

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 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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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaour Exploration & Production LLC

30/2s/27w Decatur KS

555 N Carancahua STE 1230
Corpus Christi TX 78401

Cook #1-30

Job Ticket: 65587

DST#: 1

ATTN: Larry Nicholson

Test Start: 2019.09.29 @ 01:08:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:57:00

Time Test Ended: 08:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

Interval: 3584.00 ft (KB) To 3643.00 ft (KB) (TVD)

Reference Elevations: 2640.00 ft (KB)

Total Depth: 3643.00 ft (KB) (TVD)

2635.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8652 Outside

Press@RunDepth: 561.72 psig @ 3585.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.09.29 End Date: 2019.09.29

Last Calib.: 2019.09.29

Start Time: 01:08:05 End Time: 08:32:59

Time On Btm: 2019.09.29 @ 02:56:45

Time Off Btm: 2019.09.29 @ 05:47:15

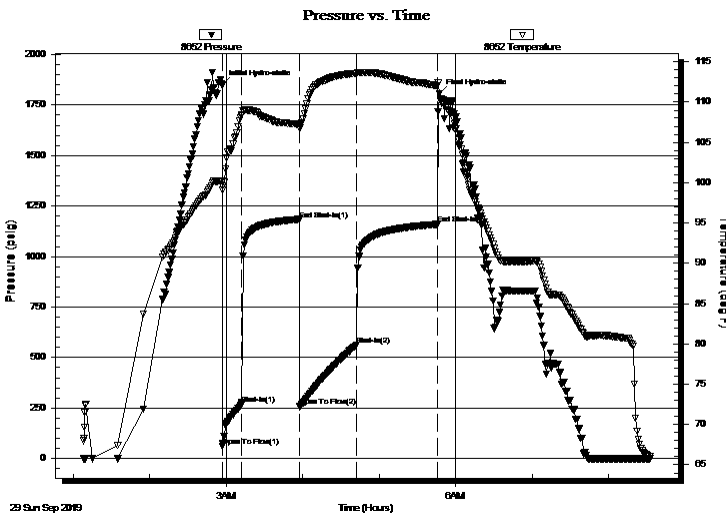
TEST COMMENT: 15 - IF: Blow built to BOB (11") at 3 1/2 min., built to 41 1/4"

45 - IS: No blow back

45 - FF: Blow built to BOB at 4 min., built to 100 1/2"

60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.42	100.18	Initial Hydro-static
1	61.27	99.06	Open To Flow (1)
16	266.49	108.32	Shut-In(1)
61	1183.83	107.23	End Shut-In(1)
61	256.56	106.75	Open To Flow (2)
106	561.72	113.54	Shut-In(2)
169	1159.58	112.05	End Shut-In(2)
171	1806.64	111.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	SMCW 94%w, 6%m	4.39
715.00	MCW 78%w, 22%m	10.03
0.00	Trace of oil in tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaur Exploration & Production LLC

30/2s/27w Decatur KS

555 N Carancahua STE 1230
Corpus Christi TX 78401

Cook #1-30

Job Ticket: 65587

DST#: 1

ATTN: Larry Nicholson

Test Start: 2019.09.29 @ 01:08:00

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:

31000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	SMCW 94%w , 6%m	4.392
715.00	MCW 78%w , 22%m	10.030
0.00	Trace of oil in tool	0.000

Total Length: 1145.00 ft Total Volume: 14.422 bbl

Num Fluid Samples: 0

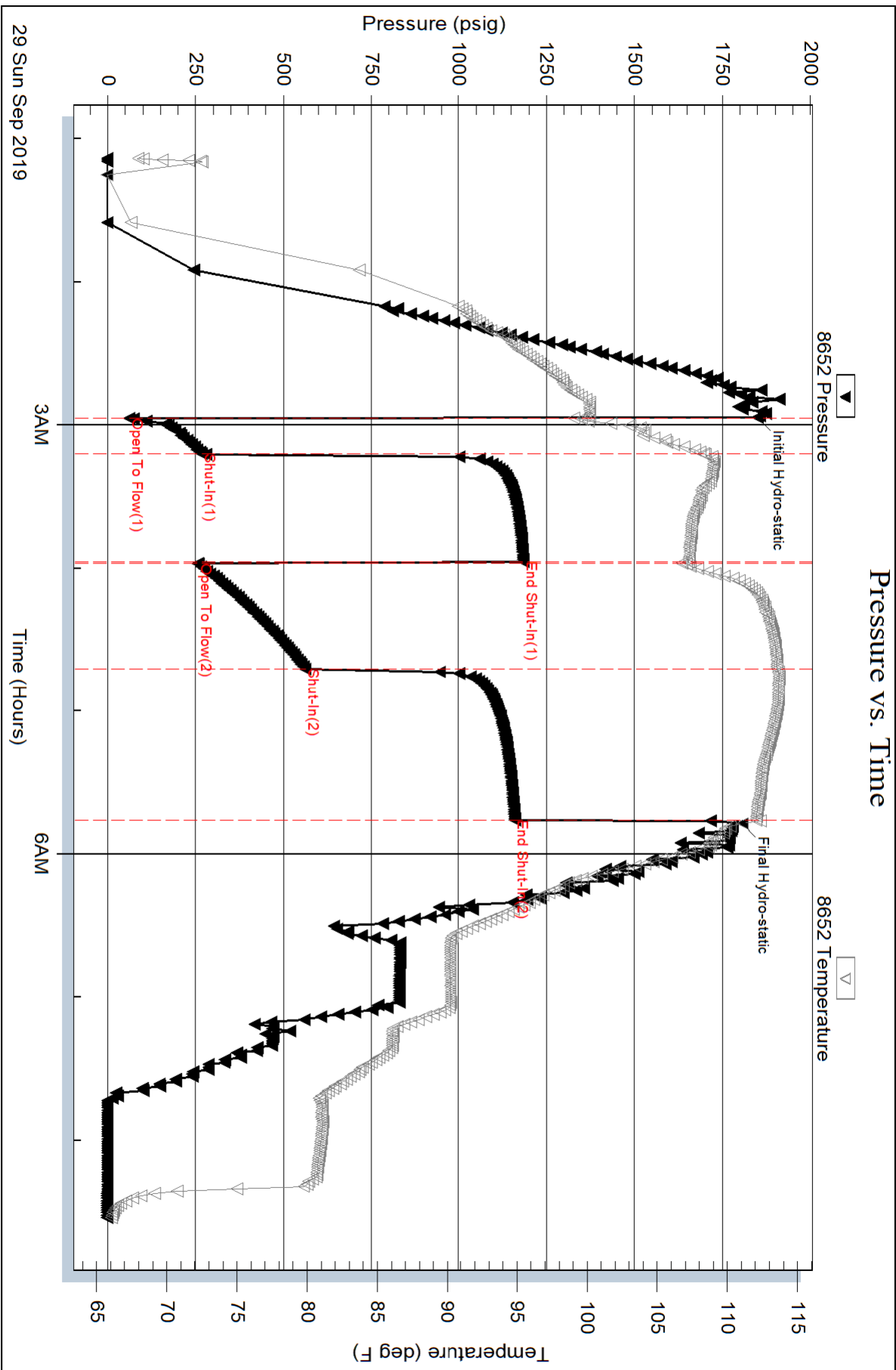
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .241 ohms @ 66.7 deg F Chlorides = 31,000 ppm



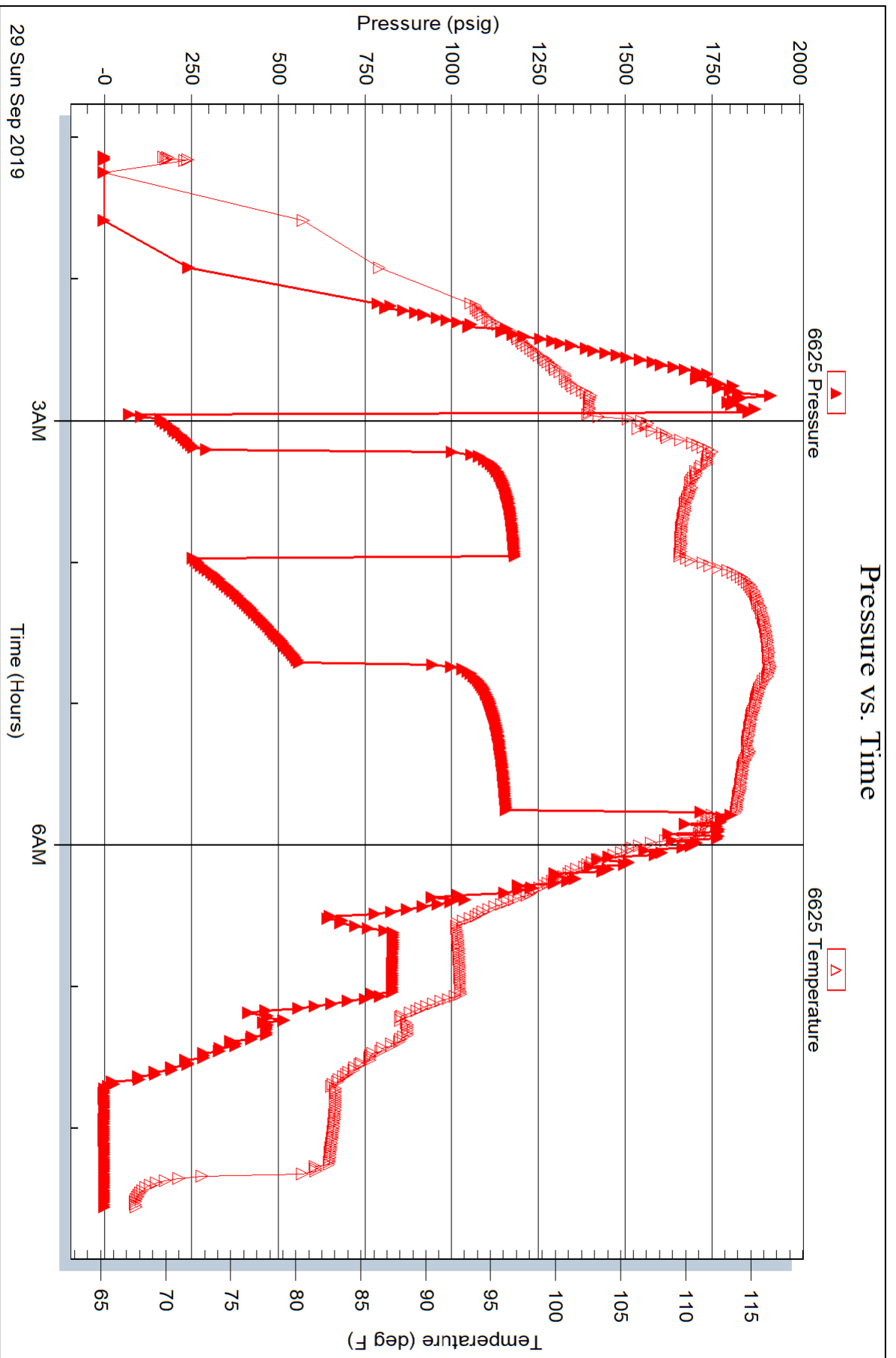
Serial #: 6625

Inside

Suenaur Exploration & Production LLC

Cook #1-30

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suema Exploration & Production LLC

30/2s/27w Decatur KS

555 N Carancahua STE 1230
Corpus Christi TX 78401

Cook #1-30

Job Ticket: 65588

DST#: 2

ATTN: Larry Nicholson

Test Start: 2019.09.29 @ 12:48:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:38:45

Time Test Ended: 19:05:45

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 3623.00 ft (KB) To 3643.00 ft (KB) (TVD)

Reference Elevations: 2640.00 ft (KB)

Total Depth: 3643.00 ft (KB) (TVD)

2635.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8652 Outside

Press@RunDepth: 374.69 psig @ 3624.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.09.29 End Date: 2019.09.29

Last Calib.: 2019.09.29

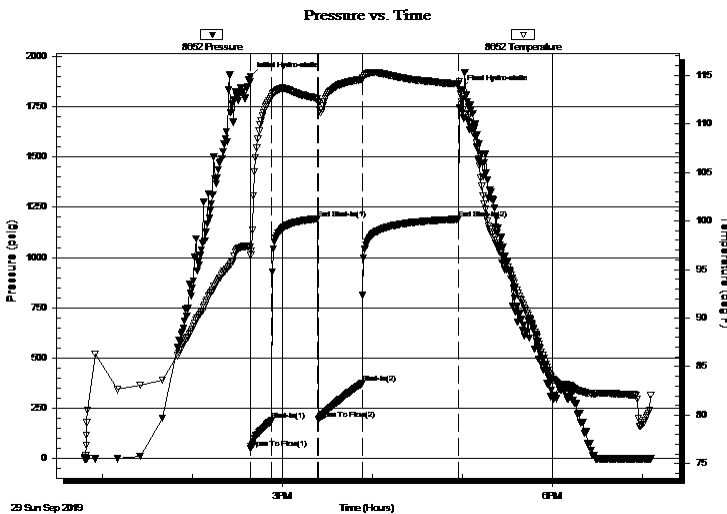
Start Time: 12:48:05 End Time: 19:05:44

Time On Btm: 2019.09.29 @ 14:38:30

Time Off Btm: 2019.09.29 @ 16:58:45

TEST COMMENT: 15 - IF: Blow built to BOB (11") at 5 3/4 min., built to 30"
30 - IS: Weak surface blow back
30 - FF: Blow built to BOB at 5 3/4 min., built to 51"
60 - FS: Blow back built to 1/4"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1899.01	97.36	Initial Hydro-static
1	50.36	96.48	Open To Flow (1)
14	188.56	112.75	Shut-In(1)
45	1192.52	112.60	End Shut-In(1)
46	195.44	112.30	Open To Flow (2)
75	374.69	114.57	Shut-In(2)
139	1190.60	114.11	End Shut-In(2)
141	1834.60	113.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	VSMCW 97%w, 3% m	3.62
250.00	SMCW 90%w, 10% m	3.51
130.00	MCW 71%w, 29% m	1.82
0.00	Trace of oil in tool	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaer Exploration & Production LLC

30/2s/27w Decatur KS

555 N Carancahua STE 1230
Corpus Christi TX 78401

Cook #1-30

Job Ticket: 65588

DST#: 2

ATTN: Larry Nicholson

Test Start: 2019.09.29 @ 12:48:00

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:

36000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
375.00	VSMCW 97%w , 3%m	3.621
250.00	SMCW 90%w , 10%m	3.507
130.00	MCW 71%w , 29%m	1.824
0.00	Trace of oil in tool	0.000

Total Length: 755.00 ft Total Volume: 8.952 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

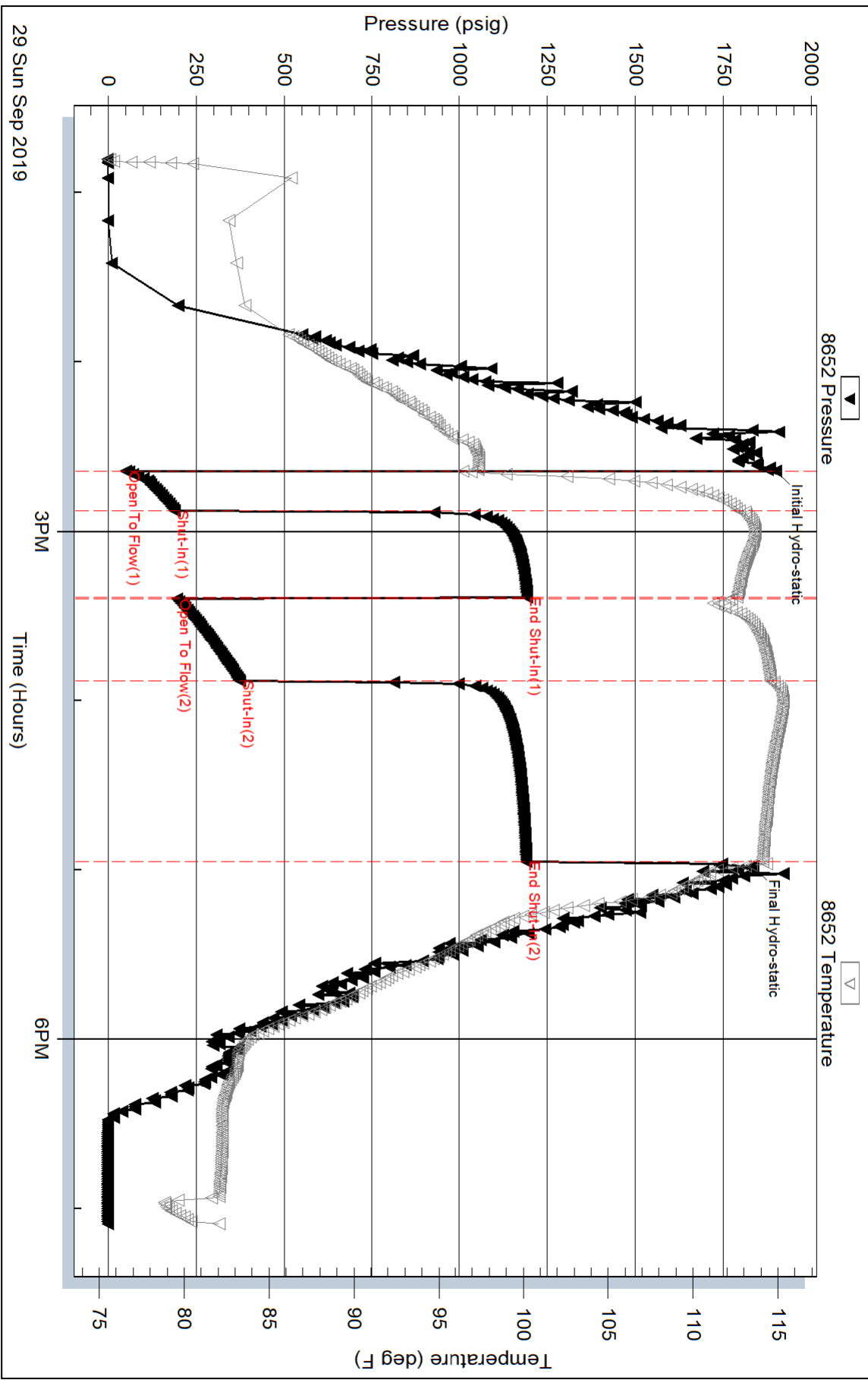
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .169 ohms @ 83.3 deg F Chlorides = 36,000 ppm

Pressure vs. Time



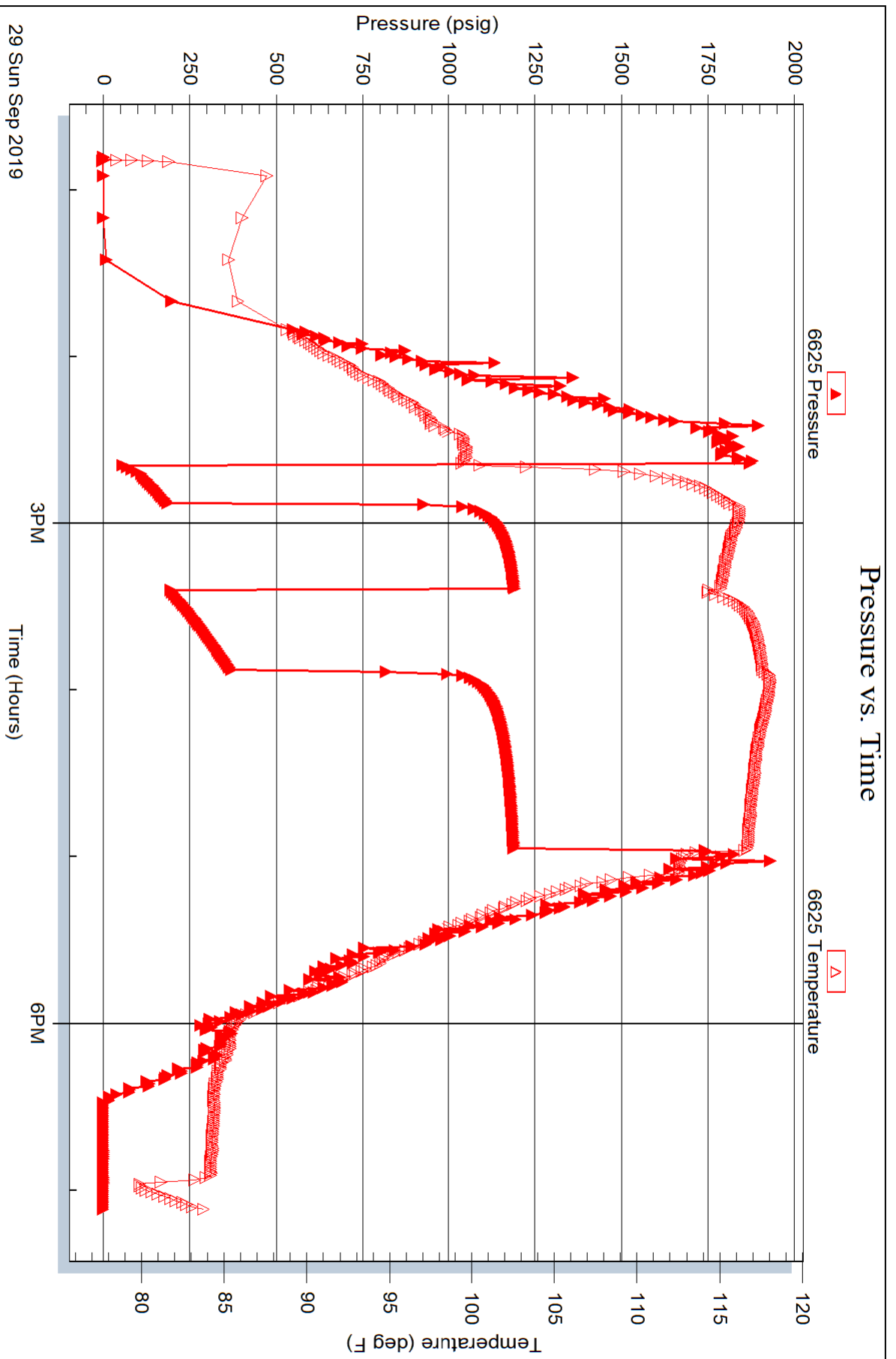
Serial #: 6625

Inside

Suenaar Exploration & Production LLC

Cook #1-30

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Suemaour Exploration & Production LLC

30/2s/27w Decatur KS

555 N Carancahua STE 1230
Corpus Christi TX 78401

Cook #1-30

Job Ticket: 65589

DST#: 3

ATTN: Larry Nicholson

Test Start: 2019.09.30 @ 01:33:00

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:58:45

Time Test Ended: 07:45:15

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 3647.00 ft (KB) To 3659.00 ft (KB) (TVD)

Reference Elevations: 2640.00 ft (KB)

Total Depth: 3659.00 ft (KB) (TVD)

2635.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8652 Outside

Press@RunDepth: 24.80 psig @ 3648.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.09.30

End Date:

2019.09.30

Last Calib.:

2019.09.30

Start Time:

01:33:05

End Time:

07:45:14

Time On Btm:

2019.09.30 @ 02:58:30

Time Off Btm:

2019.09.30 @ 06:04:15

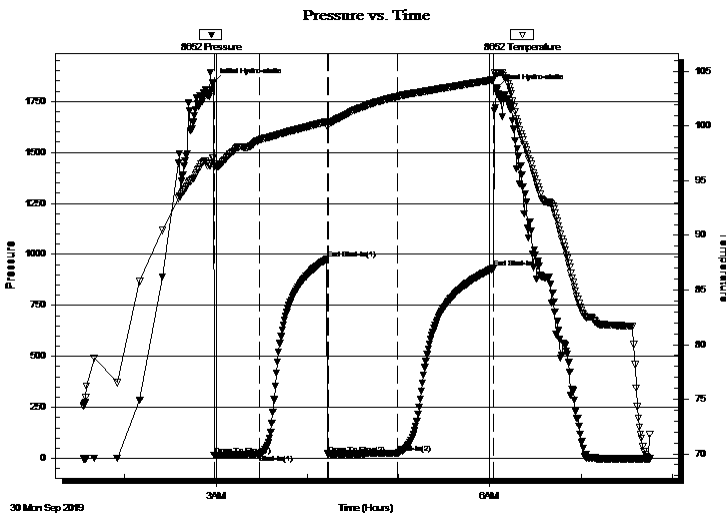
TEST COMMENT: 30 - IF: Blow built to 3/4"

45 - IS: No blow back

45 - FF: Surface blow through open, built slightly

60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.66	97.14	Initial Hydro-static
1	15.37	96.29	Open To Flow (1)
30	20.65	98.73	Shut-In(1)
75	978.19	100.41	End Shut-In(1)
76	21.26	100.26	Open To Flow (2)
121	24.80	102.70	Shut-In(2)
184	932.50	104.24	End Shut-In(2)
186	1814.16	104.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WOCM 83% _m , 10% _o , 7% _w	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaer Exploration & Production LLC

30/2s/27w Decatur KS

555 N Carancahua STE 1230
Corpus Christi TX 78401

Cook #1-30

Job Ticket: 65589

DST#: 3

ATTN: Larry Nicholson

Test Start: 2019.09.30 @ 01:33:00

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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	WOCM 83% _m , 10% _o , 7% _w	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

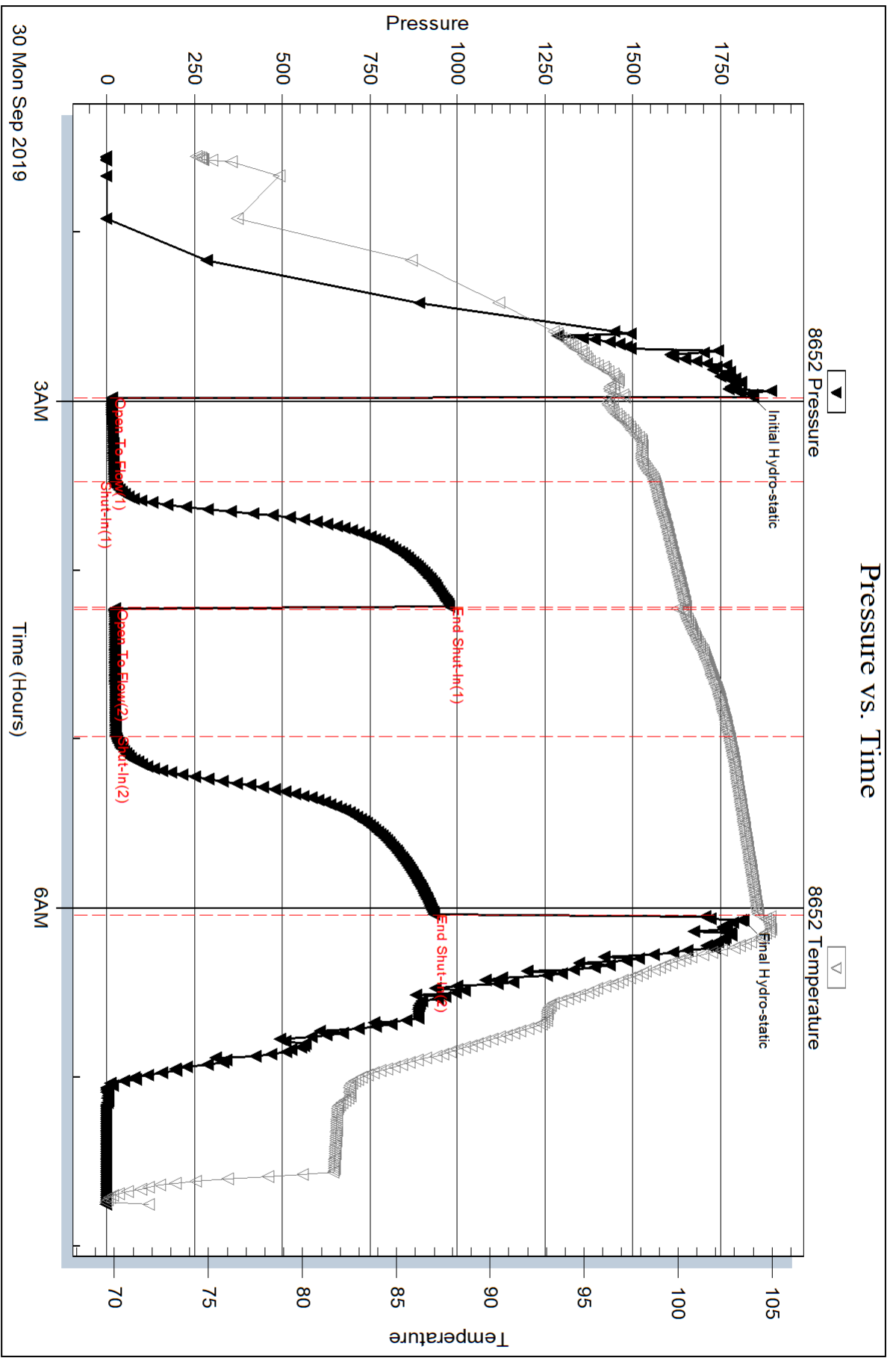
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



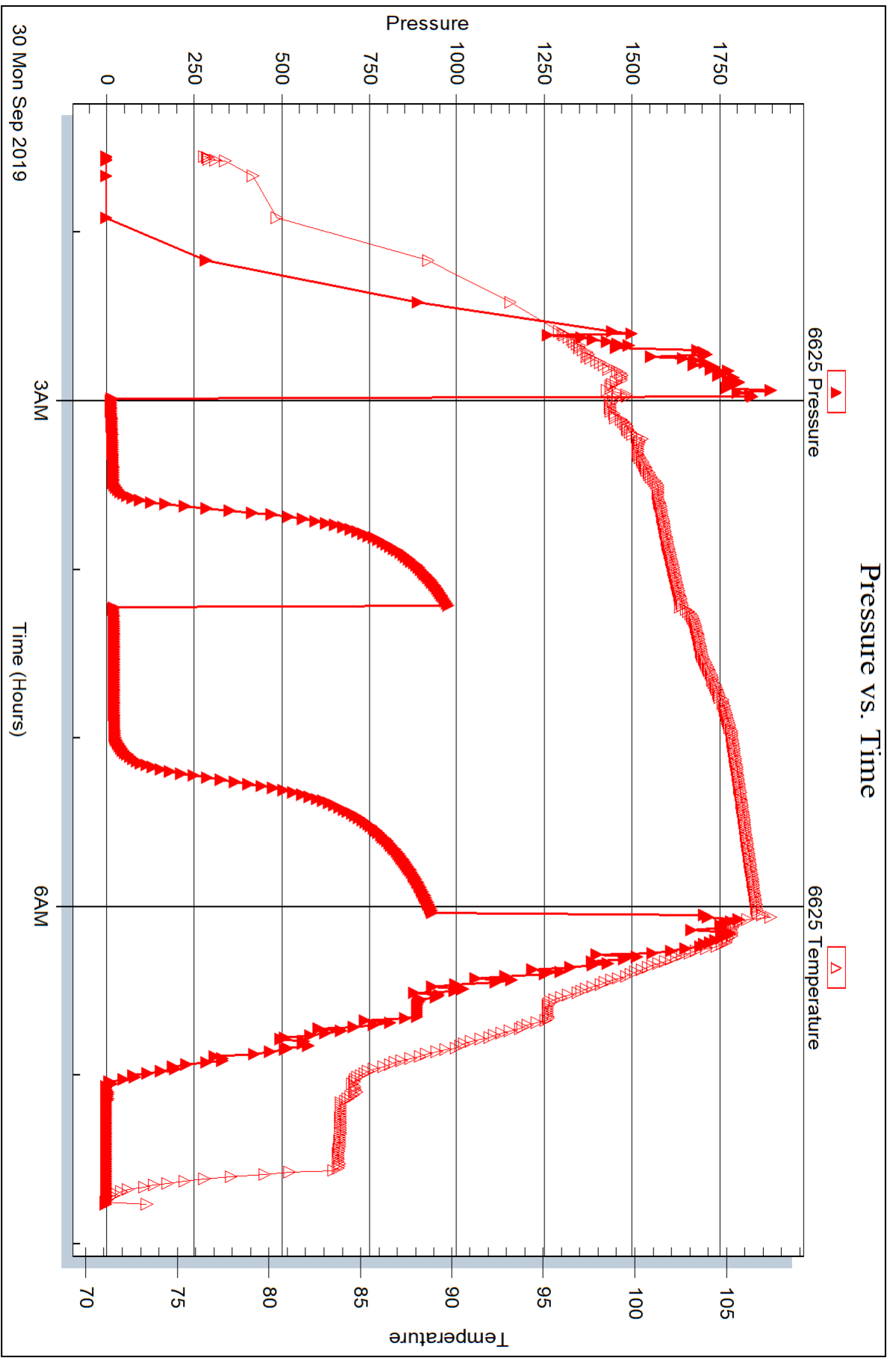
Serial #: 6625

Inside

Suenaar Exploration & Production LLC

Cook #1-30

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65589

Printed: 2019.09.30 @ 09:24:14

