

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				

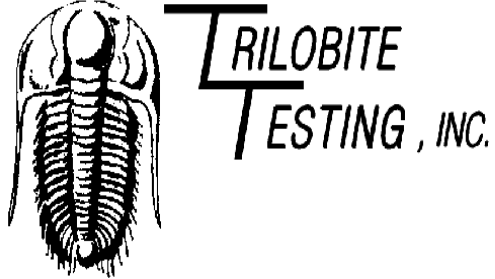
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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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DRILL STEM TEST REPORT

Prepared For: **NEC Operating**

2516 Gravel Drive
Fort worth, TX 76118

ATTN: Sean Deenihan

Wrangler #5

5-12s-21w Trego,KS

Start Date: 2023.02.13 @ 21:00:00

End Date: 2023.02.14 @ 03:24:00

Job Ticket #: 70137 DST #: 1

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

Printed: 2023.02.15 @ 12:06:00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

NEC Operating

5-12s-21w Trego,KS

2516 Gravel Drive
Fort Worth, TX 76118

Wrangler #5

ATTN: Sean Deenihan

Job Ticket: 70137

DST#: 1

Test Start: 2023.02.13 @ 21:00:00

GENERAL INFORMATION:

Formation: **LKC D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:13:15

Time Test Ended: 03:24:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3712.00 ft (KB) To 3748.00 ft (KB) (TVD)

Reference Elevations: 2354.00 ft (KB)

Total Depth: 3748.00 ft (KB) (TVD)

2346.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 55.13 psig @ 3713.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.02.13

End Date:

2023.02.14

Last Calib.: 2023.02.14

Start Time: 21:00:05

End Time:

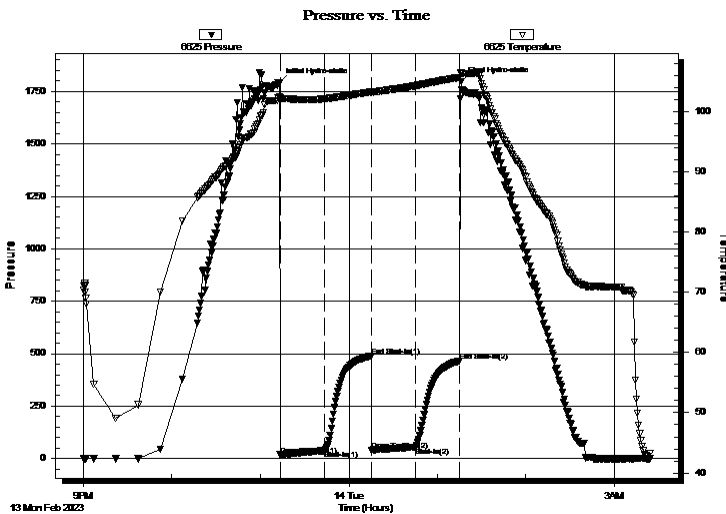
03:23:59

Time On Btm: 2023.02.13 @ 23:13:00

Time Off Btm: 2023.02.14 @ 01:16:15

TEST COMMENT: IF-30- Built to 2"
SI1-30- No return
FF-30- Built to 1 1/2"
SI2-30- No return

PRESSURE SUMMARY



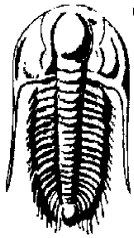
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.58	102.55	Initial Hydro-static
1	17.96	102.14	Open To Flow (1)
31	37.61	102.16	Shut-In(1)
62	488.84	103.29	End Shut-In(1)
63	40.85	103.28	Open To Flow (2)
92	55.13	104.32	Shut-In(2)
122	465.39	105.67	End Shut-In(2)
124	1796.78	106.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GM 5% gas 95% mud (w/oil spots)	0.34

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

NEC Operating
 2516 Gravel Drive
 Fort Worth, TX 76118
 ATTN: Sean Deenihan

5-12s-21w Trego, KS
Wrangler #5
 Job Ticket: 70137 **DST#: 1**
 Test Start: 2023.02.13 @ 21:00:00

GENERAL INFORMATION:

Formation: **LKC D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:13:15
 Time Test Ended: 03:24:00
Interval: 3712.00 ft (KB) To 3748.00 ft (KB) (TVD)
 Total Depth: 3748.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2354.00 ft (KB)
 2346.00 ft (CF)
 KB to GR/CF: 8.00 ft

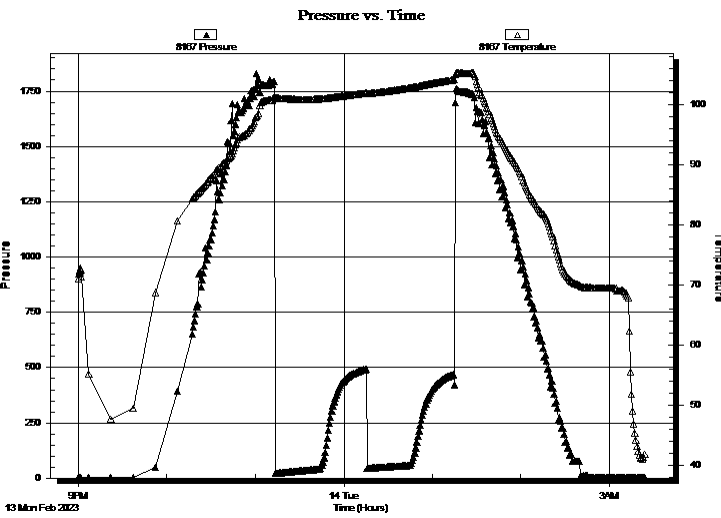
Serial #: 8167 Outside

Press@RunDepth: psig @ 3713.00 ft (KB)
 Start Date: 2023.02.13 End Date: 2023.02.14
 Start Time: 21:00:05 End Time: 03:23:59

Capacity: 8000.00 psig
 Last Calib.: 2023.02.14
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-30- Built to 2"
 SI1-30- No return
 FF-30- Built to 1 1/2"
 SI2-30- No return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GM 5% gas 95% mud (w/oil spots)	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

NEC Operating

5-12s-21w Trego,KS

2516 Gravel Drive
Fort worth, TX 76118

Wrangler #5

Job Ticket: 70137

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.02.13 @ 21:00:00

Tool Information

Drill Pipe:	Length: 3566.00 ft	Diameter: 3.80 inches	Volume: 50.02 bbl	Tool Weight:	2900.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	64000.00 lb
			<u>Total Volume: 50.63 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3712.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	67.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3682.00	
shut In Tool	5.00			3687.00	
hydraulic tool	5.00			3692.00	
Jars	5.00			3697.00	
EM Tool	3.00			3700.00	
Safety Joint	3.00			3703.00	
Packer	5.00			3708.00	31.00 Bottom Of Top Packer
Packer	4.00			3712.00	
Stubb	1.00			3713.00	
Recorder	0.00	6625	Inside	3713.00	
Recorder	0.00	8167	Outside	3713.00	
perforations	2.00			3715.00	
change Over Sub	1.00			3716.00	
drill Pipe	32.00			3748.00	36.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating

5-12s-21w Trego,KS

2516 Gravel Drive
Fort worth, TX 76118

Wrangler #5

Job Ticket: 70137

DST#: 1

ATTN: Sean Deenihan

Test Start: 2023.02.13 @ 21:00:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GM 5% gas 95% mud (w/oil spots)	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 1#

Serial #: 6625

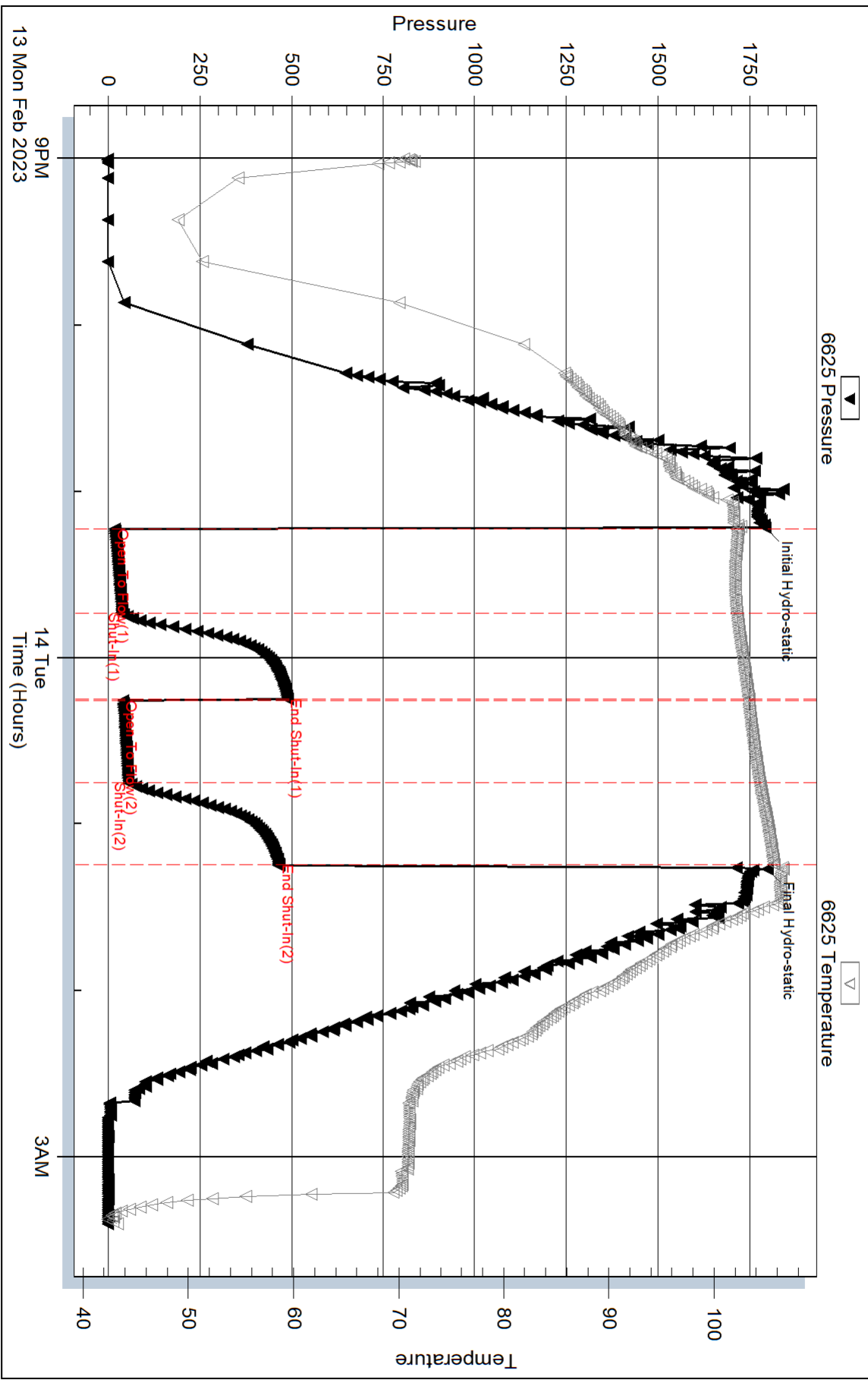
Inside

NEC Operating

Wrangler #5

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 70137

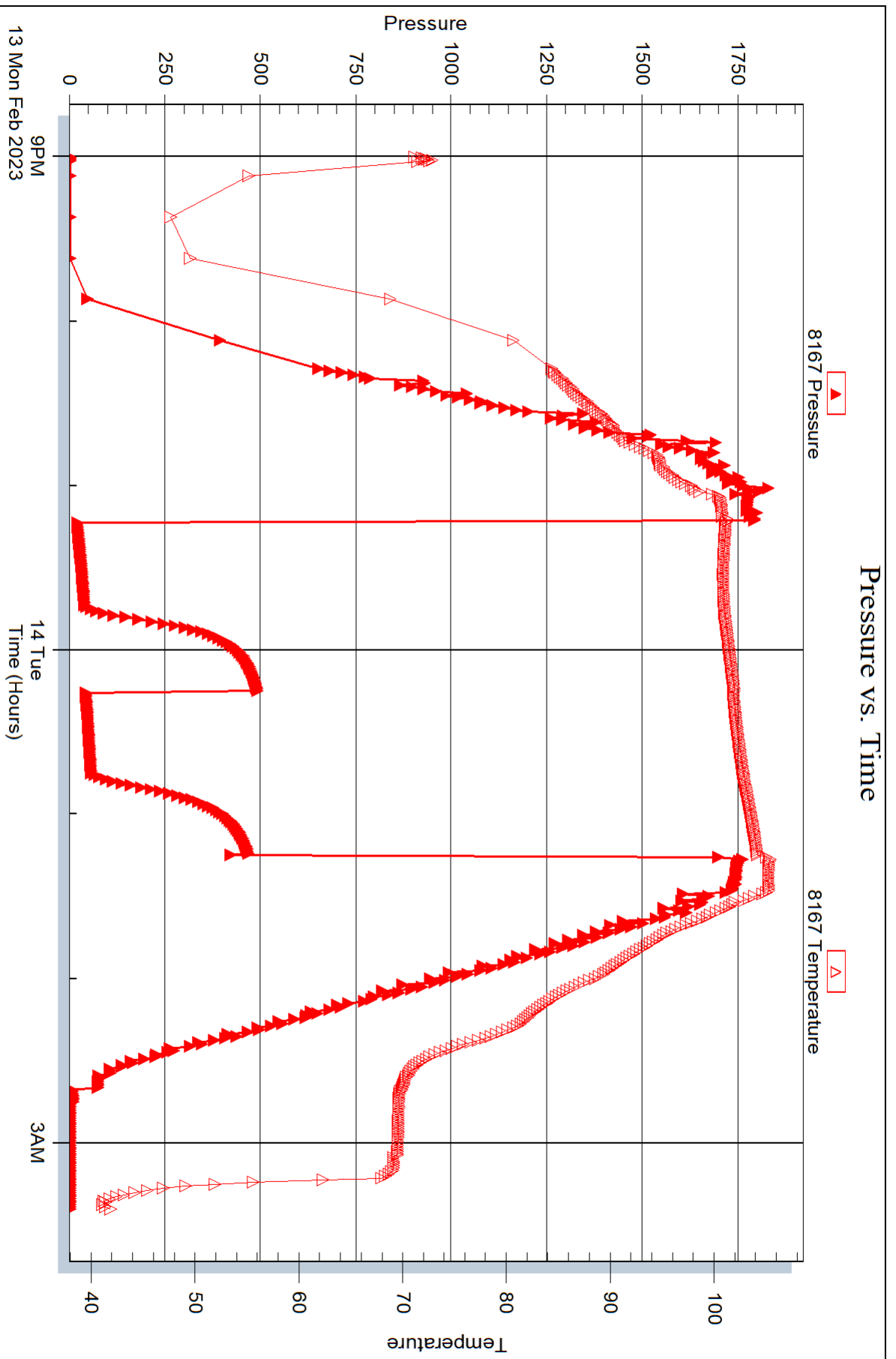
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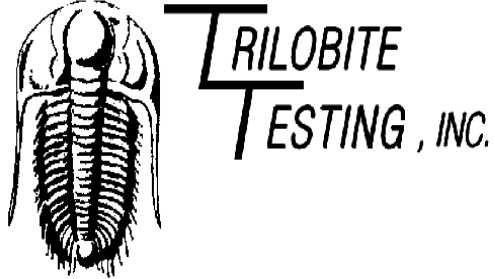
Serial #: 8167

Outside NEC Operating

Wrangler #5

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **NEC Operating**

2516 Gravel Drive
Fort worth, TX 76118

ATTN: Sean Deenihan

Wrangler #5

5-12s-21w Trego,KS

Start Date: 2023.02.14 @ 16:53:00

End Date: 2023.02.15 @ 00:23:45

Job Ticket #: 70138 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.02.15 @ 12:04:46



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

NEC Operating

5-12s-21w Trego,KS

2516 Gravel Drive
Fort Worth, TX 76118

Wrangler #5

Job Ticket: 70138

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.02.14 @ 16:53:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:58:30

Time Test Ended: 00:23:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 4048.00 ft (KB) To 4058.00 ft (KB) (TVD)

Reference Elevations: 2354.00 ft (KB)

Total Depth: 4058.00 ft (KB) (TVD)

2346.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 270.87 psig @ 4049.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.02.14

End Date:

2023.02.15

Last Calib.:

2023.02.15

Start Time:

16:53:05

End Time:

00:23:44

Time On Btm:

2023.02.14 @ 18:58:15

Time Off Btm:

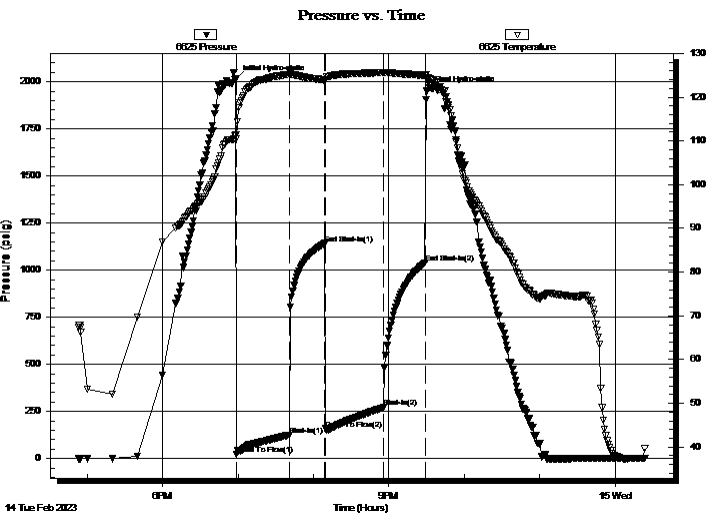
2023.02.14 @ 21:30:15

TEST COMMENT: IF-45- Built to 10"

SI1-30- No return

FF-45- BOB in 19 min, built to 15"

SI2-30- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.38	111.44	Initial Hydro-static
1	22.49	110.57	Open To Flow (1)
43	124.81	125.19	Shut-In(1)
71	1141.17	123.93	End Shut-In(1)
72	157.77	123.81	Open To Flow (2)
118	270.87	125.61	Shut-In(2)
151	1038.42	125.01	End Shut-In(2)
152	1951.00	124.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	water 100%	5.88
65.00	SMCW 5% mud 95% w ater	0.91

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

NEC Operating

5-12s-21w Trego,KS

2516 Gravel Drive
Fort worth, TX 76118

Wrangler #5

Job Ticket: 70138

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.02.14 @ 16:53:00

Tool Information

Drill Pipe:	Length: 3915.00 ft	Diameter: 3.80 inches	Volume: 54.92 bbl	Tool Weight:	2900.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 55.53 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4048.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	41.00 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			4018.00	
shut In Tool	5.00			4023.00	
hydraulic tool	5.00			4028.00	
Jars	5.00			4033.00	
EM Tool	3.00			4036.00	
Safety Joint	3.00			4039.00	
Packer	5.00			4044.00	31.00 Bottom Of Top Packer
Packer	4.00			4048.00	
Stubb	1.00			4049.00	
Recorder	0.00	6625	Inside	4049.00	
Recorder	0.00	8167	Outside	4049.00	
perforations	5.00			4054.00	
bullnose	4.00			4058.00	10.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

NEC Operating

5-12s-21w Trego,KS

2516 Gravel Drive
Fort worth, TX 76118

Wrangler #5

Job Ticket: 70138

DST#: 2

ATTN: Sean Deenihan

Test Start: 2023.02.14 @ 16:53:00

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:

27000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
500.00	water 100%	5.884
65.00	SMCW 5% mud 95% w ater	0.912

Total Length: 565.00 ft

Total Volume: 6.796 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM

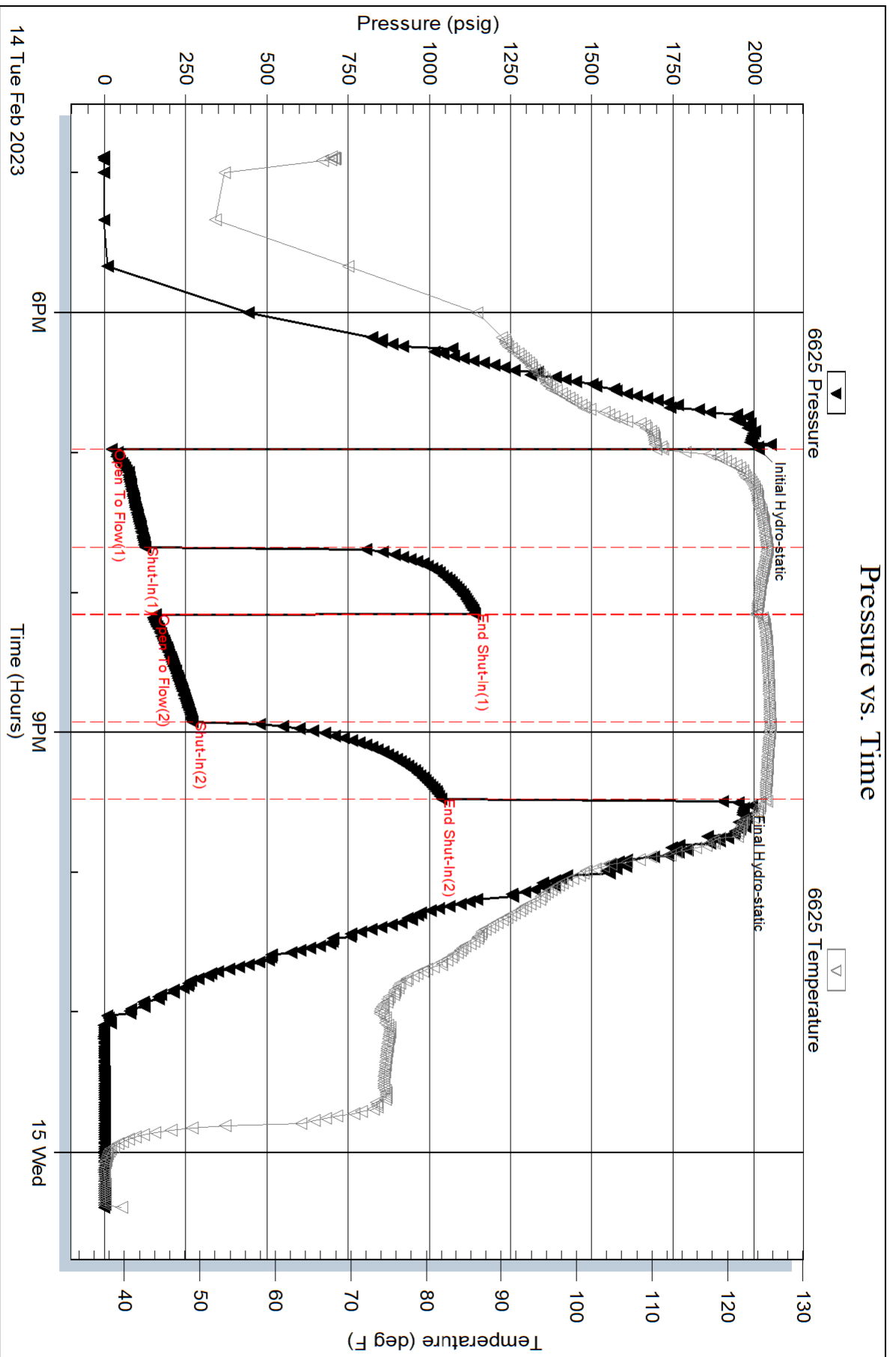
Serial #: 6625

Inside

NEC Operating

Wrangler #5

DST Test Number: 2

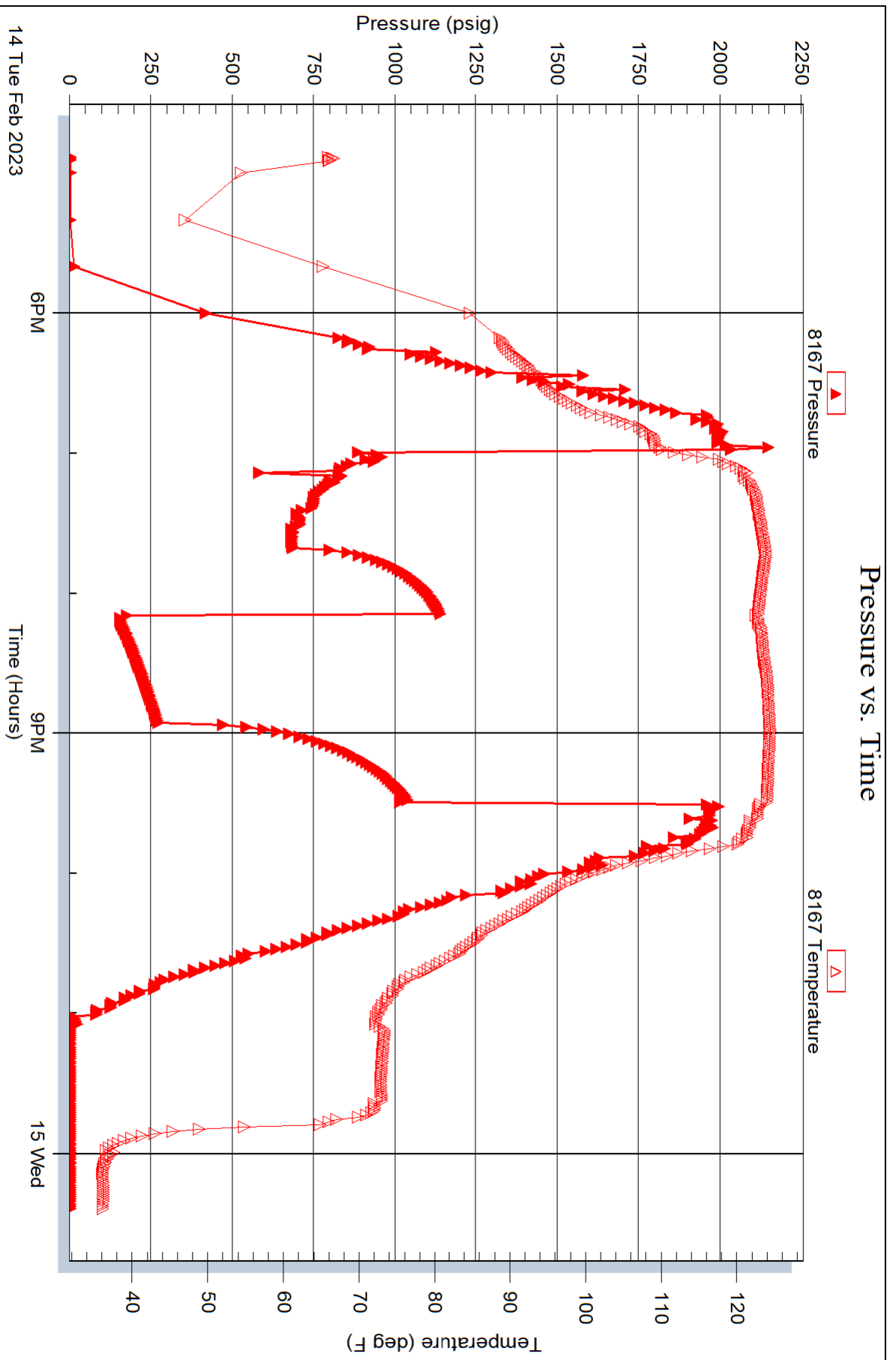


Serial #: 8167

Outside NEC Operating

Wrangler #5

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70137**

Well Name & No. Wrangler #5 Test No. 1 Date 2/13-14/23
 Company NEC operating ~~2516 Gravel Drive Fort Worth, TX 76118~~ Elevation 2354 KB 2346 GL
 Address 2516 Gravel Drive Fort Worth, TX 76118
 Co. Rep / Geo Sean Deenihan Rig Pickroll Rig #10
 Location: Sec. 5 Twp 12S Rge. 21W Co. Trego State KS

Interval Tested 3712-3748 Zone Tested LKC D
 Anchor Length 36' Drill Pipe Run 3566 Mud Wt. 9.0
 Top Packer Depth 3707 Drill Collars Run 124 Vis 666
 Bottom Packer Depth 3712 Wt. Pipe Run Ø WL 7.2
 Total Depth 3748 Chlorides 1000 ppm System LCM #

Blow Description FF-Built to 2"
Ø512- No return
FF-Built to 1 1/2"
S12- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>GM w/ail spots</u>	<u>5</u>			<u>95</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	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70 BHT 106 Gravity _____ API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic 1793 Test 1800 Ruined Shale Packer _____
 Initial Flow 18 to 38 Jars 300 Ruined Packer _____
 Initial Shut-In 489 Circ Sub _____ Hotel _____
 Final Flow 41 to 55 Hourly Standby _____ EM Tool Successful _____
 Final Shut-In 465 Mileage 56 98 Accessibility _____
 Final Hydrostatic 1797 Sampler _____ Gas Sample _____
 T-On Location 19:45 Straddle _____ Sub Total 0
 Initial Flow 30 T-Started 21:00 Shale Packer 250 Total 2448
 Initial Shut-In 30 T-Open 23:13 Extra Packer _____ Tool Loaded _____ @ _____
 Final Flow 30 T-Pulled 01:13 2/14 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In 30 T-Out 03:24 Day Standby _____

Comments _____

Approved By _____ Our Representative D.A. Dy

TriLOBITE TESTING INC. shall not be liable for damage of any kind of 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. **70138**

Well Name & No. Wrangler#5 Test No. 2 Date 2/14/23
 Company NEC Operating Elevation 2354 KB 2346 GL
 Address 2516 Gravel Drive Fort Worth, TX 76118
 Co. Rep / Geo Sean Deenihan Rig Pickrell Rig #10
 Location: Sec. 5 Twp 12S Rge. 21W Co. Trego State KS

Interval Tested 4048-4058 Zone Tested Arbuckle
 Anchor Length 10 Drill Pipe Run 3915 Mud Wt. 90
 Top Packer Depth 4043 Drill Collars Run 124 Vis 53
 Bottom Packer Depth 4048 Wt. Pipe Run Ø WL 68
 Total Depth 4058 Chlorides 1800 ppm System LCM 1#

Blow Description IF-Built to 10"
S17-No return
FF-BOB in 19 min. Built to 15"
S12-No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>500</u>	<u>Water</u>			<u>100</u>	
<u>65</u>	<u>S.M.C.W</u>			<u>95</u>	<u>5</u>

Rec Total 565' BHT 125 Gravity _____ API RW 490 @ 37 °F Chlorides 27000 ppm
 Initial Hydrostatic 2014 Test 1950 Ruined Shale Packer _____
 Initial Flow 22 to 125 Jars 300 Ruined Packer _____
 Initial Shut-In 1141 Circ Sub _____ Hotel _____
 Final Flow 158 to 271 Hourly Standby _____ EM Tool Successful -350
 Final Shut-In 1038 Mileage 56 98 Accessibility _____
 Final Hydrostatic 1951 Sampler _____ Gas Sample _____
 T-On Location 16:00 Straddle _____ Sub Total -350
 Initial Flow 45 T-Started 16:53 Shale Packer 250 Total 2248
 Initial Shut-In 30 T-Open 18:59 Extra Packer _____ Tool Loaded _____ @ _____
 Final Flow 45 T-Pulled 21:26 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In 30 T-Out 00:33 Day Standby _____

Comments _____

Approved By _____ Our Representative DUSTY

TriLOBITE TESTING INC. shall not be liable for damage of any kind of 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.



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

Invoice

Date	Invoice #
2/10/2023	0861

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 542 Silicon Drive Suite 100 Southlake, TX 76092

*Shaw
 Creek
 2*

County/State	Lease/Well#	Terms	Job Type
Trego County, KS	Wrangler #5	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	70	6.50	455.00
8.64 tons at 70 miles	604.8	1.50	907.20
Surface Blend	175	25.50	4,462.50T
Discount		-348.73	-348.73

Thank you

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

Subtotal \$6,625.97

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

Sales Tax (7.5%) \$317.95

Balance Due \$6,943.92

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 0861
 LOCATION Hoxie KS
 FOREMAN Preston

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-10-23		Wangler #5	5	12	21	Trego
CUSTOMER NEC Operating - Koons, LLC			TRUCK #			
MAILING ADDRESS			DRIVER		TRUCK #	
CITY			DRIVER		TRUCK #	
STATE			DRIVER		TRUCK #	
ZIP CODE			DRIVER		TRUCK #	

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 221 CASING SIZE & WEIGHT 8 5/8 23
 CASING DEPTH 220 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL 1.31 WATER gal/sk _____ CEMENT LEFT in CASING 15
 DISPLACEMENT 12.75 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up on Pickwell. Circulate 8 5/8" Mix 175 sacks common 3% cc 2% gel.
Displace w/ 12.75 Bbls H₂O.

cement did circulate.
Thanks.
Preston + crew.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL002	1	PUMP CHARGE	\$1150 ⁰⁰	\$1150 ⁰⁰
MD01	70	MILEAGE	\$455 ⁰⁰	\$455 ⁰⁰
MD02	8.14 tons	Ton Mileage Delivery	\$907 ²⁰	\$907 ²⁰
CB004	175 sacks	Class A 3% cc 2% gel	\$25 ⁵⁰	\$4,462 ⁵⁰
			subtotal	\$6,974 ⁷⁰
			less 5% disc.	\$348 ⁷³
			subtotal	\$6,625 ⁹⁷
			SALES TAX	371.95
			ESTIMATED TOTAL	6943.92

AUTHORIZATION [Signature] 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

Invoice

Date	Invoice #
2/15/2023	0869

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 542 Silicon Drive Suite 100 Southlake, TX 76092

*Shaw
 Creek
 2*

County/State	Lease/Well#	Terms	Job Type
Trego County, KS	Wrangler #5	Net 30	DV Tool

Description	Quantity	Rate	Amount
Pump Charge	1	2,500.00	2,500.00
Mileage	70	6.50	455.00
28.18 tons at 70 miles	1,972.6	1.50	2,958.90
Thixo blend OWC	150	29.55	4,432.50T
60/40 8% gel 1/4# Flo-Seal	425	17.95	7,628.75T
5-1/2" Guide Shoe AFU	1	600.00	600.00T
5-1/2" Flex Latchdown Plug & Assembly	1	695.00	695.00T
5-1/2" Turbalizer Centralizers	9	108.00	972.00T
5-1/2" Basket	3	385.00	1,155.00T
51/2 Stop Ring	3	35.00	105.00T
5-1/2" DV Tool	1	4,200.00	4,200.00T
Head & Manifold Charge	1	200.00	200.00T
Salt	100	0.50	50.00T
Mud Flush	1,000	1.00	1,000.00T
KCL	2	30.00	60.00T
Discount		-1,350.60	-1,350.60

Thank you!

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	Subtotal	\$25,661.55
<i>We appreciate your business and look forward to serving you again!</i>	Sales Tax (7.5%)	\$1,503.25
	Balance Due	\$27,164.80

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 0869
 LOCATION Hoxie
 FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY			
2-15-23	35920	Wrangler H.S	5	12	21	Trego			
CUSTOMER NEE Operating - Kansas L.L.		TRUCK #		DRIVER		TRUCK #		DRIVER	
MAILING ADDRESS 2516 Gravel Drive		103		Preston D					
CITY Fort Worth		41301		Jade T					
STATE TX		202		Chase M					
ZIP CODE 76118				Tom W					

JOB TYPE DV Tool HOLE SIZE 7 7/8" HOLE DEPTH 4150' CASING SIZE & WEIGHT 5 1/2" #15.5
 CASING DEPTH 4149' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - Ran float equipment - set up an Protocol. Hooked up head & mani field. Circulate mud & reciprocate casing for 2 hrs. Mix 500gal mud slush followed by 20 Bbl K2 water. Mix 75% lime & 150 amt. Wash up, displace plug. Drop dart & 20 min pump dart. Hook up & circulate mud for 3 hrs. Pump 500 gal mud slush. Pump 350 sy - 30 RH 720 down hole. Wash up & displace plug. Plug down at 7:30 am

Thanks Tom + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P0004	1	PUMP CHARGE DV-Tool	\$2500.00	\$2500.00
M0001	70	MILEAGE	\$6.50	\$455.00
M0002	25.15 tons	Ton Mileage Delivery	\$2958.90	\$2958.90
C0030	150 sy	Class 4 Grout 10,000 psi 200 gal 5# K2	\$29.55	\$4432.50
C0021	425 sy	60/40 Grout 1/4" #5 steel	\$17.95	\$7628.75
FE0033	1	5 1/2" AFU guide shoe	\$400.00	\$400.00
FE052	1	5 1/2" latch down plug Assy	\$1195.00	\$1195.00
FE014	9	5 1/2" turbolizer	\$108.00	\$972.00
FE022	3	5 1/2" basket	\$385.00	\$1155.00
FE102	3	5 1/2" stop ring	\$35.00	\$105.00
FE089	1	5 1/2" DV tool	\$4200.00	\$4200.00
CE003	1	5 1/2" head & manifold	\$200.00	\$200.00
CP005	100 lbs	sale	\$50.00	\$50.00
CP013	1000 g	mud flush	\$1.00	\$1000.00
CP014	2 gal	K2	\$30.00	\$60.00
		subtotal		\$27,017.15
		less 5% disc.		\$1350.00
		sub-total		\$25,667.15
		SALES TAX		1503.25
		ESTIMATED TOTAL		27,164.80

AUTHORIZATION Scott Poland 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 **Wrangler #5**

FIELD **Wildcat**

LOCATION **350' FNL & 350' FEL**

SEC **5** TWPSP **12S** RGE **21W**

COUNTY **Trego** STATE **Kansas**

CONTRACTOR **Pickrell Drilling Rig #10**

SPUD **2/8/23** COMP **2/15/23**

RTD **4:50'** LTD **4:51'**

ELEVATIONS
KB **2354'**

GL **2346'**
Measurements Are All From Kelly Bushing

CASING
CONDUCTOR
SURFACE **8-5/8"** at **221'**
PRODUCTION **5.5"** at **121'**

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

FORMATION

Sample Tops

E-log Tops

Struct Foss.

Antydrate

Heebner Sh

Lansing

Stark Shale

Marmaton

Ft. Scott

Cherokee

REFERENCE WELL

CND/DIL. MIC

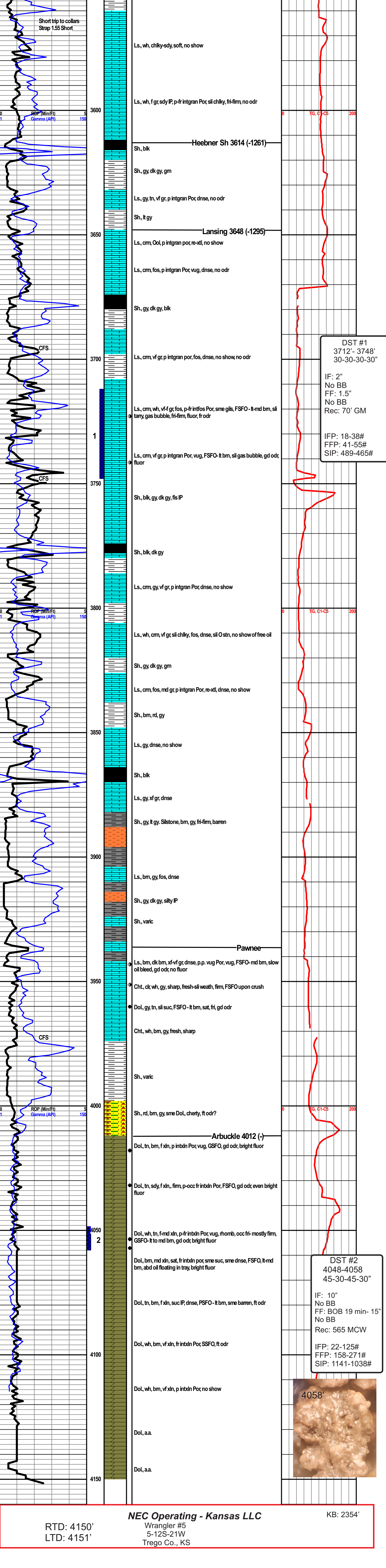
5

REMARKS

The Wrangler #5 will be further evaluated for Arbuckle and Pawnee potential

Respectfully Submitted,

Sean P. Deenihan



NEC Operating - Kansas LLC
Wrangler #5
5-12S-21W
Trego Co., KS

RTD: 4150'
LTD: 4151'

KB: 2354'



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

June 13, 2023

Lonnie Lumpkins
NEC Operating - Kansas, LLC
542 SILICON DR SUITE 100
SOUTHLAKE, TX 76092-7509

Re: ACO-1
API 15-195-23155-00-00
WRANGLER 5
NE/4 Sec.05-12S-21W
Trego County, Kansas

Dear Lonnie Lumpkins:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 02/10/2023 and the ACO-1 was received on June 13, 2023 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department