

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 Recompletion Date _____ 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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Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:

L&J OIL PROPERTIES INC
 1700 N WATERFRONT PKWY
 BLDG 300B, SUITE B
 WICHITA, KS 67206-6628

Invoice Date: 1/14/2021
 Invoice #: 0351143
 Lease Name: Henry Burmeister
 Well #: 5-2
 County: Barton, Ks
 Job Number: WP1092
 District: Pratt

Date/Description	HRS/QTY	Rate	Total
H-Lite	125.000	10.400	1,300.00
Cement Pozmix 60/40	125.000	10.400	1,300.00
Calcium Chloride	651.000	0.600	390.60
Cello Flake	63.000	1.400	88.20
Light Eq Mileage	25.000	1.600	40.00
Heavy Eq Mileage	25.000	3.200	80.00
Ton Mileage	271.000	1.200	325.20
Cement Pump Service	1.000	600.000	600.00

Total 4,124.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!



Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 L&J OIL PROPERTIES INC
 1700 N WATERFRONT PKWY
 BLDG 300B, SUITE B
 WICHITA, KS 67206-6628

Invoice Date: 1/20/2021
 Invoice #: 0351277
 Lease Name: Henry Burmeister
 Well #: 5-2 (New)
 County: Barton, Ks
 Job Number: WP1110
 District: Pratt

Date/Description	HRS/QTY	Rate	Total
5 1/2" Longstring	0.000	0.000	0.00
H-LD Cement Blend	150.000	38.600	5,790.00
H-Plug	30.000	10.400	312.00
Type A Packer shoe 5 1/2"	1.000	1,256.000	1,256.00
5 1/2" LD Plug & Baffle	1.000	280.000	280.00
Cement baskets 5 1/2"	1.000	240.000	240.00
5 1/2" Turbolizers	6.000	64.000	384.00
Mud flush	1,000.000	0.800	800.00
Light Eq Mileage	25.000	1.600	40.00
Heavy Eq Mileage	25.000	3.200	80.00
Heavy Eq Mileage	209.000	1.200	250.80
Ton Mileage	1.000	1,200.000	1,200.00
Cement Plug Container	1.000	200.000	200.00

Total 10,832.80

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!



Customer: L&J OIL PROPERTIES INC		Lease & Well #: HENRY BURMEISTER 6-2		Date: 1/20/2021	
Service District: PRATT		County & State: BARTON KS		Legals: S/T/R: 2-178-11W	
Job Type: 5,8 LONGSTRING <input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No		Job #: WP1110	
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
812	MATTAL	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
179/822	OSBORN	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
181/832	WHITFIELD	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
Comments					
Product/Service Code	Description	Unit of Measure	Quantity		Net Amount
CP014	H-LD Cement Blend	sack	150.00		\$5,780.00
CP055	H-Plug	sack	30.00		\$312.00
FE175	5 1/2" Type A Packer Shoe	ea	1.00		\$1,256.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00		\$280.00
FE130	5 1/2" Cement Basket	ea	1.00		\$240.00
FE135	5 1/2" Turbolizer	ea	6.00		\$384.00
CP170	Mud Flush	gal	1,000.00		\$800.00
M015	Light Equipment Mileage	mi	25.00		\$40.00
M010	Heavy Equipment Mileage	mi	25.00		\$80.00
M020	Ton Mileage	tm	209.00		\$260.80
C015	Cement Pump Service	ea	1.00		\$1,200.00
C050	Cement Plug Container	job	1.00		\$200.00
Customer Section: On the following scale, how would you rate Hurricane Services, Inc.?					Net: \$10,832.80
Based on this job, how likely is it you would recommend HSI to a colleague?			Total Taxable	\$ -	Tax Rate:
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <small>Extremely Likely</small>			State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		Sale Tax: \$ -
					Total: \$ 10,832.80
			HSI Representative: <i>Mike Mattal</i>		

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to effect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

L & J Properties
9330 E Central Ave Ste 300
Wichita Ks, 67206
ATTN: Ken Leblanc

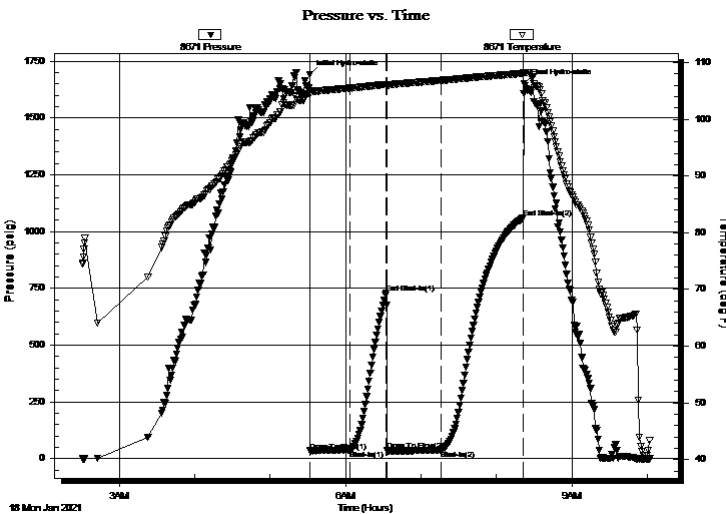
2 - 17S - 11W
Henry Burmeister#5-2
Job Ticket: 47684 **DST#: 1**
Test Start: 2021.01.18 @ 02:31:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:32:00
Time Test Ended: 10:01:45
Interval: **3326.00 ft (KB) To 3350.00 ft (KB) (TVD)**
Total Depth: 3350.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77
Reference Elevations: 1923.00 ft (KB)
1915.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8671 Outside
Press@RunDepth: 36.51 psig @ 3327.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.01.18 End Date: 2021.01.18 Last Calib.: 2021.01.18
Start Time: 02:31:05 End Time: 10:01:44 Time On Btm: 2021.01.18 @ 05:31:45
Time Off Btm: 2021.01.18 @ 08:22:15

TEST COMMENT: 30 - IF - Chased tool 8' to bottom blow started at 1/4" then died to a weak surface blow
30 - ISI - No Return
30 - FF - No Blow - w ent to shut tool in and the rig died, tool stayed open 15 mins. extra
30 - FSI - No Return - Crew w as still w orking on the alternator, tool w as on bottom 15 mins. longer



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1691.69	105.08	Initial Hydro-static
1	33.90	104.63	Open To Flow (1)
32	35.64	105.48	Shut-In(1)
61	730.51	106.15	End Shut-In(1)
62	35.06	105.92	Open To Flow (2)
105	36.51	106.86	Shut-In(2)
170	1059.51	108.06	End Shut-In(2)
171	1651.68	108.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM - Oil Spots - 100%m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

L & J Properties

2 - 17S - 11W

9330 E Central Ave Ste 300
Wichita Ks, 67206

Henry Burmeister#5-2

Job Ticket: 47684

DST#: 1

ATTN: Ken Leblanc

Test Start: 2021.01.18 @ 02:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM - Oil Spots - 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

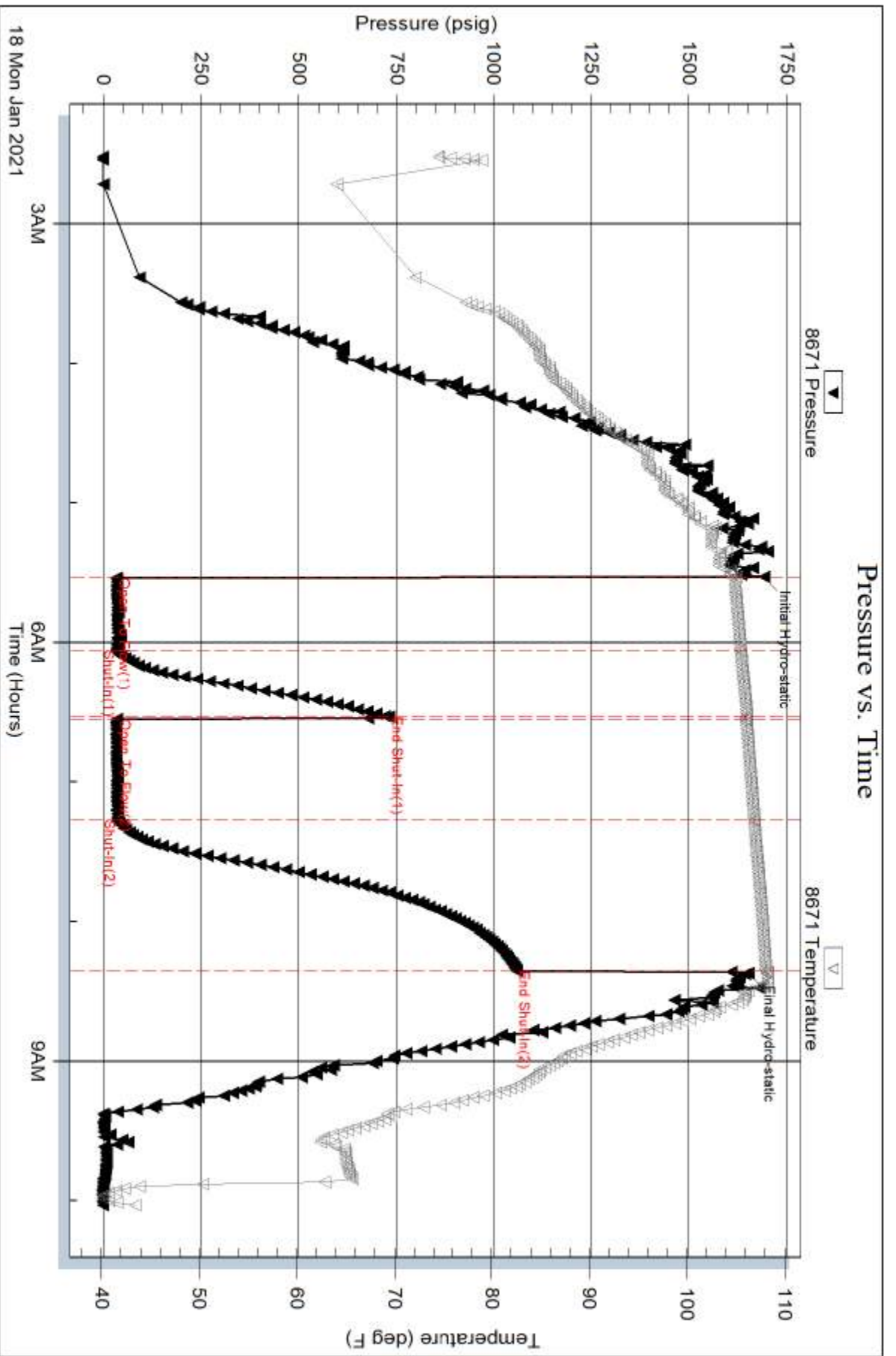
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



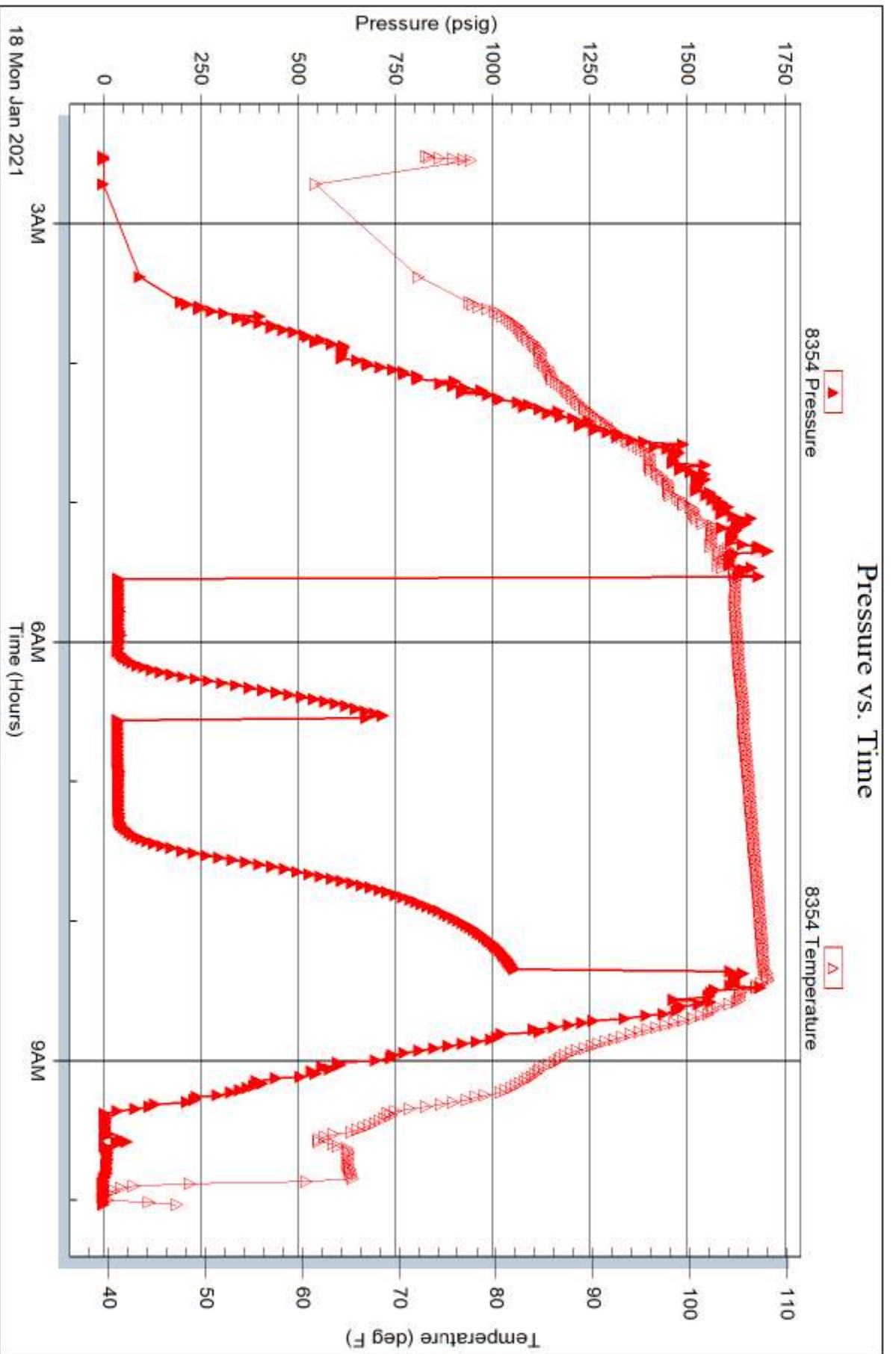
Serial #: 8354

Inside

L & J Properties

Henry Burneister#5-2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 47684

Printed: 2021.01.18 @ 13:37:19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

L & J Properties
9330 E Central Ave Ste 300
Wichita Ks, 67206
ATTN: Ken Leblanc

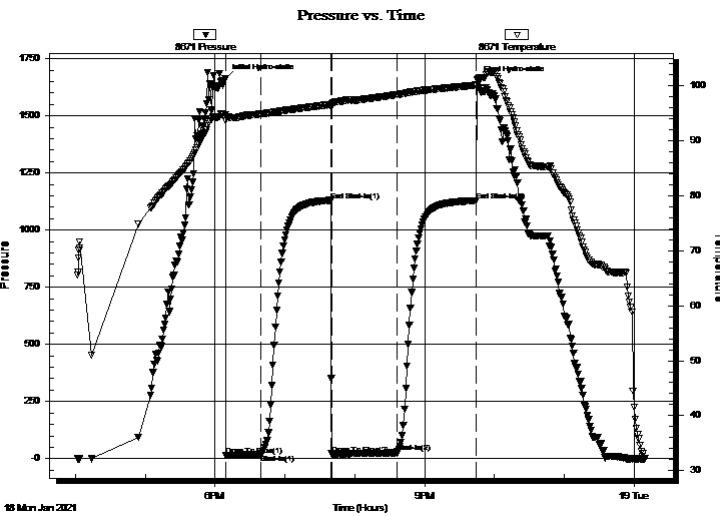
2 - 17S - 11W
Henry Burmeister#5-2
Job Ticket: 47685 **DST#: 2**
Test Start: 2021.01.18 @ 16:02:00

GENERAL INFORMATION:

Formation: **Arbuckle Dolomite**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:09:00
Time Test Ended: 00:09:00
Interval: **3327.00 ft (KB) To 3355.00 ft (KB) (TVD)**
Total Depth: 3355.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77
Reference Elevations: 1923.00 ft (KB)
1915.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8671 Outside
Press@RunDepth: 26.09 psig @ 3328.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.01.18 End Date: 2021.01.19 Last Calib.: 2021.01.19
Start Time: 16:02:05 End Time: 00:08:59 Time On Btm: 2021.01.18 @ 18:08:45
Time Off Btm: 2021.01.18 @ 21:44:45

TEST COMMENT: 30 - IF - Started with a weak blow and slowly built up to 1"
60 - ISI - No Return
60 - FF - Started with a weak surface blow and slowly built up to 1"
60 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1664.30	94.78	Initial Hydro-static
1	15.41	93.66	Open To Flow (1)
31	17.66	94.93	Shut-In(1)
91	1130.32	96.63	End Shut-In(1)
92	20.86	96.36	Open To Flow (2)
148	26.09	98.43	Shut-In(2)
215	1127.85	100.15	End Shut-In(2)
216	1655.91	101.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WMCO - 10%w - 40%m - 50%o	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

L & J Properties

2 - 17S - 11W

9330 E Central Ave Ste 300
Wichita Ks, 67206

Henry Burmeister#5-2

Job Ticket: 47685

DST#: 2

ATTN: Ken Leblanc

Test Start: 2021.01.18 @ 16:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	WMCO - 10%w - 40%m - 50%o	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbf

Num Fluid Samples: 0

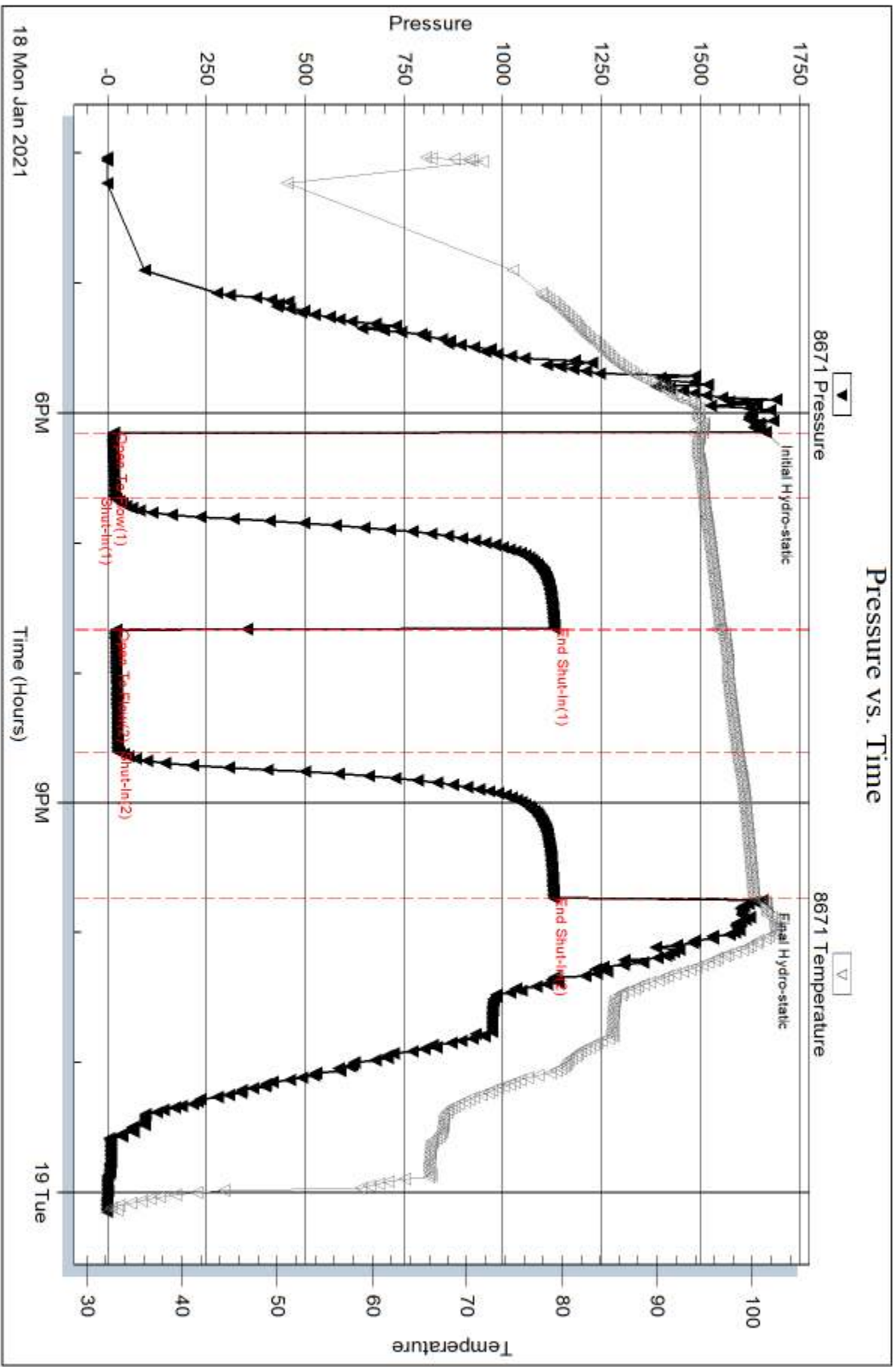
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



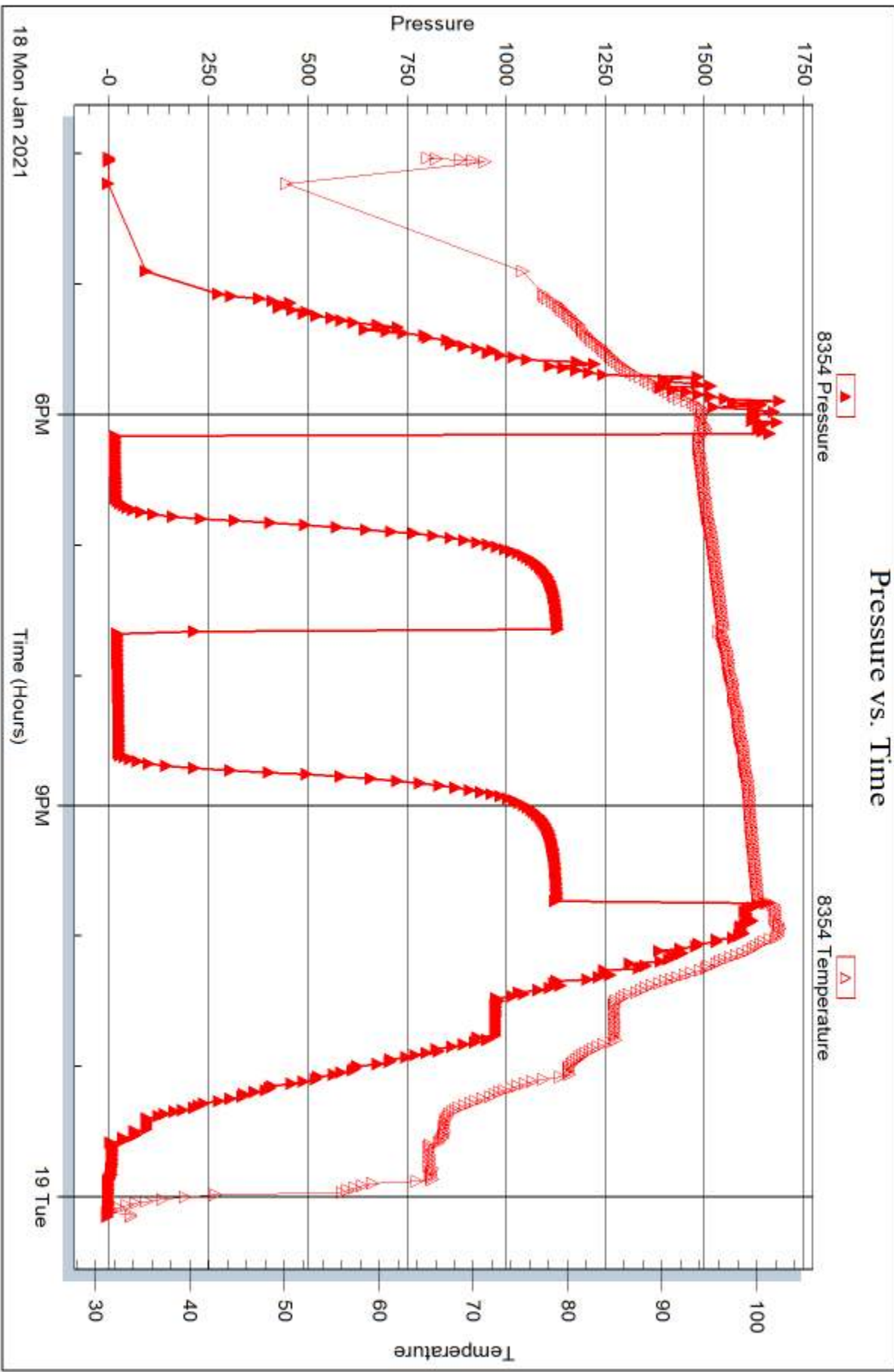
Serial #: 8354

Inside

L & J Properties

Henry Burnmeister#5-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 476885

Printed: 2021.01.19 @ 07:00:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

L & J Properties
9330 E Central Ave Ste 300
Wichita Ks, 67206
ATTN: Ken Leblanc

2 - 17S - 11W

Henry Burmeister#5-2

Job Ticket: 47686 **DST#: 3**
Test Start: 2021.01.19 @ 06:35:00

GENERAL INFORMATION:

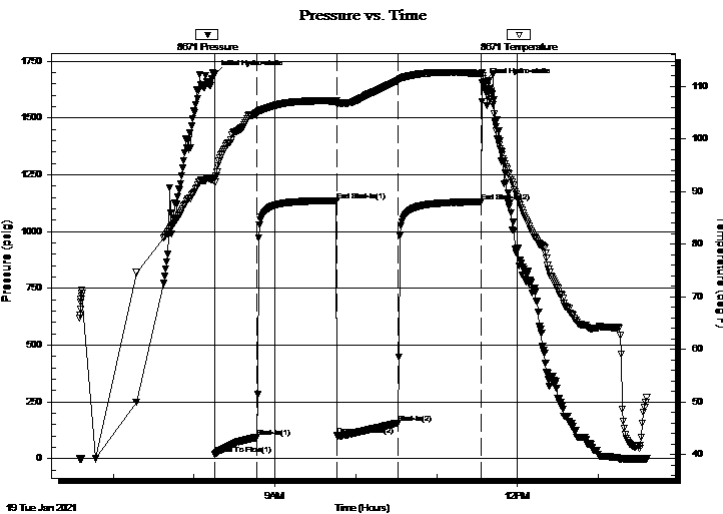
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:15:30
Time Test Ended: 13:36:00
Interval: **3348.00 ft (KB) To 3360.00 ft (KB) (TVD)**
Total Depth: 3360.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77
Reference Elevations: 1923.00 ft (KB)
1915.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8671

Outside

Press@RunDepth: 156.64 psig @ 3349.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.01.19 End Date: 2021.01.19 Last Calib.: 2021.01.19
Start Time: 06:35:05 End Time: 13:35:59 Time On Btm: 2021.01.19 @ 08:15:00
Time Off Btm: 2021.01.19 @ 11:34:00

TEST COMMENT: 30 - IF - Blow built to B.o.B. in 15 mins and built up to 16 1/2"
60 - ISI - No Return
45 - FF - Blow built to B.o.B. in 15 mins and built up to 21"
60 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.43	92.19	Initial Hydro-static
1	18.77	91.79	Open To Flow (1)
32	93.90	104.98	Shut-In(1)
91	1135.19	107.21	End Shut-In(1)
92	100.93	106.71	Open To Flow (2)
137	156.64	111.14	Shut-In(2)
198	1130.85	112.43	End Shut-In(2)
199	1655.34	112.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCWM - 30%o - 15%w - 55%m	0.30
341.00	GO - 10%g - 90%o	2.89
0.00	156 - GIP - 100%g	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

L & J Properties

2 - 17S - 11W

9330 E Central Ave Ste 300
Wichita Ks, 67206

Henry Burmeister#5-2

Job Ticket: 47686

DST#: 3

ATTN: Ken Leblanc

Test Start: 2021.01.19 @ 06:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

43 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCWM - 30%o - 15%w - 55%m	0.305
341.00	GO - 10%g - 90%o	2.890
0.00	156 - GIP - 100%g	0.000

Total Length: 403.00 ft Total Volume: 3.195 bbl

Num Fluid Samples: 0

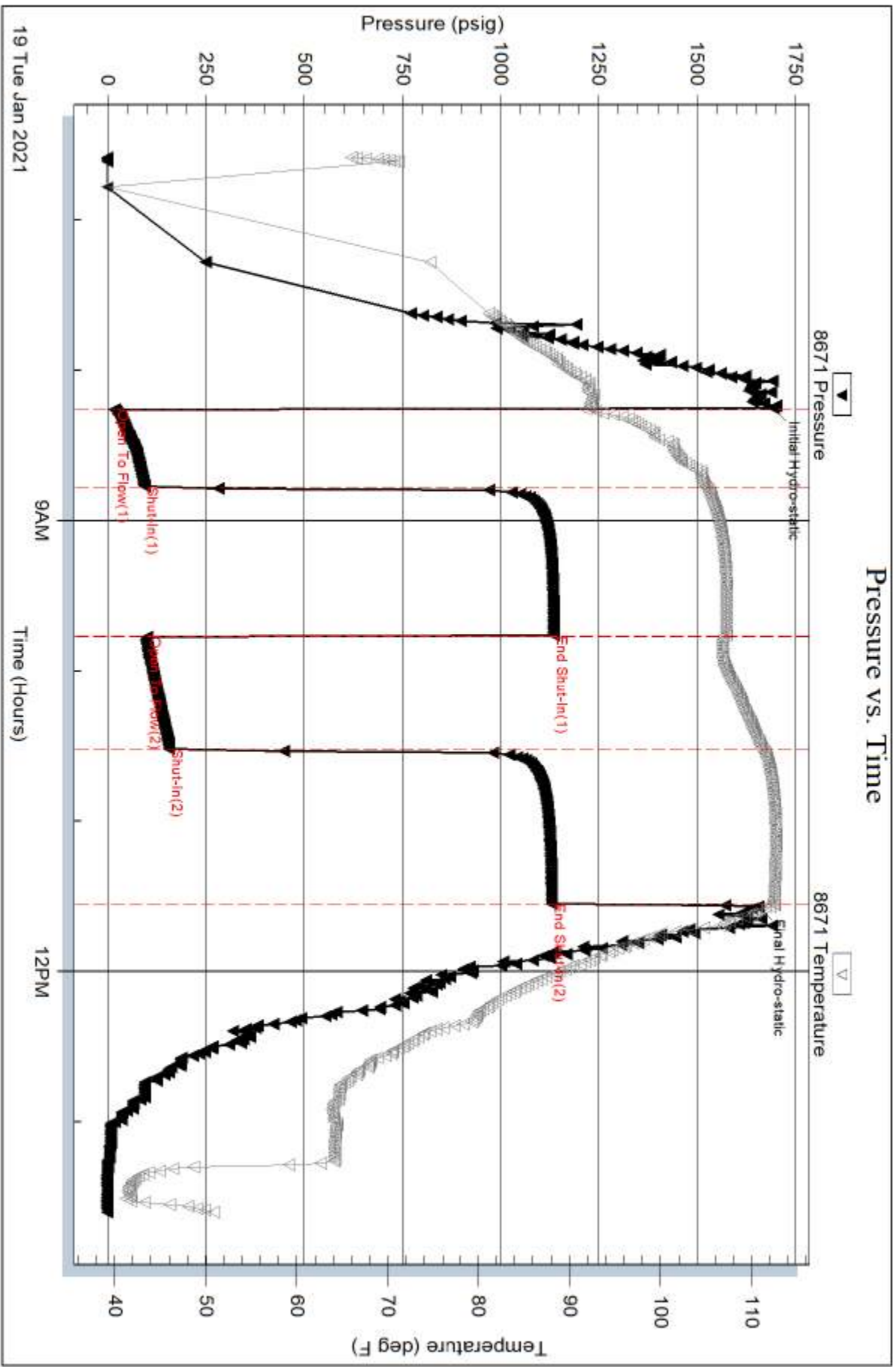
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 43 @ 60 deg.



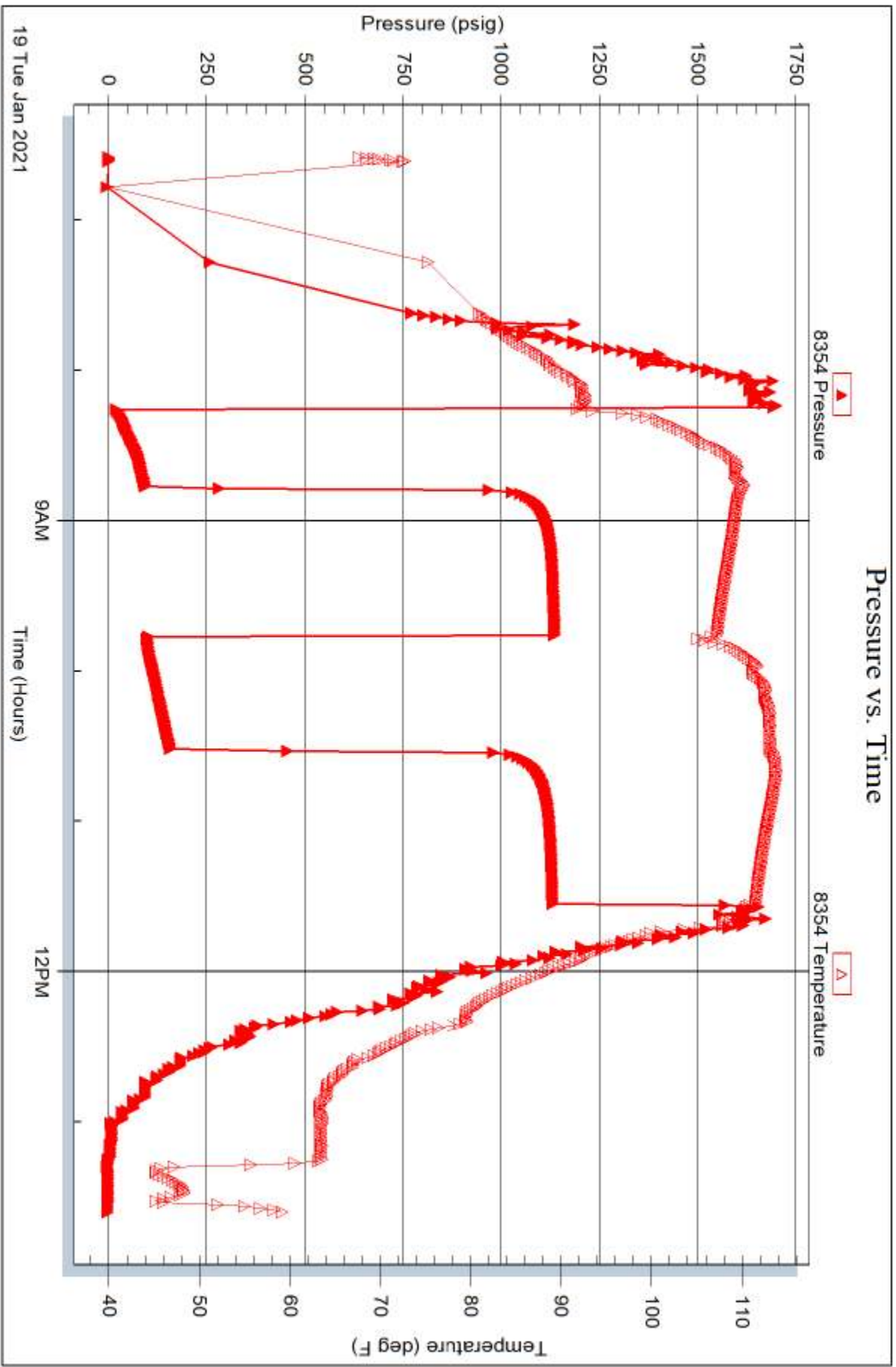
Serial #: 8354

Inside

L & J Properties

Henry Burnmeister#5-2

DST Test Number: 3





API: 15-009-26299 - 0000

L&J Oil Properties, Inc. (31434)

Henry Burmeister 5-2

1702 FNL & 1650 FWL

Sec. 2-T17S-R11W

Barton County, KS

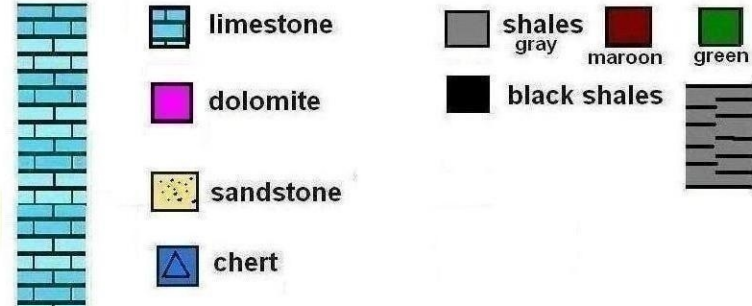
KB 1923

Displace Mud System at 2560'

Geologist on location at 2744'

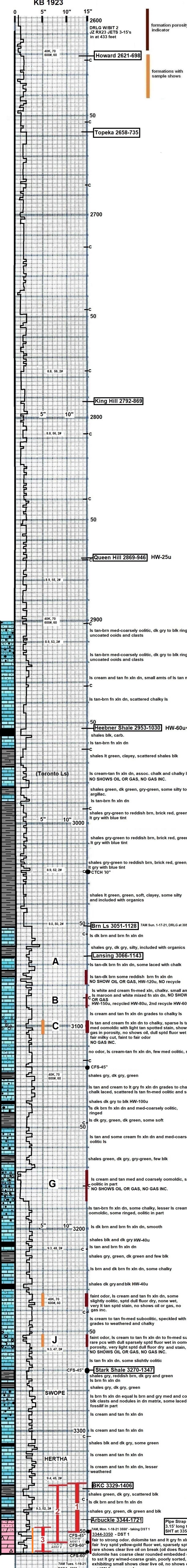
FIELD (First Look) REPORT

Lithology Legend



SHT at 533' - 3/4 deg
1010' - 1/2 deg
1504' - 1/2 deg
1999' - 1/4 deg
2498' - 1/2 deg

MUD-CO at 1470'
WT: 9.6, VIS: 29
WL: NC, CHL: 18,000
LCM: trace



TOOH W/BIT and Strapped Drill pipe to confirm structural position at 3024'
SHT at 3024' - 3/4 deg
Pipe Strap at 3024' 3.38' LONG to Board (NO CORRECTION)

MUD-CO at 3075'
WT: 9.0, VIS: 53
WL: 5.4, CHL: 5,900
LCM: 2#

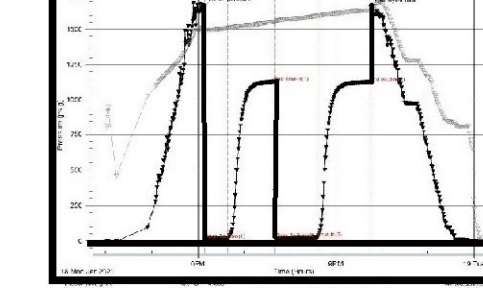
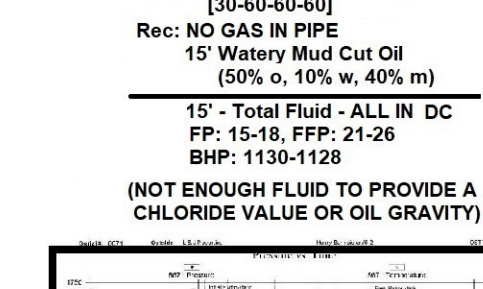
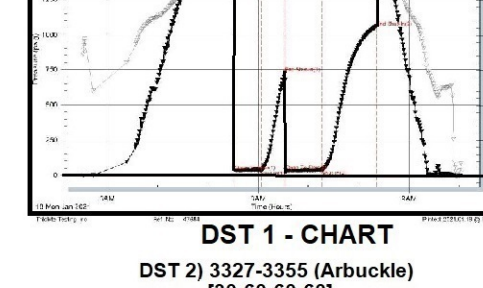
MUD-CO at 3350'
WT: 9.3, VIS: 54
WL: 5.8, CHL: 5200
LCM: 2#

MUD-CO at 3360'
WT: 9.3, VIS: 55
WL: 5.8, CHL: 5100
LCM: 2#

DST 1) 3344-3350 (Arbuckle)
[30-30-45-45]
Rec: NO GAS IN PIPE
10' Oil Spotted Mud
IFP: 34-36, FFP: 35-37
BHP: 731-1060

DST 2) 3327-3355 (Arbuckle)
[30-60-60-60]
Rec: NO GAS IN PIPE
15' Watery Mud Cut Oil
(50% o, 10% w, 40% m)
15' - Total Fluid - ALL IN DC
FFP: 15-18, FFP: 21-26
BHP: 1130-1128
(NOT ENOUGH FLUID TO PROVIDE A CHLORIDE VALUE OR OIL GRAVITY)

DST 3) 3348-3360 (Arbuckle)
[30-60-45-60]
Rec: 156' Gas In Pipe
62' Oil Cut Watery Mud
(30% o, 15% w, 55% m)
341' Gassy Oil - 43 deg API
(10% g, 90% o)
403' - Total Fluid - 176' in DC
IFP: 19-94, FFP: 101-157
BHP: 1135-1131



RTD 3360-1437 at 3:36 am Tues. 1-19-21
Ran DST 3 at RTD, based on results of test a decision was made to log behind DST 3.

WAIT ON Loggers a couple of hours, ELI WL Svc. on location at approx. 3:45pm Tues. 1-19-21

LTD 3364-1441
Based on the results of DST 3 and relative structural position to localized control - 5-1/2 inch production casing was recommended to be set TEN (10) feet of bottom