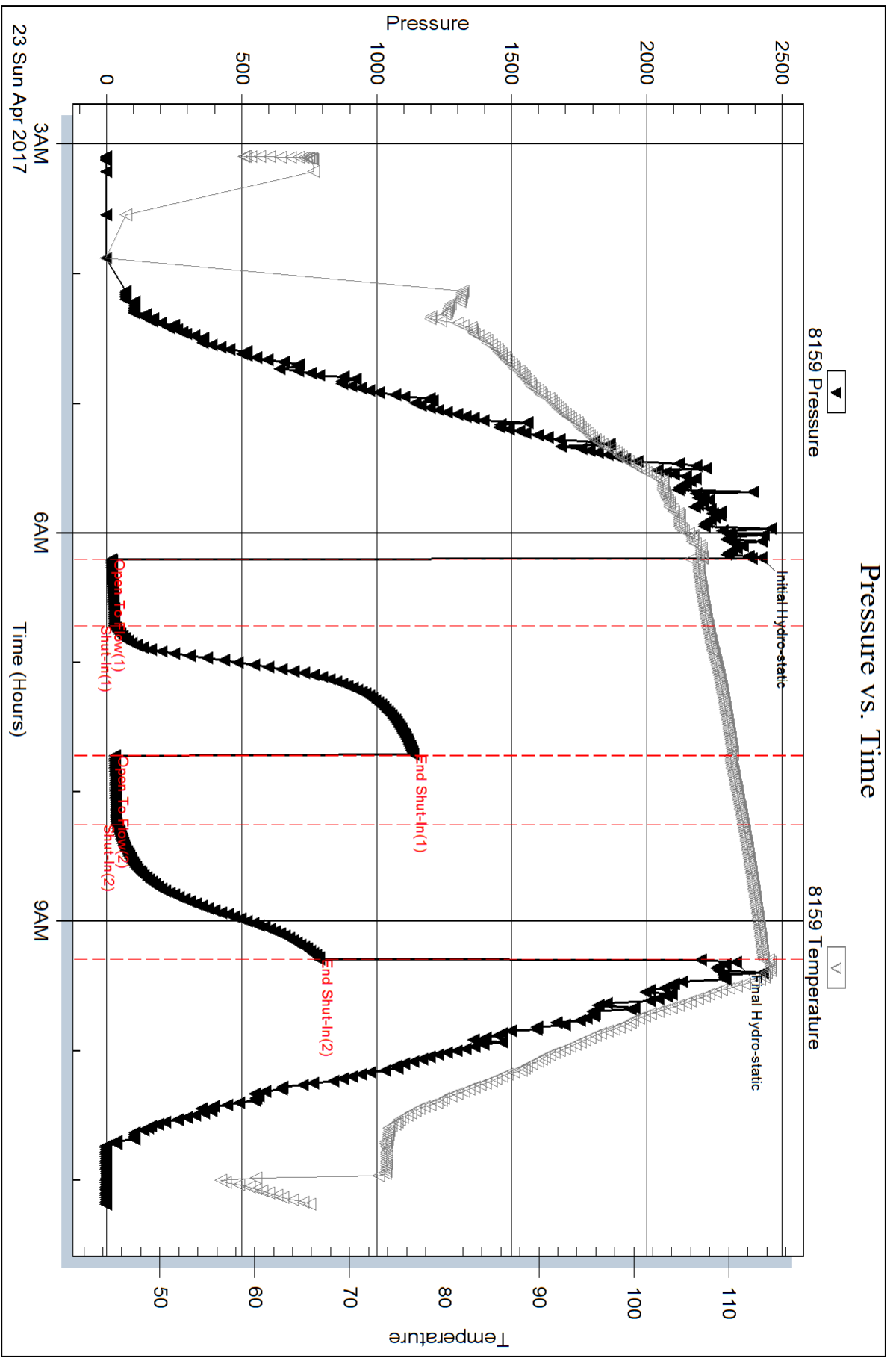
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

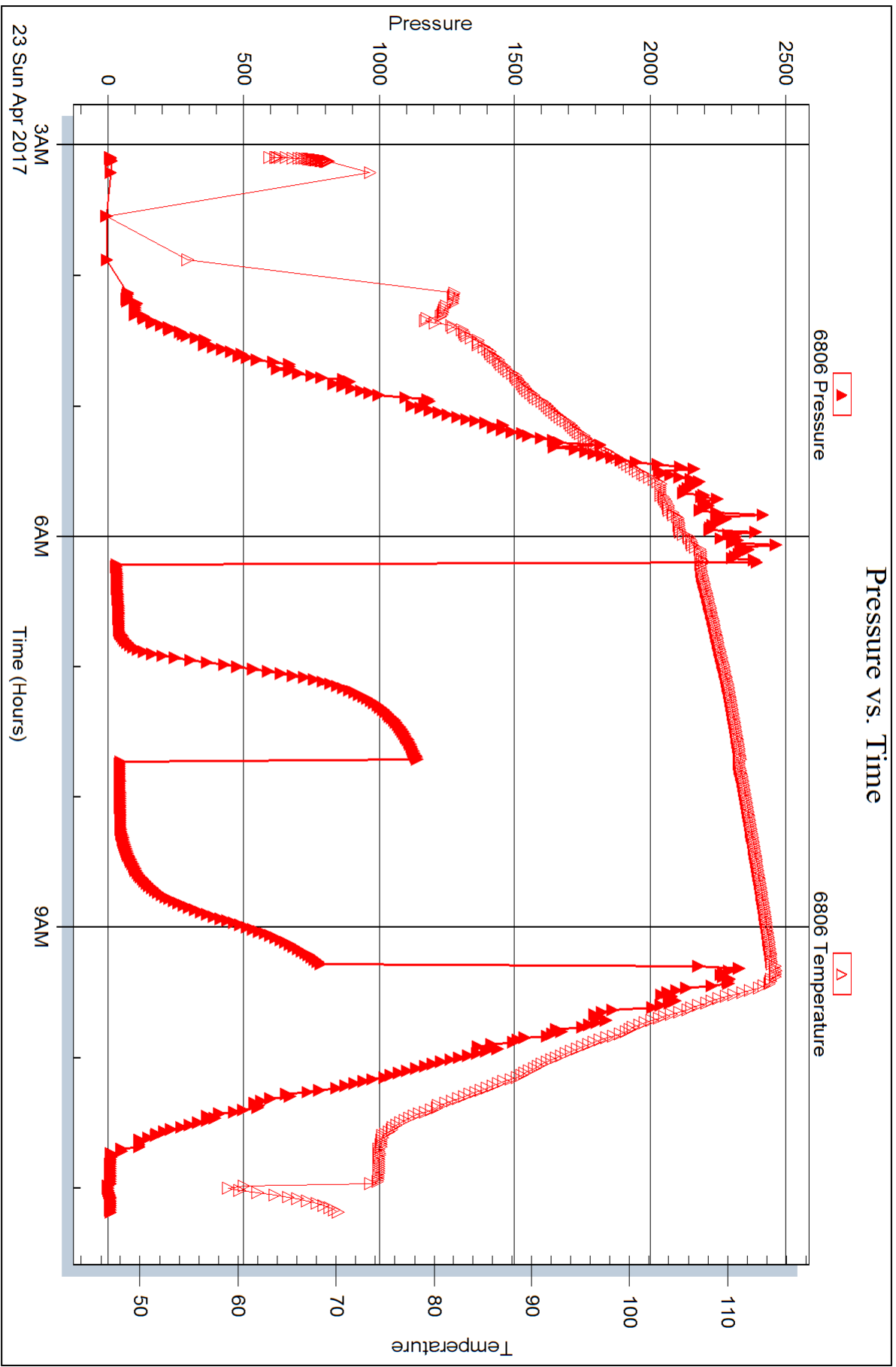
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 4%O 96%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Pollok Energy**

PO Box 106  
Purcell, OK 73870

ATTN: Bill Busch

### **Schmitt #1**

#### **26-22S-25W Hodgeman,KS**

Start Date: 2017.04.23 @ 17:24:00

End Date: 2017.04.24 @ 00:34:00

Job Ticket #: 59939                      DST #: 3

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

Printed: 2017.04.25 @ 08:37:17



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Pollok Energy  
PO Box 106  
Purcell, OK 73870  
ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**

**Schmitt #1**

Job Ticket: 59939

**DST#: 3**

Test Start: 2017.04.23 @ 17:24:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 19:12:30  
 Tester: Leal Cason  
 Time Test Ended: 00:34:00  
 Unit No: 74  
 Interval: **4636.00 ft (KB) To 4683.00 ft (KB) (TVD)**  
 Reference Elevations: 2536.00 ft (KB)  
 Total Depth: 4683.00 ft (KB) (TVD)  
 2523.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 13.00 ft

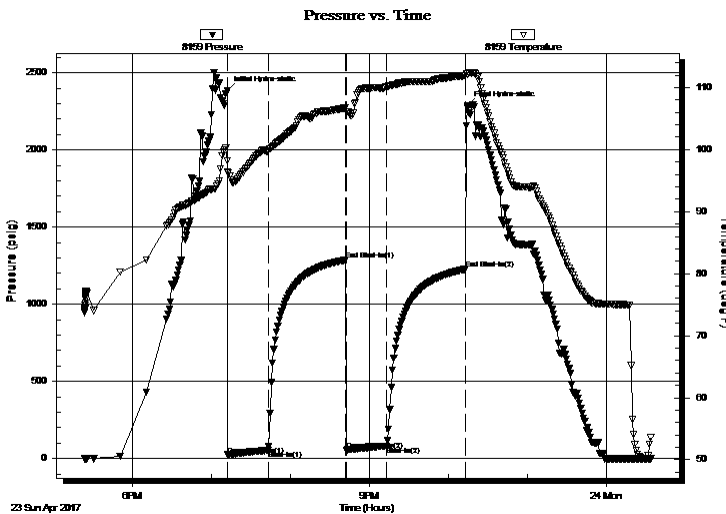
**Serial #: 8159**

**Inside**

Press@RunDepth: 81.65 psig @ 4637.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.04.23 End Date: 2017.04.24 Last Calib.: 2017.04.24  
 Start Time: 17:24:01 End Time: 00:34:00 Time On Btm: 2017.04.23 @ 19:12:15  
 Time Off Btm: 2017.04.23 @ 22:14:30

TEST COMMENT: IF: Weak 2" Blow  
 IS: No Blow Back  
 FF: Weak 1/2" Blow  
 FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2383.97	98.18	Initial Hydro-static
1	23.20	96.40	Open To Flow (1)
31	52.43	99.78	Shut-In(1)
90	1284.85	106.74	End Shut-In(1)
91	54.78	106.09	Open To Flow (2)
121	81.65	110.07	Shut-In(2)
181	1226.68	111.92	End Shut-In(2)
183	2284.75	112.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	VSOCM 2%O 98%M	0.59

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Pollok Energy  
PO Box 106  
Purcell, OK 73870  
ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**  
**Schmitt #1**  
Job Ticket: 59939      **DST#: 3**  
Test Start: 2017.04.23 @ 17:24:00

**Tool Information**

Drill Pipe:	Length: 4440.00 ft	Diameter: 3.80 inches	Volume: 62.28 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:	30000.00 lb
Drill Collar:	Length: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 63.18 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4636.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			4615.00	
Hydraulic tool	5.00			4620.00	
Jars	5.00			4625.00	
Safety Joint	2.00			4627.00	
Packer	5.00			4632.00	26.00      Bottom Of Top Packer
Packer	4.00			4636.00	
Stubb	1.00			4637.00	
Recorder	0.00	8159	Inside	4637.00	
Recorder	0.00	6806	Outside	4637.00	
Perforations	4.00			4641.00	
Change Over Sub	1.00			4642.00	
Drill Pipe	32.00			4674.00	
Change Over Sub	1.00			4675.00	
Perforations	5.00			4680.00	
Bullnose	3.00			4683.00	47.00      Bottom Packers & Anchor

**Total Tool Length: 73.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pollok Energy  
PO Box 106  
Purcell, OK 73870  
ATTN: Bill Busch

**26-22S-25W Hodgeman,KS**  
**Schmitt #1**  
Job Ticket: 59939      **DST#: 3**  
Test Start: 2017.04.23 @ 17:24:00

## Mud and Cushion Information

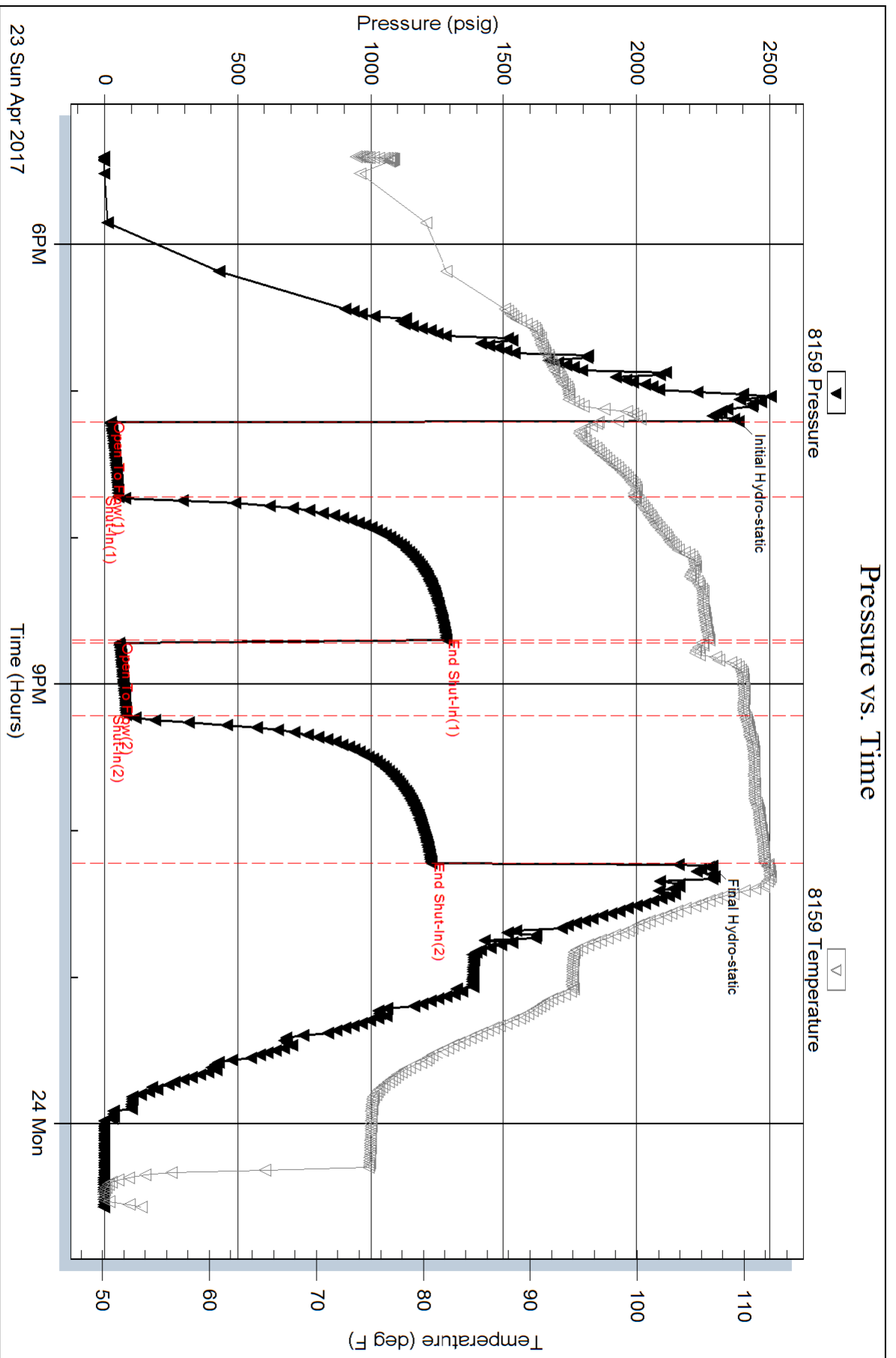
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

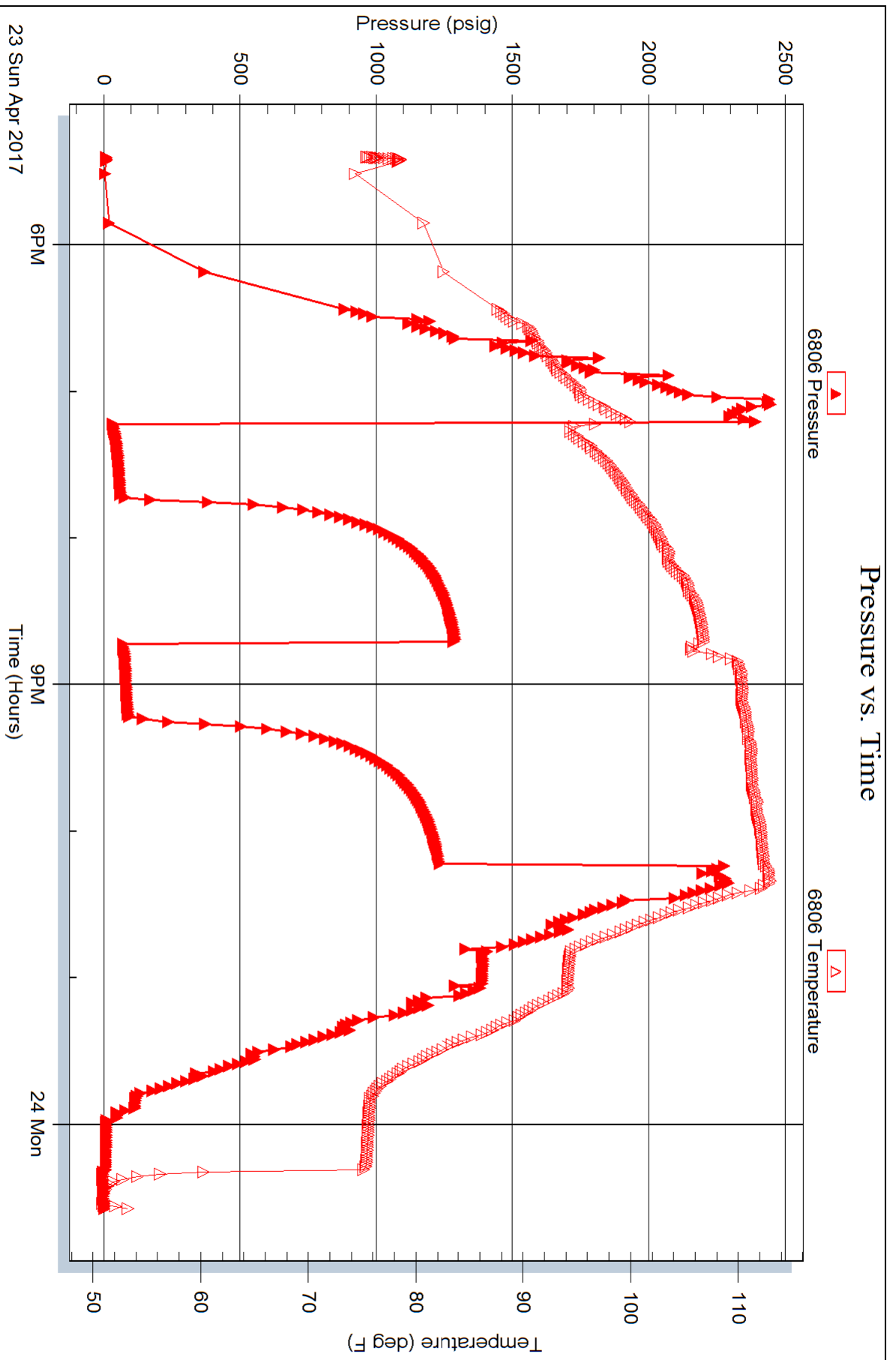
## Recovery Information

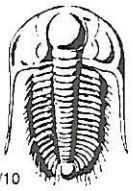
Recovery Table

Length ft	Description	Volume bbl
120.00	VSOCM 2%O 98%M	0.590

Total Length: 120.00 ft      Total Volume: 0.590 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59937

Well Name & No. Schmitt 1 Test No. 1 Date 04/22/17  
 Company Pollok Energy Elevation 2536 KB 2523 GL  
 Address PO Box 106 Purcell, OK 73080  
 Co. Rep / Geo. Mike Pollock Rig Duke 7  
 Location: Sec. 26 Twp. 22S Rge. 25W Co. Hodgeman State K5

Interval Tested 4636 - 4673 Zone Tested Mississippi  
 Anchor Length 37 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.5  
 Top Packer Depth 4631 Drill Collars Run 182 Vis 5-1  
 Bottom Packer Depth 4636 Wt. Pipe Run 0 WL 10.8  
 Total Depth 4673 Chlorides 5000 ppm System LCM 3  
 Blow Description Hit Bridge APPROX 1700' in, could not get through, pulled TOC

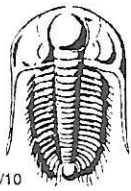
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total \_\_\_\_\_ BHT N/A Gravity N/A API RW N/A @ N/A° F Chlorides N/A ppm

(A) Initial Hydrostatic \_\_\_\_\_  Test 950 \_\_\_\_\_ T-On Location 17:30  
 (B) First Initial Flow \_\_\_\_\_  Jars 250 \_\_\_\_\_ T-Started 19:07  
 (C) First Final Flow \_\_\_\_\_  Safety Joint 75 \_\_\_\_\_ T-Open N/A  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub \_\_\_\_\_ T-Pulled N/A  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 21:15  
 (F) Second Final Flow \_\_\_\_\_  Mileage (140) 105 \_\_\_\_\_ Comments Could Not GET TO BOTTOM  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1380  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1380

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **59938**

Well Name & No. Schmitt 1 Test No. 2 Date 04/23/17  
 Company Pollok Energy Elevation 2536 KB 2523 GL  
 Address PO BOX 106 Purcell, OK 73080  
 Co. Rep / Geo. Mike Pollok Rig Duke 7  
 Location: Sec. 26 Twp. 22 S Rge. 25 W Co. Hodgeman State KS

Interval Tested 4636 - 4673 Zone Tested Mississippi  
 Anchor Length 37 Drill Pipe Run 4441 Mud Wt. 8.9  
 Top Packer Depth 4631 Drill Collars Run 182 Vis 55  
 Bottom Packer Depth 4636 Wt. Pipe Run 0 WL 10.8  
 Total Depth 4673 Chlorides 5000 ppm System LCM 4#

Blow Description IF. Weak Surface Blow  
ISI: NO BLOW BACK  
FF: NO BLOW  
FST: NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>50CM</u>	<u>4</u>		<u>96</u>	

Rec Total 5 BHT 114 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

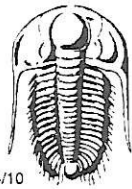
(A) Initial Hydrostatic <u>2423</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>02:30</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>03:05</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>06:12</u>
(D) Initial Shut-In <u>1135</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>09:17</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:10</u>
(F) Second Final Flow <u>38</u>	<input checked="" type="checkbox"/> Mileage <u>140</u> 105	Comments
(G) Final Shut-In <u>786</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2329</u>	<input type="checkbox"/> Straddle	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1580</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1580</u>	

Approved By [Signature] Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59939

Well Name & No. Schmitt 1 Test No. 3 Date 04/23/17  
 Company Pollok Energy Elevation 2536 KB 2523 GL  
 Address PO Box 106 Purcell, OK 73080  
 Co. Rep / Geo. Mike Pollok Rig Duke 7  
 Location: Sec. 26 Twp. 22S Rge. 25W Co. Hodgeman State KS

Interval Tested 4636 - 4683 Zone Tested Mississippi  
 Anchor Length 47 Drill Pipe Run 4440 Mud Wt. 9.4  
 Top Packer Depth 4631 Drill Collars Run 182 Vis 65  
 Bottom Packer Depth 4636 Wt. Pipe Run 0 WL 8.4  
 Total Depth 4683 Chlorides 6100 ppm System LCM 4

Blow Description IF: weak 2 inch Blow  
ISI: NO Blow Back  
FF: weak 1/2 inch Blow  
FSF: NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>VS OCM</u>	<u>0</u>	<u>2</u>	<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120 BHT 112 Gravity NIC API RW NIC @ NIC °F Chlorides NIC ppm

(A) Initial Hydrostatic <u>2384</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>16:15</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:24</u>
(C) First Final Flow <u>52</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>19:12</u>
(D) Initial Shut-In <u>1285</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>22:13</u>
(E) Second Initial Flow <u>55</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>00:34</u>
(F) Second Final Flow <u>82</u>	<input checked="" type="checkbox"/> Mileage <u>140</u> <u>210</u>	Comments <u>loaded tools 4/24 20:10</u>
(G) Final Shut-In <u>1227</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2285</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1685</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1685</u>	

Approved By [Signature] Our Representative [Signature]

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# WYOMING CASING SERVICE, INC.

COMPLETION



PO Box 815 ~ (620) 793-9630  
Great Bend, KS 67530

FIELD TICKET

NO. 10- 10152 -1-16

## Casing Running Service

BID

Company: Pallak Energy LLC  
Billing Address: P.O. Box 106  
Purcell OK 73068  
Well Name: Schmitt #1  
State: Kansas

Date: 4/24/17  
Rig No. Duke #7  
Co. Rep David Hickman  
Sec 26 Twp 22 S Rge 25 W  
County: Hodgeman

Quantity	Size	Description of Services	Unit Price	Total
112	5 1/2	Furnished tools and crew to <u>(run)</u> pull <u>4807</u> feet of <u>5 1/2</u> " casing @ \$ .48		<u>2307.36</u>
All	5 1/2	Tools on Location	<u>200.00</u>	<u>200.00</u>
144	RT	Transportation Fee: <u>\$1.00</u>   <u>1</u> # of trucks	<u>144.00</u>	<u>144.00</u>
1	916	Pipe Dope	<u>50.00</u>	<u>50.00</u>
		Hours beyond Footage		
		Miscellaneous Charges per Job		
TOTAL:				<u>2,701.36</u>

Left Shop:	<u>9:50 pm</u>	Start Run Time:	<u>10:30 am</u>
Arrived at Location:	<u>11:08 pm</u>	Finished Time:	<u>9:00 am</u>
Rig Up Start Time:	<u>11:45 pm LDP</u>	Left Location:	<u>9:55 am</u>
Rig Up End Time:	<u>3:50 am</u>	Arrived at Shop:	<u>11:06 am</u>
		Start Date:	<u>4-24-17</u>
		End Date:	<u>4-25-17</u>

WYOMING CASING CREW		ACCIDENT		COMPANY INFORMATION
		NO	YES	
Operator	<u>Ryder Bass</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Stabber	<u>Mike Gray</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hand	<u>Brian Dewberry</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hand	<u>Delton Powell</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Hand		<input type="checkbox"/>	<input type="checkbox"/>	
Hand		<input type="checkbox"/>	<input type="checkbox"/>	

APPROVED BY: David Hickman DATE: 4-25-17

Thank You for your Business!

TTHM 46  
1 of 2

Customer <u>Pullon Energy LLC</u>		Lease No.	Date <u>4-25-17</u>	
Lease <u>Schmitt</u>		Well # <u>1</u>		
Field Order # <u>15101</u>	Station	Casing <u>5 1/2</u>	Depth <u>4807.48</u>	County <u>Hodgeman</u> State <u>KS</u>
Type Job <u>2-42 5 1/2 2 STAGE LONG STRING</u>	Formation <u>RTD 4815 shoe 22.02</u>	Legal Description <u>26-22S-25W</u>		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<u>5 1/2</u>				<u>155 SK AA-2</u>				
Depth <u>4807.48</u>	Depth	From	To	Pre Pad	Max		5 Min.	
<u>141.4</u>	Volume	From	To	Pad	Min		10 Min.	
<u>2,006</u>	Max Press	From	To	Frac	Avg		15 Min.	
<u>S V</u>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
<u>4785.4</u>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <u>David Hickman</u>	Station Manager <u>J. Westerman</u>	Treater <u>Mike Mattal</u>
Service Units <u>83353</u>	<u>78982</u>	<u>86779</u>
Driver Names <u>MATP1</u>	<u>m c g</u>	<u>r a w</u>
	<u>14355</u>	<u>37724</u>
	<u>19827</u>	<u>15883</u>

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
4:20 AM					ON LOCATION / SAFETY meeting
6:30					Run 5 1/2 15.5 casing, CMDS on 2, 4, 6, 8, 10, 12
					79 BASKET on 77 D.V. TOOL ON 78
9:00					CSNG on bottom
9:06					HOOK TOOL CASING / B.C.A.R. circ w. Rig
10:32	250		12	5	PUMP 12 bbl MID FLUSH
10:37	150		3	5	PUMP 3 bbl WATER
10:39	150		45	5	MIX 155 SKS AA-2
10:49			4	3	WASH PUMP + LINE, release plug
10:52	150		80	6	START WATER DISPLACEMENT
11:00	340			6	START MID DISPLACEMENT
11:00	340		80	6	LIFT PRESSURE
11:10	350		105	3	SLOW RATE
11:17	1750		113.9		PLUG DOWN
11:15					DIOP opening tool
11:35	1070				Open tool <del>hook</del> hook to rig + circulation
3:15			7.5		PLUG RAT + mouse hole
3:35	200		101	6.5	MIX 230 SKS A-con
3:53					WASH PUMP + LINE / DIOP PLUG
3:57	300			6	START DISPLACEMENT

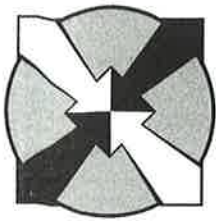


Customer <u>Pollon Energy LLC</u>		Lease No.		Date <u>4-25-17</u>	
Lease <u>Schmitt</u>		Well # <u>1</u>			
Field Order #	Station	Casing	Depth	County	State
Type Job			Formation	Legal Description	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative			Station Manager			Treater		
Service Units								
Driver Names								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:03	300		25	3	Slow rate
4:04	1500				plug down / released + hold
					CMR TO SURFACE
					JOB COMPLETE
					THANK YOU!
					MIKE MATRUI
					MIKE, CHAD, BARRY



# *Pollok Energy, LLC*

**GEOLOGICAL REPORT  
SCHMITT #1  
NW SE NE 26-T22S-R25W  
HODGEMAN COUNTY, KANSAS**

## **SUMMARY**

The above noted well was drilled to a depth of 4,815 feet on April 24, 2017. A one-man logging unit was on location on April 19, 2017 with logging beginning at 3,400 feet on April 20, 2017. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, Micro-log, and Compensated Sonic. From the data collected while drilling and analyzing, the decision was made to set production casing and further evaluate the zone.

## **MISSISSIPPIAN**

The top of the Mississippian was encountered at 4,668 (-2130) feet and samples consisted primarily of dolomite and limestone. The Spergen Dolomite was encountered at 4,672 (-2,134) feet. The dolomite samples were described as cream, buff, and light brown. Textures were very fine crystalline and sucrosic, while being friable to moderately firm. Abundant vugular porosity and fair inter-crystalline porosity were noted. The dolomite samples possessed bright yellow fluorescence, good flash cuts, slight live oil stain, and faint oil odor. Three drill stem tests were run to further evaluate the Mississippian with results on the next page.

**DST # 1 (4,636-4,673')**

Miss run

Hit bridge at 1,700'

**DST # 2 (4,636-4,673') 30-60-30-60**

Rec. – 5' SOCM (4% oil, 96% mud)

IF – Weak surface blow    FF – No blow

IF – 18-29                      FF – 31-38

ISI – 1134                      FSI – 786

IH – 2423                      FH – 2330

BHT – 114 °F

**DST # 3 (4,636-4,683') 30-60-30-60**

Rec. – 120' VSOCM (2% oil, 98% mud)

IF – Weak 2" blow            FF – Weak ½" blow

IF – 23-52                      FF – 55-82

ISI – 1285                      FSI – 1227

IH – 2384                      FH – 2285

BHT – 112 °F

## ELECTRIC LOG TOPS

	Pollok Energy Schmitt #1 NW SE NE 26-T22S-R25W	Kewanee Oil Co. Schmitt #2 W/2 SW NW 23-T22S-R25W	McCoy Petroleum Amrein A 1-25 NW SW 25-T22S-R25W
Bs. Heebner (subsea)	3,963' (-1,425')	3,922' (-1,408')	3,978' (-1,455')
T/Lansing (subsea)	4,012' (-1,474')	3,970' (-1,456')	4,030' (-1,507')
T/Stark (subsea)	4,315' (-1,777')	4,272' (-1,758')	4,320' (-1,797')
T/Cherokee (subsea)	4,586' (-2,048')	4,538' (-2,024')	4,597' (-2,074')
T/Mississippian (subsea)	4,668' (-2,130')	4,614' (-2,100')	4,687' (-2,164')
T/Spergen Dolomite (subsea)	4,672' (-2,134')	4,618' (-2,104')	4,697' (-2,174')

## CONCLUSION

The Schmitt #1 was drilled as an exploratory test corresponding to a 3-D seismic high located in the NW of 26-T22S-R25W. Electric logs indicated the Spergen Dolomite was a 19 foot thick zone with an average neutron porosity of 22% with a high of 24%, compensated sonic showed an average of 12% porosity with a high of 15%, and good cross-over on the micro-log. Based on the data collected and analyzed, the decision was made to set production casing to further evaluate the Spergen Dolomite.

Respectfully Submitted,



Bill Busch, Thomas Miszkiel

Petroleum Geologist

4/26/2017

Customer Pollok Energy LLC	Lease No.	Date 4-18-17
Lease Schmitt	Well # 1	
Field Order # 15024	Station Pratt	Casing 8 5/8
Type Job 2 42	8 5/8 SURKAT	Depth
	Formation	County Hudgeman
		State KS
		Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
8 5/8				180 SPS 60/40 POZ			
Depth 260	Depth 270	From	To	Pre Pad 330 cc 2%	Max		5 Min.
Volume 16.5	Volume 17.2	From	To	Pad	Min		10 Min.
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 270	Packer Depth	From	To	Flush 15.3	Gas Volume		Total Load

Customer Representative David Hickman	Station Manager Justin Westerman	Treater Mike Mattal
Service Units 83353	84981	19843
Driver Names Matta	McGraw	Clymer
	84980	19860

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:45					ON LOCATION / SARRY MEETING
3:15					run 8 5/8 casing
4:30					CSNG ON BOTTOM
4:50					HOW TO CSNG / BEAM CIRC. W. RIG
4:55	150		3	5	PUMP 3 bbl water
4:57	150		39	5	MIX 180 SPS 60/40 POZ
5:10	150		15.5	5	START DISPLACEMENT
5:15	150		15.5		plug down, shut in well
					15 bbl CNT TO PIT
					7:15
					JOB COMPLETE
					THANK YOU!
					MIKE MATTAL
					MIKE + MIKE