

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](mailto: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: **Ritchie Exploration**

8100 E 22nd St N #700  
Wichita, KS 67278

ATTN: Max Lovely

### **Wing Trust 26B #1**

### **26-15-36w Logan,KS**

Start Date: 2021.07.26 @ 13:46:37

End Date: 2021.07.26 @ 21:28:07

Job Ticket #: 67465                      DST #: 1

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

Printed: 2021.08.03 @ 09:32:28



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Ritchie Exploration  
 8100 E 22nd St N #700  
 Wichita, KS 67278  
 ATTN: Max Lovely

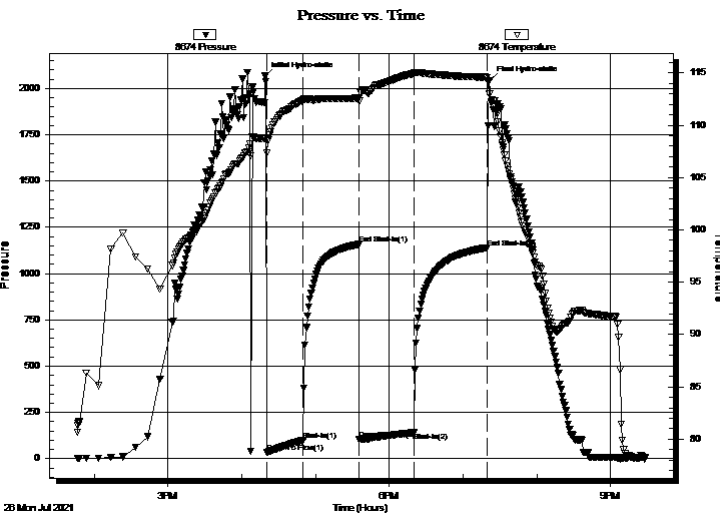
**26-15-36w Logan, KS**  
**Wing Trust 26B #1**  
 Job Ticket: 67465 **DST#: 1**  
 Test Start: 2021.07.26 @ 13:46:37

## GENERAL INFORMATION:

Formation: **LKC E - F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:20:37  
 Time Test Ended: 21:28:07  
 Interval: **4132.00 ft (KB) To 4167.00 ft (KB) (TVD)**  
 Total Depth: 4167.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brandon Turley  
 Unit No: 79  
 Reference Elevations: 3295.00 ft (KB)  
 3287.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8674 Outside**  
 Press@RunDepth: 140.65 psig @ 4133.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.07.26 End Date: 2021.07.26 Last Calib.: 2021.07.26  
 Start Time: 13:46:42 End Time: 21:28:06 Time On Btm: 2021.07.26 @ 16:19:07  
 Time Off Btm: 2021.07.26 @ 19:21:37

**TEST COMMENT:** IF: 1/2" blow built to 5 3/4"  
 IS: No return.  
 FF: Surface blow built to 7"  
 FS: No return. 30-45-45-60



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.15	108.79	Initial Hydro-static
2	33.16	107.32	Open To Flow (1)
31	99.30	112.39	Shut-In(1)
76	1157.80	112.58	End Shut-In(1)
77	105.67	112.32	Open To Flow (2)
121	140.65	114.93	Shut-In(2)
181	1140.07	114.58	End Shut-In(2)
183	2041.96	112.96	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
177.00	mcw 90%w 10%m	0.87
94.00	mcw 60%w 40%m	1.32

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Ritchie Exploration  
 8100 E 22nd St N #700  
 Wichita, KS 67278  
 ATTN: Max Lovely

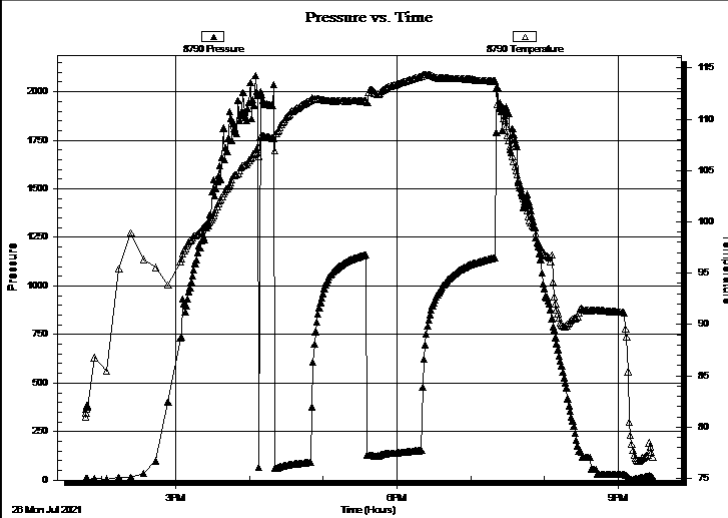
**26-15-36w Logan, KS**  
**Wing Trust 26B #1**  
 Job Ticket: 67465 **DST#: 1**  
 Test Start: 2021.07.26 @ 13:46:37

**GENERAL INFORMATION:**

Formation: <b>LKC E - F</b>		
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 16:20:37	Tester: Brandon Turley	
Time Test Ended: 21:28:07	Unit No: 79	
<b>Interval: 4132.00 ft (KB) To 4167.00 ft (KB) (TVD)</b>	Reference Elevations: 3295.00 ft (KB)	
Total Depth: 4167.00 ft (KB) (TVD)	3287.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 8.00 ft

<b>Serial #: 8790</b> Inside	Press@RunDepth: psig @ 4133.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2021.07.26	End Date: 2021.07.26	Last Calib.: 2021.07.26
Start Time: 13:47:00	End Time: 21:28:24	Time On Btm:
		Time Off Btm:

**TEST COMMENT:** IF: 1/2" blow built to 5 3/4"  
 IS: No return.  
 FF: Surface blow built to 7"  
 FS: No return. 30-45-45-60



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

Length (ft)	Description	Volume (bbl)
177.00	mcw 90%w 10%m	0.87
94.00	mcw 60%w 40%m	1.32

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ritchie Exploration  
8100 E 22nd St N #700  
Wichita, KS 67278  
ATTN: Max Lovely

**26-15-36w Logan,KS**  
**Wing Trust 26B #1**  
Job Ticket: 67465      **DST#: 1**  
Test Start: 2021.07.26 @ 13:46:37

**Tool Information**

Drill Pipe:	Length: 3960.00 ft	Diameter: 3.80 inches	Volume: 55.55 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 56.42 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4132.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	62.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Stubb	1.00			4106.00	
Shut In Tool	5.00			4111.00	
Hydraulic tool	5.00			4116.00	
Jars	5.00			4121.00	
Safety Joint	2.00			4123.00	
Packer	5.00			4128.00	27.00      Bottom Of Top Packer
Packer	4.00			4132.00	
Stubb	1.00			4133.00	
Recorder	0.00	8790	Inside	4133.00	
Recorder	0.00	8674	Outside	4133.00	
Perforations	31.00			4164.00	
Bullnose	3.00			4167.00	35.00      Bottom Packers & Anchor

**Total Tool Length: 62.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Ritchie Exploration

**26-15-36w Logan,KS**

8100 E 22nd St N #700  
Wichita, KS 67278

**Wing Trust 26B #1**

Job Ticket: 67465

**DST#: 1**

ATTN: Max Lovely

Test Start: 2021.07.26 @ 13:46:37

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

18000 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
177.00	mcw 90%w 10%m	0.870
94.00	mcw 60%w 40%m	1.319

Total Length: 271.00 ft      Total Volume: 2.189 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

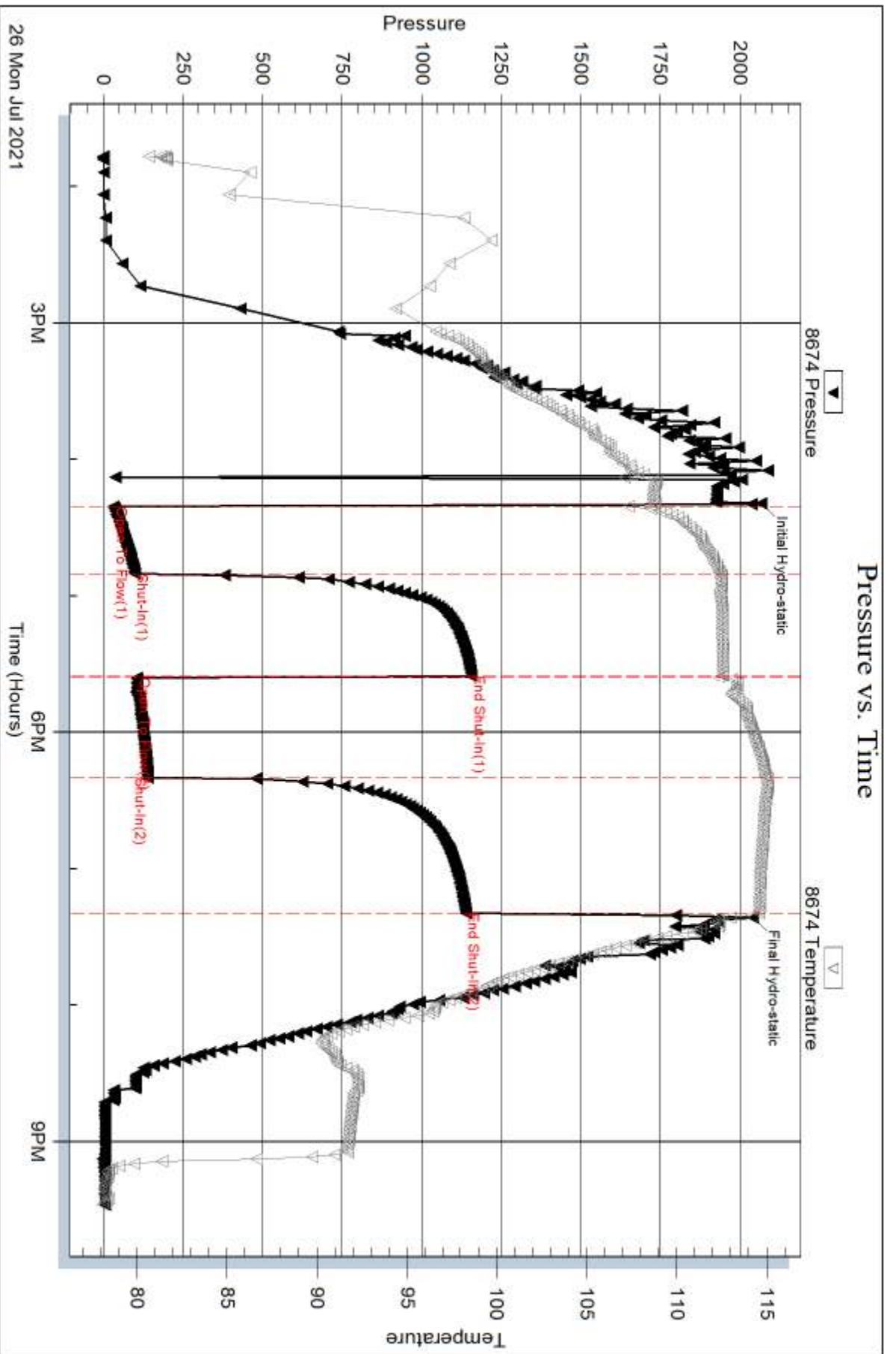
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .35@76=18000





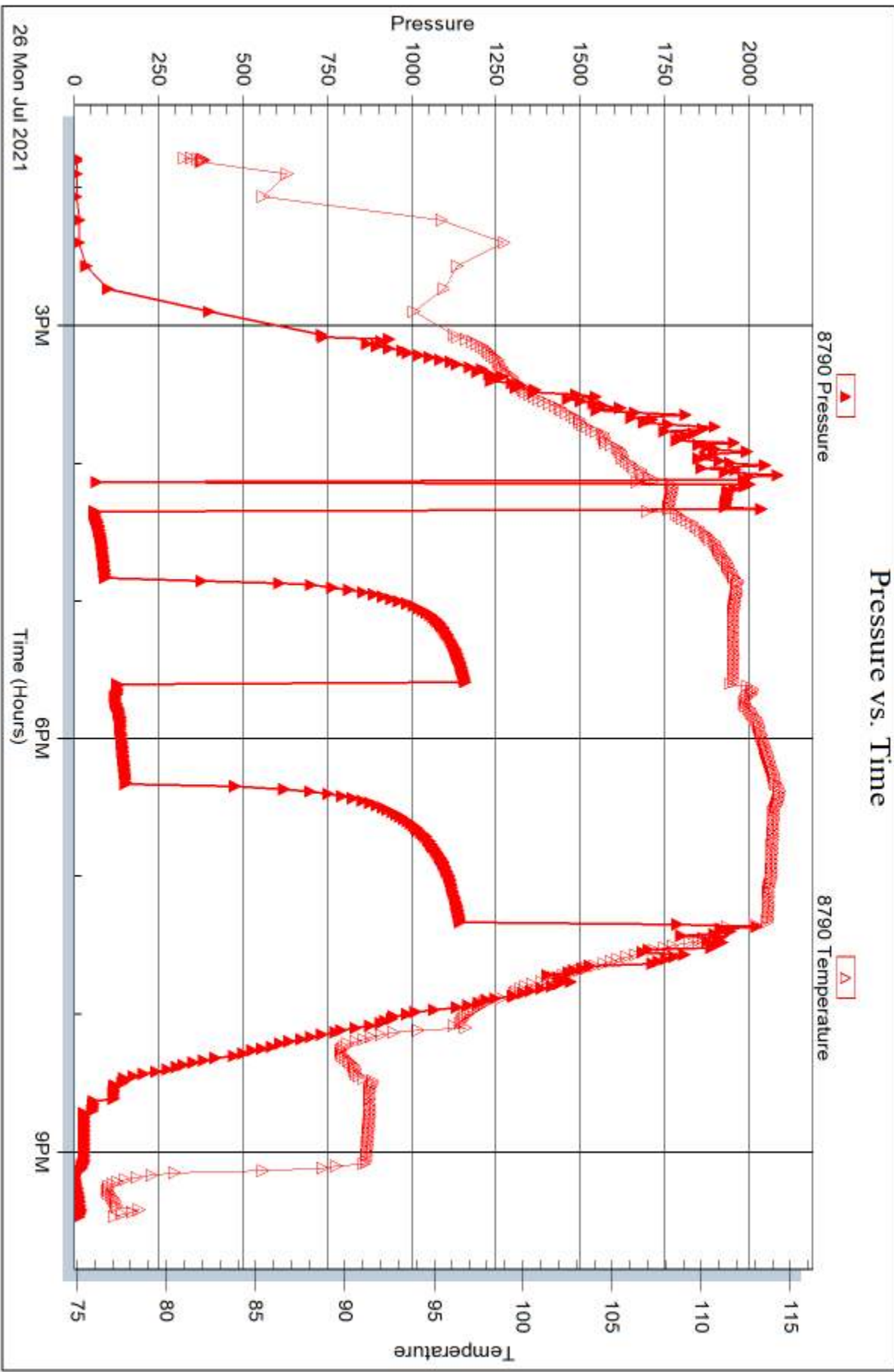
Serial #: 8790

Inside

Richie Exploration

Wing Trust 26B #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67465

Printed: 2021.08.03 @ 09:32:31



## DRILL STEM TEST REPORT

Prepared For: **Ritchie Exploration**

8100 E 22nd St N #700  
Wichita, KS 67278

ATTN: Max Lovely

### **Wing Trust 26B #1**

#### **26-15-36w Logan,KS**

Start Date: 2021.07.28 @ 06:38:09

End Date: 2021.07.28 @ 12:40:09

Job Ticket #: 67466                      DST #: 2

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

Printed: 2021.08.03 @ 09:31:45



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Ritchie Exploration  
8100 E 22nd St N #700  
Wichita, KS 67278  
ATTN: Max Lovely

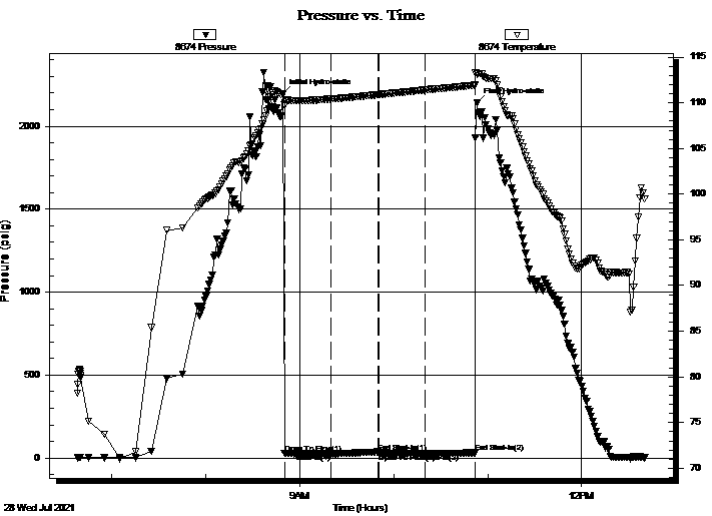
**26-15-36w Logan, KS**  
**Wing Trust 26B #1**  
Job Ticket: 67466 **DST#: 2**  
Test Start: 2021.07.28 @ 06:38:09

## GENERAL INFORMATION:

Formation: **Altamont**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:50:09  
Time Test Ended: 12:40:09  
Interval: **4444.00 ft (KB) To 4474.00 ft (KB) (TVD)**  
Total Depth: 4474.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 3295.00 ft (KB)  
3287.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8674 Outside**  
Press@RunDepth: 26.47 psig @ 4445.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.07.28 End Date: 2021.07.28 Last Calib.: 2021.07.28  
Start Time: 06:38:14 End Time: 12:40:08 Time On Btm: 2021.07.28 @ 08:49:09  
Time Off Btm: 2021.07.28 @ 10:53:09

**TEST COMMENT:** IF: Surface blow died in 20 min.  
IS: No return.  
FF: No blow.  
FS: No return. 30-30-30-30



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.93	110.91	Initial Hydro-static
1	28.02	109.74	Open To Flow (1)
31	26.11	110.41	Shut-In(1)
61	36.46	110.88	End Shut-In(1)
62	25.79	110.90	Open To Flow (2)
91	26.47	111.41	Shut-In(2)
123	31.33	111.92	End Shut-In(2)
124	2139.64	113.14	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Ritchie Exploration  
8100 E 22nd St N #700  
Wichita, KS 67278  
ATTN: Max Lovely

**26-15-36w Logan,KS**  
**Wing Trust 26B #1**  
Job Ticket: 67466      **DST#: 2**  
Test Start: 2021.07.28 @ 06:38:09

## GENERAL INFORMATION:

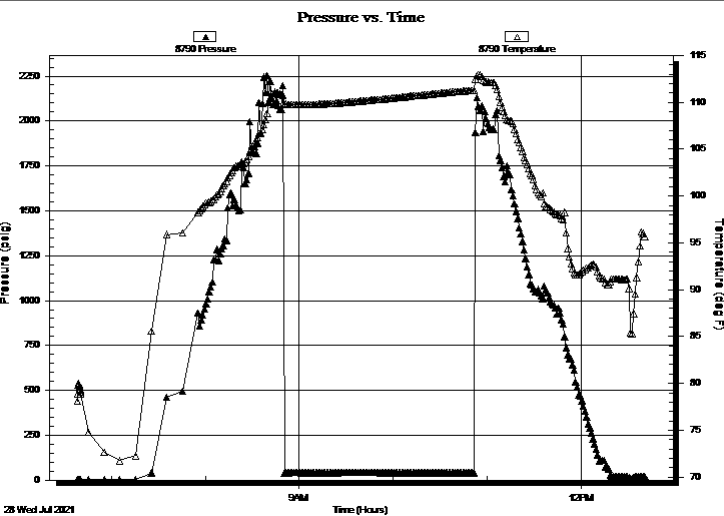
Formation: <b>Altamont</b>		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 08:50:09		Tester: Brandon Turley
Time Test Ended: 12:40:09		Unit No: 79
<b>Interval: 4444.00 ft (KB) To 4474.00 ft (KB) (TVD)</b>		Reference Elevations: 3295.00 ft (KB)
Total Depth: 4474.00 ft (KB) (TVD)		3287.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 8.00 ft

## Serial #: 8790

Inside

Press@RunDepth:                    psig @    4445.00 ft (KB)	Capacity:                                    8000.00 psig
Start Date:                            2021.07.28      End Date:                            2021.07.28	Last Calib.:                                2021.07.28
Start Time:                            06:38:31      End Time:                            12:40:25	Time On Btm:
	Time Off Btm:

TEST COMMENT: IF: Surface blow died in 20 min.  
IS: No return.  
FF: No blow.  
FS: No return. 30-30-30-30



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Ritchie Exploration  
8100 E 22nd St N #700  
Wichita, KS 67278  
ATTN: Max Lovely

**26-15-36w Logan,KS**  
**Wing Trust 26B #1**  
Job Ticket: 67466 **DST#: 2**  
Test Start: 2021.07.28 @ 06:38:09

## Tool Information

Drill Pipe:	Length: 4270.00 ft	Diameter: 3.80 inches	Volume: 59.90 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4444.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 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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Stubb	1.00			4418.00	
Shut In Tool	5.00			4423.00	
Hydraulic tool	5.00			4428.00	
Jars	5.00			4433.00	
Safety Joint	2.00			4435.00	
Packer	5.00			4440.00	27.00 Bottom Of Top Packer
Packer	4.00			4444.00	
Stubb	1.00			4445.00	
Recorder	0.00	8790	Inside	4445.00	
Recorder	0.00	8674	Outside	4445.00	
Perforations	26.00			4471.00	
Bullnose	3.00			4474.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 57.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Ritchie Exploration

**26-15-36w Logan,KS**

8100 E 22nd St N #700  
Wichita, KS 67278

**Wing Trust 26B #1**

Job Ticket: 67466

**DST#: 2**

ATTN: Max Lovely

Test Start: 2021.07.28 @ 06:38:09

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

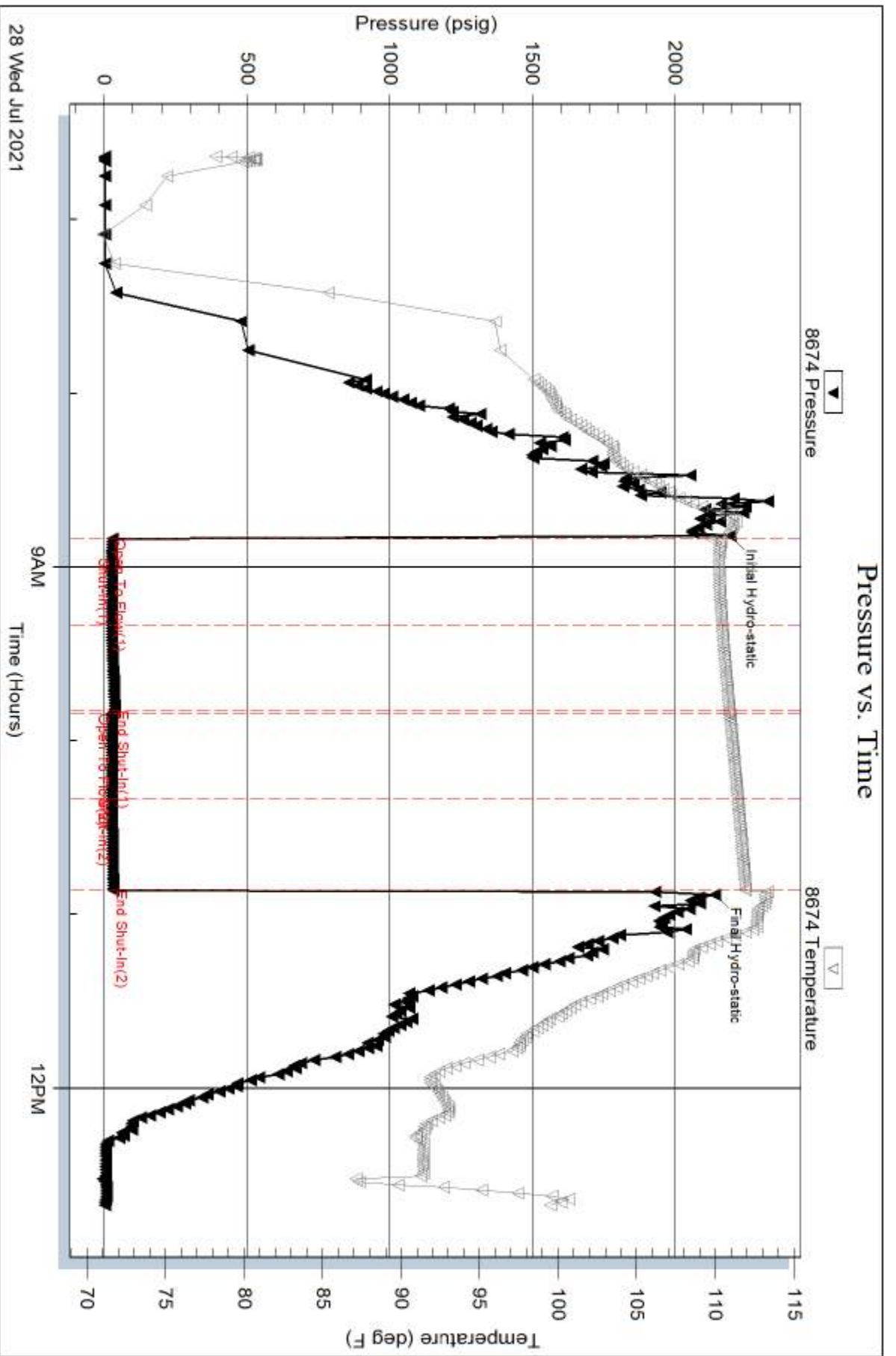
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





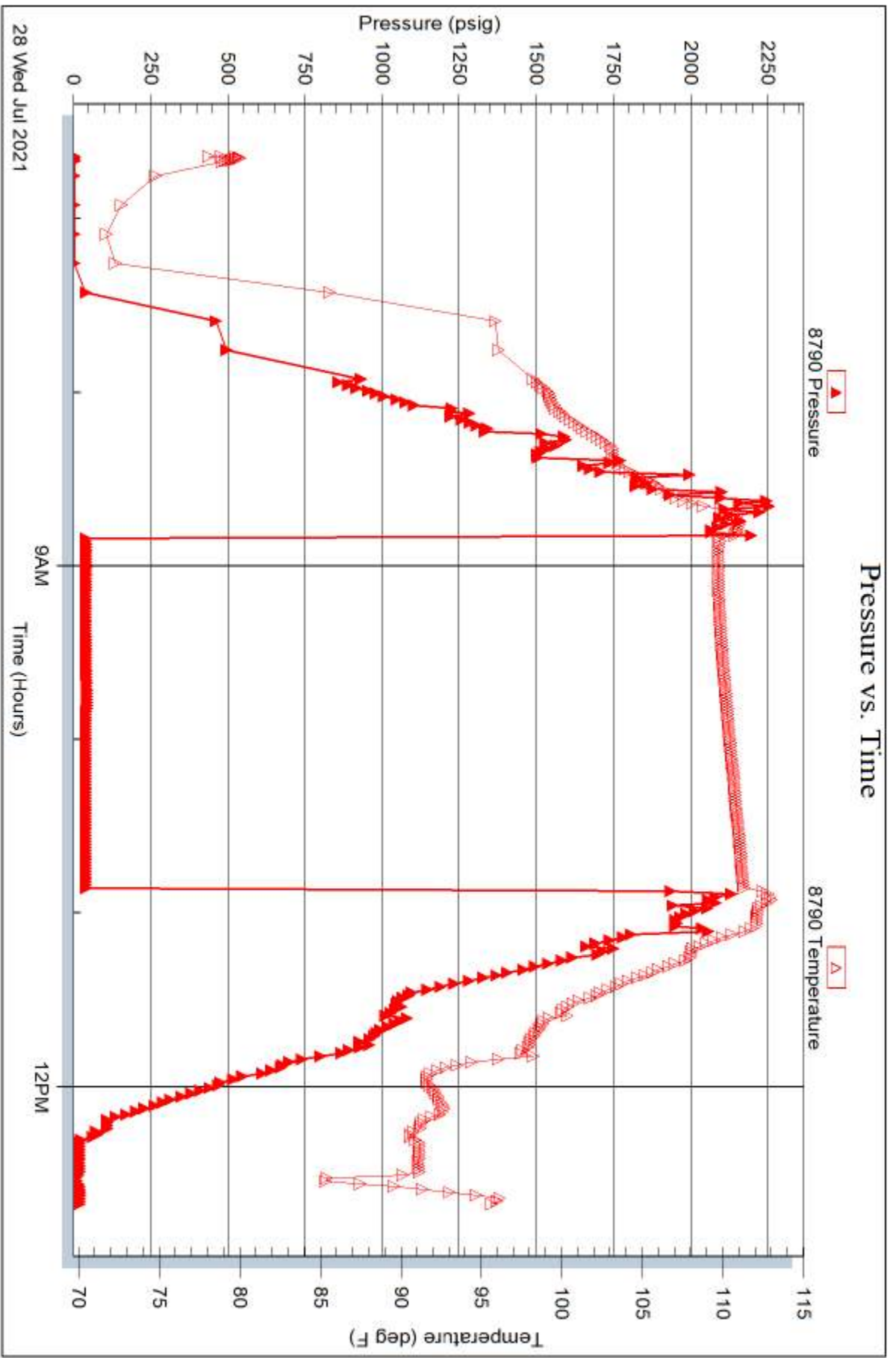
Serial #: 8790

Inside

Ritchie Exploration

Wing Trust 26B #1

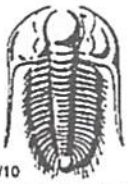
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67466

Printed: 2021.08.03 @ 09:31:47



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 67465

Well Name & No. Wing Trust 26B #1 Test No. 1 Date 7-26-21  
 Company Bitchie Exploration Elevation 3295 KB 3287 GL  
 Address 8100 E 22nd St N #700 Wichita, KS 67278  
 Co. Rep / Geo. Max Lovely Rig Murfin 112  
 Location: Sec. 26 Twp 15 Rge. 36W Co. Logan State KS

Interval Tested 4132 4167 Zone Tested E-F  
 Anchor Length 35 Drill Pipe Run 3960 Mud Wt. 9.2  
 Top Packer Depth 4127 Drill Collars Run 177 Vis 67  
 Bottom Packer Depth 4132 Wt. Pipe Run — WL 7.2  
 Total Depth 4167 Chlorides 3300 ppm System LCM 3

Blow Description IF: 1/2 blow built to 5 3/4.  
IS: No return.  
FF: Surface blow built to 7.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>94</u>	<u>MCW</u>		<u>60</u>	<u>40</u>	
<u>177</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

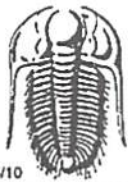
Rec Total 271 BHT 114 Gravity — API RW 35 @ 76 °F Chlorides 18,000 ppm

(A) Initial Hydrostatic <u>2067</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>12:30</u>
(B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:46</u>
(C) First Final Flow <u>99</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:20</u>
(D) Initial Shut-In <u>1157</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/K</u>	T-Pulled <u>19:20</u>
(E) Second Initial Flow <u>105</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>21:30</u>
(F) Second Final Flow <u>140</u>	<input checked="" type="checkbox"/> Mileage <u>106 - 125</u>	Comments
(G) Final Shut-In <u>1140</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2041</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Accessibility	Sub Total <u>0</u>
	Sub Total <u>1750</u>	Total <u>1750</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. 67466

Well Name & No. Wing Trust 26B#1 Test No. 2 Date 7-28-21  
 Company Ritchie Exploration Elevation 3295 KB 3287 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. M9X Lovely Rig Martin 112  
 Location: Sec. 26 Twp 15 Rge. 36W Co. Logan State KS

Interval Tested 4444 4474 Zone Tested AHAMONT  
 Anchor Length \_\_\_\_\_ 30 Drill Pipe Run 4270 Mud Wt. 9.1  
 Top Packer Depth \_\_\_\_\_ 4439 Drill Collars Run 177 Vis 61  
 Bottom Packer Depth \_\_\_\_\_ 4444 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth \_\_\_\_\_ 4474 Chlorides 5000 ppm System LCM 2

Blow Description IF: surface blow died in 20 min.  
IS: No return.  
FF: No blow.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 2 BHT 111 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2194</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>5:30</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>6:38</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>8:50</u>
(D) Initial Shut-In <u>36</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>10:50</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:40</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>100-x 2</u> 250	Comments <u>Loaded 7:30</u>
(G) Final Shut-In <u>31</u>	<input type="checkbox"/> Sampler _____	<u>5:00 pm</u>
(H) Final Hydrostatic <u>2139</u>	<input type="checkbox"/> Straddle _____	

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

EM Tool \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 800  
 Total 2675  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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**#1 Wing Trust 26B**

943' FNL & 1,214' FWL

47' N & 106' W of S/2 N/2 NW Section 26-15S-36W

Logan County, Kansas

API# 15-109-21622-0000

Elevation: GL: 3,287', KB: 3,295'

Sample Tops

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Anhydrite	2561	+734
B/Anhydrite	2580	+715
Stotler	3640	-345
Heebner	3996	-701
Toronto	4016	-721
Lansing	4044	-749
Muncie	4213	-918
Stark	4297	-1002
Hushpuckney	4340	-1045
BKC	4381	-1086
Marmaton	4432	-1137
Altamont	4451	-1156
Pawnee	4522	-1227
Myrick	4569	-1274
Ft Scott	4583	-1288
Cherokee Shale	4610	-1315
Johnson	4698	-1403
Morrow	4752	-1457
Mississippian	4844	-1549
RTD	4910	-1615



<b>Customer</b>	Ritchie Exploration	<b>Lease &amp; Well #</b>	Wing Trust 26B 1	<b>Date</b>	7/22/2021
<b>Service District</b>	Oakley KS	<b>County &amp; State</b>	Logan KS	<b>Legals S/TR</b>	26-15S-36W
<b>Job Type</b>	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No
<b>Job #</b>		<b>New Well?</b>		<b>Ticket #</b>	WP 1635

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
180/520	Jimmie	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
205	John	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
	Scotty	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP015	H-325	sack	165.00	\$2,904.00
M010	Heavy Equipment Mileage	mi	45.00	\$158.40
M015	Light Equipment Mileage	mi	45.00	\$79.20
M020	Ton Mileage	lm	365.76	\$482.80
D010	Cement Depth Charges	job	1.00	\$880.00

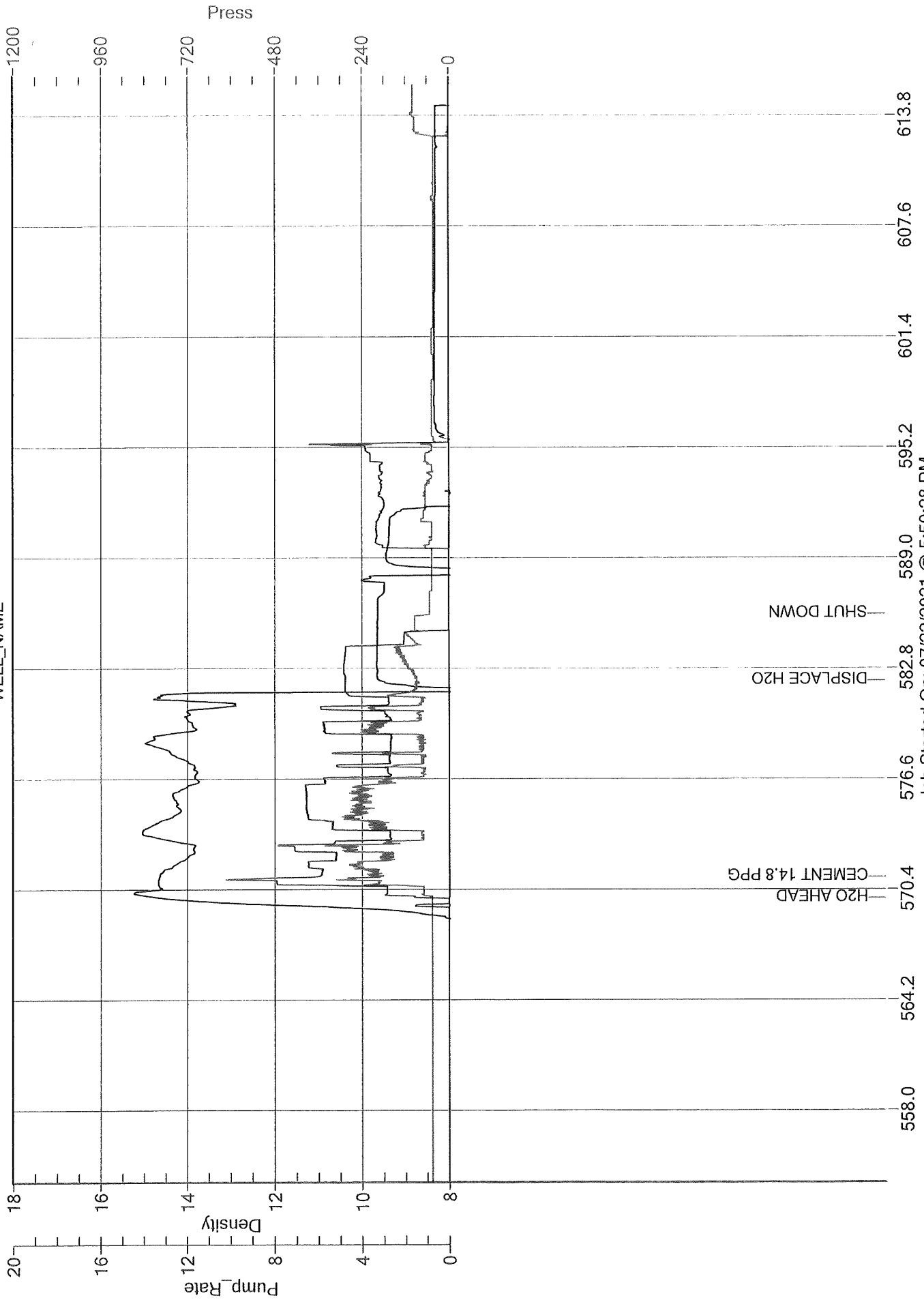
<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>		<b>Net:</b>	\$4,504.40
Total Taxable \$ - Tax Rate:		<b>Sale Tax:</b>	\$ -
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		<b>Total:</b>	\$ 4,504.40
HSI Representative: <i>Jimmie Cottrell</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 1/4% 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 affect 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**

# Ritchie Exploration

WELL\_NAME



Job Started On: 07/22/2021 @ 5:50:28 PM



**CEMENT TREATMENT REPORT**

Customer: Ritchie Exploration	Well: Wing Trust 26B 1	Ticket: WP 1635
City, State:	County: Logan KS	Date: 7/22/2021
Field Rep:	S-T-R: 26-15S-36W	Service: Surface

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	12 1/4 in	Blend:	H-325	Blend:	
Hole Depth:	256 ft	Weight:	14.8 ppg	Weight:	ppg
Casing Size:	8 5/8 in	Water / Sx:	6.9 gal / sx	Water / Sx:	gal / sx
Casing Depth:	ft	Yield:	1.41 ft <sup>3</sup> / sx	Yield:	ft <sup>3</sup> / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	0.0735 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	41.5 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	165 sx	Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
1000A			-	-	ON LOCATION GET WELL INFO CHECK CASING WEIGHT, 24# 8 5/8
1015A				-	RIG UP
1200P				-	CASING ON BOTTOM
1215P				-	CIRCULATE
1230P	3.0	220.0	5.0	5.0	H2O AHEAD
1232P	6.5	280.0	40.2	45.2	CEMENT 165 SX H-325 @ 14.8 PPG
1242P	4.0	250.0	15.3	60.5	DISPLACE H2O
1250P				60.5	SHUT IN 4 BBLs CEMENT TO PIT
100P				60.5	WASH UP
110P				60.5	RIG DOWN
130P				60.5	LEFT LOCATION

Crew	UNIT		SUMMARY		
	Cementer: Jlmmlle	180/520	Average Rate	Average Pressure	Total Fluid
	Pump Operator: John	205	4.5 bpm	260 psi	60 bbls
Bulk #1: Scotty					
Bulk #2:					

# 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 0375  
 LOCATION Harvie KS  
 FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-31-21	4707	Wing Trout 265 #1	26	13	36	LeFlore
CUSTOMER <u>Ridgely Exploration Inc.</u>			TRUCK #		DRIVER	
MAILING ADDRESS <u>8100 E 23rd St #21700</u>			101		Tom W	
CITY <u>Wichita</u>			102		Boston P	
STATE <u>KS</u>			ZIP CODE <u>67276</u>		386	

JOB TYPE Rating Plug HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4.5" TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.7 SLURRY VOL 1.4 WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: 500' section & plug up on section #12 Plug as ordered.

1. 2525' 50' OK
2. 1425' 100' OK Plug down 1300'
3. 200' 50' OK
4. 40' 10' OK
5. RH 30' OK 240' 60/40 4 Regal 1/4" Annual

Thanks Tom & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
Plan 2	1	PUMP CHARGE	\$1150.00	\$1150.00
Plan 1	94	MILEAGE	\$6.50	\$611.00
Plan 2	10.65 tons	Ton Mileage delivery	\$1505.88	\$1505.88
CB10	240' OK	60/40 4 Regal 1/4" Annual	\$16.75	\$4020.00
			sub total	\$7286.88
			less 25% disc.	\$1821.72
				\$5465.16
			SALES TAX	241.20
			ESTIMATED TOTAL	5706.36

AUTHORIZATION Paco Gonzalez TITLE Proj Manager DATE 7-31-21

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.



Max R. Lovely

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: **Bitche Exploration**

LEASE #1: **Wind Trust 26B**

FIELD: **943 FNL 1214 FWL**

LOCATION: **Wind Trust 26B**

SEC: **26** TWP: **15** RGE: **36W**

COUNTY: **Logan** STATE: **KS**

CONTRACTOR: **Mudfin #112**

SQUID: **7-22-01** COMP: **7-30-21**

RID: **4910** LTD: **4900**

MUD UP: **3498** TYPE MUD: **Chem**

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION: **AMHYDRITE** SURF. ELEC. SURF. POS. ID. C.

AMHYDRITE 2561 2550 745 739 720 718 714

SOOTLER 3640 3634 339 339 332 337

HEGNER 3896 3994 699 -899 -697 -898

TORONTO 4044 4017 722 -719 -724 -722

LANCING 4044 4046 -751 -749 -745 -751

MUNCIE SH 4213 4213 918 -919 -920 -918

B/C 4381 4383 1088 -1088 -1091 -1085

MARATON 4432 4432 1137 -1137 -1139 -1140

ALAMONT 4451 4454 1226 -1226 -1226 -1224

ALAMONT 4452 4452 1277 -1277 -1277 -1284

MISSISSIPPI 4842 4801 1306 1306 1316 1312

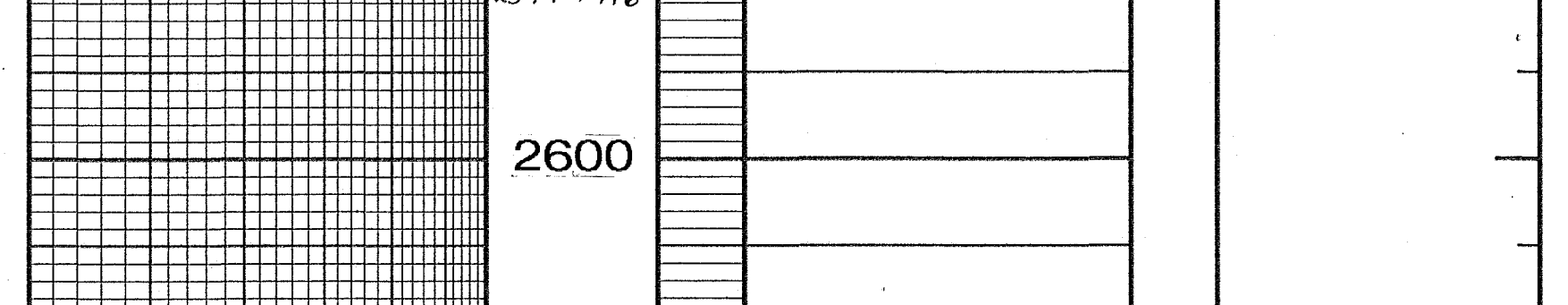
MISSISSIPPI 4844 4838 1543 1543 1521 1522

REFERENCE WELLS FOR STRUCTURE

A Palumbo #1 Wind-Dogpatch 1595 FNL 1221 FWL 26-15-36W  
B Ritchie #1 Wind Trust 23D 1830 FSL 2200 FSL 23-15-36W  
C Ritchie #1 Wind Trust D Schumacher 2560 FSL 23-15-36W

REMARKS

## LEGEND



DEPTH	DRILLING TIME IN MINUTES PER FOOT	FORMATION TOPS AND STRUCTURAL POSITION	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2550		AMHYDRITE 2561 +734				
2600		BASE AMHYDRITE 2579 +716				
3550						
3600		SOOTLER 3640-3645				
3700						
3800						7:AM 7-25-2021 DRL @ 3802' MUD CHECK VIS: 44 WT: 8.8 SIP: 3000 LCM: 2 FIL: 8.0
3900						
4000		HEGNER 3996-701				
4100		TORONTO 4016-721				TRASHY SAMPLES REB B&B + GEL
4200		LANCING 4044-749				4043 - Pump Repairs
4300		STARK 4272-1002				DST#1 4132-4167 30' 45" 45' 40" IF: 53' 151' NR REC: 7' 151' NR FP: 33-99, 105-140 SIP: 1157-1140 FIL: 2067-2011 STRAF: 4188.5' BPAR: 4187.9' SHORT 0.7'
4400		HWHUCKNEY 4340-1045				2.0" CIR ABUN SHO + ORG 45" CIR LT ORG, LT ORG 2 PCS
4500		B/K 4381-1086				7:AM 7-26-21 CFS @ 4270' MUD CHECK VIS: 67 WT: 9.2 SIP: 3300 LCM: 3 FIL: 7.2
4600		HEROKEE 4610-1315				7:AM 7-27-21 CFS @ 4270' MUD CHECK VIS: 61 WT: 9.1 SIP: 3200 LCM: 2 FIL: 8.8
4700		LANCING 4044-749				7:AM 7-28-21 CFS @ 4270' MUD CHECK VIS: 68 WT: 9.2 SIP: 3600 LCM: 3 FIL: 9.6
4800		MISSISSIPPI 4844-1543				
4900						

REMARKS