

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. 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:	
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Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	SHULL 1
Doc ID	1359820

All Electric Logs Run

CDL/CNL
DIL
MEL
SON



CONSOLIDATED
Oil Well Services, LLC

7928
7825

TICKET NUMBER 51756
LOCATION Oakley Ks
FOREMAN Walt Dinkel

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	
4-5-17	7251	Shull #1	32	65	33 ^W	Thomas	
CUSTOMER Red Oak Energy		Colby GOLF Course		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 7701 E. Kellogg Dr., Ste. 710		SN 65		731	Cory Davis		
CITY Wichita		STATE KS	ZIP CODE 67207-1738	479	Steven Odal		
				697			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 249' CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 249' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 1.5-20'
 DISPLACEMENT 14 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BDril

REMARKS: Safety Working, Rig up on MURFIN #7, Circ casing on bottom,
Mix 180 SKs Surface Blend II, Displace 14 1/2 BBL H₂O, Shut in

Cement Did Circ
2 BBL to PL

Thank you
Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
C20471	1	PUMP CHARGE	1,150. ⁰⁰	1,150. ⁰⁰
C20002	20	MILEAGE	7.15	143. ⁰⁰
C20711	8.46	Ton Mileage Delivery	1.75	660. ⁰⁰
CC5871	180 SKs	Surface Blend II	23. ⁰⁰	4,140. ⁰⁰
CP8556	1	8 5/8 Centralizer	110	110. ⁰⁰
				6,203. ⁰⁰
		Less	35% Disc	2,121. ⁰⁰
				4,031. ⁹³
		SALES TAX		4239.14
		ESTIMATED TOTAL		207.19

AVIN 3737
AUTHORIZATION Kelly Wilson TITLE Pusher DATE 4-5-17

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.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy Inc.
 7701 E Kellogg Dr Ste 710
 Wichita KS 67207-1738
 ATTN: Sean Deenihan

32 6s 33w Thomas KS
Shull 1
 Job Ticket: 64006 **DST#: 1**
 Test Start: 2017.04.08 @ 19:00:00

GENERAL INFORMATION:

Formation: **LKC " D "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:24:30
 Time Test Ended: 01:50:00
 Interval: **4031.00 ft (KB) To 4098.00 ft (KB) (TVD)**
 Total Depth: 4098.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 3079.00 ft (KB)
 3074.00 ft (CF)
 KB to GR/CF: 5.00 ft

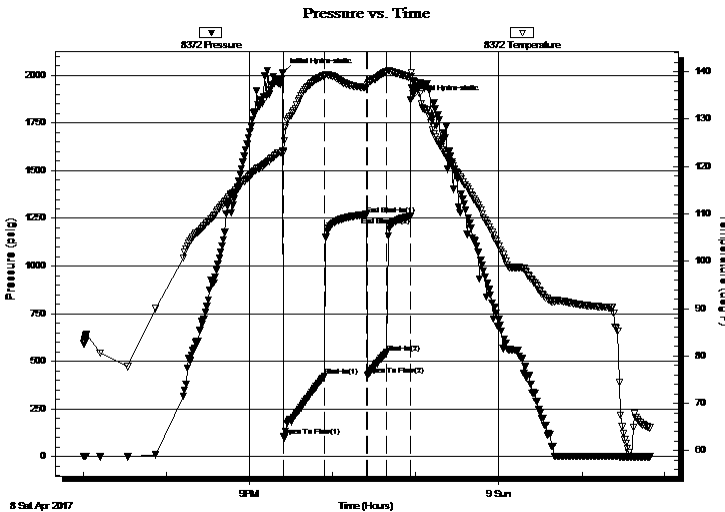
Serial #: 8372

Outside

Press@RunDepth: 545.11 psig @ 4032.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.04.08 End Date: 2017.04.09 Last Calib.: 2017.04.09
 Start Time: 19:00:01 End Time: 01:49:30 Time On Btm: 2017.04.08 @ 21:24:00
 Time Off Btm: 2017.04.08 @ 22:56:30

TEST COMMENT: 30-IFP- BOB in 3 1/2min.
 30-ISIP- No Blow
 15-FFP- BOB in 4 1/2min.
 15-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.56	123.37	Initial Hydro-static
1	104.21	123.00	Open To Flow (1)
30	421.03	139.22	Shut-In(1)
61	1269.71	136.59	End Shut-In(1)
61	425.72	137.20	Open To Flow (2)
75	545.11	140.01	Shut-In(2)
92	1259.57	138.81	End Shut-In(2)
93	1871.93	139.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
697.00	MCW 5%w 95%w	8.07
252.00	MCW 35%w 65%w	3.53
126.00	WCM 45%w 55%w	1.77

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy Inc.

32 6s 33w Thomas KS

7701 E Kellogg Dr Ste 710
Wichita KS 67207-1738

Shull 1

Job Ticket: 64006

DST#: 1

ATTN: Sean Deenihan

Test Start: 2017.04.08 @ 19:00:00

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:

53000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
697.00	MCW 5%m 95%w	8.074
252.00	MCW 35%m 65%w	3.535
126.00	WCM 45%w 55%m	1.767

Total Length: 1075.00 ft Total Volume: 13.376 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

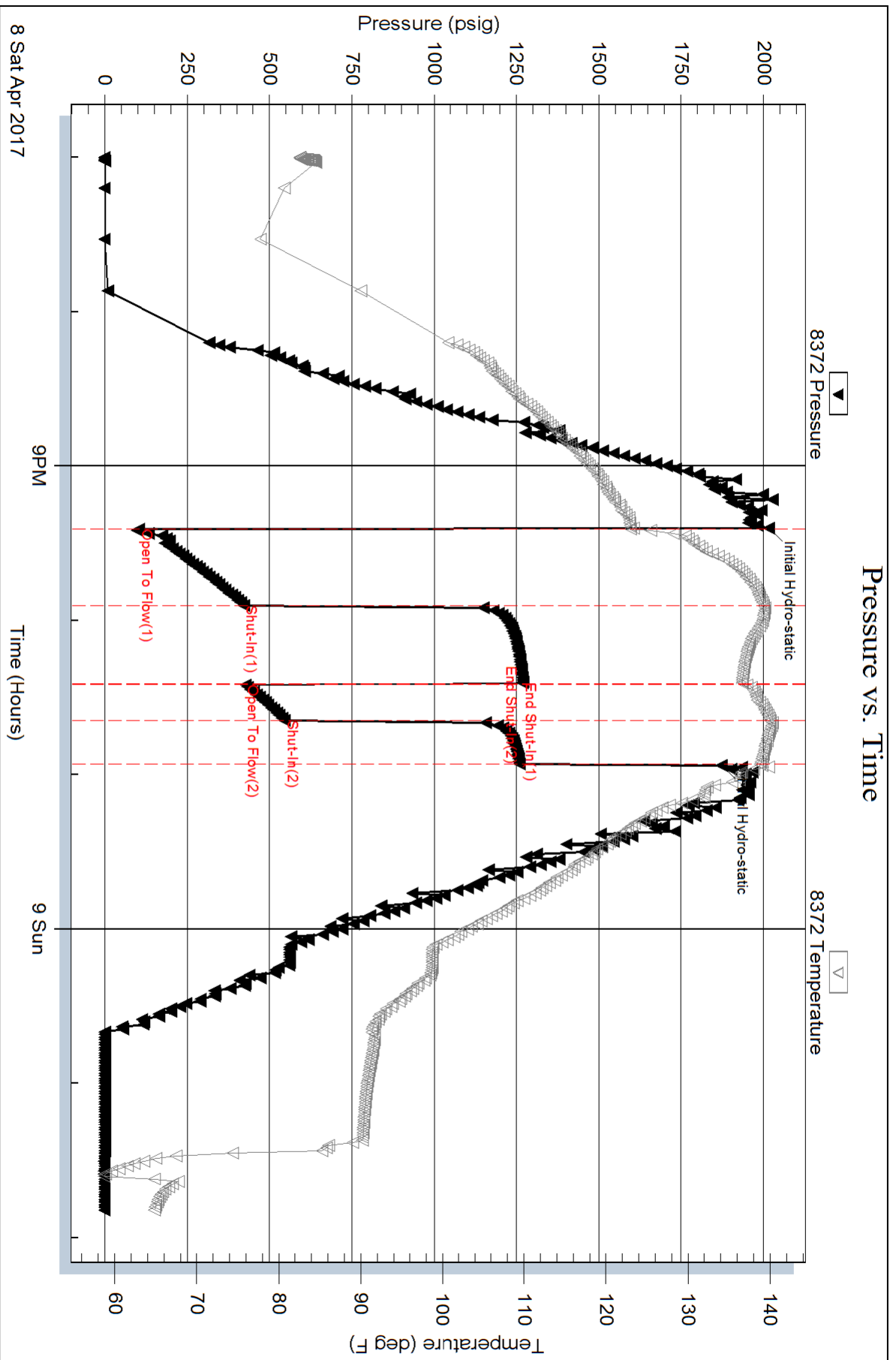
Serial #:

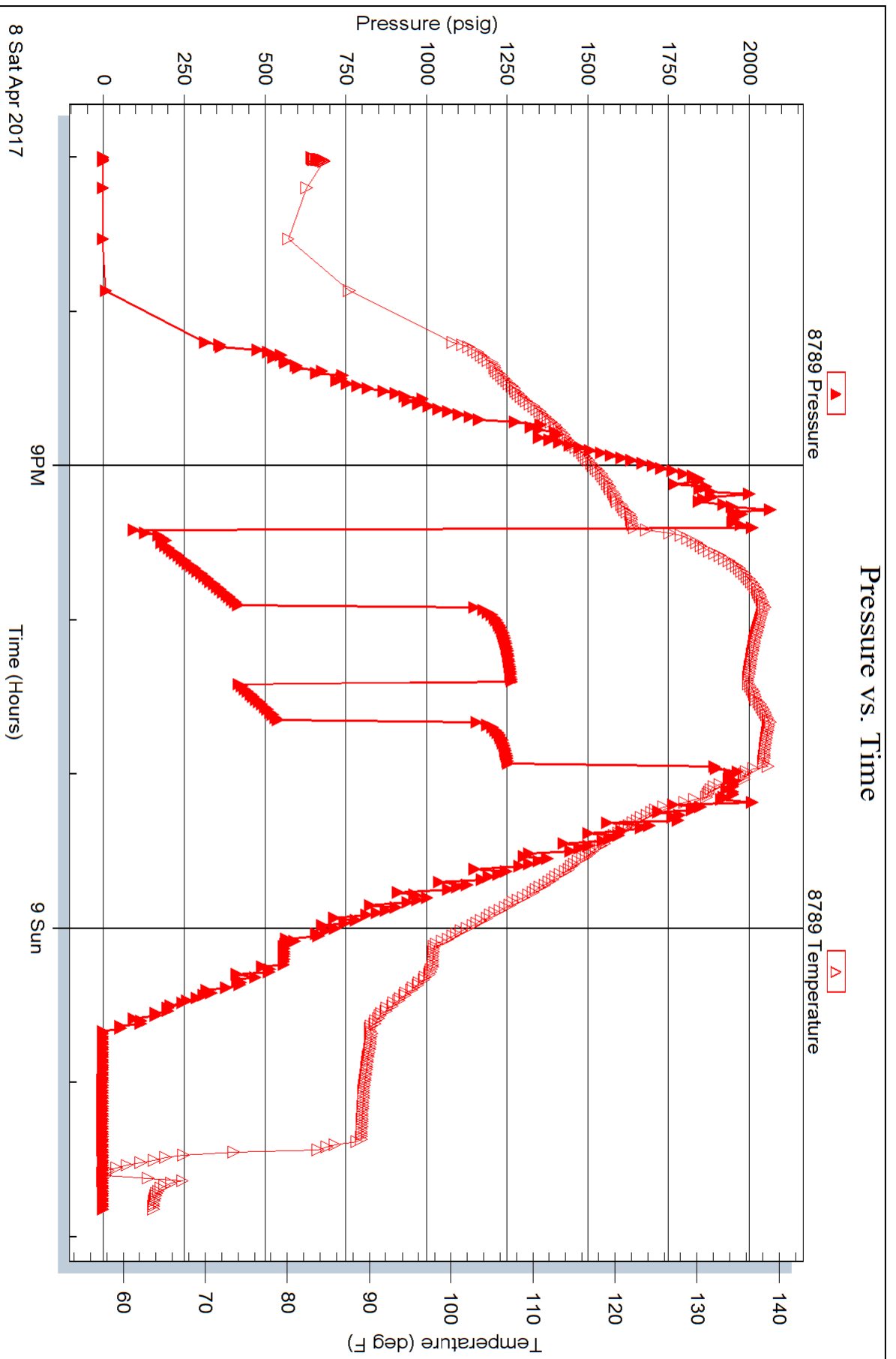
Laboratory Name:

Laboratory Location:

Recovery Comments: .115 @ 68

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy Inc.
7701 E Kellogg Dr Ste 710
Wichita KS 67207-1738
ATTN: Sean Deenihan

32 6s 33w Thomas KS

Shull 1

Job Ticket: 64007

DST#: 2

Test Start: 2017.04.09 @ 21:04:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:29:00
Time Test Ended: 04:23:00
Interval: **4244.00 ft (KB) To 4376.00 ft (KB) (TVD)**
Total Depth: 4376.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 3079.00 ft (KB)
3074.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8372

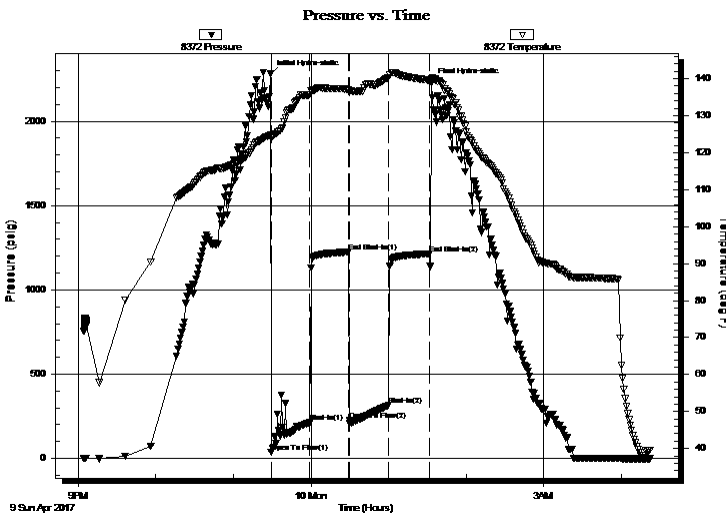
Outside

Press@RunDepth: 314.24 psig @ 4248.00 ft (KB)
Start Date: 2017.04.09 End Date: 2017.04.10
Start Time: 21:04:01 End Time: 04:22:30

Capacity: 8000.00 psig
Last Calib.: 2017.04.10
Time On Btm: 2017.04.09 @ 23:28:30
Time Off Btm: 2017.04.10 @ 01:33:00

TEST COMMENT: 30-IFP- BOB in 13min.
30-ISIP- No Blow
30-FFP- BOB in 15 1/2min.
30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2279.73	124.79	Initial Hydro-static
1	37.18	124.04	Open To Flow (1)
31	212.41	135.76	Shut-In(1)
61	1224.70	136.94	End Shut-In(1)
61	223.91	136.30	Open To Flow (2)
92	314.24	140.35	Shut-In(2)
123	1214.57	139.61	End Shut-In(2)
125	2226.97	140.04	Final Hydro-static

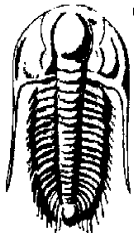
Recovery

Length (ft)	Description	Volume (bbl)
187.00	MCW 15% m 85% w	0.92
315.00	MCW 40% m 60% w	4.42
113.00	Mud 100%	1.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy Inc.
7701 E Kellogg Dr Ste 710
Wichita KS 67207-1738

ATTN: Sean Deenihan

32 6s 33w Thomas KS

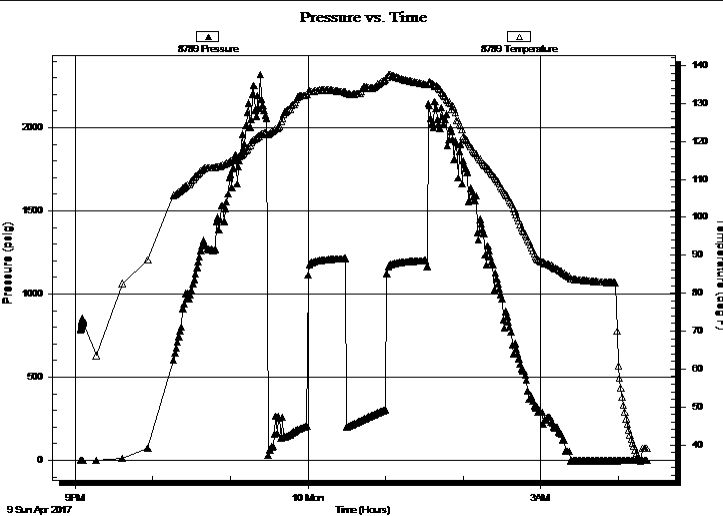
Shull 1
Job Ticket: 64007 **DST#: 2**
Test Start: 2017.04.09 @ 21:04:00

GENERAL INFORMATION:

Formation:	Marmaton	Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock:	Tester:	Jim Svaty
Time Tool Opened:	23:29:00	Unit No:	76
Time Test Ended:	04:23:00	Reference Elevations:	3079.00 ft (KB)
Interval:	4244.00 ft (KB) To 4376.00 ft (KB) (TVD)		3074.00 ft (CF)
Total Depth:	4376.00 ft (KB) (TVD)	KB to GR/CF:	5.00 ft
Hole Diameter:	7.88 inches	Hole Condition:	Fair

Serial #: 8789	Inside	Capacity:	8000.00 psig
Press@RunDepth:	psig @ 4248.00 ft (KB)	Last Calib.:	2017.04.10
Start Date:	2017.04.09	End Date:	2017.04.10
Start Time:	21:04:01	End Time:	04:22:30
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: 30-IFP- BOB in 13min.
30-ISIP- No Blow
30-FFP- BOB in 15 1/2min.
30-FSIP- No Blow



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

Recovery

Length (ft)	Description	Volume (bbl)
187.00	MCW 15% m 85% w	0.92
315.00	MCW 40% m 60% w	4.42
113.00	Mud 100%	1.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy Inc.

32 6s 33w Thomas KS

7701 E Kellogg Dr Ste 710
Wichita KS 67207-1738

Shull 1

Job Ticket: 64007

DST#: 2

ATTN: Sean Deenihan

Test Start: 2017.04.09 @ 21:04:00

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:

67500 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
187.00	MCW 15%m 85%w	0.920
315.00	MCW 40%m 60%w	4.419
113.00	Mud 100%	1.585

Total Length: 615.00 ft

Total Volume: 6.924 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

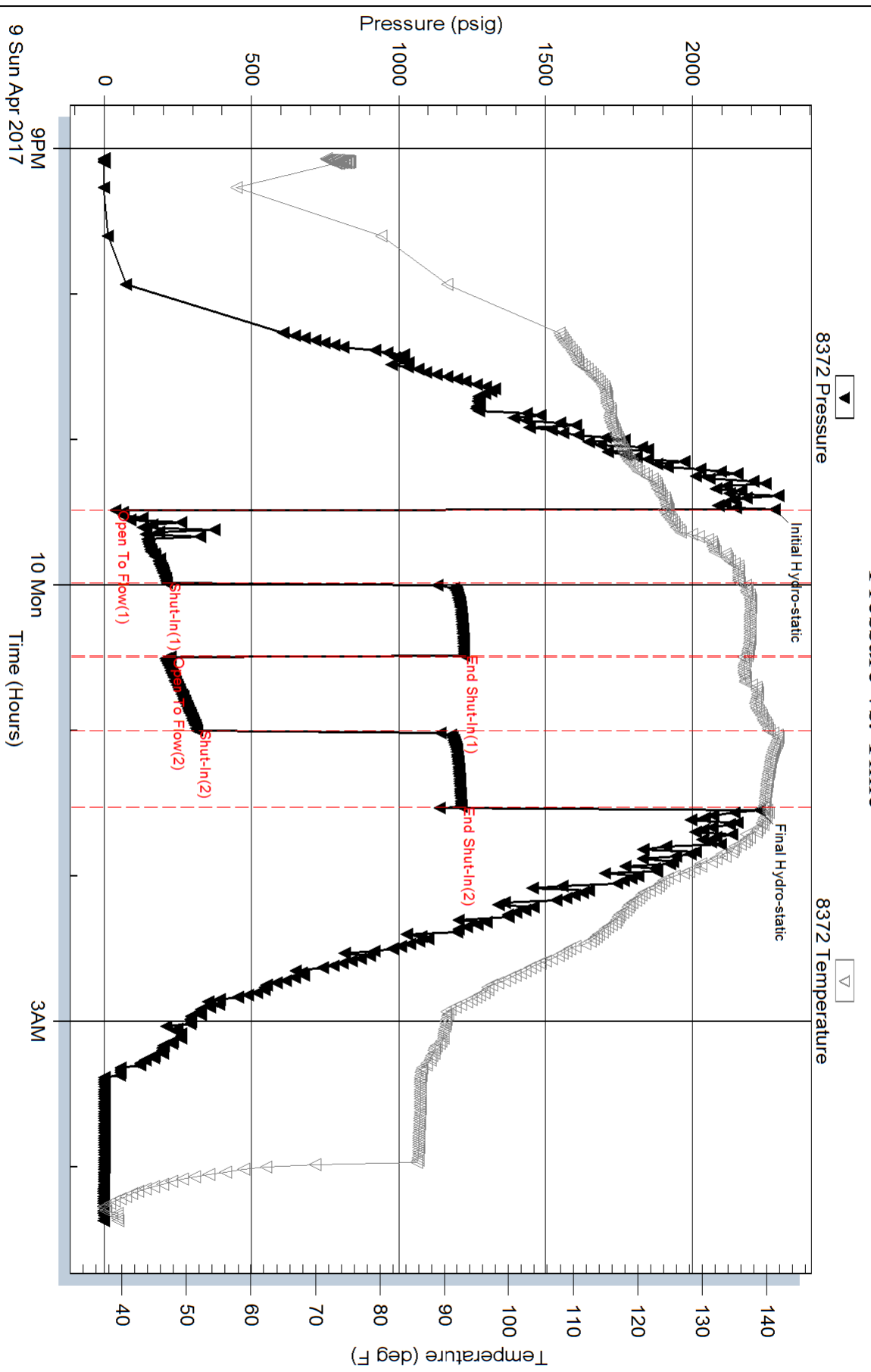
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .220 @ 37

Pressure vs. Time



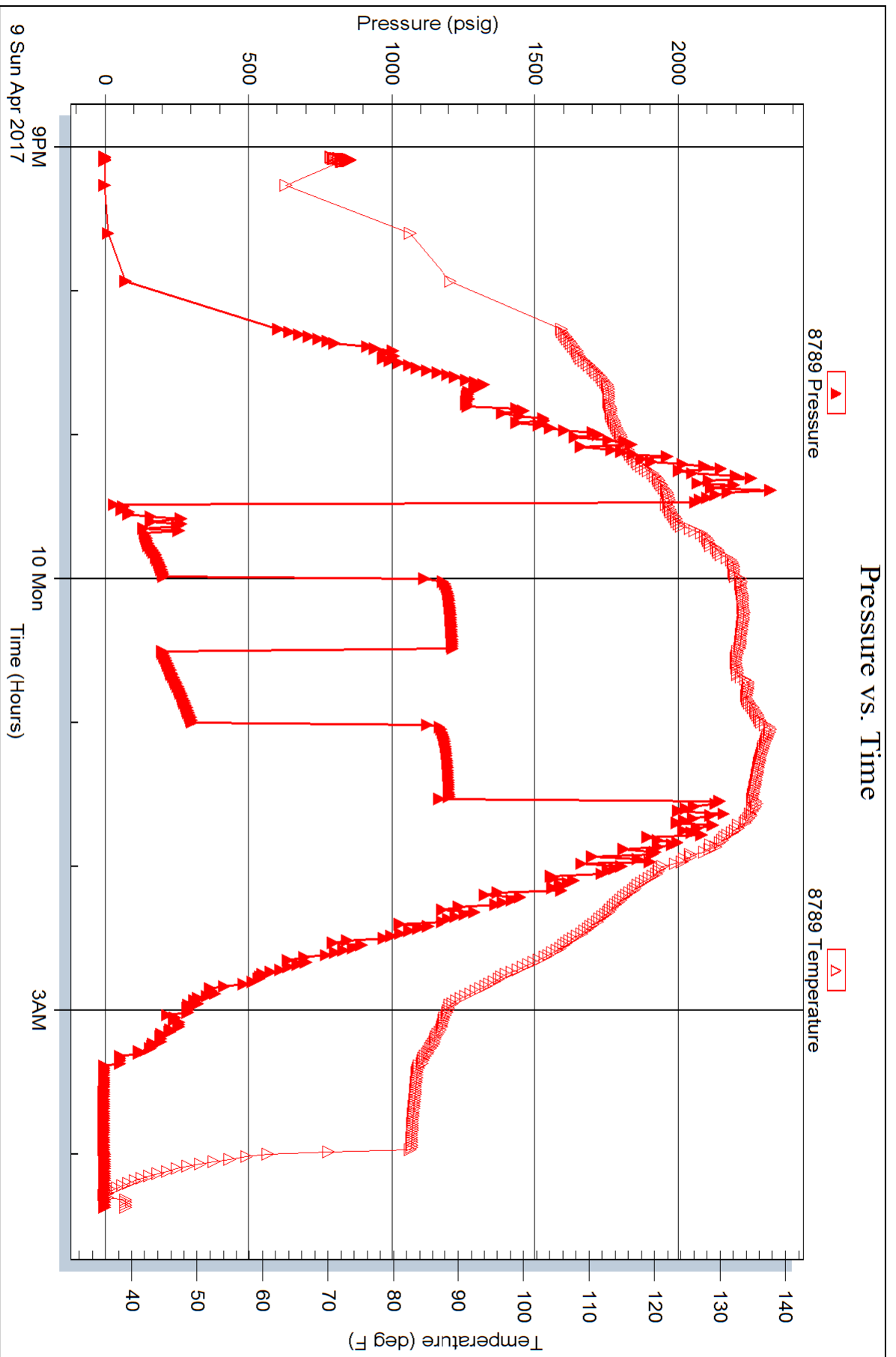
Serial #: 8789

Inside

Red Oak Energy Inc.

Shull 1

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy Inc.
 7701 E Kellogg Dr Ste 710
 Wichita KS 67207-1738
 ATTN: Sean Deenihan

32 6s 33w Thomas KS
Shull 1
 Job Ticket: 64008 **DST#: 3**
 Test Start: 2017.04.11 @ 09:17:00

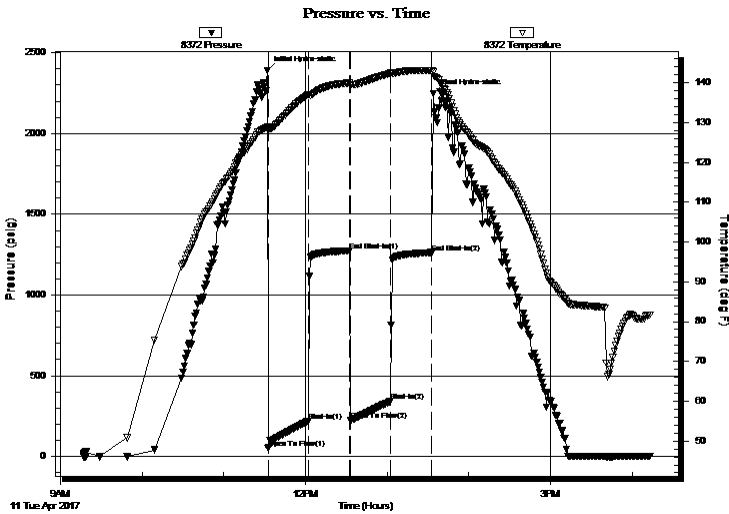
GENERAL INFORMATION:

Formation: **Altamont**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:32:30
 Time Test Ended: 16:13:00
 Interval: **4370.00 ft (KB) To 4509.00 ft (KB) (TVD)**
 Total Depth: 4716.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 3079.00 ft (KB)
 3074.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372 Outside
 Press@RunDepth: 341.34 psig @ 4373.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.04.11 End Date: 2017.04.11 Last Calib.: 2017.04.11
 Start Time: 09:17:01 End Time: 16:13:00 Time On Btm: 2017.04.11 @ 11:32:00
 Time Off Btm: 2017.04.11 @ 13:34:00

TEST COMMENT: 30-IFP- BOB in 10min.
 30-ISIP- No Blow
 30-FFP- BOB in 13min.
 30-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2390.05	128.98	Initial Hydro-static
1	50.40	128.10	Open To Flow (1)
30	219.60	137.04	Shut-In(1)
61	1274.43	139.94	End Shut-In(1)
61	221.68	139.44	Open To Flow (2)
91	341.34	142.35	Shut-In(2)
121	1263.11	143.05	End Shut-In(2)
122	2246.41	142.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
314.00	MCW 5% m 95% w	2.70
400.00	MCW 25% m 75% w	5.61

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy Inc.
7701 E Kellogg Dr Ste 710
Wichita KS 67207-1738
ATTN: Sean Deenihan

32 6s 33w Thomas KS

Shull 1

Job Ticket: 64008

DST#: 3

Test Start: 2017.04.11 @ 09:17:00

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:32:30

Time Test Ended: 16:13:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: **4370.00 ft (KB) To 4509.00 ft (KB) (TVD)**

Total Depth: 4716.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3079.00 ft (KB)

3074.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press@RunDepth: psig @ 4373.00 ft (KB)

Start Date: 2017.04.11

End Date:

2017.04.11

Start Time: 09:17:01

End Time:

16:13:00

Capacity: 8000.00 psig

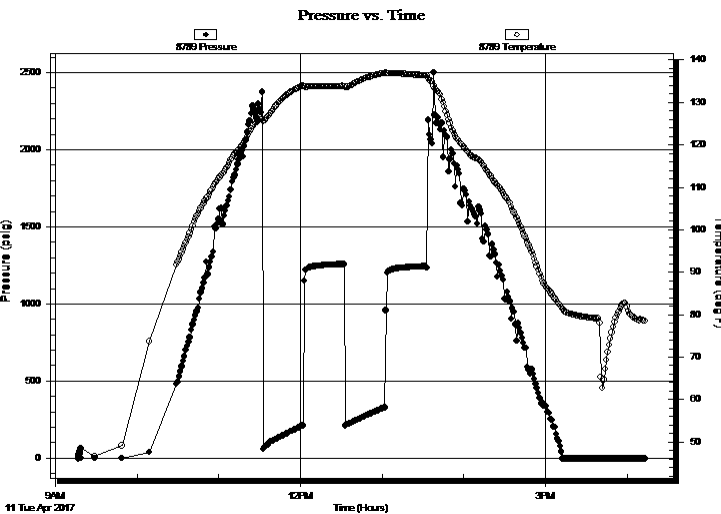
Last Calib.:

2017.04.11

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 10min.
30-ISIP- No Blow
30-FFP- BOB in 13min.
30-FSIP- No Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
314.00	MCW 5% m 95% w	2.70
400.00	MCW 25% m 75% w	5.61

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy Inc.

32 6s 33w Thomas KS

7701 E Kellogg Dr Ste 710
Wichita KS 67207-1738

Shull 1

Job Ticket: 64008

DST#: 3

ATTN: Sean Deenihan

Test Start: 2017.04.11 @ 09:17:00

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:

52000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
314.00	MCW 5%m 95%w	2.701
400.00	MCW 25%m 75%w	5.611

Total Length: 714.00 ft Total Volume: 8.312 bbf

Num Fluid Samples: 0

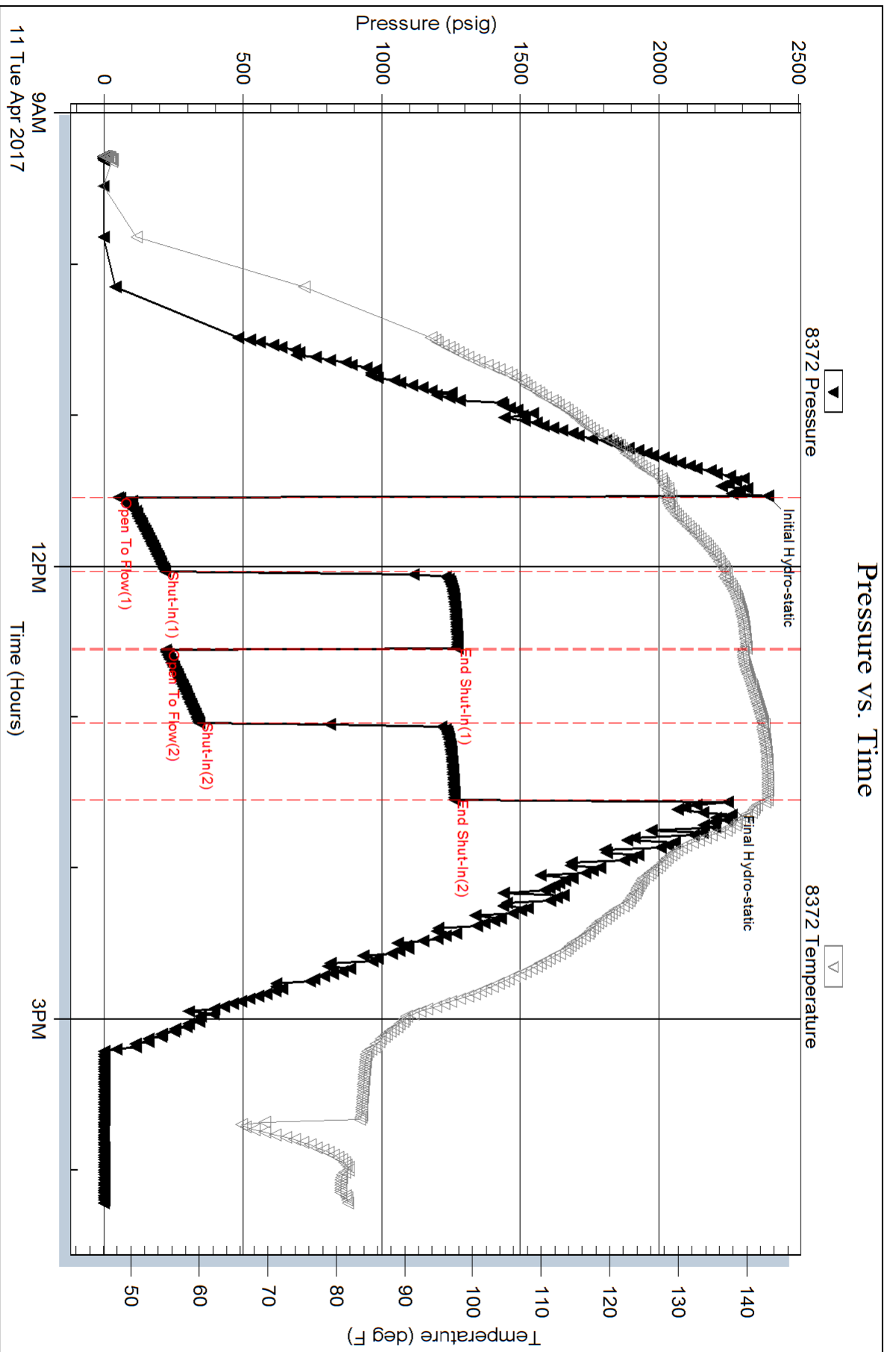
Num Gas Bombs: 0

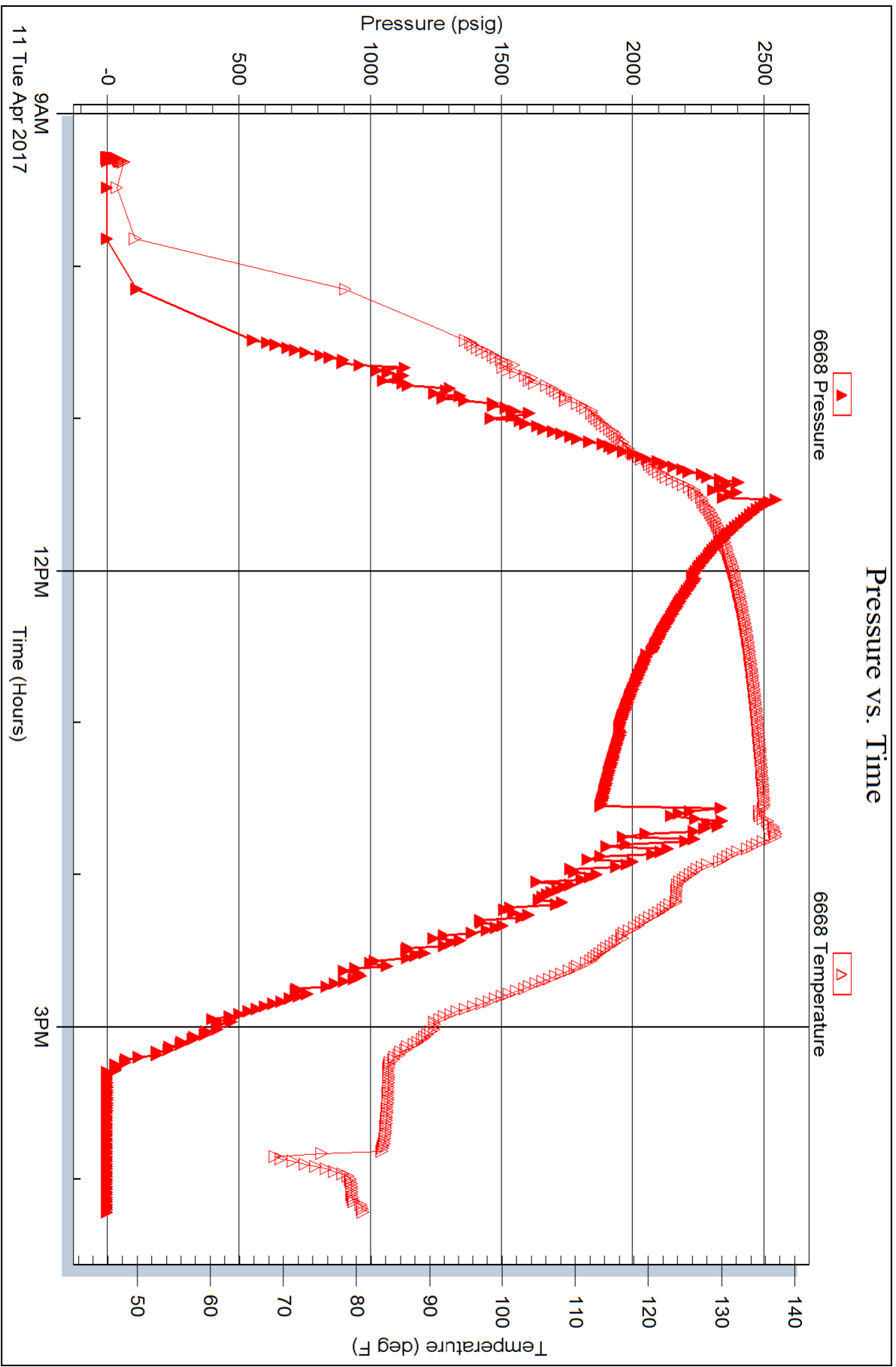
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .136 @ 76





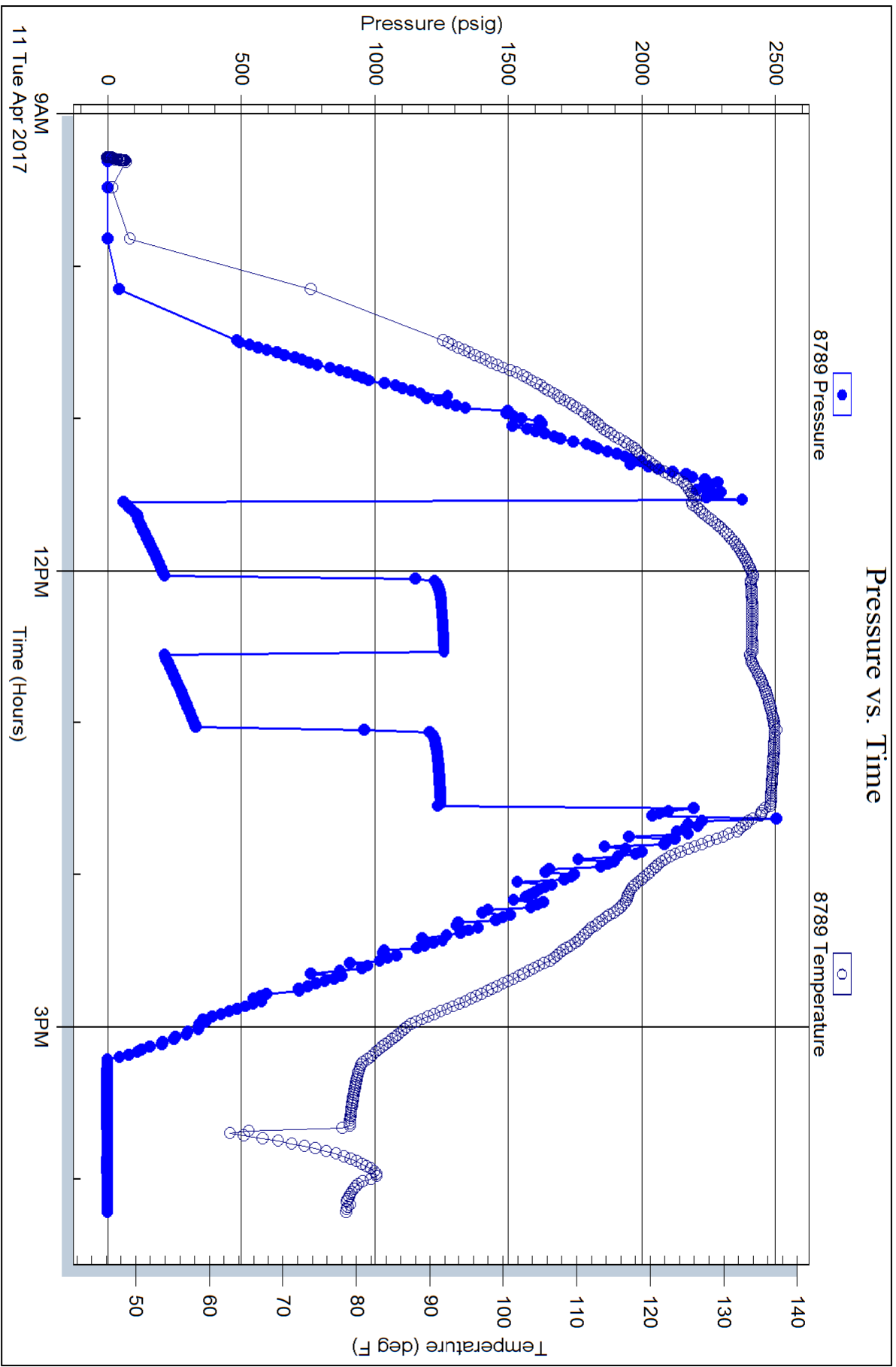
Serial #: 8789

Inside

Red Oak Energy Inc.

Shull 1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 64008

Printed: 2017.04.11 @ 17:01:36

Sean Deenihan

Petroleum Geologist

15-193-20992

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Red Oak Energy, Inc.
LEASE Shull #1
FIELD Wildcat
LOCATION 1485' E.S. & 678' F.W.L.
SEC 32 TWPSP 6 S RGE 33 W
COUNTY Thomas STATE Kansas
CONTRACTOR Murfin Drilling Rig #7
SPUD 4/5/16 COMP 4/11/17
RTD 4715' LTD 4716'
MUD UP 3600' TYPE MUD Chemical
SAMPLES SAVED FROM 3800' TO RTD
DRILLING TIME KEPT FROM 3800' TO RTD
SAMPLES EXAMINED FROM 3800' TO RTD
GEOLOGICAL SUPERVISION FROM 3800' TO RTD
REFERENCE WELL CND/DIL MIC/SON

ELEVATIONS

KB 3078'
 DF _____
 GL 3073'
 Measurements Are All From Kelly Bushing

CASING

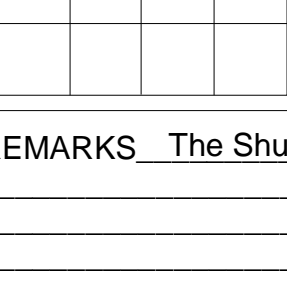
CONDUCTOR SURFACE 8-5/8" at 249'
 PRODUCTION NONE

ELECTRICAL SURVEYS

ELI WIRELINE
 CND/DIL MIC/SON

Formation

Formation	Sample Tops	E-log Tops	Struct Pos.
B/Anthracite		2728 (-1350)	
Heebner		3992 (-914)	
Lansing		4038 (-960)	
Martinelli		4300 (-1222)	
Pawnee		4406 (-1328)	
Cherokee Sh.		4498 (-1420)	
Mississippi		4614 (-1536)	

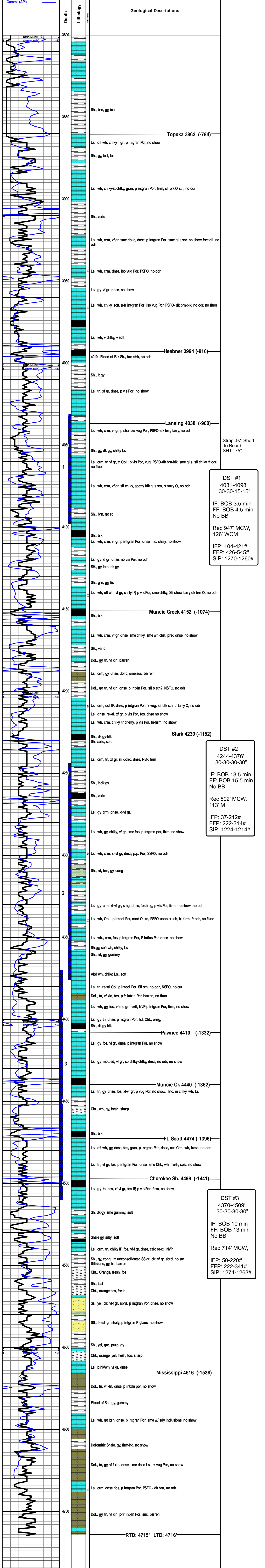


REMARKS The Shull #1 did not encounter any commercial oil reservoirs and therefore was plugged.

Respectfully Submitted,

Sean P. Deenihan

15-193-20992



Strap .97' Short to Board. SHT: .75"

DST #1
 4031-4098'
 30-30-15-15"
 IF: BOB 3.5 min
 FF: BOB 4.5 min
 No BB
 Rec 947' MCW,
 126' WCM
 IFP: 104-421#
 FFP: 426-545#
 SIP: 1270-1260#

DST #2
 4244-4376'
 30-30-30-30"
 IF: BOB 13.5 min
 FF: BOB 15.5 min
 No BB
 Rec 502' MCW,
 113' M
 IFP: 37-212#
 FFP: 222-314#
 SIP: 1224-1214#

DST #3
 4370-4509'
 30-30-30-30"
 IF: BOB 10 min
 FF: BOB 13 min
 No BB
 Rec 714' MCW,
 IFP: 50-220#
 FFP: 222-341#
 SIP: 1274-1263#