

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:	
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Form	ACO1 - Well Completion
Operator	O'Brien Resources, LLC
Well Name	JECHA 4 2
Doc ID	1319920

All Electric Logs Run

Composite
Density-Neutron-Micro
Induction
Micro
Sonic







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

O'Brien Resources LLC  
 PO Box 6149  
 Shreveport, LA 71136+6149  
 ATTN: Wyatt Urban

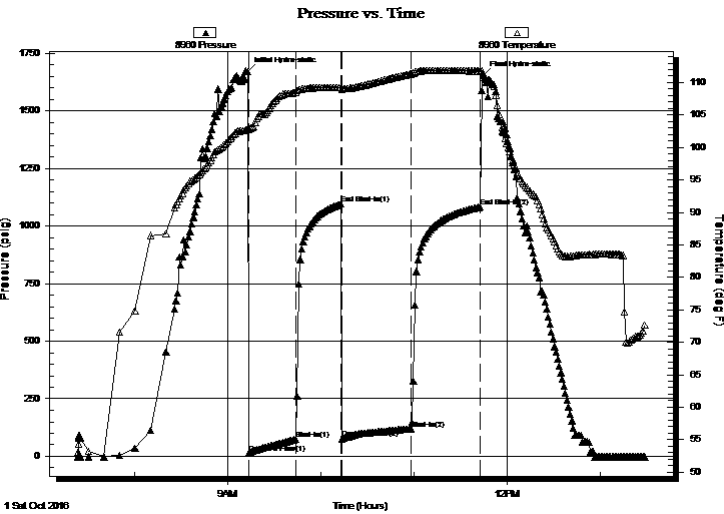
**4/19S/17W/Rush**  
**Jecha 4 #2**  
 Job Ticket: 65125      **DST#: 1**  
 Test Start: 2016.10.01 @ 07:23:00

## GENERAL INFORMATION:

Formation: **Lansing zones A-B**  
 Deviated: No Whipstock:      ft (KB)  
 Time Tool Opened: 09:14:00  
 Time Test Ended: 13:29:30  
 Interval: **3483.00 ft (KB) To 3510.00 ft (KB) (TVD)**  
 Total Depth: 3510.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 72 Great Bend/56  
 Reference Elevations: 2087.00 ft (KB)  
 2074.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 8960      Outside**  
 Press@RunDepth: 1082.63 psig @ 3507.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2016.10.01      End Date: 2016.10.01      Last Calib.: 2016.10.01  
 Start Time: 07:23:05      End Time: 13:28:29      Time On Btm: 2016.10.01 @ 09:12:30  
 Time Off Btm: 2016.10.01 @ 11:44:30

TEST COMMENT: I.F. 30 minutes/Blow built to 5 inches  
 I.S.I. 30 minutes/No blow back  
 F.F. 45 minutes/Blow built to 7 inches  
 F.S.I. 45 minutes/No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.88	102.94	Initial Hydro-static
1	14.34	102.77	Open To Flow (1)
31	72.89	108.53	Shut-In(1)
60	1095.16	109.24	End Shut-In(1)
61	76.79	108.96	Open To Flow (2)
106	119.88	111.33	Shut-In(2)
150	1082.63	111.75	End Shut-In(2)
152	1653.77	111.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
217.00	Muddy Water/ Mud 10% Water 90%	1.39

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

O'Brien Resources LLC

**4/19S/17W/Rush**

PO Box 6149  
Shreveport, LA 71136+6149

**Jecha 4 #2**

Job Ticket: 65125

**DST#: 1**

ATTN: Wyatt Urban

Test Start: 2016.10.01 @ 07:23:00

### 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:

47000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
217.00	Muddy Water/ Mud 10% Water 90%	1.392

Total Length: 217.00 ft      Total Volume: 1.392 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

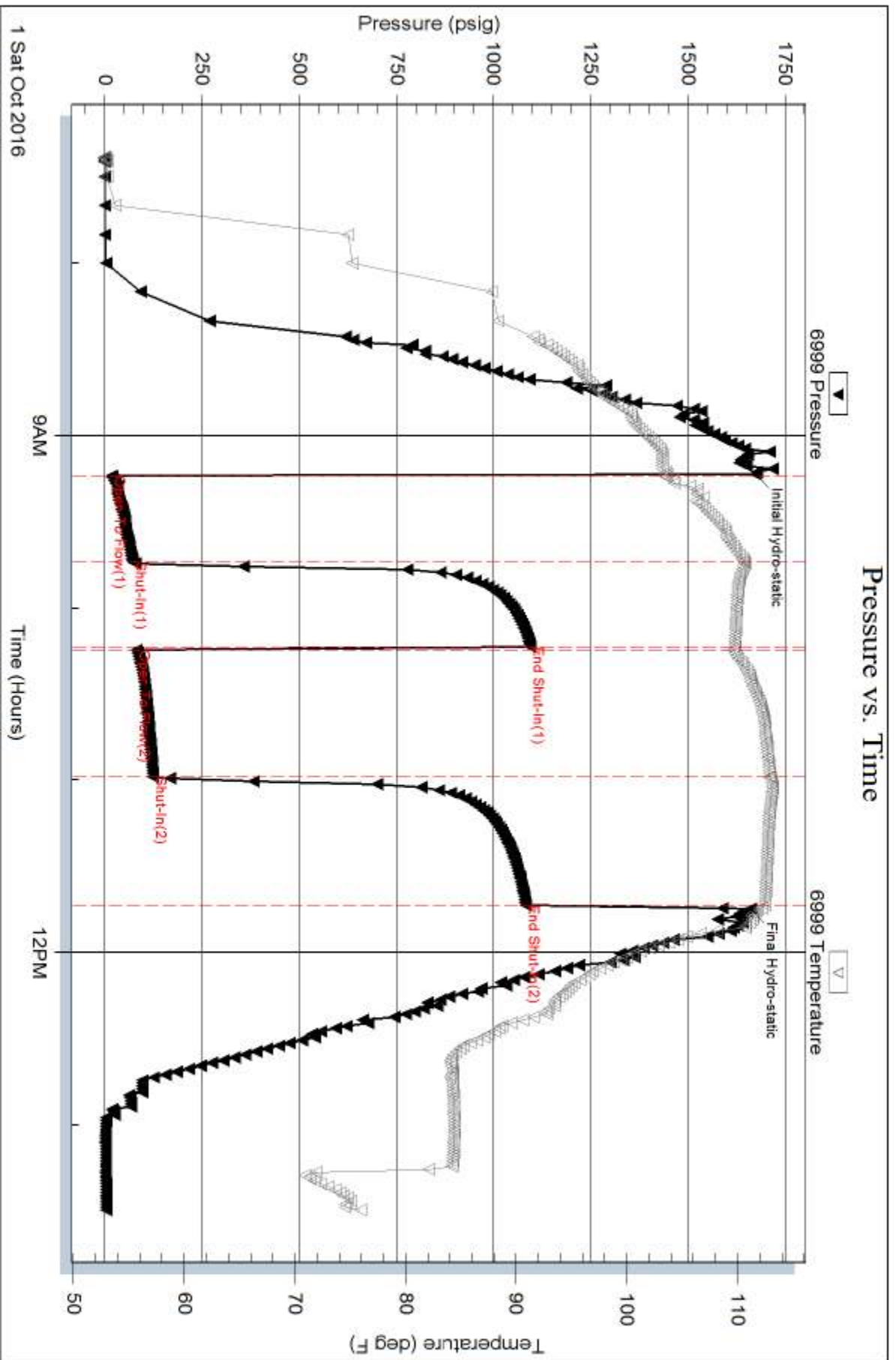
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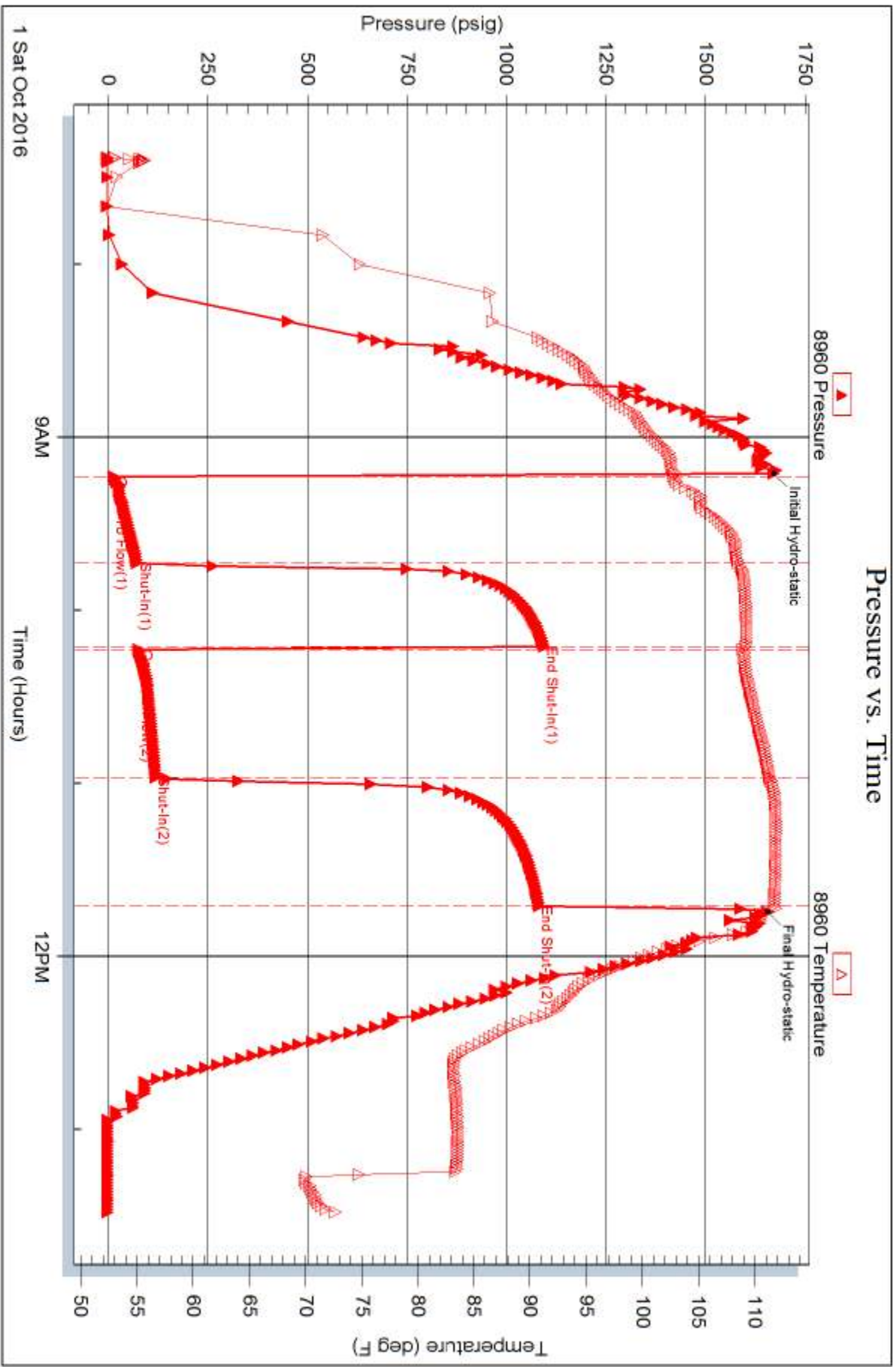
Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .136 ohms @ 81 deg

### Pressure vs. Time











**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

O'Brien Resources LLC

**4/19S/17W/Rush**

PO Box 6149  
Shreveport, LA 71136+6149

**Jecha 4 #2**

Job Ticket: 61928

**DST#: 2**

ATTN: Wyatt Urban

Test Start: 2016.10.03 @ 00:07:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

45 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	Oily Mud/ Oil 20% Mud 80%	0.457
103.00	Clean Oil 100%	0.640

Total Length: 196.00 ft

Total Volume: 1.097 bbl

Num Fluid Samples: 0

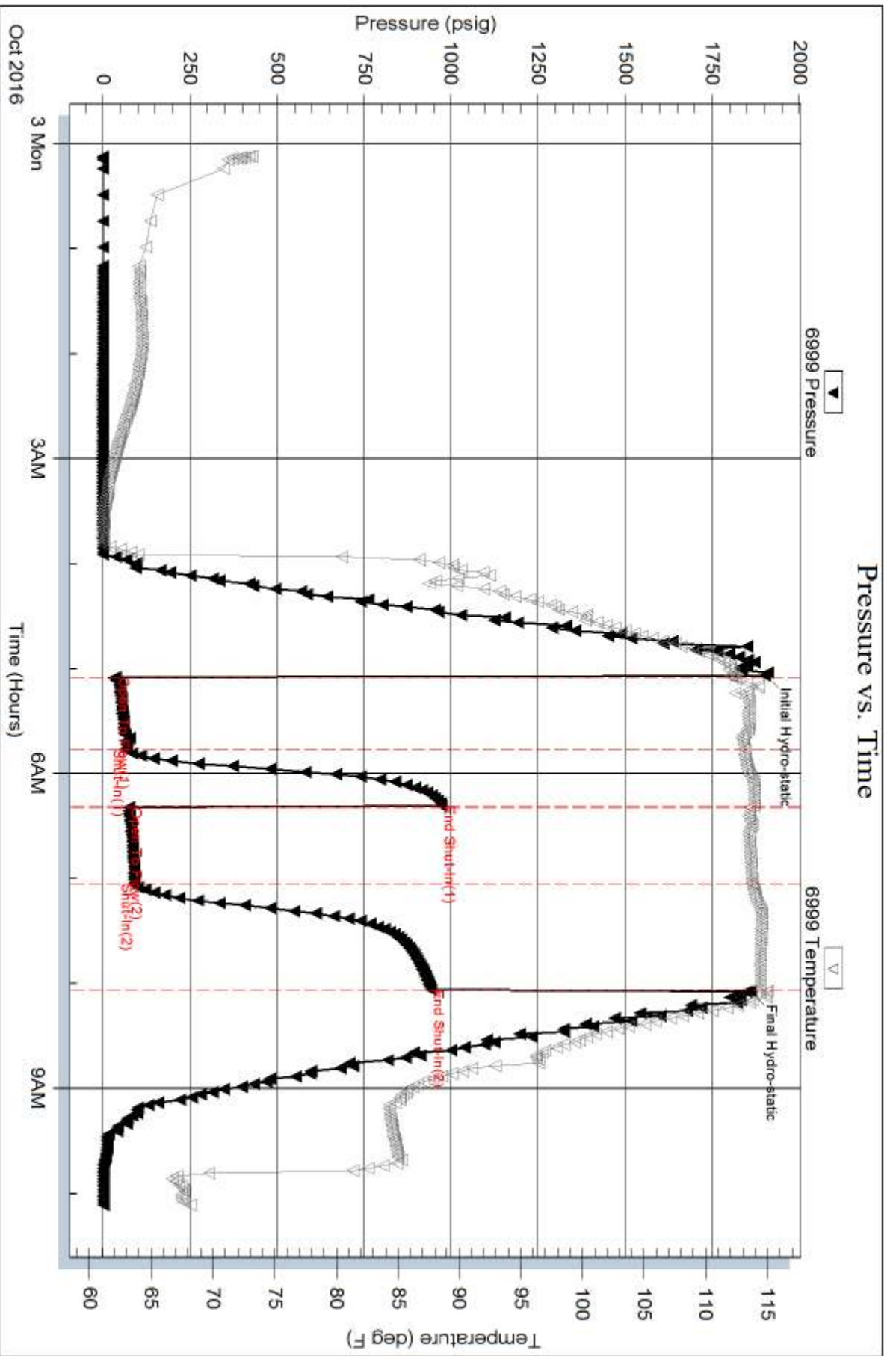
Num Gas Bombs: 0

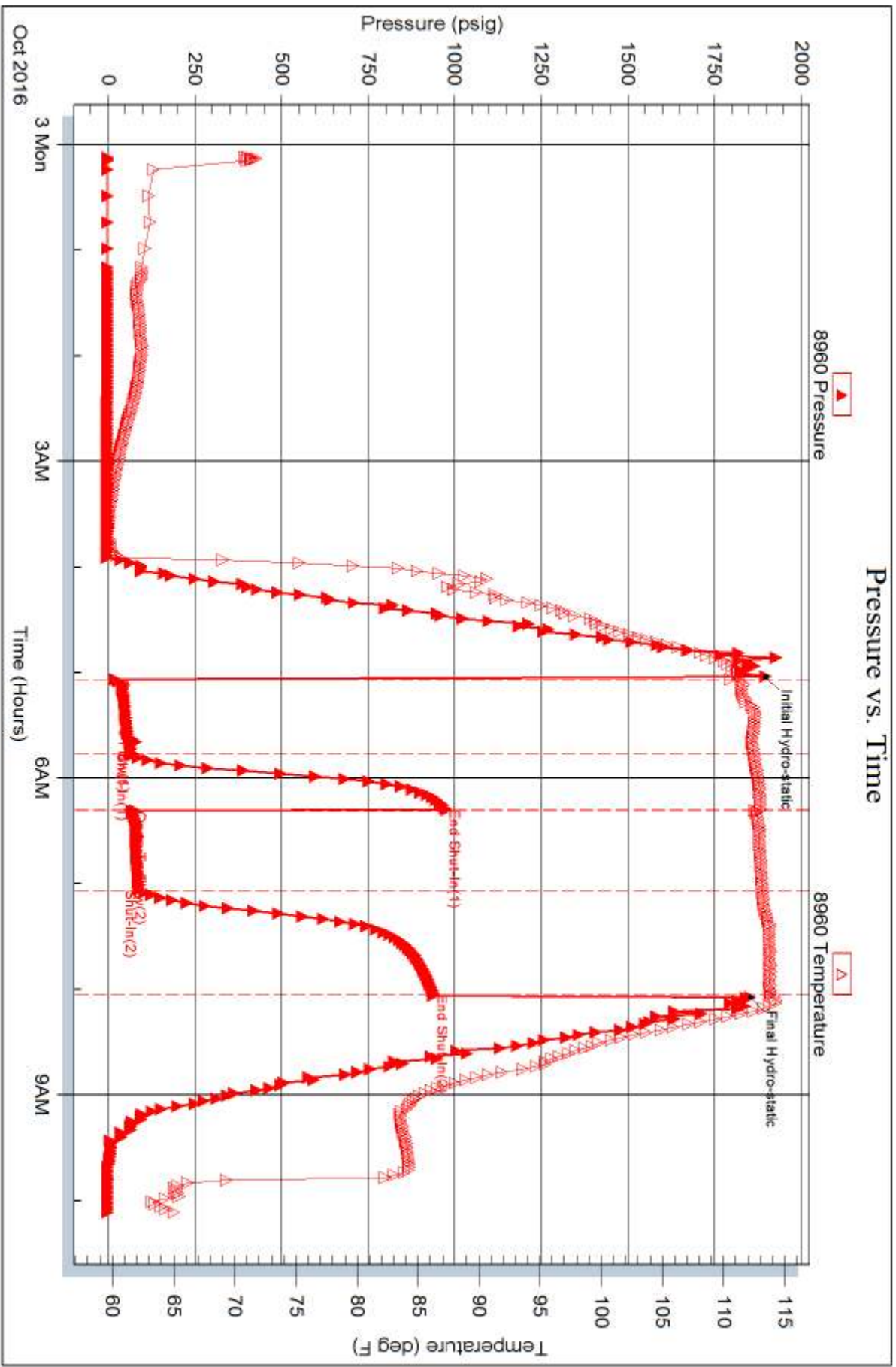
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







Serial #: 6999

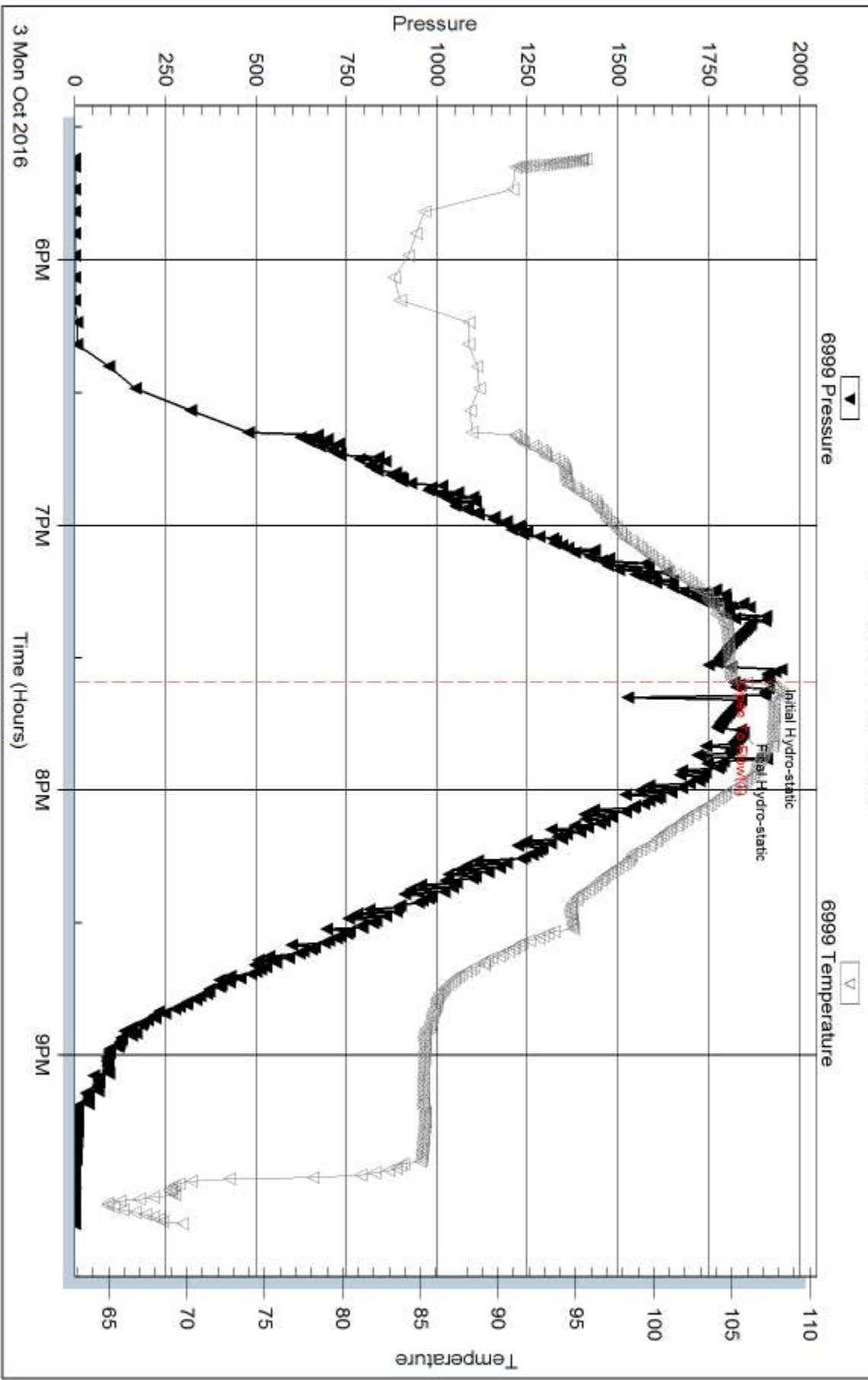
Inside

O'Brien Resources LLC

Jechta 4#2

DST Test Number: 3

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 61929

Printed: 2016, 10, 04 @ 06:06:14





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

O'Brien Resources LLC  
 PO Box 6149  
 Shreveport, LA 71136+6149  
 ATTN: Wyatt Urban

**4/19S/17W/Rush**  
**Jecha 4 #2**  
 Job Ticket: 61930 **DST#: 4**  
 Test Start: 2016.10.03 @ 22:08:00

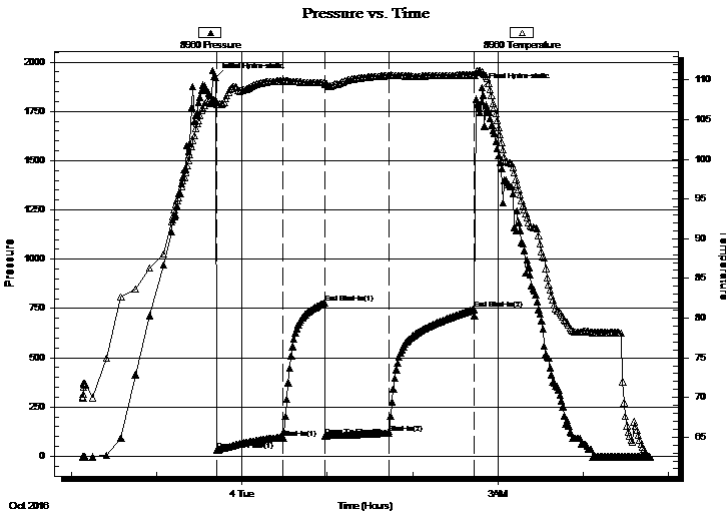
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 23:43:30 Tester: Ken Swinney  
 Time Test Ended: 04:47:00 Unit No: 72 Great Bend/56  
 Interval: **3723.00 ft (KB) To 3852.00 ft (KB) (TVD)** Reference Elevations: 2087.00 ft (KB)  
 Total Depth: 38552.00 ft (KB) (TVD) 2074.00 ft (CF)  
 Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

**Serial #: 8960 Outside**  
 Press@RunDepth: 745.58 psig @ 3848.91 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.10.03 End Date: 2016.10.04 Last Calib.: 2016.10.04  
 Start Time: 22:08:05 End Time: 04:46:29 Time On Btm: 2016.10.03 @ 23:41:30  
 Time Off Btm: 2016.10.04 @ 02:49:00

**TEST COMMENT:** I.F. 45 minutes/ Blow built to 11 inches  
 I.S.I. 30 minutes/Light surface blow back  
 F.F. 45 minutes/ Blow built to 7 inches  
 F.S.I. 60 minutes/ No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.16	107.50	Initial Hydro-static
1	30.14	106.92	Open To Flow (1)
48	94.06	109.88	Shut-In(1)
77	777.94	109.73	End Shut-In(1)
77	101.68	109.47	Open To Flow (2)
122	117.54	110.57	Shut-In(2)
182	745.58	110.67	End Shut-In(2)
188	1869.46	110.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	Oil cut Watery Mud	0.96
0.00	Oil 2% Water 18% Mud 80%	0.00
62.00	Clean Oil 100%	0.87

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

OBrien Resources LLC

**4/19S/17W/Rush**

PO Box 6149  
Shreveport, LA 71136+6149

**Jecha 4 #2**

Job Ticket: 61930

**DST#: 4**

ATTN: Wyatt Urban

Test Start: 2016.10.03 @ 22:08:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

45 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

13000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Oil cut Watery Mud	0.958
0.00	Oil 2% Water 18% Mud 80%	0.000
62.00	Clean Oil 100%	0.870

Total Length: 248.00 ft      Total Volume: 1.828 bbl

Num Fluid Samples: 0

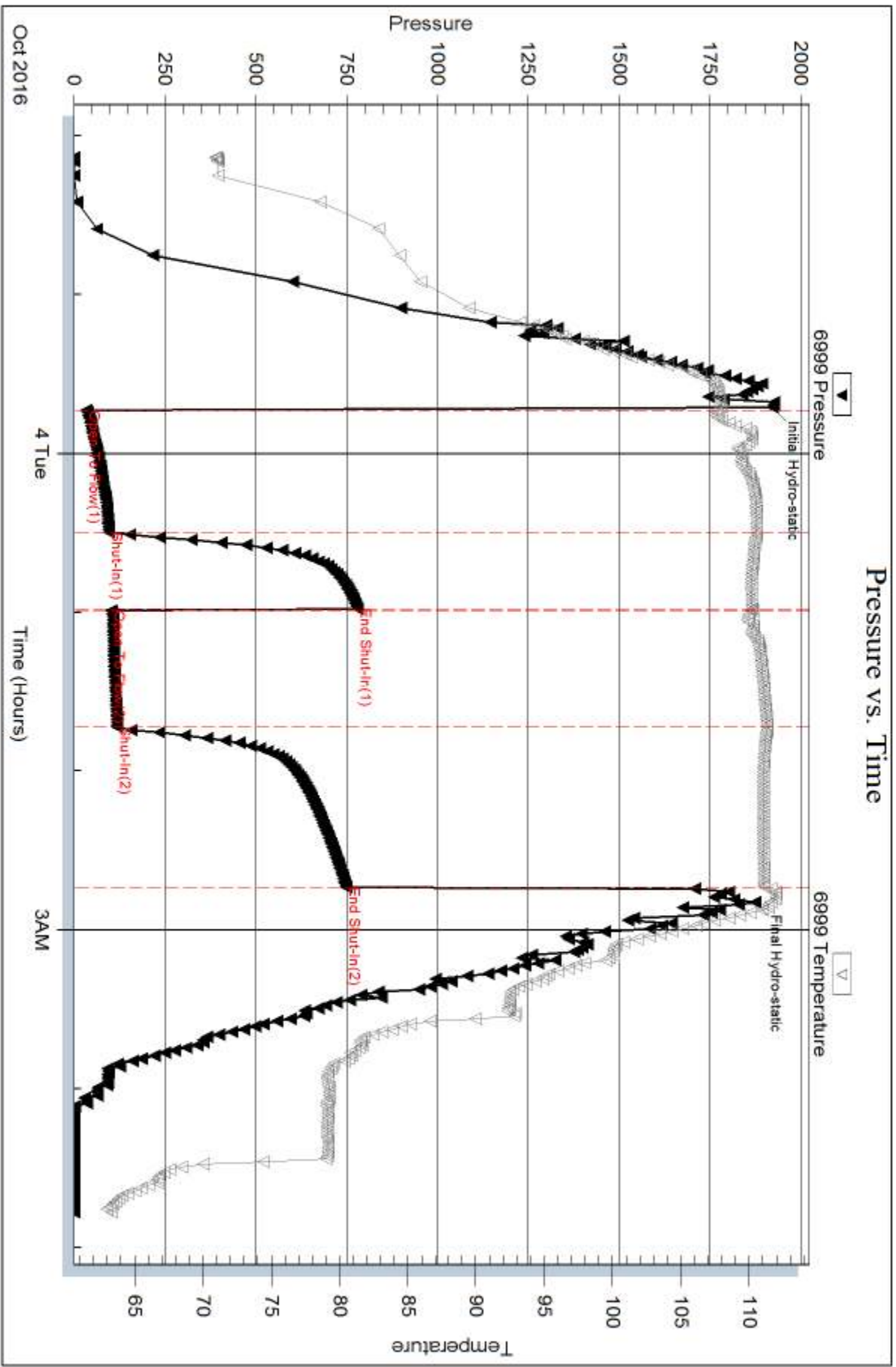
Num Gas Bombs: 0

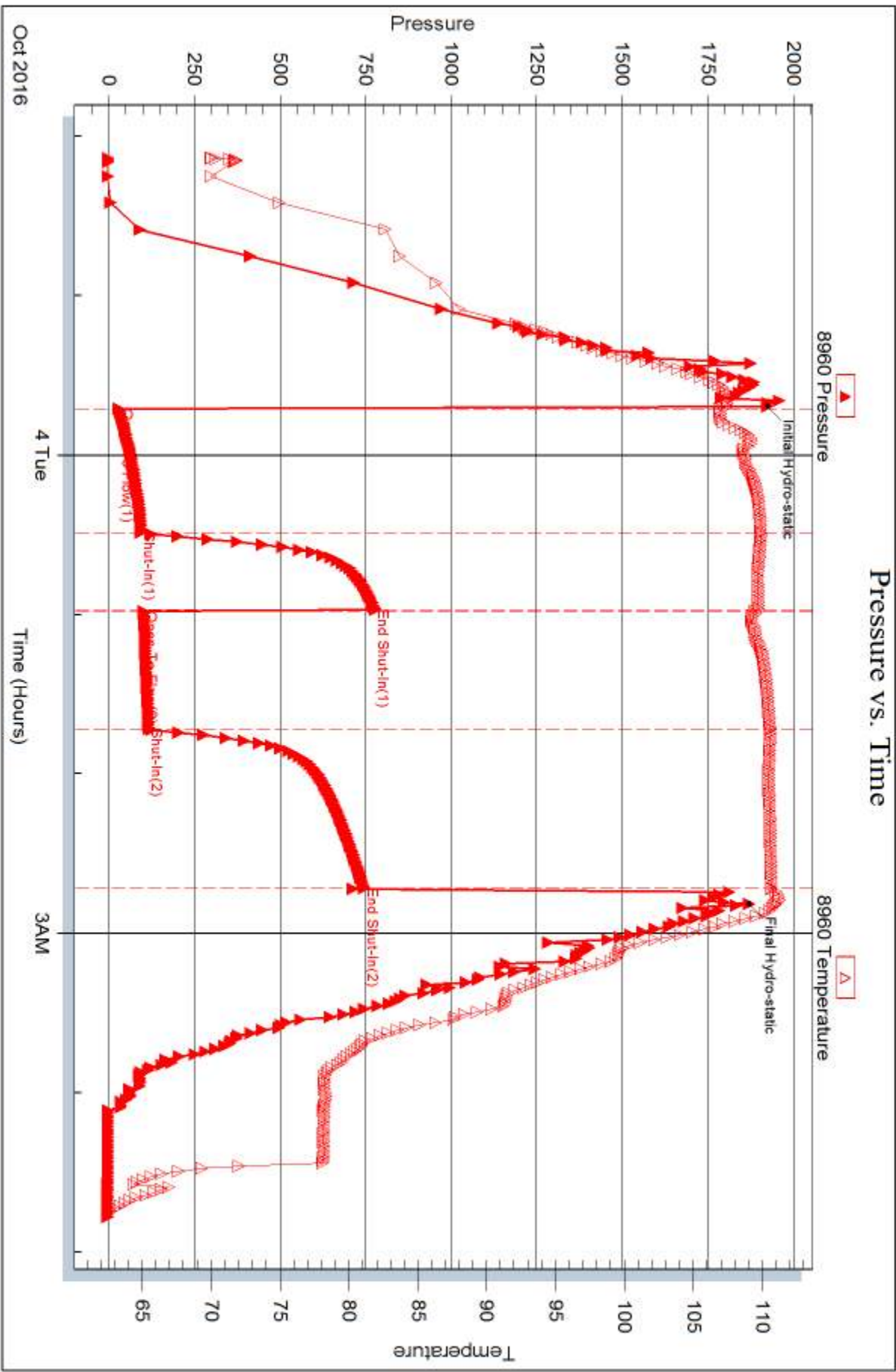
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .53 ohms @ 67 deg





# QUALITY OILWELL CEMENTING, INC.

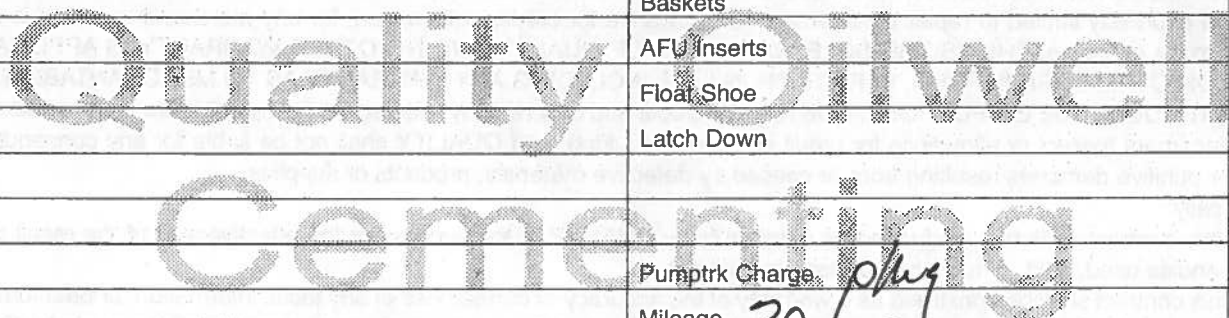
Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3019

Date	10-5-16	Sec.	4	Twp.	19	Range	17	County	Rush	State	Ks	On Location		Finish	4:00 AM
Lease								Location		Timken, Ks - 1W, 2S, 1/2 W, S into					
Techa 4				Well No.				2							
Contractor				Duke #7				Owner							
Type Job				Plug				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size				7 7/8"				T.D.				3907'			
Csg.								Depth				3840'			
Tbg. Size				4 1/2" D.P.				Depth							
Tool								Depth							
Cement Left in Csg.								Shoe Joint							
Meas Line				Displace				H2O/mud				Cement Amount Ordered			
												250 60/40 40% gel 1/4# Flowseal			
<b>EQUIPMENT</b>								Common							
Pumptrk 18				No. Cementer Helper				Rick				150			
Bulktrk 4				No. Driver				Billy				100			
Bulktrk				No. Driver								9			
												Calcium			
<b>JOB SERVICES &amp; REMARKS</b>								Hulls							
Remarks:				3840' - 50 SX				Salt							
Rat Hole				1230' - 50 SX				Flowseal				60#			
Mouse Hole				480' - 30 SX				Kol-Seal							
Centralizers				300' - 50 SX				Mud CLR 48							
Baskets				60' - 20 SX				CFL-117 or CD110 CAF 38							
D/V or Port Collar				Rat Hole - 30 SX				Sand							
				Mass hole - 20 SX				Handling				239			
				Cement did Circulate				Mileage							
<b>FLOAT EQUIPMENT</b>								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								30 plug							
								Tax							
								Discount							
								Total Charge							
X Signature															



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3012

Date	9-27-16	Séc.	4	Twp.	19	Range	17	County	Rush	State	Ks	On Location		Finish	1:30 AM
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Lease Jecha 4 Well No. 2 Location Timken, Ks - 1W, 2S, 3/4 W, S/S

Contractor	<u>Duke #17</u>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job	<u>Surface</u>	Charge To	<u>O'Brian Resources</u>

Hole Size	<u>D 1/4"</u>	T.D.	<u>270'</u>	Street	
Csg.	<u>8 5/8"</u>	Depth	<u>268'</u>	City	

Tbg. Size		Depth		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	

Cement Left in Csg.	<u>15'</u>	Shoe Joint	<u>15'</u>	Cement Amount Ordered	<u>185 Com 3% CC 2% Gel</u>
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Meas Line		Displace	<u>16 BLS</u>		
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**EQUIPMENT**

Pumptrk	<u>18</u> No.	Cementer	<u>Rock</u>	Common	<u>185'</u>
Bulktrk	<u>15</u> No.	Helper		Poz. Mix	
Bulktrk	No.	Driver	<u>Brett</u>	Gel.	<u>3</u>
Bulktrk	No.	Driver		Calcium	<u>6</u>

**JOB SERVICES & REMARKS**

Remarks:	<u>Cement did Circulate</u>	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	

Handling 194

Mileage

**FLOAT EQUIPMENT**

- Guide Shoe
- Centralizer
- Baskets
- AFU Inserts
- Float Shoe
- Latch Down

Pumptrk Charge Surface

Mileage 30

Tax  
Discount  
Total Charge

X Signature [Signature]

