

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
--	---

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
---	---	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	NEC Operating - Kansas, LLC
Well Name	WRANGLER 2
Doc ID	1703306

All Electric Logs Run

DIL
MICRO
SONIC
COMPENSATED DENSITY/NEUTRON PE
QUAD COMBO

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **NEC Operating - Kansas, LLC**

LEASE **Wrangler #2**

FIELD **Wildcat**

LOCATION **703' FSL & 697' FEL**

SEC **25 TWPSP 11S RGE 22W**

COUNTY **Trego STATE Kansas**

CONTRACTOR **White Knight Drilling**

SPUD **10/18/22 COMP 10/25/22**

RTD **4150' LTD 4150'**

MUD UP **3200' TYPE MUD Chemical**

SAMPLES SAVED FROM **3300' TO RTD**

DRILLING TIME KEPT FROM **3300' TO RTD**

SAMPLES EXAMINED FROM **3300' TO RTD**

GEOLOGICAL SUPERVISION FROM **3300'**

REFERENCE WELL **Shubert #2**

ELEVATIONS
KB **2321'**

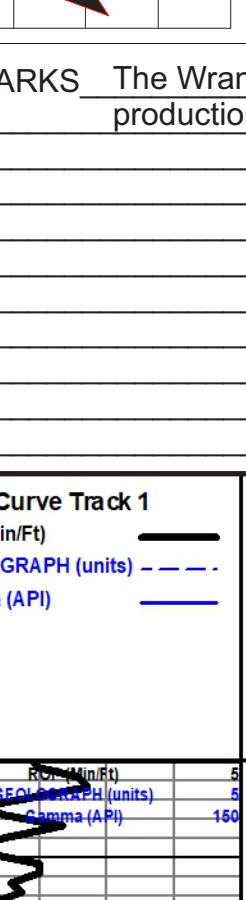
GL **2314'**

Measurements Are All From Kelly Bushing

CASING
CONDUCTOR
SURFACE **8-5/8" at 221'**
PRODUCTION **5.5" at 1TD**

ELECTRICAL SURVEYS
E/L Wireline
CND/DIL MIC/SON

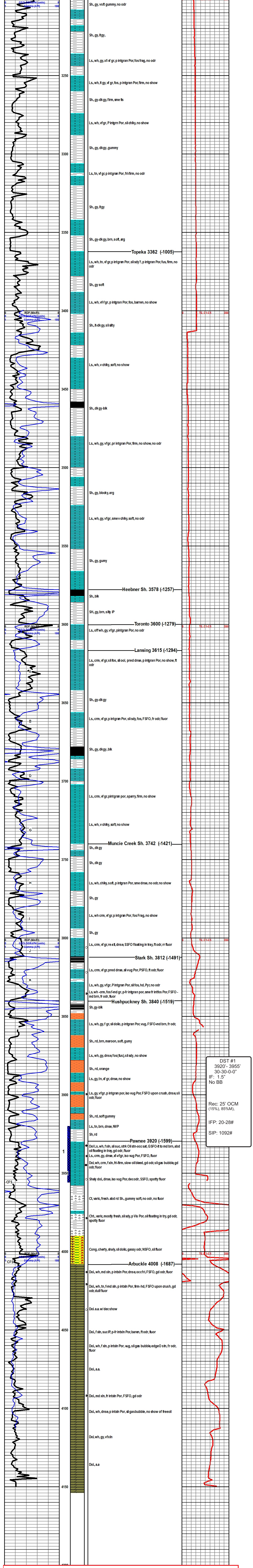
Formation	Sample Tops	E-Log Tops	Struct Foss.
Anhy/drite		1764 (-557)	
Heebner Sh.		3578 (-1257)	
Lansing		3615 (-1294)	
Stark Shale		3812 (-1491)	
Marmaton		3920 (-1599)	
Arbuckle		4008 (-1687)	



REMARKS The Wrangler #2 had shows of oil in the Lansing, Marmaton, and Arbuckle. 5.5" production casing was set in order to further evaluate the Wrangler #2.

Respectfully Submitted,

Sean P. Deenihan





DRILL STEM TEST REPORT

Prepared For: **NEC Operating-Kansas LLC**

2516 Gravel Drive
Fort Worth TX 76118+6974

ATTN: Ryan Seib

Wrangler #2

25-11s-22w Trego,KS

Start Date: 2022.11.02 @ 05:15:00

End Date: 2022.11.02 @ 10:38:12

Job Ticket #: 69825 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.11.03 @ 17:05:38



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69825

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.11.02 @ 05:15:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:22:22

Time Test Ended: 10:38:12

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 3952.00 ft (KB) To 3990.00 ft (KB) (TVD)

Reference Elevations: 2319.00 ft (KB)

Total Depth: 3990.00 ft (KB) (TVD)

2314.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8875 Inside

Press@RunDepth: psig @ 3958.00 ft (KB)

Capacity: psig

Start Date: 2022.11.02

End Date: 2022.11.02

Last Calib.: 2022.11.02

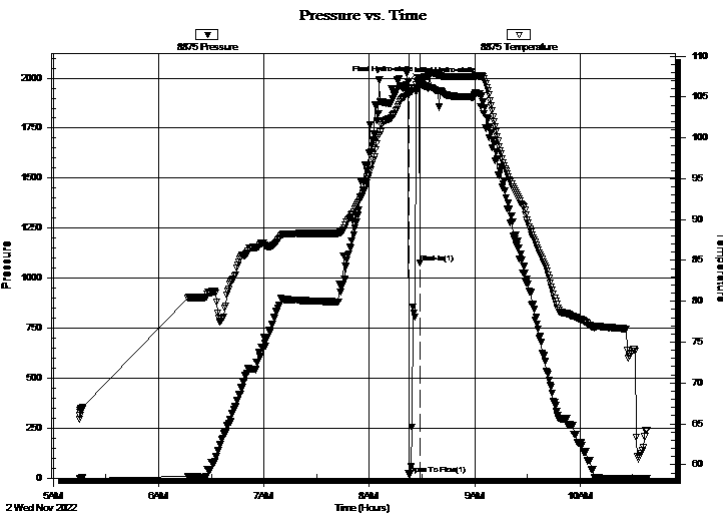
Start Time: 05:15:01

End Time: 10:38:11

Time On Btm: 2022.11.02 @ 08:22:12

Time Off Btm: 2022.11.02 @ 08:28:57

TEST COMMENT: IF-Surface to 1.5" in 2 mins Packer failed Tried to reset Did not hold



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.61	105.82	Initial Hydro-static
1	20.47	105.35	Open To Flow (1)
7	1074.28	106.90	Shut-In(1)
7	1989.82	107.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Mud w /few spots oil 100%M	7.09

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69825

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.11.02 @ 05:15:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:22:22

Time Test Ended: 10:38:12

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 3952.00 ft (KB) To 3990.00 ft (KB) (TVD)

Reference Elevations: 2319.00 ft (KB)

Total Depth: 3990.00 ft (KB) (TVD)

2314.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3958.00 ft (KB)

Capacity: psig

Start Date: 2022.11.02

End Date: 2022.11.02

Last Calib.: 2022.11.02

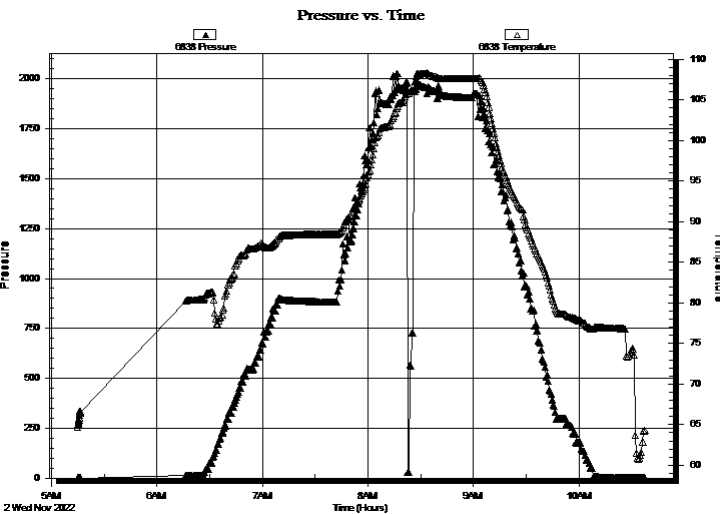
Start Time: 05:15:01

End Time: 10:37:32

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Surface to 1.5" in 2 mins Packer failed Tried to reset Did not hold



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
500.00	Mud w /few spots oil 100%M	7.09

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69825

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.11.02 @ 05:15:00

Tool Information

Drill Pipe:	Length: 3929.00 ft	Diameter: 3.82 inches	Volume: 55.70 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	50000.00 daN
Depth to Top Packer:	3952.00 ft			Final	52000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3921.00	
Shut In Tool	5.00			3926.00	
Hydraulic tool	5.00			3931.00	
Jars	5.00			3936.00	
Gap Sub	4.00			3940.00	
Safety Joint	3.00			3943.00	
Packer	5.00			3948.00	32.00 Bottom Of Top Packer
Packer	4.00			3952.00	
Stubb	1.00			3953.00	
Perforations	4.00			3957.00	
Change Over Sub	1.00			3958.00	
Recorder	0.00	6838	Inside	3958.00	
Recorder	0.00	8875	Inside	3958.00	
Drill Pipe	32.00			3990.00	38.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69825

DST#: 1

ATTN: Ryan Seib

Test Start: 2022.11.02 @ 05:15:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	Mud w /few spots oil 100%M	7.088

Total Length: 500.00 ft

Total Volume: 7.088 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

Serial #: 8875

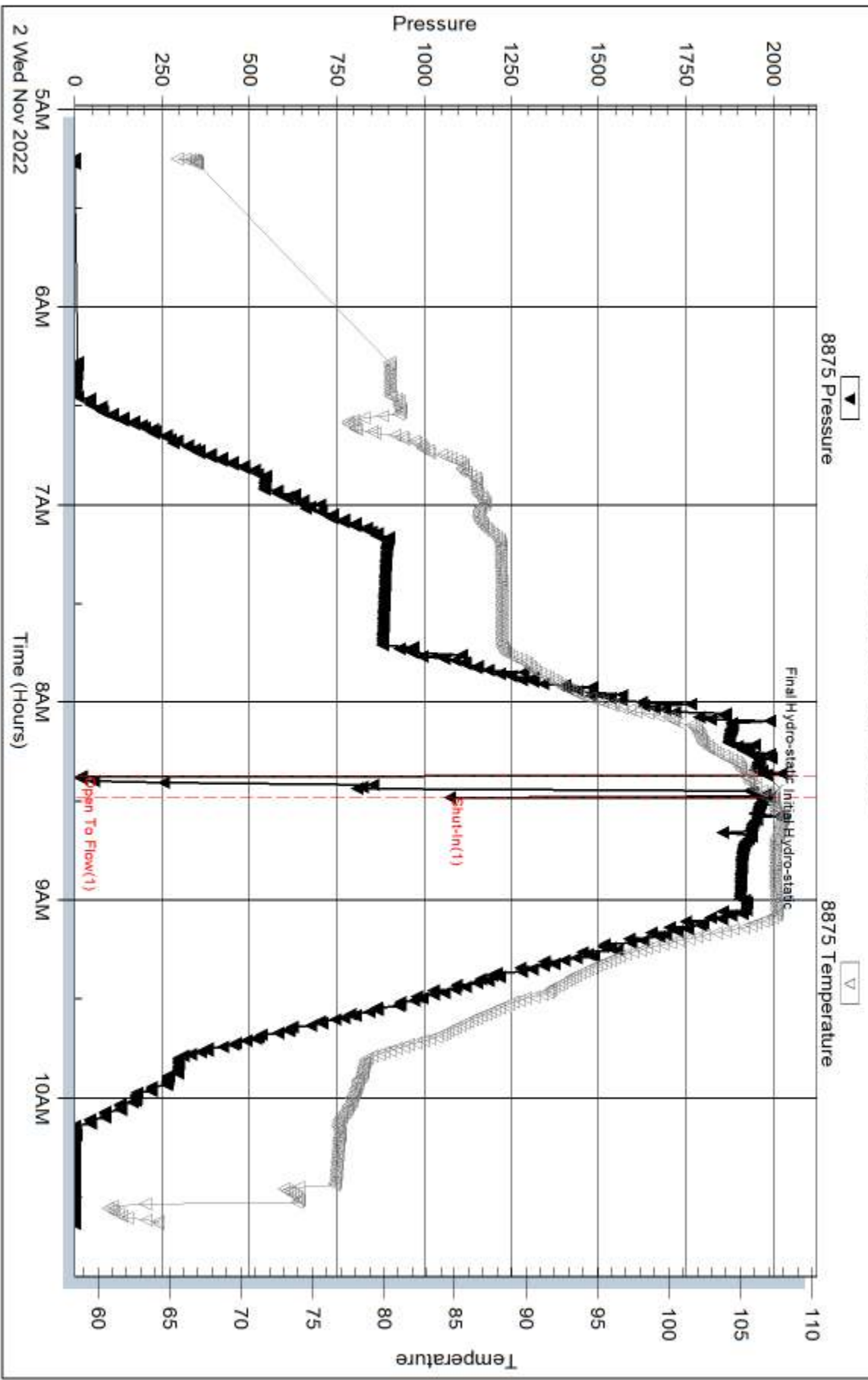
Inside

NEC Operating-Kansas LLC

Wrangler #2

DST Test Number: 1

Pressure vs. Time



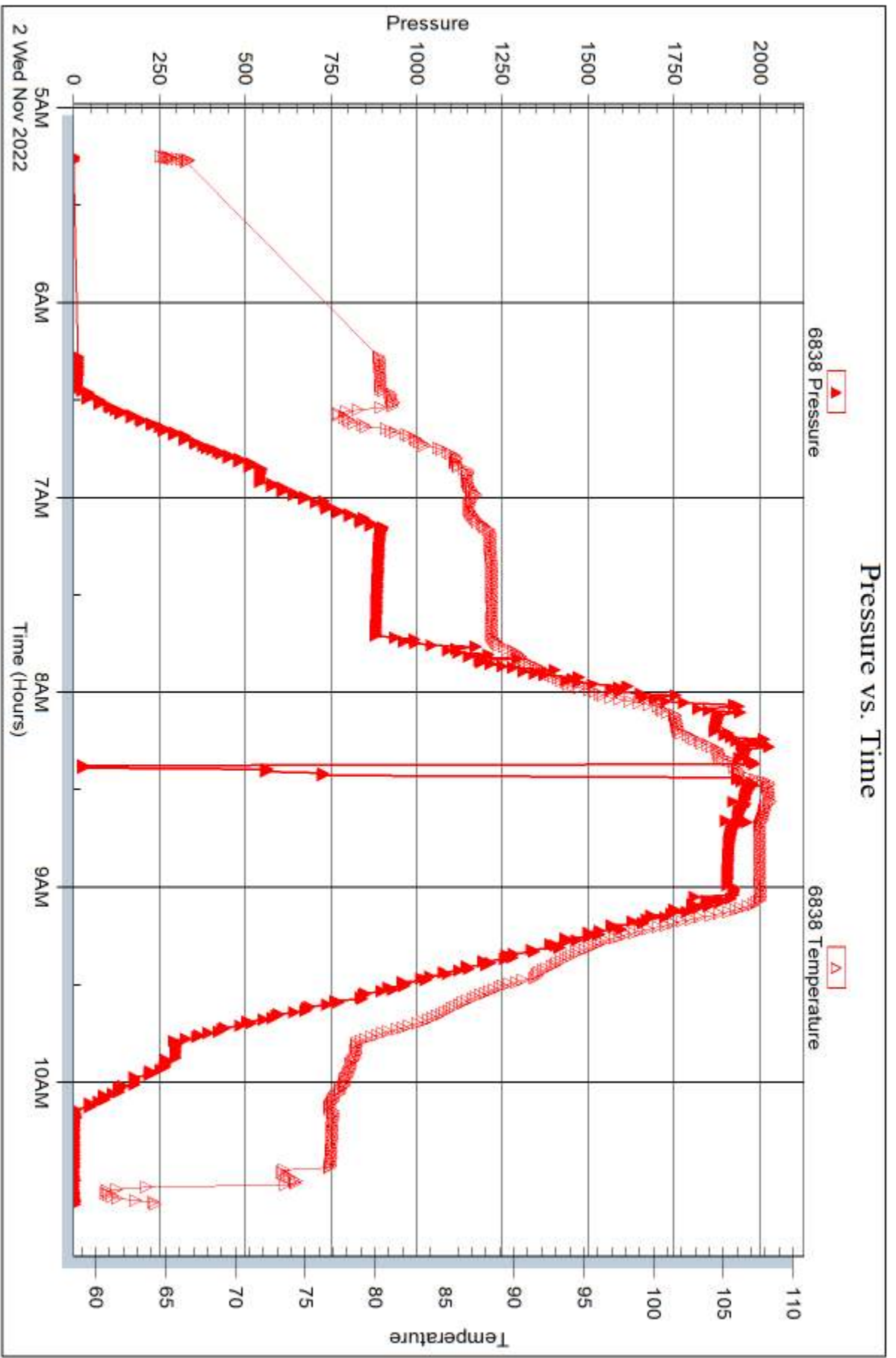
Serial #: 6838

Inside

NEC Operating-Kansas LLC

Wrangler #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **NEC Operating-Kansas LLC**

2516 Gravel Drive
Fort Worth TX 76118+6974

ATTN: Ryan Seib

Wrangler #2

25-11s-22w Trego,KS

Start Date: 2022.11.03 @ 06:22:00

End Date: 2022.11.03 @ 12:56:45

Job Ticket #: 69883 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.11.03 @ 17:00:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69883

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.11.03 @ 06:22:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:40:45

Time Test Ended: 12:56:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3966.00 ft (KB) To 4042.00 ft (KB) (TVD)

Reference Elevations: 2319.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

2314.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6625 Inside

Press@RunDepth: 55.65 psig @ 4033.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.11.03

End Date: 2022.11.03

Last Calib.: 2022.11.03

Start Time: 06:22:05

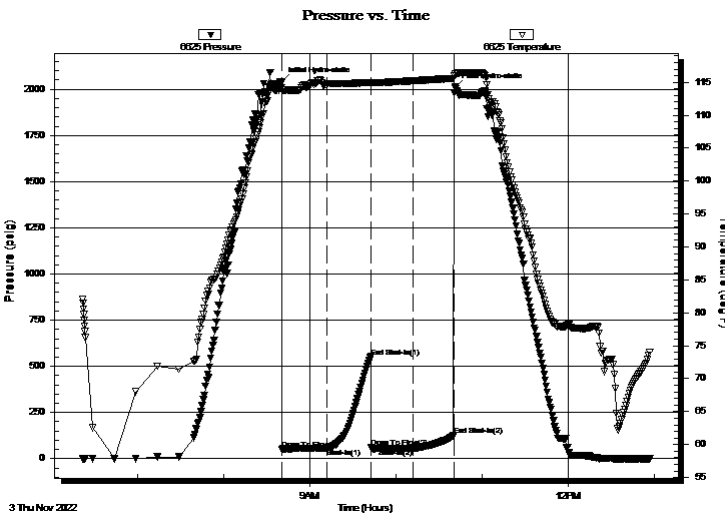
End Time: 12:56:44

Time On Btm: 2022.11.03 @ 08:40:30

Time Off Btm: 2022.11.03 @ 10:41:15

TEST COMMENT: IF-30- Built to 1"
SI1-30- No return
FF-30- Built to 1/4"
SI2-30- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.86	114.15	Initial Hydro-static
1	52.44	113.79	Open To Flow (1)
32	57.03	114.69	Shut-In(1)
62	551.88	114.97	End Shut-In(1)
63	59.45	114.85	Open To Flow (2)
92	55.65	115.22	Shut-In(2)
120	124.27	115.59	End Shut-In(2)
121	2010.96	116.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 5% oil 95% mud	0.28
5.00	OIL 100%	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

NEC Operating-Kansas LLC

25-11s-22w Trego, KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69883

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.11.03 @ 06:22:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:40:45

Time Test Ended: 12:56:45

Interval: 3966.00 ft (KB) To 4042.00 ft (KB) (TVD)

Total Depth: 4190.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Reference Elevations: 2319.00 ft (KB)

2314.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8652 Below (Straddle)

Press@RunDepth: psig @ 4059.00 ft (KB)

Start Date: 2022.11.03

End Date:

2022.11.03

Start Time: 06:22:05

End Time:

12:56:59

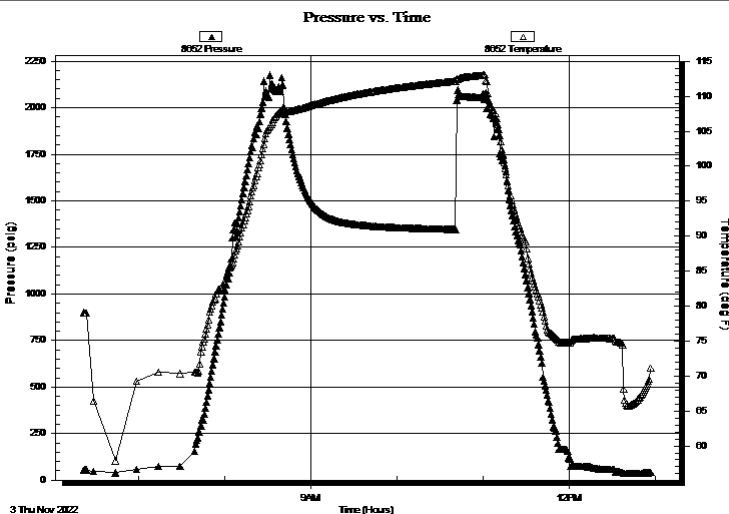
Capacity: 8000.00 psig

Last Calib.: 2022.11.03

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 1"
SI1-30- No return
FF-30- Built to 1/4"
SI2-30- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 5% oil 95% mud	0.28
5.00	OIL 100%	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

ATTN: Ryan Seib

Job Ticket: 69883

DST#: 2

Test Start: 2022.11.03 @ 06:22:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:40:45

Time Test Ended: 12:56:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3966.00 ft (KB) To 4042.00 ft (KB) (TVD)**

Reference Elevations: 2319.00 ft (KB)

Total Depth: 4190.00 ft (KB) (TVD)

2314.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8167 Outside

Press@RunDepth: psig @ 4033.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.11.03

End Date:

2022.11.03

Last Calib.:

2022.11.03

Start Time: 06:22:05

End Time:

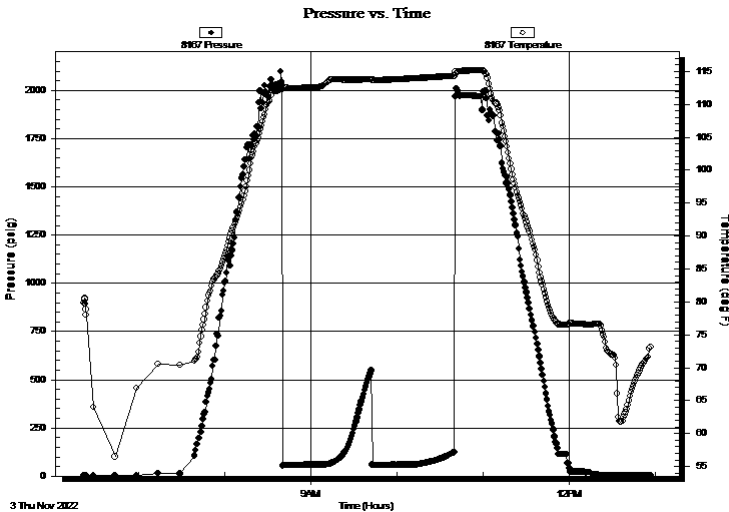
12:56:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 1"
SI1-30- No return
FF-30- Built to 1/4"
SI2-30- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 5% oil 95% mud	0.28
5.00	OIL 100%	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69883

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.11.03 @ 06:22:00

Tool Information

Drill Pipe:	Length: 3963.00 ft	Diameter: 3.82 inches	Volume: 56.18 bbl	Tool Weight:	2900.00 daN
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 daN
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	62000.00 daN
			<u>Total Volume: 56.18 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	54000.00 daN
Depth to Top Packer:	3966.00 ft			Final	54000.00 daN
Depth to Bottom Packer:	4039.00 ft				
Interval between Packers:	73.00 ft				
Tool Length:	252.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3939.00	
shut In Tool	5.00			3944.00	
hydraulic tool	5.00			3949.00	
Jars	5.00			3954.00	
Safety Joint	3.00			3957.00	
Packer	5.00			3962.00	28.00 Bottom Of Top Packer
Packer	4.00			3966.00	
Stubb	1.00			3967.00	
perforations	1.00			3968.00	
change Over Sub	1.00			3969.00	
drill Pipe	63.00			4032.00	
change Over Sub	1.00			4033.00	
Recorder	0.00	6625	Inside	4033.00	
Recorder	0.00	8167	Outside	4033.00	
perforations	5.00			4038.00	
Blank Off Sub	1.00			4039.00	
Packer	3.00			4042.00	73.00 Tool Interval
Packer	1.00			4043.00	
stubb	1.00			4044.00	
perforations	14.00			4058.00	
Change Over Sub	1.00			4059.00	
Recorder	0.00	8652	Below	4059.00	
Drill Pipe	126.00			4185.00	
change Over Sub	1.00			4186.00	
bullnose	4.00			4190.00	151.00 Bottom Packers & Anchor
Total Tool Length:	252.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating-Kansas LLC

25-11s-22w Trego,KS

2516 Gravel Drive
Fort Worth TX 76118+6974

Wrangler #2

Job Ticket: 69883

DST#: 2

ATTN: Ryan Seib

Test Start: 2022.11.03 @ 06:22:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	OCM 5% oil 95% mud	0.284
5.00	OIL 100%	0.071

Total Length: 25.00 ft Total Volume: 0.355 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM

Serial #: 6625

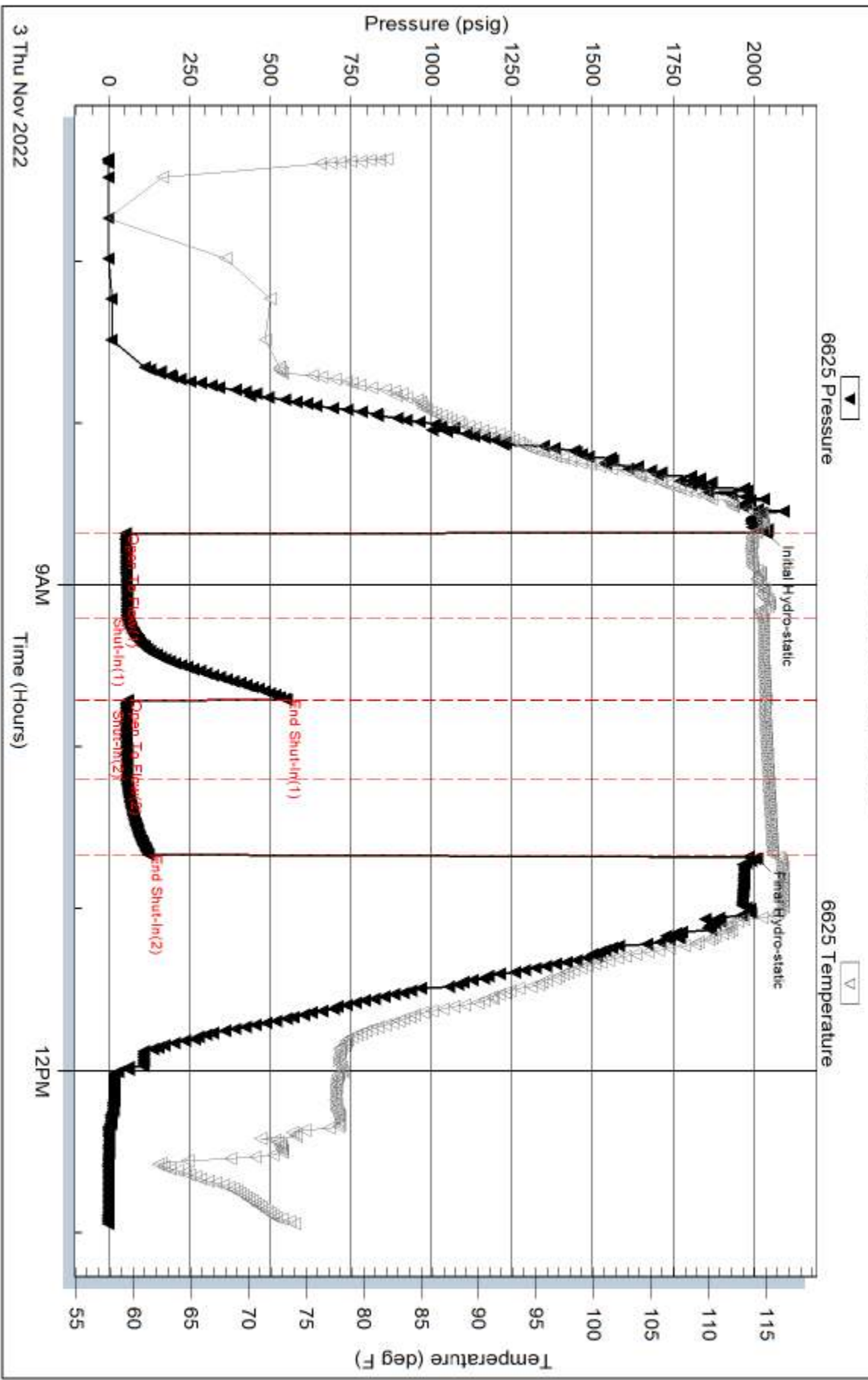
Inside

NEC Operating-Kansas LLC

Wrangler #2

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 69883

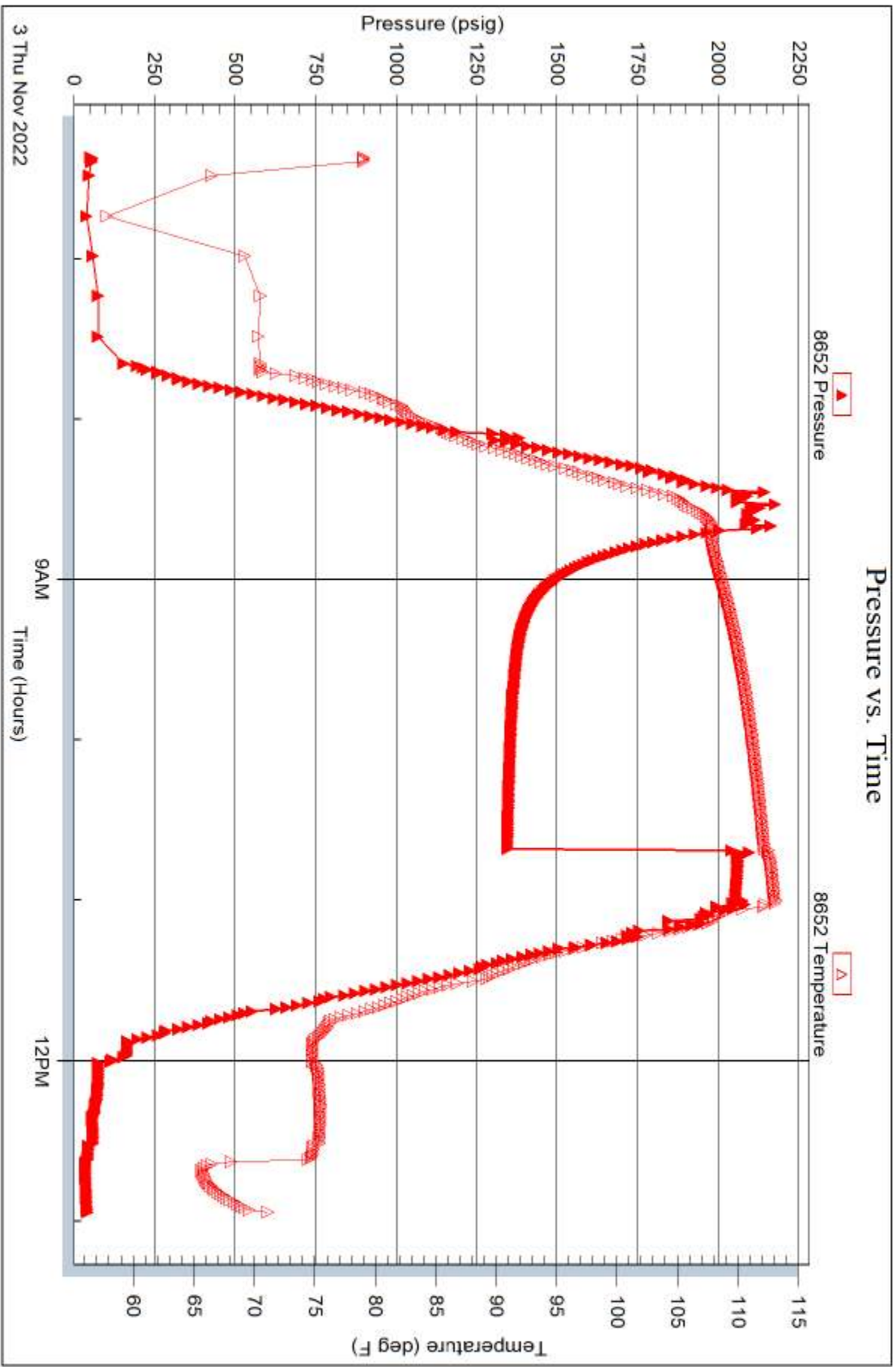
Printed: 2022.11.03 @ 17:00:24

Serial #: 8652

Below (Str ~~ATA~~) Operating-Kansas LLC

Wrangler #2

DST Test Number: 2

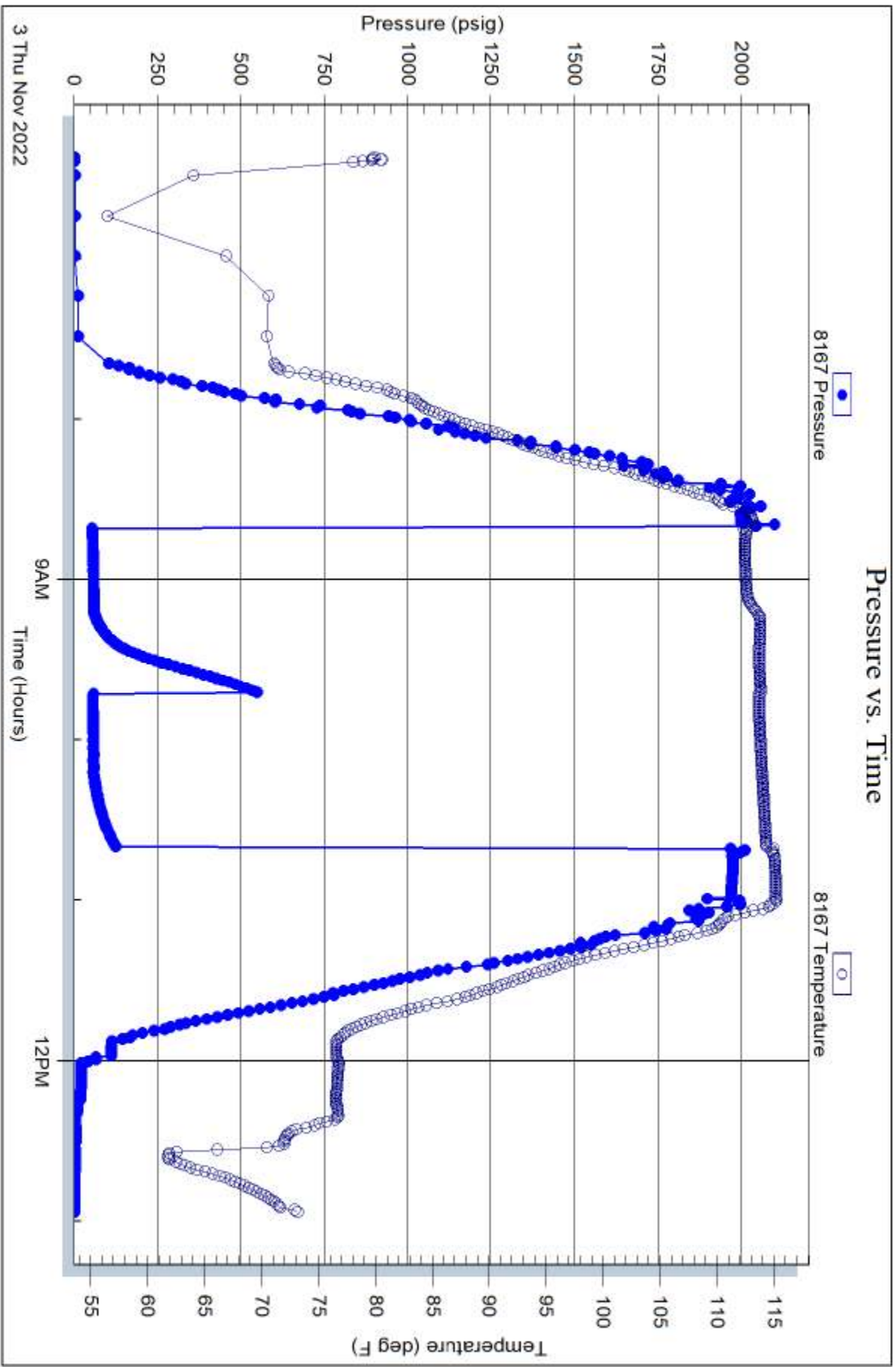


Serial #: 8167

Outside NEC Operating-Kansas LLC

Wrangler #2

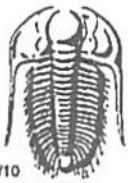
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69883

Printed: 2022.11.03 @ 17:00:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69825**

Well Name & No. Wrangler # 2 Test No. 1 Date 11/02/2022
 Company N&C Operating - Kansas LLC Elevation 2319 KB 2314 GL
 Address 2516 Travel Drive Fort Worth TX 76118+6974
 Co. Rep / Geo. Ryan Seib Rig White Knight
 Location: Sec. 25 Twp 11s Rge. 25w Co. Trego State Ks

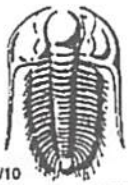
Interval Tested 3952'-3990' Zone Tested Marmator
 Anchor Length 38' Drill Pipe Run 3929' Mud Wt. 8.8
 Top Packer Depth 3947' Drill Collars Run - Vis 53
 Bottom Packer Depth 3952' Wt. Pipe Run - WL 8.8
 Total Depth 3990' Chlorides 3000 ppm System LCM 2#
 Blow Description 17- Surface to 1.5' in 2 mins, packer failed tried to reset; didn't hold

Rec	Feet of	%gas	%oil	%water	%mud
<u>500'</u>	<u>Mud w/ few oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 500' BHT 106° Gravity - API RW - @ - F Chlorides - ppm

(A) Initial Hydrostatic <u>1983</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>00:15</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>05:15</u>
(C) First Final Flow <u>1074</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>08:22</u>
(D) Initial Shut-In <u>-</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>08:28</u>
(E) Second Initial Flow <u>-</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>10:30</u>
(F) Second Final Flow <u>-</u>	<input checked="" type="checkbox"/> Mileage <u>66rt 115.50</u>	Comments
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1989</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>-350</u>
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>-</u>	<input type="checkbox"/> Extra Packer	<input checked="" type="checkbox"/> Ruined Packer <u>460</u>
Final Flow <u>-</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>-</u>	<input type="checkbox"/> Day Standby	Sub Total <u>460 - 350</u>
	<input type="checkbox"/> Accessibility	Total <u>1875.50</u>
	Sub Total <u>1765.50</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69883**

Well Name & No. Wrangler #2 Test No. 2 Date 11/3/22
 Company NEC Operating - Kansas LLC Elevation 2319 KB 2314 GL
 Address 2516 Gravel Drive Fort Worth, TX 76118
 Co. Rep / Geo. Ryan Seib Rig White Knight
 Location: Sec. 25 Twp 11S Rge. 22W Co. Trego State KS

Interval Tested 3966-4042 Zone Tested Marmaton
 Anchor Length 76 Drill Pipe Run 3963 Mud Wt. 9.4
 Top Packer Depth 3961 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 3966 SP-4042 Wt. Pipe Run 0 WL 8.8
 Total Depth 4190 Chlorides 4000 ppm System LCM #

Blow Description IF - Built to 1"
S17 - No Return
FF - Built to 1/4"
S12 - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>OCM</u>	<u>5</u>	<u>5</u>	<u>95</u>	<u>95</u>
<u>5</u>	<u>oil</u>	<u>100</u>	<u>100</u>		

Rec Total 25' BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2039 Test 1950 T-On Location 03:50
 (B) First Initial Flow 52 Jars 300 T-Started 06:22
 (C) First Final Flow 57 Safety Joint _____ T-Open 08:41
 (D) Initial Shut-In 552 Circ Sub N/A T-Pulled 10:41
 (E) Second Initial Flow 59 Hourly Standby _____ T-Out 12:57
 (F) Second Final Flow 516 Mileage 666 115.50 Comments _____
 (G) Final Shut-In 124 Sampler _____
 (H) Final Hydrostatic 2011 Straddle 800 EM Tool -350
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total -350
 Accessibility _____ Total 3065.50
 Sub Total 3415.50 MP/DST Disc't _____

Approved By _____ Our Representative Dust Dy

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

mmh



416 Main Street
P.O. Box 225
Victoria, KS 67671
Office (785) 639-3949
24 Hour Service Line (785) 639-7269

Invoice

Date	Invoice #
10/20/2022	0759

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	Wrangler 2	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	42	6.50	273.00
Ton Mileage (min.)	1	600.00	600.00
Surface Blend	175	24.50	4,287.50T
Discount		-315.52	-315.52

PAID
CK. NO. 0126
DATE 11-17-22

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

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

Subtotal	\$5,994.98
Sales Tax (7.5%)	\$305.48
Balance Due	\$6,300.46

FRANKS Oilfield Service

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

NET NUMBER 0759

LOCATION Uteyarra

FOREMAN Tam Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-20-22	35920	Wrangler 2	25	11	22W	Trego
CUSTOMER NEL Operating-Kansas LLC			TRUCK #			
MAILING ADDRESS 2916 Gravel Drive			DRIVER			
CITY Fort Worth		STATE TX	ZIP CODE 76119	TRUCK #		
				DRIVER		

JOB TYPE surface HOLE SIZE _____ HOLE DEPTH 223' CASING SIZE & WEIGHT 8 3/8" 23#
 CASING DEPTH 221' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & set up on White Knight. Circulated well mix 175sf surface blend. Displaced 13 Bbl & started 7:15pm

Thanks Tam & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC002	1	PUMP CHARGE <u>Surface</u>	\$1150.00	\$1150.00
MO01	42	MILEAGE	\$6.50	\$273.00
MO02	8.58 tons	Tan Mileage Delivery	\$600.00	\$600.00
CB004	175sf	Class A 3900 290gel	\$24.50	\$4287.50
			sub total	\$6,310.50
			less 9% disc.	\$315.52
			sub total	\$5,994.98
			SALES TAX	305.48
			ESTIMATED TOTAL	6300.46

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.



416 Main Street
 P.O. Box 225
 Victoria, KS 67671
 Office (785) 639-3949
 24 Hour Service Line (785) 639-7269

MTI

Invoice

Date	Invoice #
10/25/2022	0765

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	Wrangler 2	Net 30	DV Tool

Description	Quantity	Rate	Amount
Pump Charge	1	2,500.00	2,500.00
Mileage	42	6.50	273.00
26.10 tons at 42 miles	1,096.2	1.50	1,644.30
Thixo blend OWC	150	28.55	4,282.50T
60/40 8% gel 1/4# Flo-Seal	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" Turbalizer Centralizers	9	108.00	972.00T
5-1/2" Basket	3	385.00	1,155.00T
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
51/2 Stop Ring	3	35.00	105.00T
Discount		-1,328.02	-1,328.02

PAID
 CHECK 0126
 DATE 11-17-22

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	Subtotal	\$25,232.53
<i>We appreciate your business and look forward to serving you again!</i>	Sales Tax (7.5%)	\$1,577.71
	Balance Due	\$26,810.24

FRANKS Oilfield Service

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

(NET NUMBER) 0765

LOCATION Victoria

FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-25-22	35920	Wrangler 2	25	11	22W	Trego
CUSTOMER NEL Operating - Kansas LLC			TRUCK #			
MAILING ADDRESS 2516 Gravel Drive			DRIVER			
CITY Fort Worth		STATE TX	ZIP CODE 76118	TRUCK #		
				DRIVER		
				102 Tom W		
				201 Jack T		
				41301 Chase M		
				Preston D		

JOB TYPE DV Tool HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2"
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting + set up on White Knight Drilling. Run float equipment. Hooked up head and manifold. Circulate 1hr Mix 500gal mud Flush followed by 20 Bbl KCL water. Mix 150 54 OWC. Displace plug. Drop dart - 20min open. Dr 60d. Circulate 1hr. Mix 500gal mud Flush followed by 388 sp - 30 RH 320 down hole. Displace plug. Release pressure. Back up more 97 plug down 12:30am

Cement did circulate

Thanks Tom + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
FE004	1	PUMP CHARGE	\$2500 ⁰⁰	\$2500 ⁰⁰
MO01	42	MILEAGE	\$6 ⁵⁰	\$273 ⁰⁰
MO02	26.10 tons	Ton Mileage Delivery	\$16.44 ³⁰	\$1644 ³⁰
CB030	150 54	Class A Gyp slur / 100 54 / 200 gal / 5 # water	\$28 ⁵⁵	\$4282 ⁵⁰
CB021	425 sp	60/40 890 gal 1/4" F10SCG	\$17 ³⁵	\$7,373 ⁷⁵
FE0033	1	5 1/2" AFU Guide shoe	\$600 ⁰⁰	\$600 ⁰⁰
FE051	1	5 1/2" Latch down plug assy	\$695 ⁰⁰	\$695 ⁰⁰
FE059	1	5 1/2" DV Tool	\$4200 ⁰⁰	\$4200 ⁰⁰
FE014	9	5 1/2" Turbolizer	\$108 ⁰⁰	\$972 ⁰⁰
FE022	3	5 1/2" basket	\$385 ⁰⁰	\$1155 ⁰⁰
FE096	20	5 1/2" reciprocating scrapers	\$75 ⁰⁰	\$1500 ⁰⁰
CP013	1000 gal	mud Flush	\$1 ⁰⁰	\$1000 ⁰⁰
CP014	2 gal	KCL	\$30 ⁰⁰	\$60 ⁰⁰
CE003	1	5 1/2" head + manifold	\$200 ⁰⁰	\$200 ⁰⁰
FE102	3	5 1/2" stop ring	\$35 ⁰⁰	\$105 ⁰⁰
			sub total	\$26,560 ⁵⁵
			less 5% disc.	\$1,328 ⁰²
			sub total	\$25,232 ⁵³
			SALES TAX	1577.71
			ESTIMATED TOTAL	26810.24

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.