

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) (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	NEC Operating - Kansas, LLC
Well Name	AMELIA 1
Doc ID	1681185

All Electric Logs Run

Triple Combo Log
Compensated Density/Neutron PE Log
Dual Induction Log
Mud Log
Micro Log



416 Main Street
 P.O. Box 225
 Victoria, KS 67671

Office (785) 639-3949
 24 Hour Service Line (785) 639-7269

Invoice

Date	Invoice #
8/10/2022	0682

Please Pay from this Invoice.
 Remit Payment to:
 416 Main Street PO BOX 225
 Victoria, KS 67671
 Billing Questions-Call Tianna at
 (785) 639-3949
 Email: franksoilfield@yahoo.com

KCC License Number
 35469

Bill To
NEC Operating - Kansas, LLC 2516 Gravel Drive Fort Worth, TX 76118

County/State	Lease/Well#	Terms	Job Type
Trego County, KS	Amelia #1	Net 30	2-Stage

Description	Quantity	Rate	Amount
Pump Charge	1	2,500.00	2,500.00
Mileage	50	6.50	325.00
28.35 tons at 50 miles	1,417.5	1.50	2,126.25
Thixo blend OWC	150	28.55	4,282.50T
60/40 88 gel 1/6 # flo	425	17.35	7,373.75T
5-1/2" Guide Shoe AFU	1	600.00	600.00T
5-1/2" Latchdown Plug & Assembly	1	695.00	695.00T
5-1/2" DV Tool	1	4,200.00	4,200.00T
5-1/2" Basket	3	385.00	1,155.00T
5 1/2 Stop Ring	3	35.00	105.00T
5-1/2" Turbalizer Centralizers	8	108.00	864.00T
5-1/2" Reciprocating Scratchers	20	75.00	1,500.00T
Mud Flush	1,000	1.00	1,000.00T
KCL	2	30.00	60.00T
Head & Manifold Charge	1	200.00	200.00T
Discount		-2,698.65	-2,698.65

PAID
 CK. NO. 1131
 DATE 9-9-22

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	Subtotal	\$24,287.85
<i>We appreciate your business and look forward to serving you again!</i>	Sales Tax (7.5%)	\$1,487.38
	Balance Due	\$25,775.23

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0682
 LOCATION Howe
 FOREMAN Preston

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-10-22		Amelia #1	14	11S	22W	Trego
CUSTOMER NGC Operating - Kansas, LLC			TRUCK #			
MAILING ADDRESS			DRIVER		TRUCK #	
CITY			DRIVER		TRUCK #	
STATE			DRIVER		TRUCK #	
ZIP CODE			DRIVER		TRUCK #	

JOB TYPE 2-stage HOLE SIZE 7 7/8" HOLE DEPTH 4097' CASING SIZE & WEIGHT 5 1/2" 15.50"
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8/11.5" SLURRY VOL 651/221 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up on White Knight Run 5 1/2" casing. Circulate to thin mud + condition hole. Pump mudflush + KCL. mix 75 sacks live. run in 150 sacks of OWS. Wash up lines. displace land plug w/ 1500#-held. Release-held. Drop D.U. opener. Open D.U. Tool. Circ. Pump mudflush. plug rehole w/ 30 sacks. mouse hole w/ mix 320 sacks down hole. Wash up line. Displace plug w/ 41.3 Bbl. land w/ 1700#. Release-held.

cement did circulate.

Thank you! Preston + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC004	1	PUMP CHARGE	\$2500 ⁰⁰	\$2500 ⁰⁰
M001	50	MILEAGE	\$6 ⁵⁰	\$325 ⁰⁰
M002	28.35 tons	Ton mileage delivery	\$2,126 ²⁵	\$2,126 ²⁵
CB030	150 sacks	class # 6% plaster, 10% basal, 2% gel, 5% hole seal	\$28 ⁵⁵	\$4,282 ⁵⁰
CB021	425 sacks	60/40 8% gel 1/4" fib seal	\$17 ³⁵	\$7,373 ⁷⁵
FG033	1	5 1/2" AFU Cuckoo shoe	\$600 ⁰⁰	\$600 ⁰⁰
FE051	1	5 1/2" latch down plug assemble	\$695 ⁰⁰	\$695 ⁰⁰
FG089	1	5 1/2" D.U. Tool	\$4200 ⁰⁰	\$4200 ⁰⁰
FE022	3	5 1/2" Basket	\$385 ⁰⁰	\$1155 ⁰⁰
FE102	3	5 1/2" stop ring	\$35 ⁰⁰	\$105 ⁰⁰
FE014	8	5 1/2" turbolizer	\$105 ⁰⁰	\$840 ⁰⁰
FE096	20	reciprocating scratchers	\$75 ⁰⁰	\$1500 ⁰⁰
CP013	1000 gal	mudflush	\$1 ⁰⁰	\$1000 ⁰⁰
CP014	2 gal.	KCL	\$30 ⁰⁰	\$60 ⁰⁰
CG003	1	5 1/2" keel + manifold	\$200 ⁰⁰	\$200 ⁰⁰
		sub total		\$24,984 ⁶⁰
		less 10% disc.		\$22,498 ⁶⁵
		sub total		\$24,287 ⁸⁵
		SALES TAX		
		ESTIMATED TOTAL		

AUTHORIZATION _____ TITLE _____ DATE _____

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.

4774



416 Main Street
P.O. Box 225
Victoria, KS 67671

Office (785) 639-3949
24 Hour Service Line (785) 639-7269

Invoice

Date	Invoice #
8/2/2022	0671

Please Pay from this Invoice.
Remit Payment to:
416 Main Street PO BOX 225
Victoria, KS 67671
Billing Questions-Call Tianna at
(785) 639-3949
Email: franksoilfield@yahoo.com

KCC License Number
35469

Bill To
NEC Operating - Kansas, LLC 2516 Gravel Drive Fort Worth, TX 76118

County/State	Lease/Well#	Terms	Job Type
Trego County, KS	Amelia 1	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	67	6.50	435.50
8.58 tons at 67 miles	574.86	1.50	862.29
Surface Blend	175	24.50	4,287.50T
Discount		-673.52	-673.52

PAID

CK. NO. 1115

DATE 8-26-22

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.

Subtotal \$6,061.77

We appreciate your business and look forward to serving you again!

Sales Tax (7.5%) \$289.41

Balance Due \$6,351.18

Frank Soilfield Service

815 Main Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269
 ♦ Office Phone (785) 639-3949 ♦ Email: franksoilfield@yahoo.com

TICKET NUMBER 0671
 LOCATION Naxic
 FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-2-22	35920	Amelia 1	14	11	22N	Trego
CUSTOMER NEL Operating & Kansas LLC			TRUCK #			
MAILING ADDRESS 2516 Gravel Drive			DRIVER		TRUCK #	
CITY Fort Worth			DRIVER		TRUCK #	
STATE TX			DRIVER		TRUCK #	
ZIP CODE 76118			DRIVER		TRUCK #	

JOB TYPE <u>Surfau</u>	HOLE SIZE <u>12 1/4</u>	HOLE DEPTH <u>224'</u>	CASING SIZE & WEIGHT <u>8 1/2" 28#</u>
CASING DEPTH <u>224'</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT <u>14.8</u>	SLURRY VOL <u>1.4</u>	WATER gal/sk	CEMENT LEFT in CASING <u>20'</u>
DISPLACEMENT <u>13 Bbl</u>	DISPLACEMENT PSI	MIX PSI	RATE

REMARKS: safety meeting & set up on White Knight Pkwy. Circulate Mud
Mix 175yr surfau blend. Vol's place 13 Bbl & shut in. Release
Reel up & move at 7:45 pm

CEMENT did circulate

Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL002	1	PUMP CHARGE <u>surfau</u>	\$1150.00	\$1150.00
M001	67	MILEAGE	\$6.50	\$435.50
M002	5.54 tons	Ton Mileage Delivery	\$81.229	\$451.29
L3004	175 yr	class A <u>3rd 20 gal</u>	\$24.50	\$4287.50
			sub total	\$6,735.29
			less 10% disc.	\$6,061.77
			sub total	\$6,061.77
			SALES TAX	289.41
			ESTIMATED TOTAL	6351.18

AUTHORIZATION _____ TITLE _____ DATE _____

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.

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **NEC Operating - Kansas LLC**
 LEASE **Amelia #1**
 FIELD **Wildcat**
 LOCATION **330' FSL & 330' FWL**
 SEC **14 TWPSP 11S RGE 22W**
 COUNTY **Trego STATE Kansas**
 CONTRACTOR **White Knight Drilling**
 SPUD **8/1/22 COMP 8/9/22**
 RTD **4100' LTD 4097'**
 MUD UP **3100' TYPE MUD Chemical**

SAMPLES SAVED FROM **3400'** TO **RTD**
 DRILLING TIME KEPT FROM **3400'** TO **RTD**
 SAMPLES EXAMINED FROM **3400'** TO **RTD**

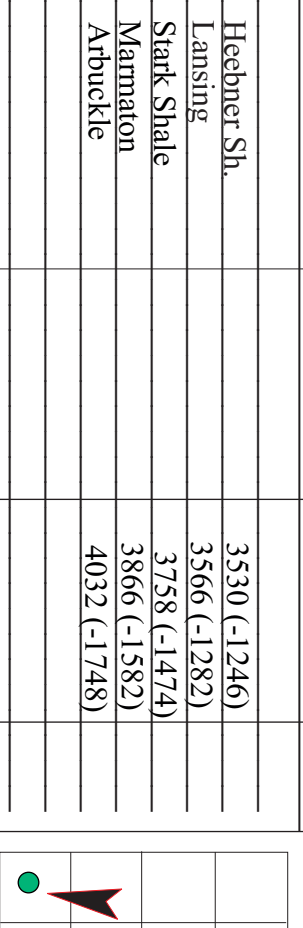
GEOLOGICAL SUPERVISION FROM **3400'**
 REFERENCE WELL **CND/DIL.MIC**

ELEVATIONS
 KB **2284'**
 DF _____
 GL **2279'**
 Measurements Are All From Kelly Bushing

CASING
 CONDUCTOR _____
 SURFACE **8-5/8"** at **224'**
 PRODUCTION **5-5/8"** at **TD'**

ELECTRICAL SURVEYS
 ELL _____
 CND/DIL.MIC _____

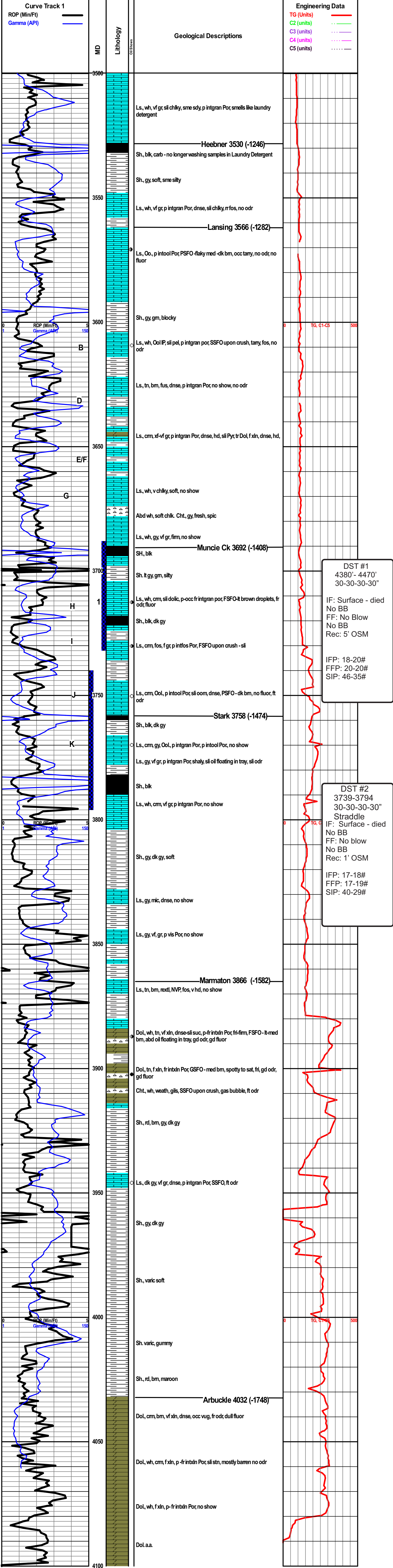
Formation	Sample Tops	E-log Tops	Struct Pos.
Heebner Sh.		3530 (-1246)	
Lansing		3566 (-1282)	
Stark Shale		3758 (-1474)	
Marmaton		3866 (-1582)	
Arbuckle		4032 (-1748)	



REMARKS The Malone #1-22 was plugged and abandoned based on all the data.

Respectfully Submitted,

Sean P. Deenihan



DST #1
 4380'- 4470'
 30-30-30-30"
 IF: Surface - died
 No BB
 FF: No Blow
 No BB
 Rec: 5' OSM
 IFP: 18-20#
 FFP: 20-20#
 SIP: 46-35#

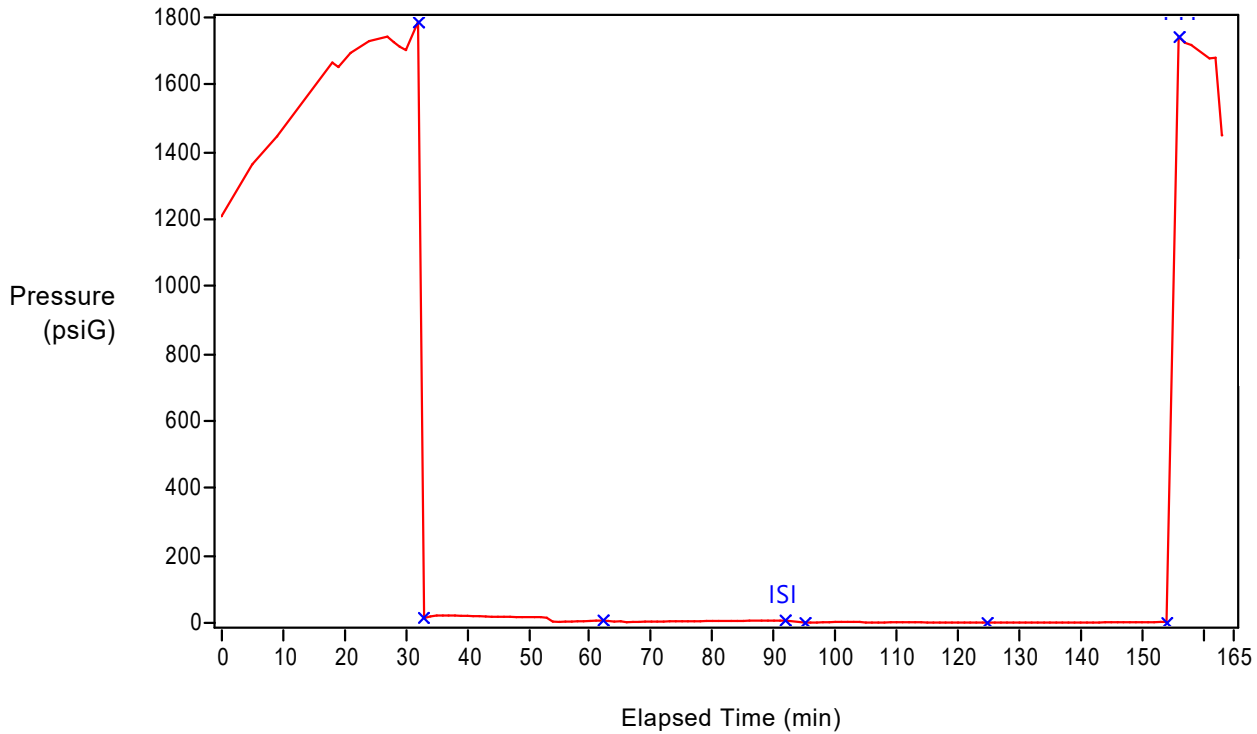
DST #2
 3739-3794
 30-30-30-30"
 Straddle
 IF: Surface - died
 No BB
 FF: No blow
 No BB
 Rec: 1' OSM
 IFP: 17-18#
 FFP: 17-19#
 SIP: 40-29#

RTD: 4100'
 LTD: 4097'

NEC Operating - Kansas LLC
 Amelia # 1
 14-11S-22W
 Trego County, KS

KB: 2284'

Pressure Plot



Company Name: NEC Operating- KS LLC
 Ticket Number: 69786
 Test Number: 1
 Well Name: Amelia #1
 Location: 14-11s-22w Trego KS
 Date: 2022/08/07
 Formation Name: LKC H
 Formation Interval: 3690-3731
 Gauge Depth: 3677
 Atmospheric Pressure: 0.00 psi
 Start Time: 07:24:04

Tag	Time (h:m:s)	Pressure (psiG)
Initial Hydrostatic (IH)	07:56:05	1785.60
Initial Pre-Flow (IPF)	07:57:05	14.00
Final Pre-Flow (FPF)	08:26:06	6.50
Initial Shut-In (ISI)	08:56:06	6.40
Initial Main Flow (IMF)	08:59:06	0.00
Final Main Flow (FMF)	09:29:07	0.00
Final Shut-In (FSI)	09:58:07	1.50
Final Hydrostatic (FH)	10:00:07	1742.40

Notes:

Phase	Duration (h:m:s)
Entire Test	02:43:04
Pre-Flow	00:29:01
First Shut-In	00:30:00
Main Flow	00:30:01
Second Shut-In	00:29:00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating-KS LLC
 2516 Gravel Drive Fort Worth TX 76118
 ATTN: Pat Deenihan

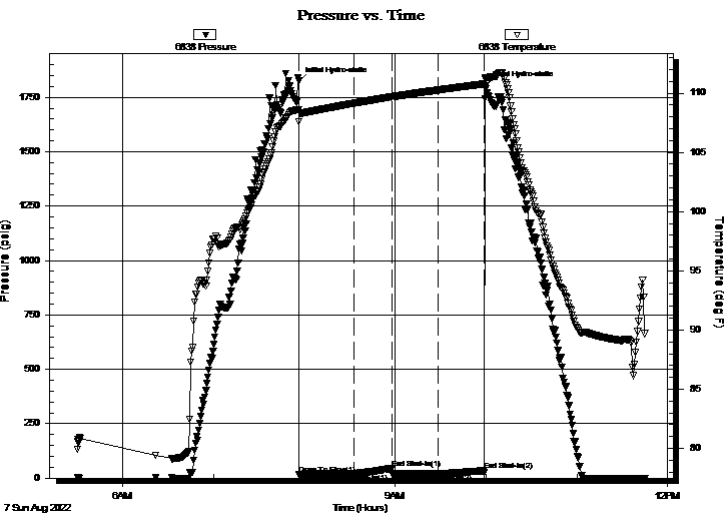
14 11s 22w Trego KS
Amelia
 Job Ticket: 69786 **DST#: 1**
 Test Start: 2022.08.07 @ 05:30:00

GENERAL INFORMATION:

Formation: **LKC H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:56:12
 Time Test Ended: 11:45:12
 Interval: **3690.00 ft (KB) To 3731.00 ft (KB) (TVD)**
 Total Depth: 3731.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Richard
 Unit No: 84
 Reference Elevations: 2284.00 ft (KB)
 2279.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6838 Inside
 Press@RunDepth: 20.24 psig @ 3693.00 ft (KB) Capacity: psig
 Start Date: 2022.08.07 End Date: 2022.08.07 Last Calib.: 2022.08.07
 Start Time: 05:30:01 End Time: 11:45:12 Time On Btm: 2022.08.07 @ 07:56:07
 Time Off Btm: 2022.08.07 @ 09:59:37

TEST COMMENT: IF30 Surface blow died in five min.
 ISI30 No blow
 FF30 No blow
 FSI30 No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1824.08	108.60	Initial Hydro-static
1	17.89	107.61	Open To Flow (1)
37	20.47	109.14	Shut-In(1)
62	45.55	109.69	End Shut-In(1)
62	19.72	109.69	Open To Flow (2)
92	20.24	110.26	Shut-In(2)
123	34.71	110.78	End Shut-In(2)
124	1802.33	111.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating-KS LLC

14 11s 22w Trego KS

2516 Gravel Drive Fort Worth TX 76118

Amelia

Job Ticket: 69786

DST#: 1

ATTN: Pat Deenihan

Test Start: 2022.08.07 @ 05:30:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM	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:

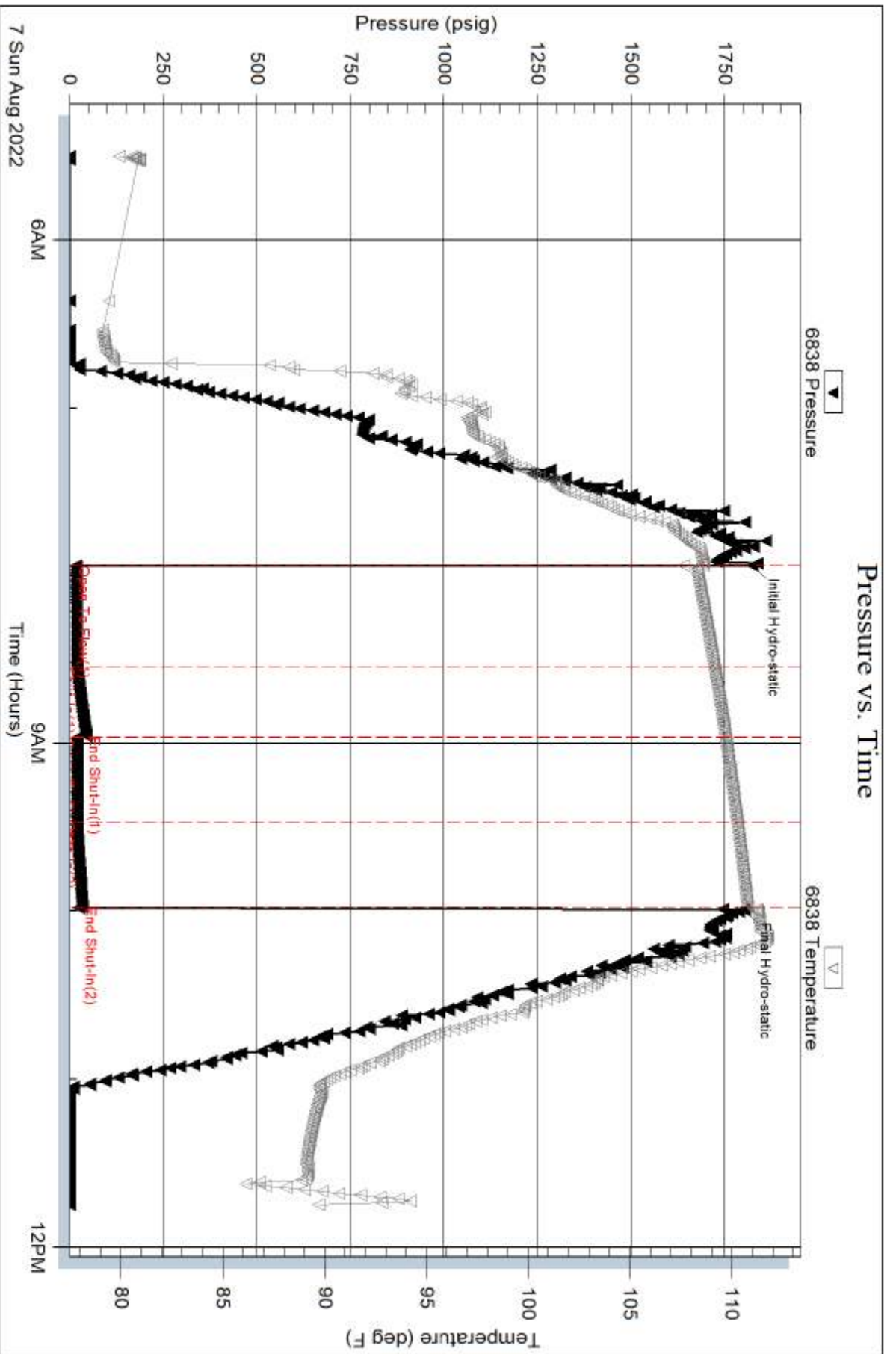
Serial #: 6838

Inside

NEC Operating-KS LLC

Amelia

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69786

Printed: 2022.08.07 @ 20:39:08

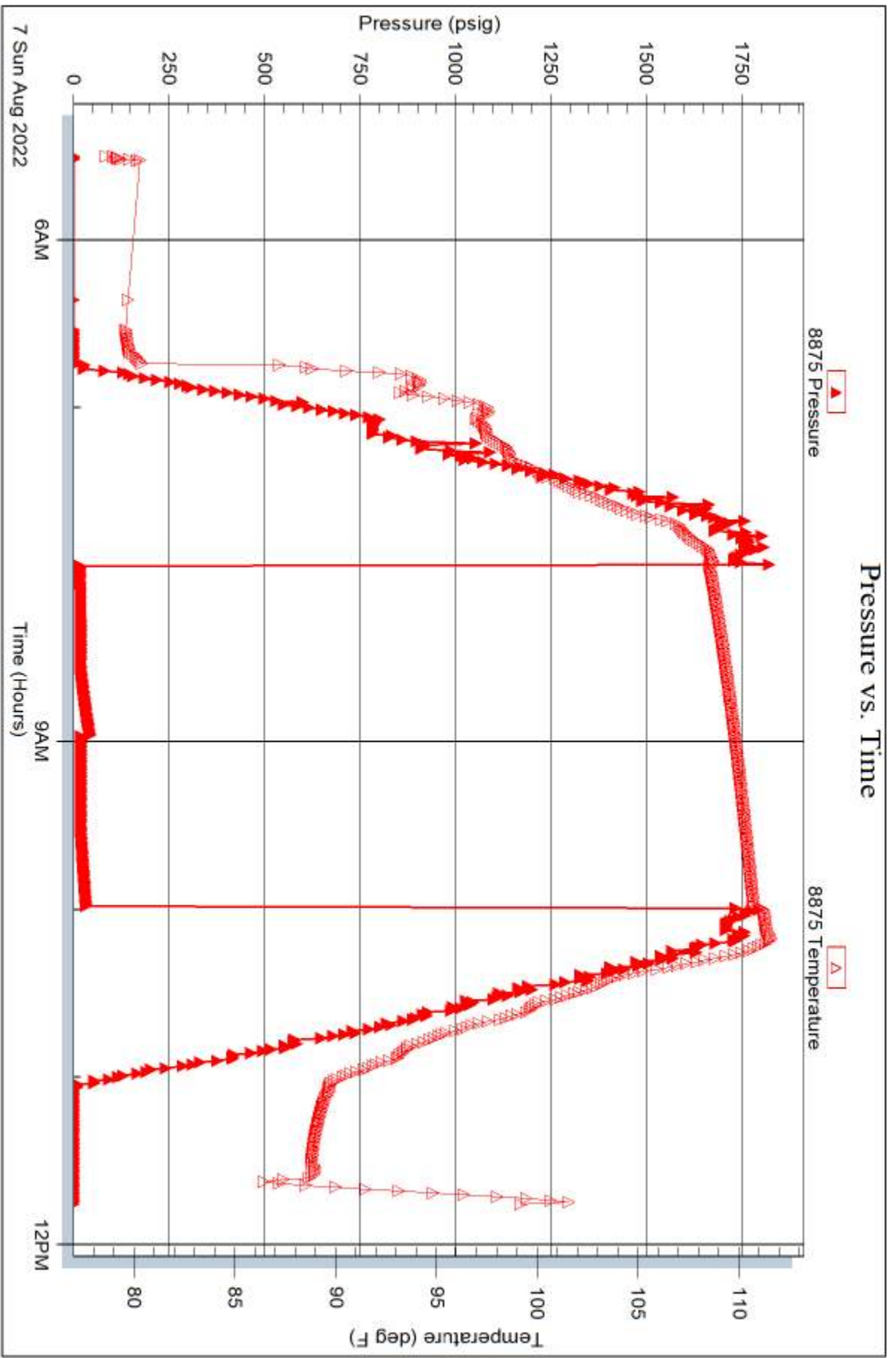
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Inside

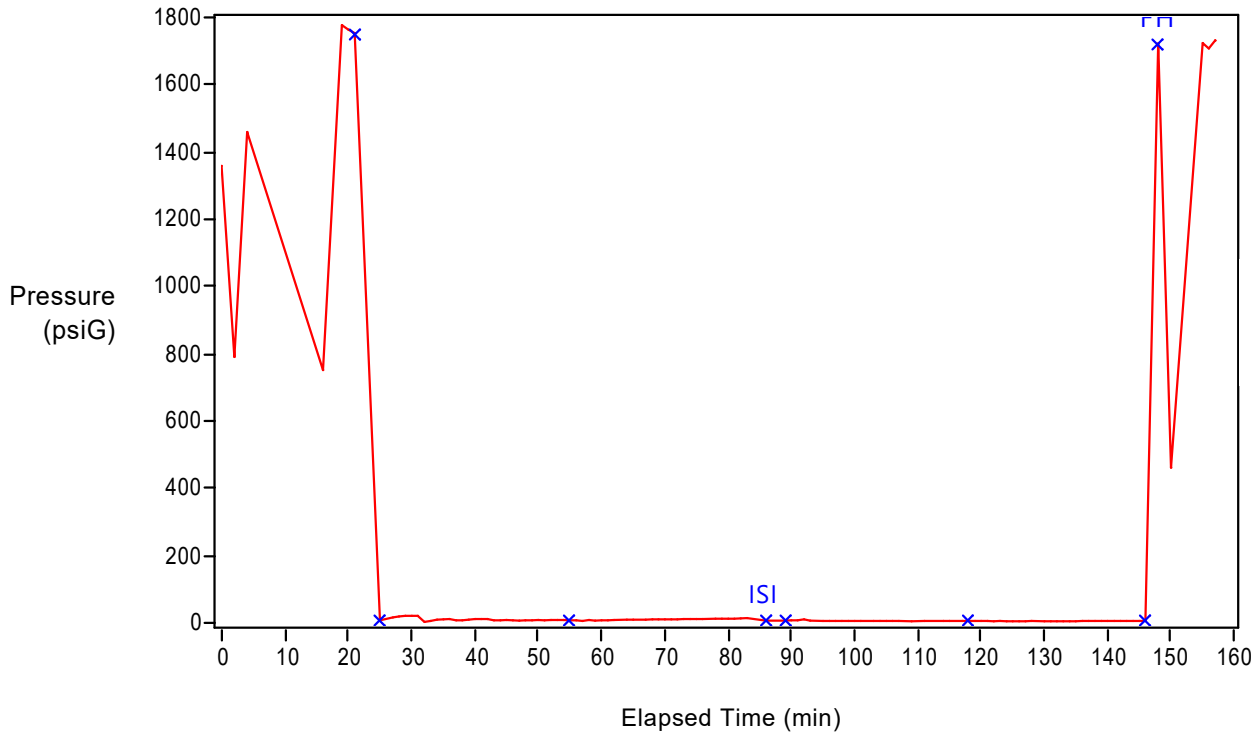
NEC Operating-KS LLC

Amelia

DST Test Number: 1



Pressure Plot



Company Name: NEC Operating- KS LLC
 Ticket Number: 69787
 Test Number: 2
 Well Name: Amelia #1
 Location: 14-11s-22w Trego KS
 Date: 2022/08/08
 Formation Name: LKC I-K
 Formation Interval: 3739-3794
 Gauge Depth: 3726
 Atmospheric Pressure: 0.00 psi
 Start Time: 02:06:56

Tag	Time (h:m:s)	Pressure (psiG)
Initial Hydrostatic (IH)	02:27:58	1752.40
Initial Pre-Flow (IPF)	02:31:58	6.80
Final Pre-Flow (FPF)	03:01:59	6.70
Initial Shut-In (ISI)	03:32:59	6.50
Initial Main Flow (IMF)	03:35:59	6.40
Final Main Flow (FMF)	04:05:00	5.10
Final Shut-In (FSI)	04:33:00	5.60
Final Hydrostatic (FH)	04:35:00	1721.80

Notes:

Phase	Duration (h:m:s)
Entire Test	02:37:05
Pre-Flow	00:30:01
First Shut-In	00:31:00
Main Flow	00:29:01
Second Shut-In	00:28:00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating-KS LLC
 2516 Gravel Drive Fort Worth TX 76118
 ATTN: Pat Deenihan

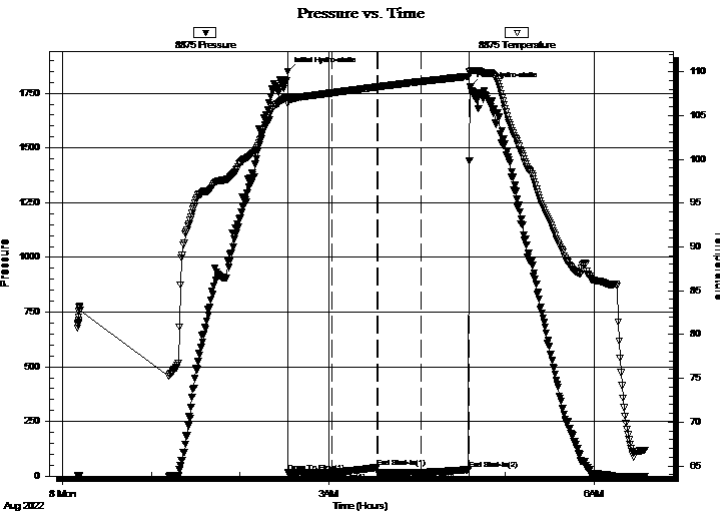
14 11s 22w Trego KS
Amelia
 Job Ticket: 69787 **DST#: 2**
 Test Start: 2022.08.08 @ 00:10:00

GENERAL INFORMATION:

Formation: **LKC I-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:32:17
 Time Test Ended: 06:34:32
Interval: 3739.00 ft (KB) To 3794.00 ft (KB) (TVD)
 Total Depth: 3794.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Richard
 Unit No: 84
 Reference Elevations: 2284.00 ft (KB)
 2279.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8875 Inside
 Press@RunDepth: 18.56 psig @ 3742.00 ft (KB) Capacity: psig
 Start Date: 2022.08.08 End Date: 2022.08.08 Last Calib.: 2022.08.08
 Start Time: 00:10:01 End Time: 06:34:32 Time On Btm: 2022.08.08 @ 02:32:12
 Time Off Btm: 2022.08.08 @ 04:36:12

TEST COMMENT: 30-IF-Surface Died
 30-IS-No Blow
 30-FF-No Blow
 30-FSI-No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1850.21	107.02	Initial Hydro-static
1	16.69	106.33	Open To Flow (1)
30	18.07	107.58	Shut-In(1)
61	40.01	108.27	End Shut-In(1)
62	17.00	108.27	Open To Flow (2)
91	18.56	108.88	Shut-In(2)
123	29.05	109.48	End Shut-In(2)
124	1780.57	109.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	OSM	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating-KS LLC

14 11s 22w Trego KS

2516 Gravel Drive Fort Worth TX 76118

Amelia

Job Ticket: 69787

DST#: 2

ATTN: Pat Deenihan

Test Start: 2022.08.08 @ 00:10:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	OSM	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

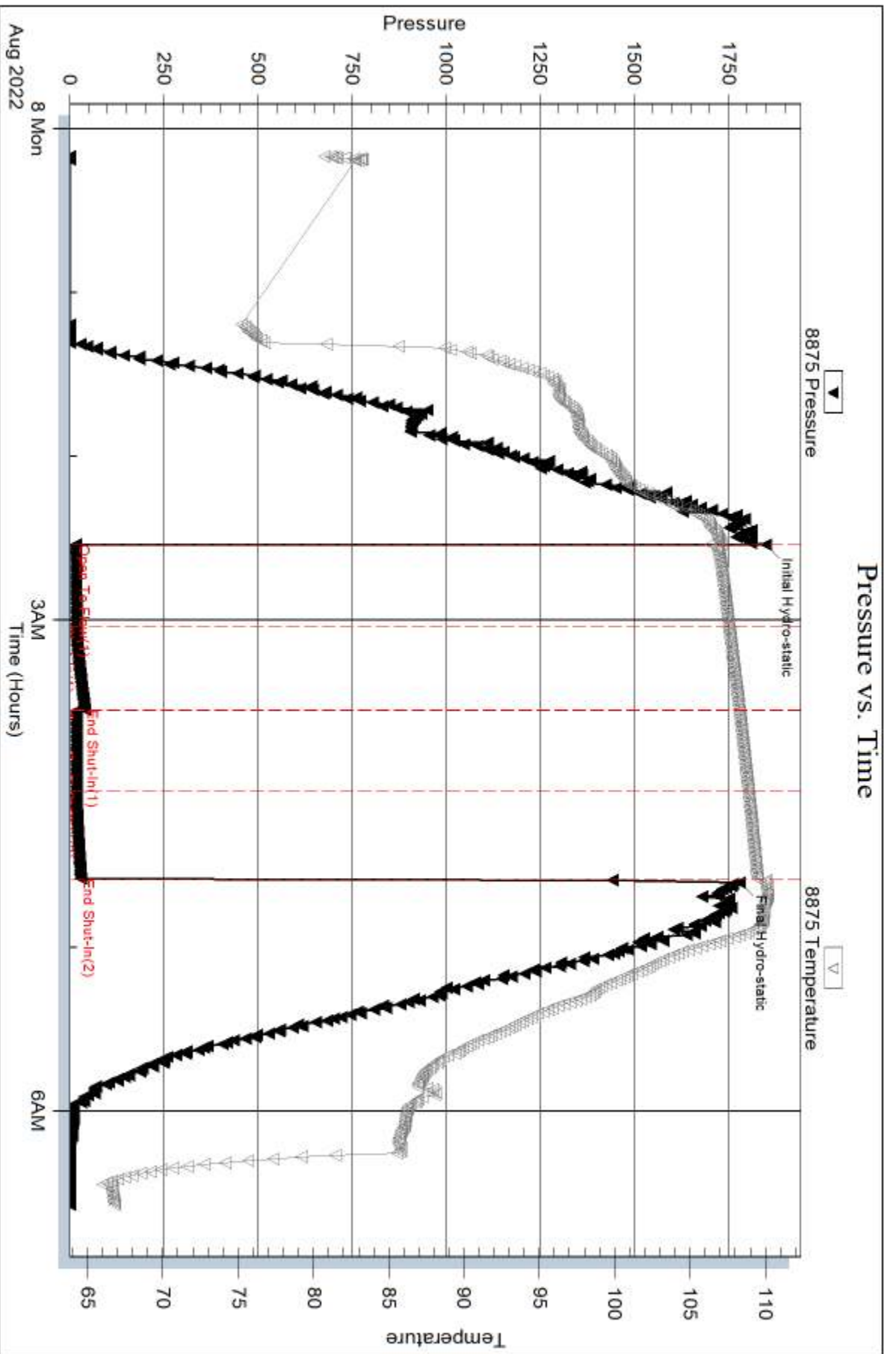
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



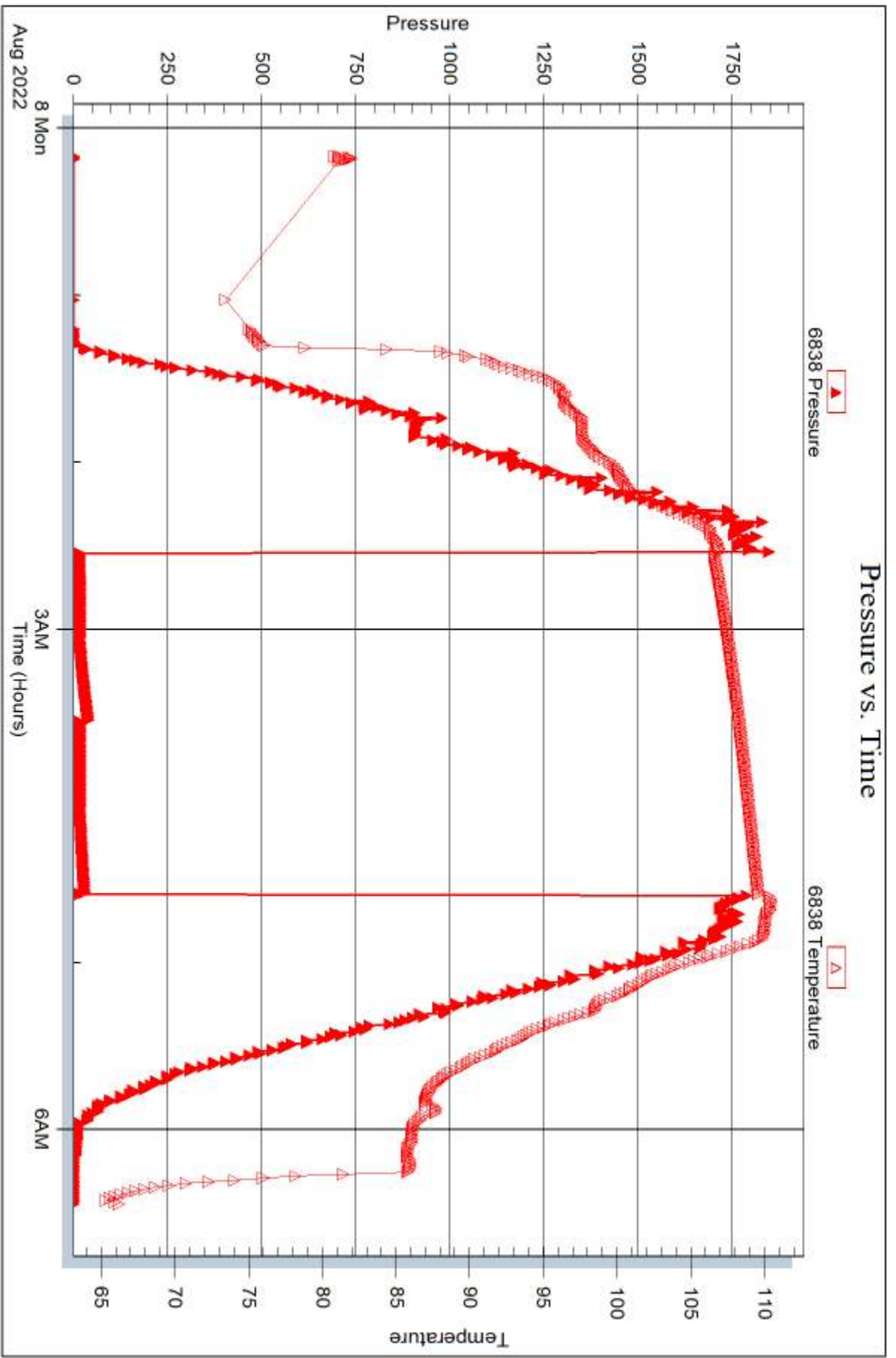
Serial #: 6838

Inside

NEC Operating-KS LLC

Amelia

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 69787

Printed: 2022.08.08 @ 07:14:21