

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:
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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Chizum Oil  
346 S Lulu  
Wichita, KS 67211  
ATTN: Tim Priest

**34/3s/32w Rawlins KS**  
**Walker A #2-34**  
Job Ticket: 67006 **DST#: 1**  
Test Start: 2021.05.18 @ 10:10:00

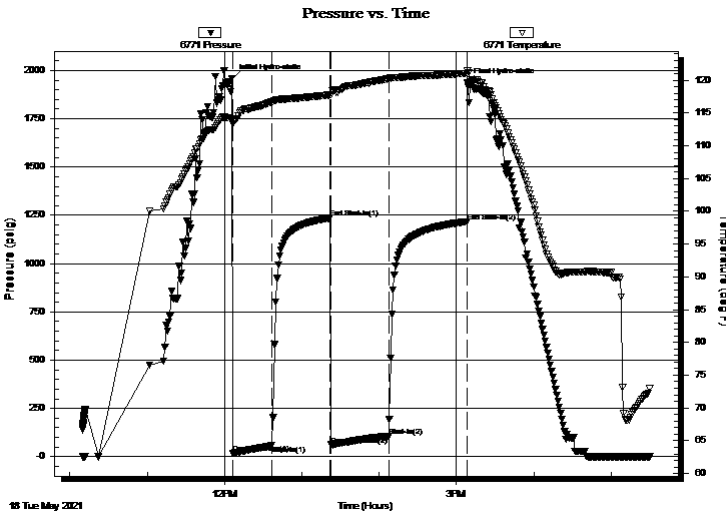
## GENERAL INFORMATION:

Formation: **LKC "A"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:06:21  
Time Test Ended: 17:29:51  
Interval: **3950.00 ft (KB) To 4035.00 ft (KB) (TVD)**  
Total Depth: 4035.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: James Winder  
Unit No: 73  
Reference Elevations: 3062.00 ft (KB)  
3057.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6771 Inside**  
Press@RunDepth: 104.20 psig @ 3951.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.05.18 End Date: 2021.05.18 Last Calib.: 2021.05.18  
Start Time: 10:10:01 End Time: 17:29:51 Time On Btm: 2021.05.18 @ 12:06:06  
Time Off Btm: 2021.05.18 @ 15:08:36

**TEST COMMENT:** 30 - IF: 1/4" Blow at open, built to 3 1/2"  
45 - IS: No blow back  
45 - FF: Blow built to 2 1/2"  
60 - FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.73	114.18	Initial Hydro-static
1	16.78	113.27	Open To Flow (1)
31	57.30	116.69	Shut-In(1)
76	1235.61	117.76	End Shut-In(1)
77	60.44	117.86	Open To Flow (2)
122	104.20	120.26	Shut-In(2)
182	1216.98	121.06	End Shut-In(2)
183	1935.06	121.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	WCM w/trace oil 64%m, 33%w, 3%g	0.60
66.00	Mud w/trace oil 100%m	0.37

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Chizum Oil  
346 S Lulu  
Wichita, KS 67211  
ATTN: Tim Priest

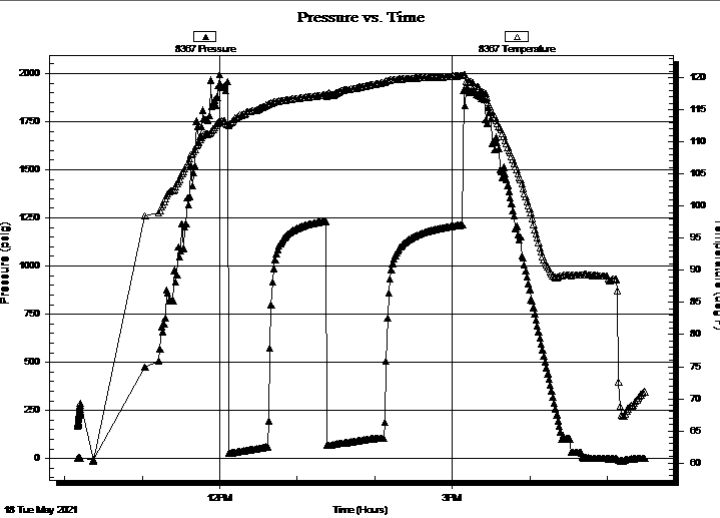
**34/3s/32w Rawlins KS**  
**Walker A #2-34**  
Job Ticket: 67006 **DST#: 1**  
Test Start: 2021.05.18 @ 10:10:00

**GENERAL INFORMATION:**

Formation:	<b>LKC "A"</b>				
Deviated:	No Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Initial)	
Time Tool Opened:	12:06:21		Tester:	James Winder	
Time Test Ended:	17:29:51		Unit No:	73	
<b>Interval:</b>	<b>3950.00 ft (KB) To 4035.00 ft (KB) (TVD)</b>		Reference Elevations:	3062.00 ft (KB)	
Total Depth:	4035.00 ft (KB) (TVD)			3057.00 ft (CF)	
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF:	5.00 ft	

<b>Serial #: 8367</b>	<b>Outside</b>				
Press@RunDepth:	psig @ 3951.00 ft (KB)	Capacity:	8000.00 psig		
Start Date:	2021.05.18	End Date:	2021.05.18	Last Calib.:	2021.05.18
Start Time:	10:10:01	End Time:	17:29:36	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30 - IF: 1/4" Blow at open, built to 3 1/2"  
45 - IS: No blow back  
45 - FF: Blow built to 2 1/2"  
60 - FS: No blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
122.00	WCM w/trace oil 64%m, 33%w, 3%g	0.60
66.00	Mud w/trace oil 100%m	0.37

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Chizum Oil  
346 S Lulu  
Wichita, KS 67211  
ATTN: Tim Priest

**34/3s/32w Rawlins KS**  
**Walker A #2-34**  
Job Ticket: 67006      **DST#: 1**  
Test Start: 2021.05.18 @ 10:10:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	21000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	WCM w /trace oil 64%m, 33%w, 3%g	0.600
66.00	Mud w /trace oil 100%m	0.370

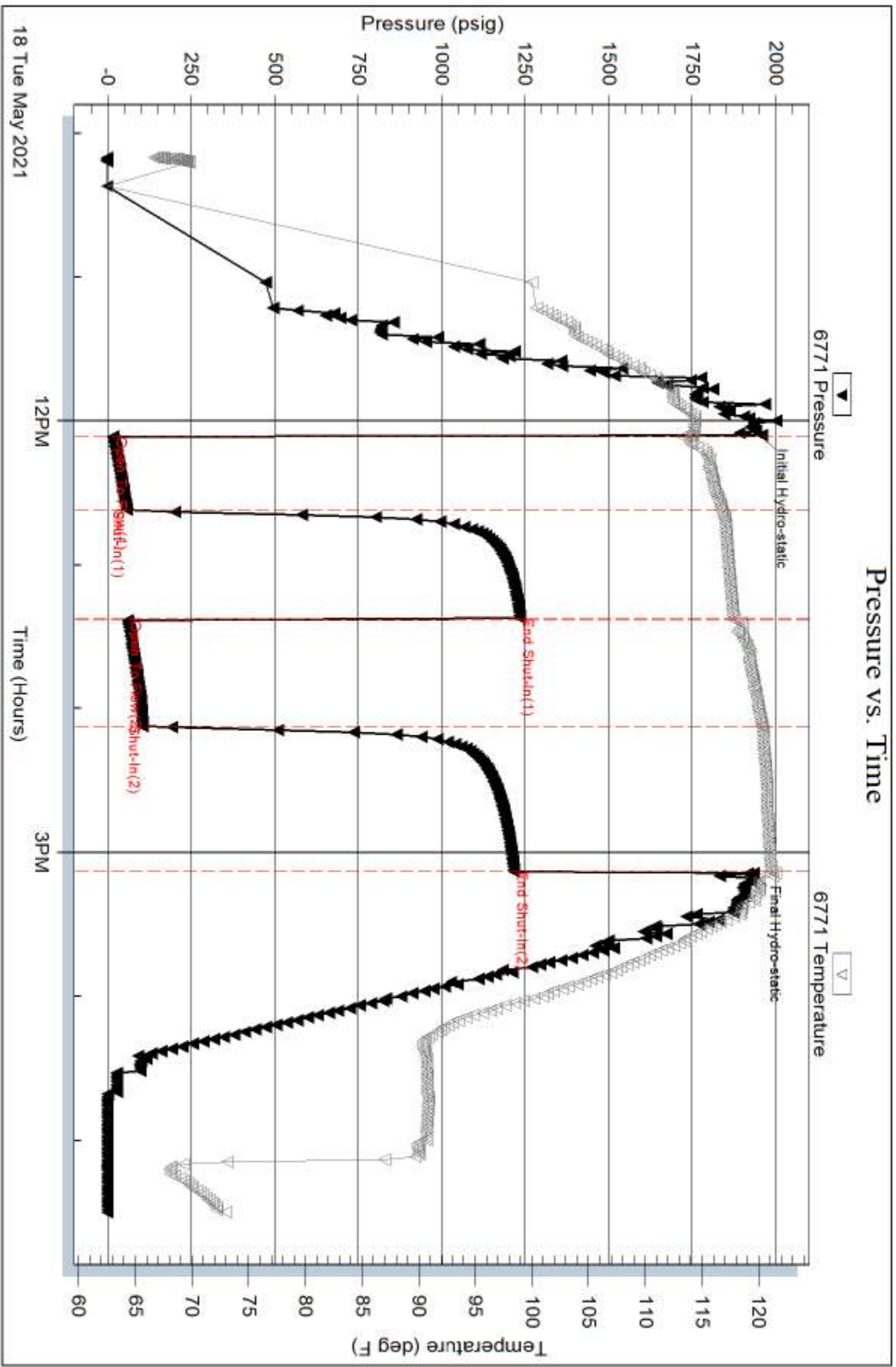
Total Length: 188.00 ft      Total Volume: 0.970 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: RW = .343 ohms @ 67.5 deg F Chlorides = 21,000 ppm

Serial #: 6771

Inside Chizum Oil

Walker A #2-34

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67006

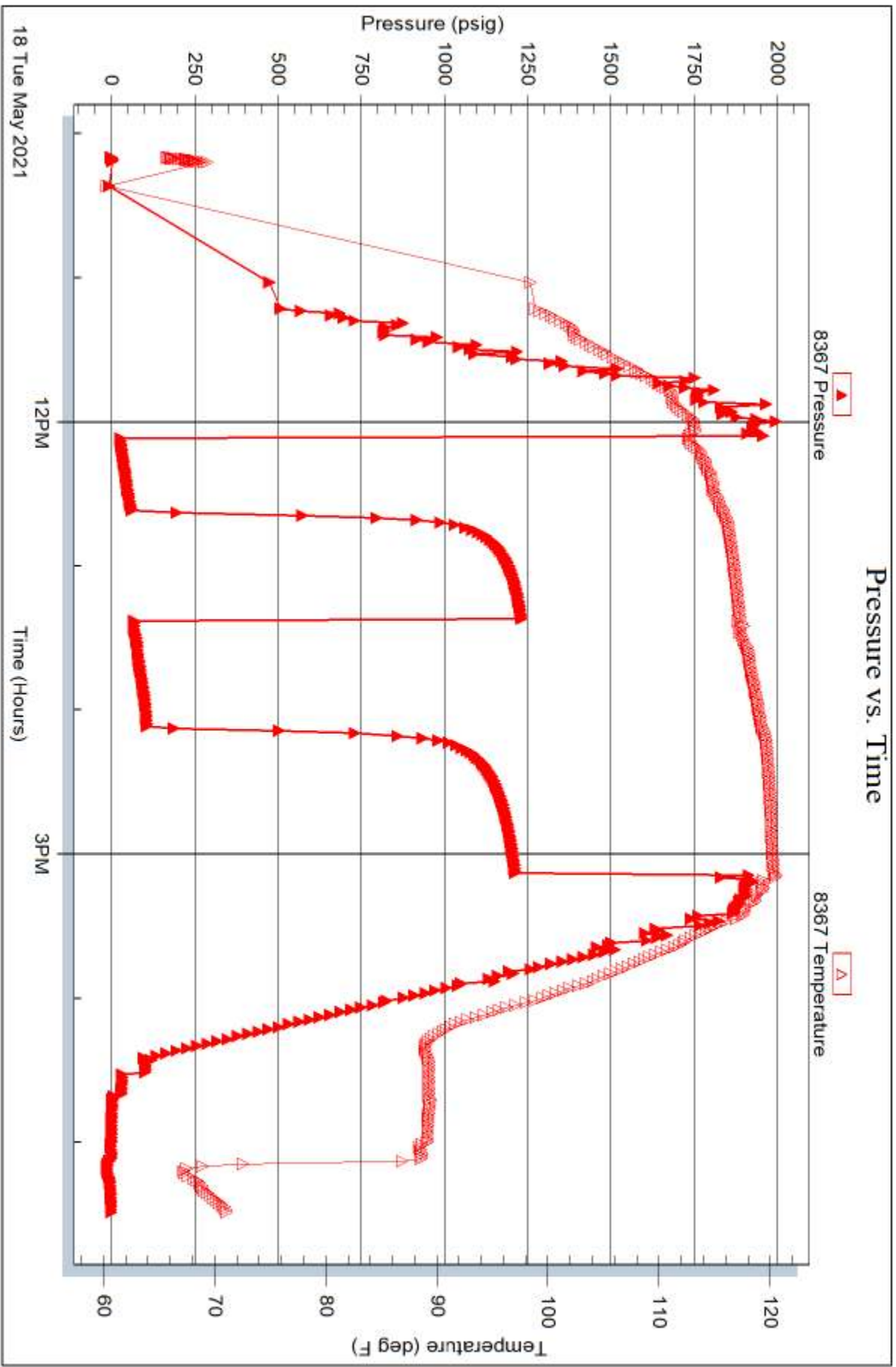
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Serial #: 8367

Outside Chizum Oil

Walker A #2-34

DST Test Number: 1







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 346 S Lulu  
 Wichita, KS 67211  
 ATTN: Tim Priest

**34/3s/32w Rawlins KS**  
**Walker A #2-34**  
 Job Ticket: 67007 **DST#: 2**  
 Test Start: 2021.05.19 @ 05:57:00

## GENERAL INFORMATION:

Formation: **LKC "B - G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:04:51  
 Time Test Ended: 13:22:06  
 Interval: **4028.00 ft (KB) To 4100.00 ft (KB) (TVD)**  
 Total Depth: 4100.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 73  
 Reference Elevations: 3062.00 ft (KB)  
 3057.00 ft (CF)  
 KB to GR/CF: 5.00 ft

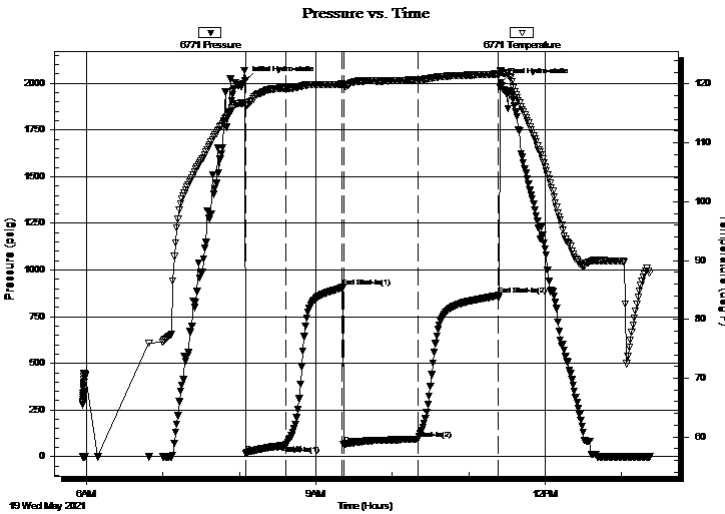
## Serial #: 6771

Inside

Press@RunDepth: 94.61 psig @ 4029.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.05.19 End Date: 2021.05.19 Last Calib.: 2021.05.19  
 Start Time: 05:57:01 End Time: 13:22:06 Time On Btm: 2021.05.19 @ 08:04:36  
 Time Off Btm: 2021.05.19 @ 11:25:21

TEST COMMENT: 30 - IF: Blow built to 5"  
 45 - ISI: No blow back  
 60 - FF: Blow built to 10 1/2"  
 60 - FSI: Blow back built to 1", died back to 1/4"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2016.22	116.82	Initial Hydro-static
1	17.87	116.33	Open To Flow (1)
32	60.10	119.32	Shut-In(1)
76	907.21	119.99	End Shut-In(1)
77	65.61	119.68	Open To Flow (2)
136	94.61	120.73	Shut-In(2)
199	864.77	121.71	End Shut-In(2)
201	2005.32	122.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
153.00	GHOCM 51%o, 37%o, 12%g	0.75
30.00	VSMCO 95%o, 3%m, 2%g	0.15
25.00	CGO 90%o, 10%g	0.35
0.00	GIP = 225'+	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
346 S Lulu  
Wichita, KS 67211  
ATTN: Tim Priest

**34/3s/32w Rawlins KS**

**Walker A #2-34**

Job Ticket: 67007

**DST#: 2**

Test Start: 2021.05.19 @ 05:57:00

## GENERAL INFORMATION:

Formation: **LKC "B - G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:04:51

Time Test Ended: 13:22:06

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

**Interval: 4028.00 ft (KB) To 4100.00 ft (KB) (TVD)**

Total Depth: 4100.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3062.00 ft (KB)

3057.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8367 Outside**

Press@RunDepth: psig @ 4029.00 ft (KB)

Start Date: 2021.05.19

End Date:

2021.05.19

Start Time: 05:57:01

End Time:

13:21:51

Capacity: 8000.00 psig

Last Calib.:

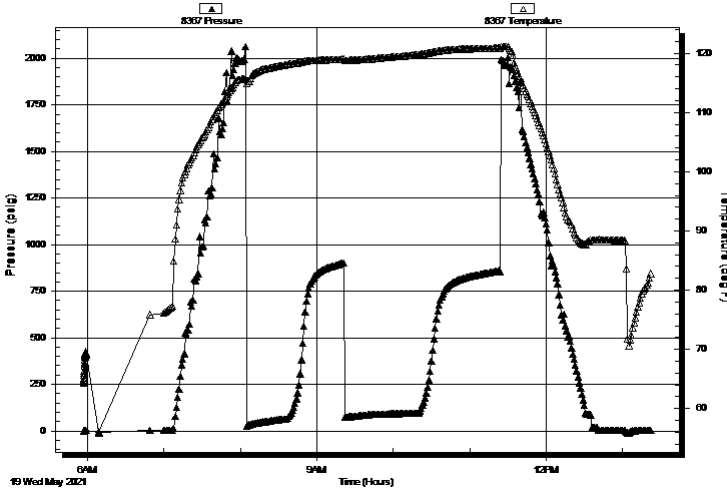
2021.05.19

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30 - IF: Blow built to 5"  
45 - ISI: No blow back  
60 - FF: Blow built to 10 1/2"  
60 - FS: Blow back built to 1", died back to 1/4"

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
153.00	GHOCM 51%m, 37%o, 12%g	0.75
30.00	VSMCO 95%o, 3%m, 2%g	0.15
25.00	CGO 90%o, 10%g	0.35
0.00	GIP = 225'+	0.00

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chizum Oil LLC

**34/3s/32w Rawlins KS**

346 S Lulu  
Wichita, KS 67211

**Walker A #2-34**

Job Ticket: 67007

**DST#: 2**

ATTN: Tim Priest

Test Start: 2021.05.19 @ 05:57:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
153.00	GHOCM 51%m, 37%o, 12%g	0.752
30.00	VSMCO 95%o, 3%m, 2%g	0.148
25.00	CGO 90%o, 10%g	0.351
0.00	GIP = 225'+	0.000

Total Length: 208.00 ft      Total Volume: 1.251 bbl

Num Fluid Samples: 0

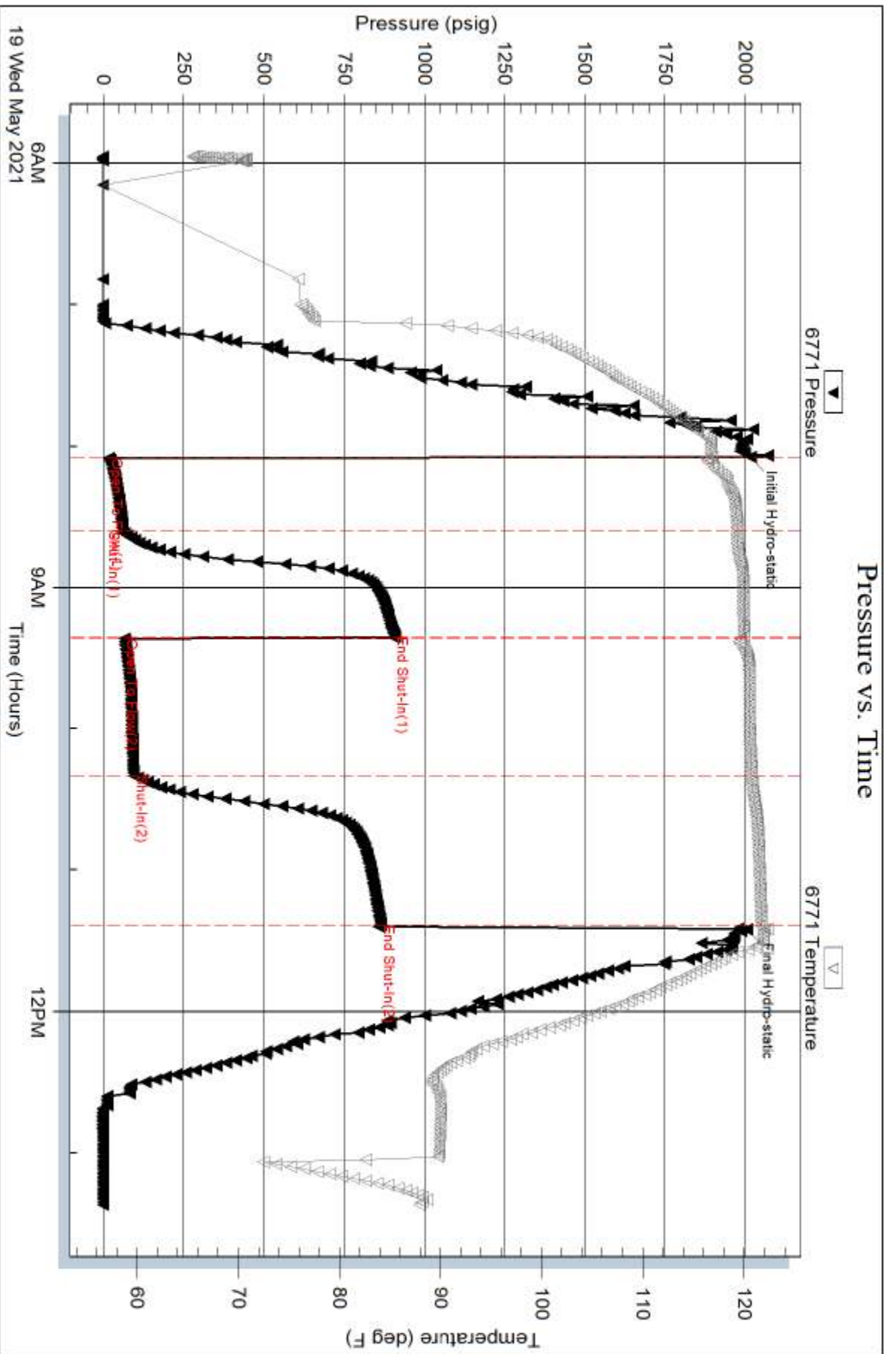
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 35.8 api @ 90 deg F Corrected Gravity = 31.8 api

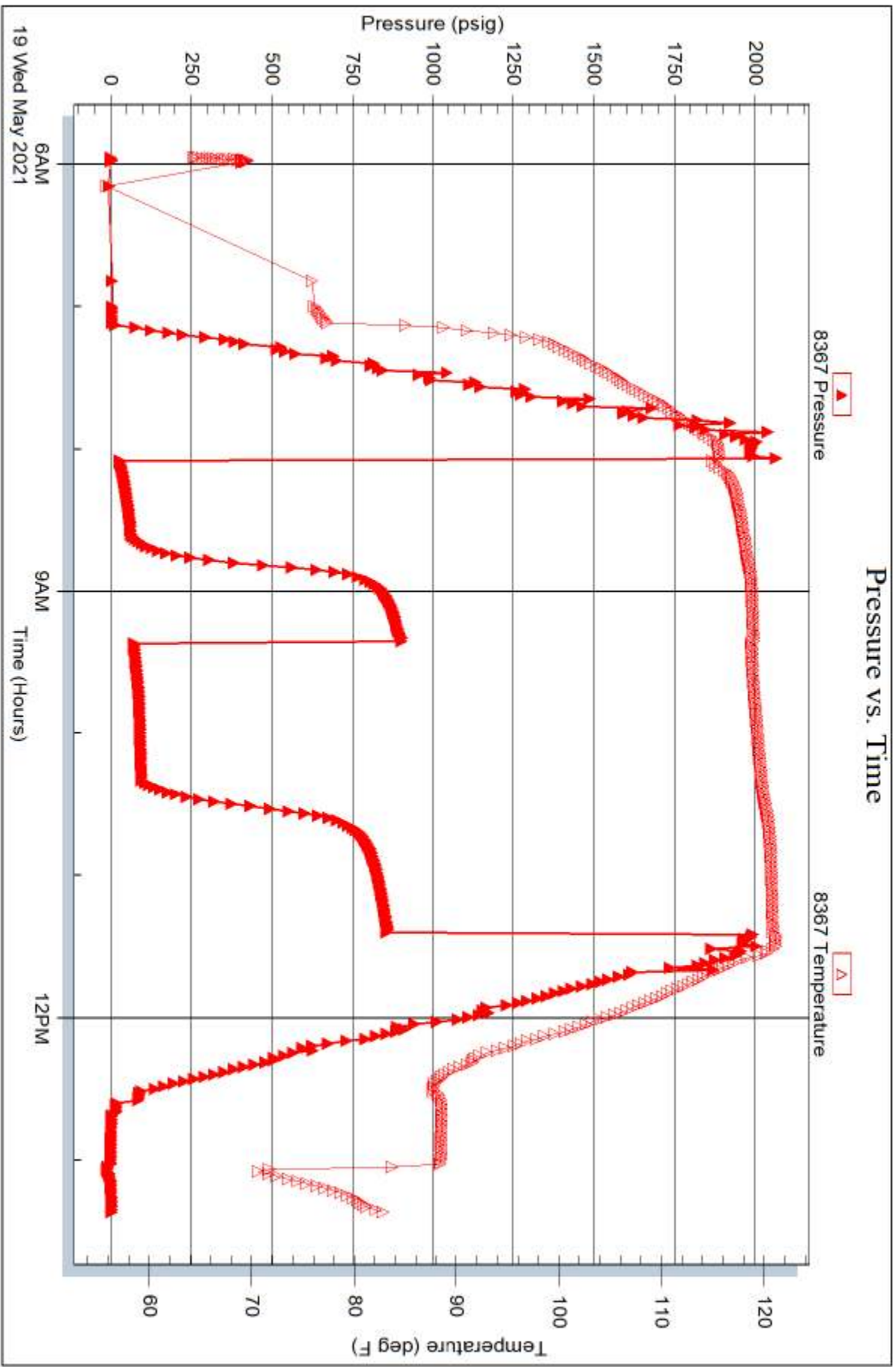


Serial #: 8367

Outside Chizum Oil LLC

Walker A #2-34

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67007

Printed: 2021.05.19 @ 14:20:32



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
346 S Lulu  
Wichita, KS 67211  
ATTN: Tim Priest

**34/3s/32w Rawlins KS**  
**Walker A #2-34**  
Job Ticket: 67008 **DST#: 3**  
Test Start: 2021.05.20 @ 02:18:00

## GENERAL INFORMATION:

Formation: **LKC "J"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 05:03:06  
Time Test Ended: 09:51:36  
Interval: **4109.00 ft (KB) To 4181.00 ft (KB) (TVD)**  
Total Depth: 4181.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: James Winder  
Unit No: 73  
Reference Elevations: 3062.00 ft (KB)  
3057.00 ft (CF)  
KB to GR/CF: 5.00 ft

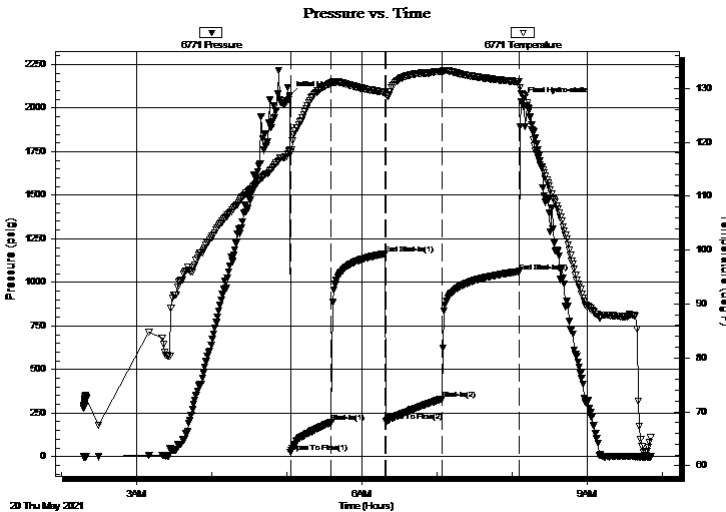
## Serial #: 6771

Inside

Press@RunDepth: 331.05 psig @ 4110.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2021.05.20 End Date: 2021.05.20 Last Calib.: 2021.05.20  
Start Time: 02:18:01 End Time: 09:51:36 Time On Btm: 2021.05.20 @ 05:02:51  
Time Off Btm: 2021.05.20 @ 08:07:36

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 12 1/2 min., built to 20"  
45 - IS: No blow back  
45 - FF: Blow built to BOB at 30 min., stayed at 11"  
60 - FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2070.75	118.62	Initial Hydro-static
1	24.90	118.17	Open To Flow (1)
33	197.94	130.97	Shut-In(1)
76	1163.64	129.26	End Shut-In(1)
77	202.29	128.80	Open To Flow (2)
122	331.05	133.12	Shut-In(2)
184	1062.39	131.19	End Shut-In(2)
185	2038.37	129.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
565.00	MCW 91%w 9%m	6.26
30.00	MW 50%m, 50%w	0.42
0.00	Oil spots in tool	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
346 S Lulu  
Wichita, KS 67211  
ATTN: Tim Priest

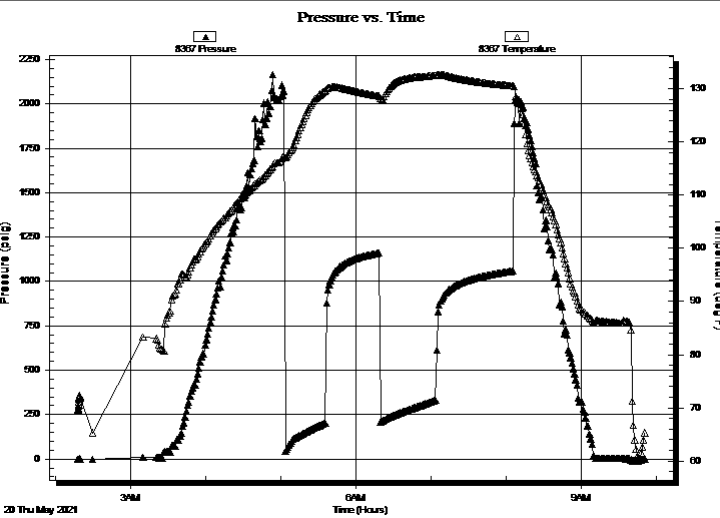
**34/3s/32w Rawlins KS**  
**Walker A #2-34**  
Job Ticket: 67008      **DST#: 3**  
Test Start: 2021.05.20 @ 02:18:00

## GENERAL INFORMATION:

Formation: **LKC "J"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 05:03:06  
Time Test Ended: 09:51:36  
Interval: **4109.00 ft (KB) To 4181.00 ft (KB) (TVD)**  
Total Depth: 4181.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: James Winder  
Unit No: 73  
Reference Elevations: 3062.00 ft (KB)  
3057.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8367      Outside**  
Press@RunDepth: psig @ 4110.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2021.05.20      End Date: 2021.05.20      Last Calib.: 2021.05.20  
Start Time: 02:18:01      End Time: 09:51:36      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** 30 - IF: Blow built to BOB (11") at 12 1/2 min., built to 20"  
45 - IS: No blow back  
45 - FF: Blow built to BOB at 30 min., stayed at 11"  
60 - FS: No blow back



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
565.00	MCW 91%w 9%m	6.26
30.00	MW 50%m, 50%w	0.42
0.00	Oil spots in tool	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Chizum Oil LLC

**34/3s/32w Rawlins KS**

346 S Lulu  
Wichita, KS 67211

**Walker A #2-34**

Job Ticket: 67008

**DST#: 3**

ATTN: Tim Priest

Test Start: 2021.05.20 @ 02:18:00

### 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:

70000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
565.00	MCW 91%w 9%m	6.258
30.00	MW 50%m, 50%w	0.421
0.00	Oil spots in tool	0.000

Total Length: 595.00 ft      Total Volume: 6.679 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

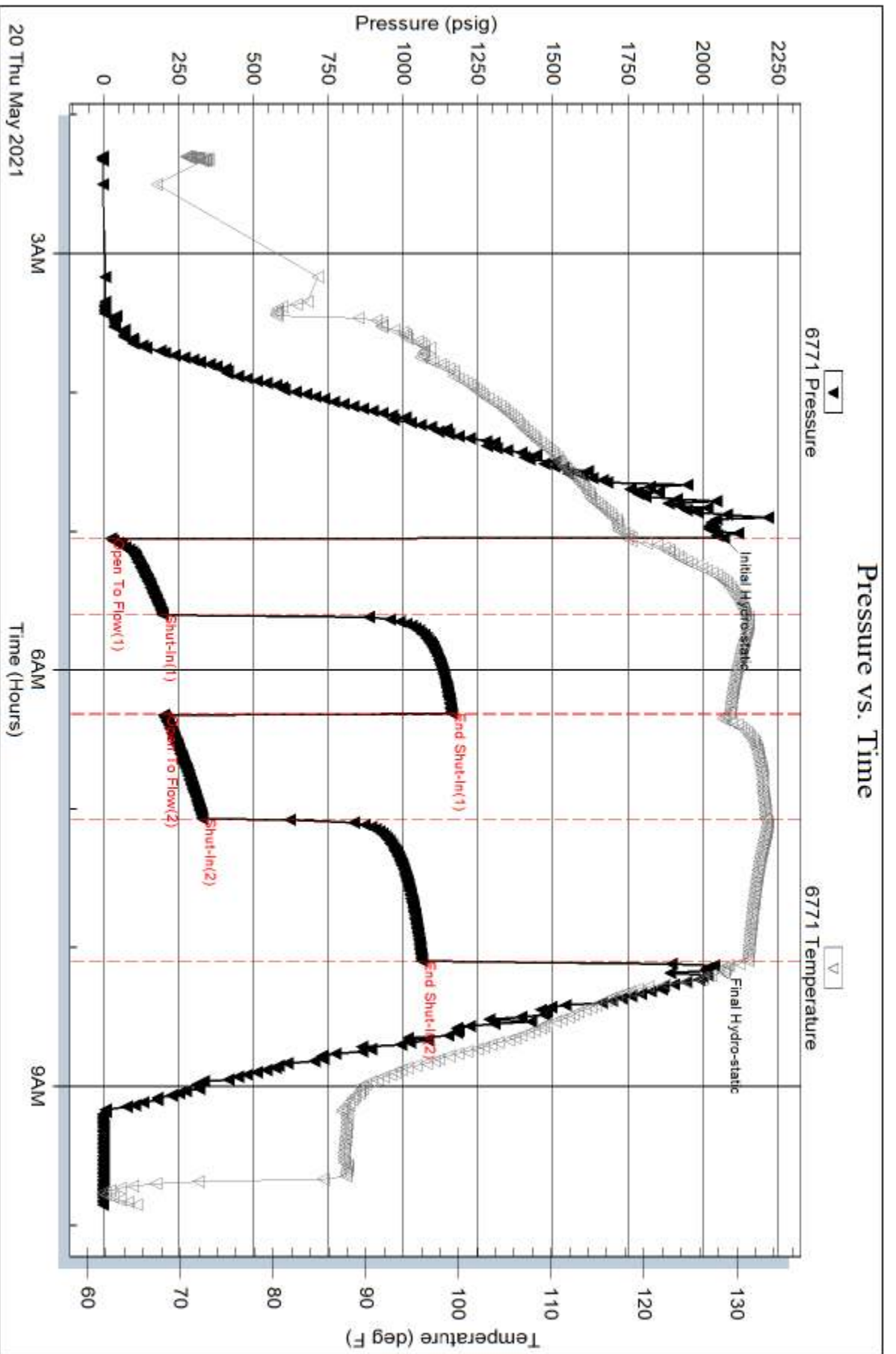
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .134 ohms @0 59.5 deg F Chlorides = 70,000 ppm



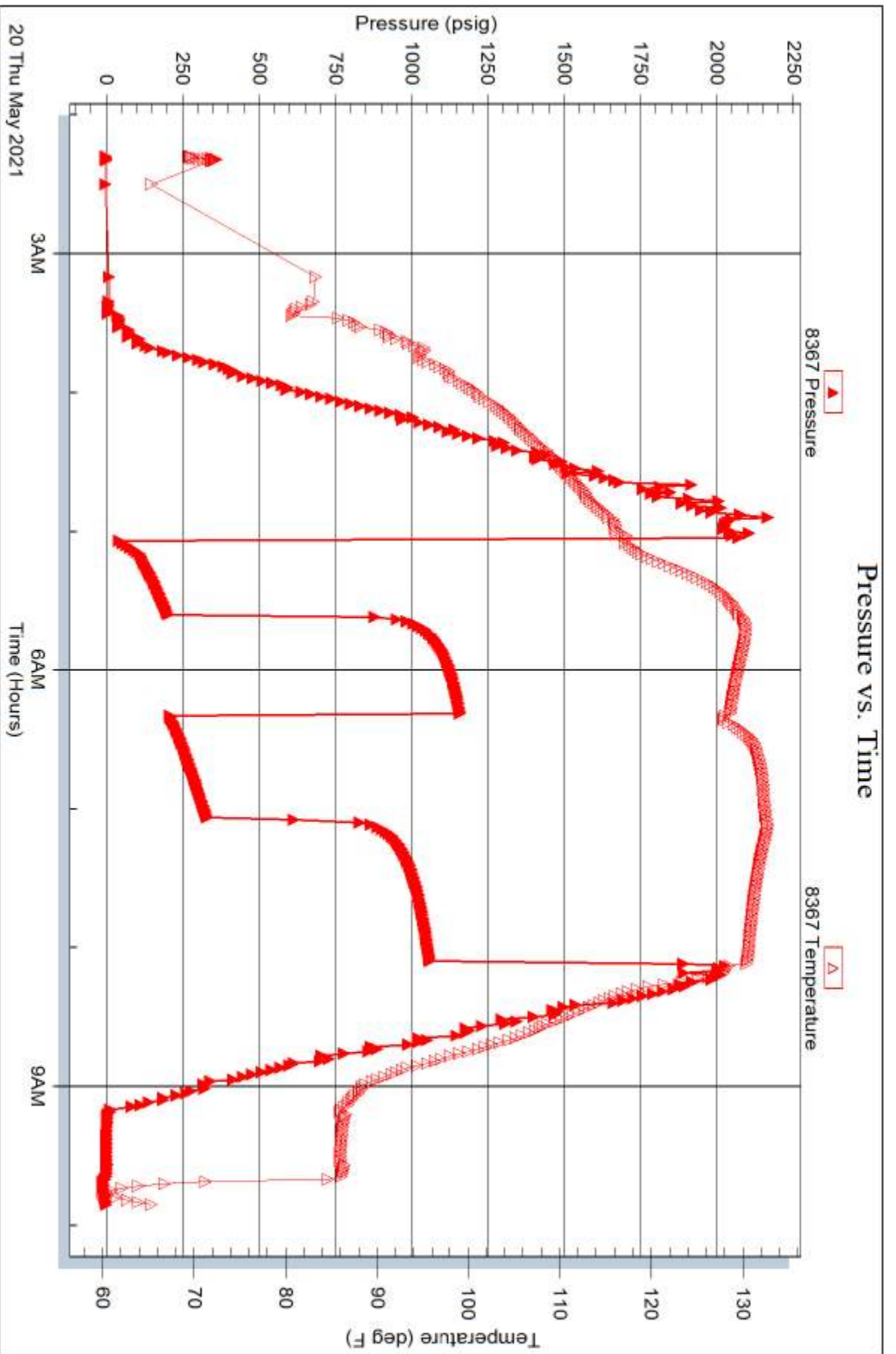


Serial #: 8367

Outside Chizum Oil LLC

Walker A #2-34

DST Test Number: 3





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 346 S Lulu  
 Wichita, KS 67211  
 ATTN: Tim Priest

**34/3s/32w Rawlins KS**

**Walker A #2-34**

Job Ticket: 67009 **DST#: 4**  
 Test Start: 2021.05.20 @ 22:44:00

## GENERAL INFORMATION:

Formation: **LKC "K" - Marmaton A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:10:36

Time Test Ended: 05:43:36

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 73

Interval: **4207.00 ft (KB) To 4264.00 ft (KB) (TVD)**

Reference Elevations: 3062.00 ft (KB)

Total Depth: 4264.00 ft (KB) (TVD)

3057.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6771**

**Inside**

Press@RunDepth: 17.16 psig @ 4208.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.05.20 End Date: 2021.05.21

Last Calib.: 2021.05.21

Start Time: 22:44:01 End Time: 05:43:36

Time On Btm: 2021.05.21 @ 01:10:21

Time Off Btm: 2021.05.21 @ 03:30:21

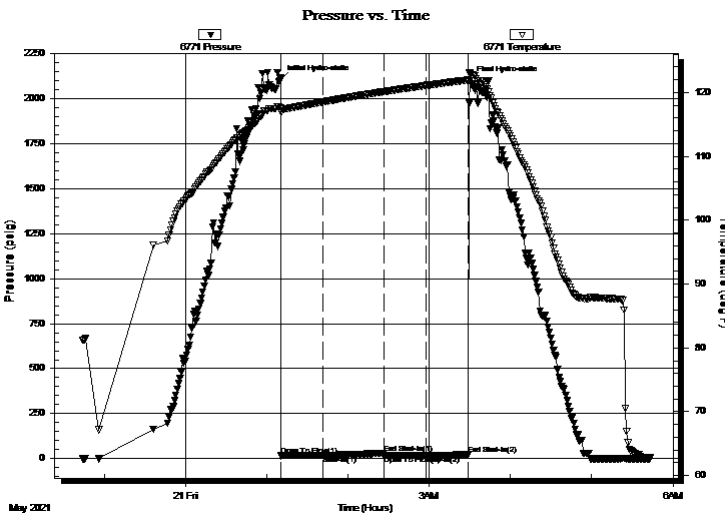
TEST COMMENT: 30 - IF: 1/8" Blow at open, built to 1/4"

45 - IS: No blow back

30 - FF: No blow

30 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2109.31	117.66	Initial Hydro-static
1	15.78	116.90	Open To Flow (1)
32	17.15	118.51	Shut-In(1)
76	30.52	120.13	End Shut-In(1)
77	17.25	120.14	Open To Flow (2)
107	17.16	121.08	Shut-In(2)
139	21.82	121.95	End Shut-In(2)
140	2101.21	122.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.00

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Chizum Oil LLC  
 346 S Lulu  
 Wichita, KS 67211  
 ATTN: Tim Priest

**34/3s/32w Rawlins KS**  
**Walker A #2-34**  
 Job Ticket: 67009 **DST#: 4**  
 Test Start: 2021.05.20 @ 22:44:00

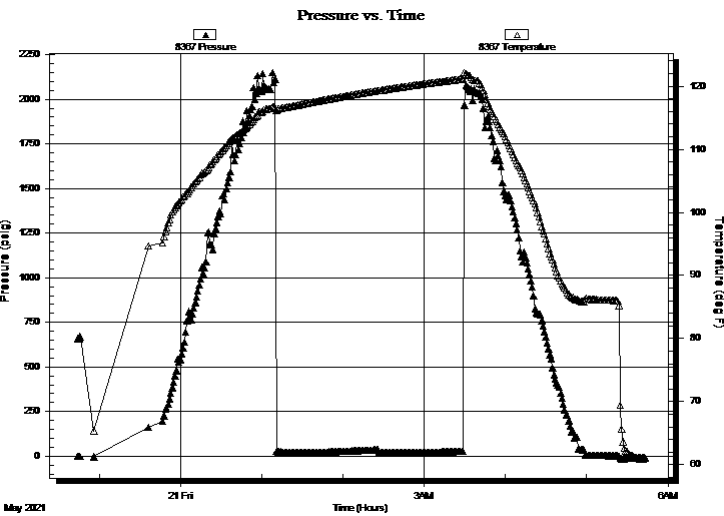
## GENERAL INFORMATION:

Formation: **LKC "K" - Marmaton A**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:10:36  
 Time Test Ended: 05:43:36  
 Interval: **4207.00 ft (KB) To 4264.00 ft (KB) (TVD)**  
 Total Depth: 4264.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 73  
 Reference Elevations: 3062.00 ft (KB)  
 3057.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8367 Outside

Press@RunDepth: psig @ 4208.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.05.20 End Date: 2021.05.21 Last Calib.: 2021.05.21  
 Start Time: 22:44:01 End Time: 05:43:21 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30 - IF: 1/8" Blow at open, built to 1/4"  
 45 - ISI: No blow back  
 30 - FF: No blow  
 30 - FS: No blow



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chizum Oil LLC

**34/3s/32w Rawlins KS**

346 S Lulu  
Wichita, KS 67211

**Walker A #2-34**

Job Ticket: 67009

**DST#: 4**

ATTN: Tim Priest

Test Start: 2021.05.20 @ 22:44:00

## 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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

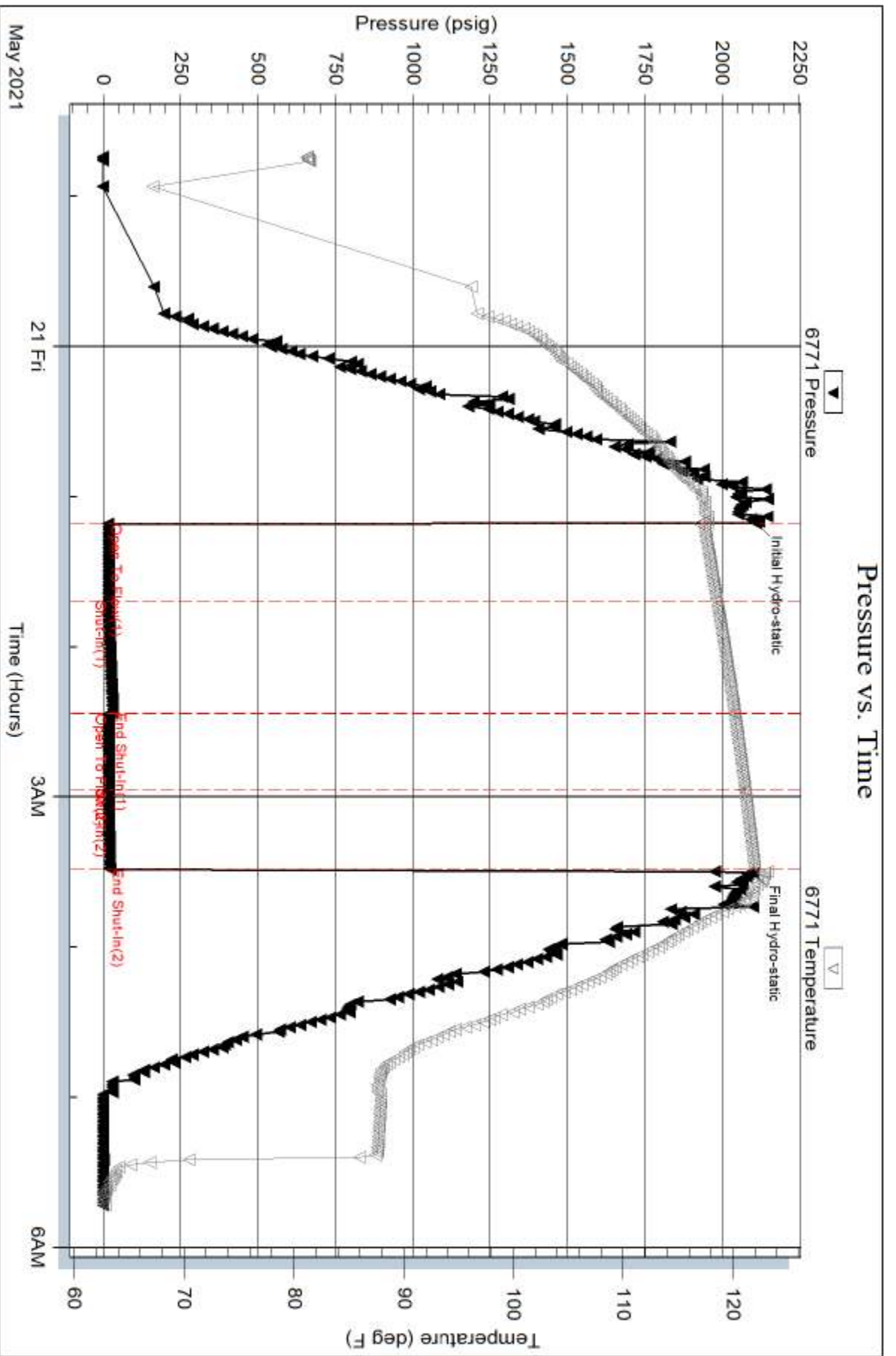
Serial #: 6771

Inside

Chizum Oil LLC

Walker A #2-34

DST Test Number: 4

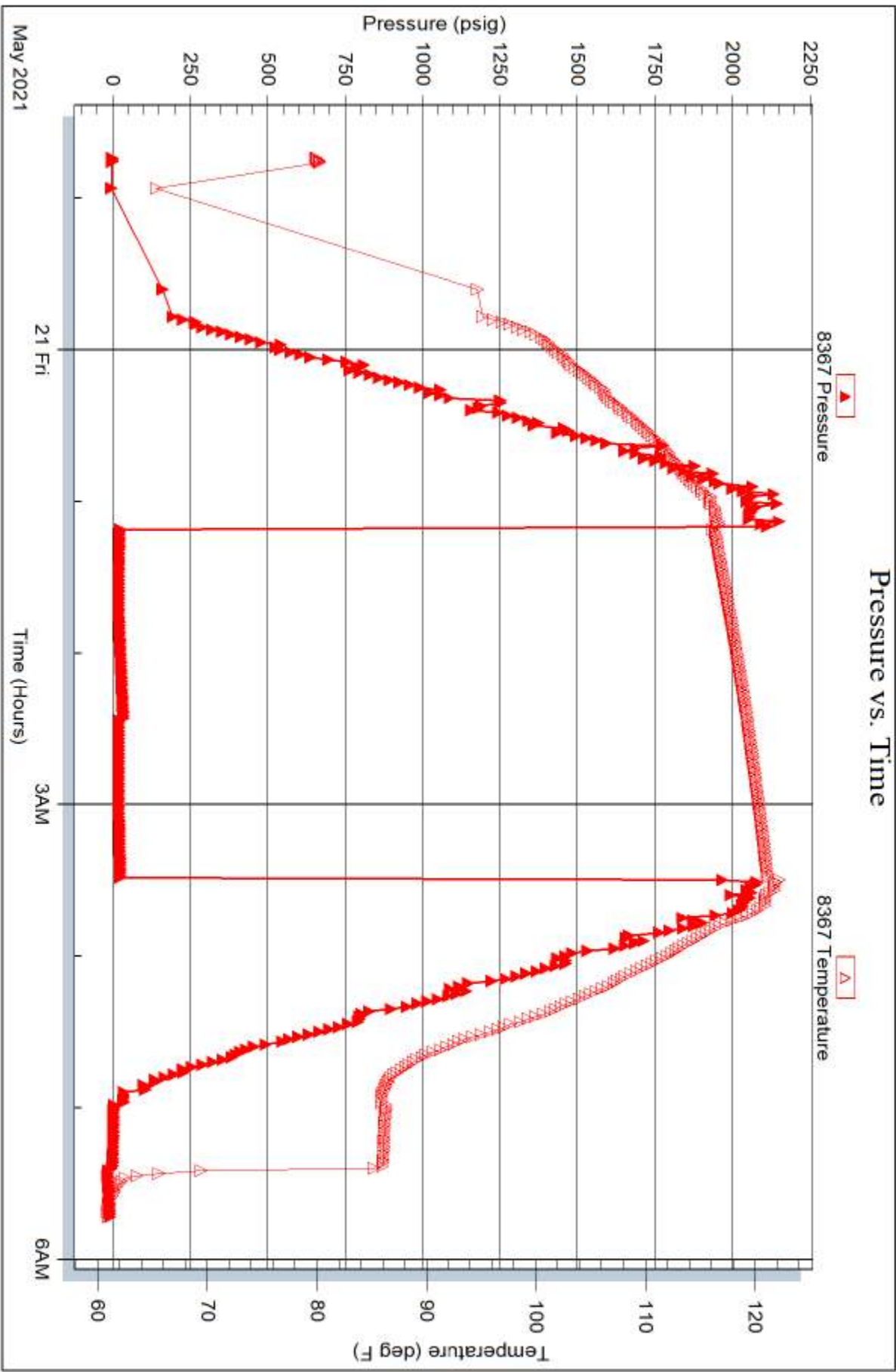


Serial #: 8367

Outside Chizum Oil LLC

Walker A #2-34

DST Test Number: 4

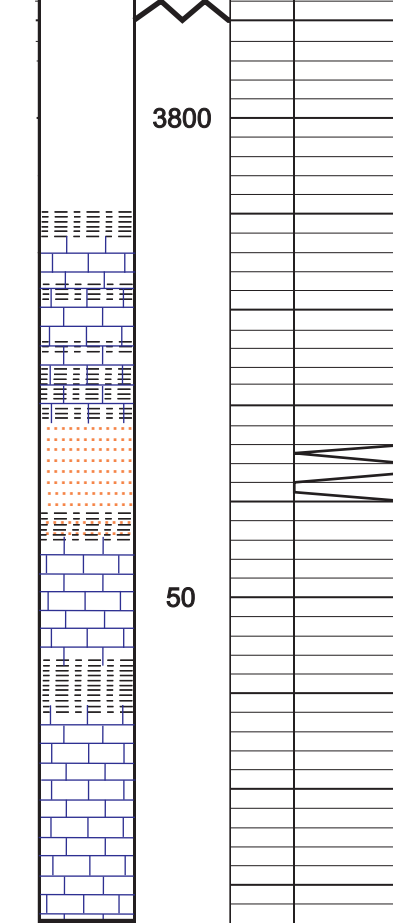


**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY **CHIZUM OIL, LLC** ELEVATIONS  
 LEASE **WALKER A #2-34** KG 3057'  
 FIELD **Widdell** DF \_\_\_\_\_  
 LOCATION **1749' FNL, 1131' FWL** GL 3052'  
 SEC **34** TWPSP **3S** RGE **32W**  
 COUNTY **Kawlings** STATE **Kansas** Measurements Are All From **KB**  
 CONTRACTOR **WW Drilling, Rig #110**  
 SPUD **5-15-21** COMP **5-15-21**  
 RTD **4625'** LTD **4625'** CASING  
 MUD UP **3500'** TYPE MUD **Chemical** CONDUCTOR **N/A**  
 SURFACE **8-5/8" @ 340'**  
 PRODUCTION \_\_\_\_\_  
 SAMPLES SAVED FROM **3800'** to RTD  
 DRILLING TIME KEPT FROM **3800'** to RTD  
 SAMPLES EXAMINED FROM **3800'** to RTD  
 GEOLOGICAL SUPERVISION FROM **3800'** to RTD  
 GEOLOGIST ON WELL **Tim Priest**  
 ELECTRICAL SURVEYS CND/D/SP/P/E  
 MICROSONIC \_\_\_\_\_

FORMATION TOPS ELECTRIC LOG SAMPLE

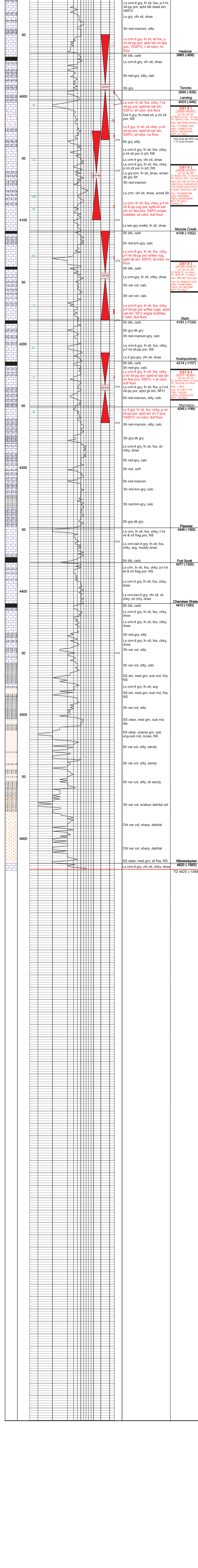
Anydrite	2786 (-271)	2790 (+265)
Heebner	3965 (-908)	3965 (-908)
Austin	4004 (-947)	4003 (-946)
Stark	4182 (-1125)	4181 (-1124)
Marmaton	4252 (-1195)	4252 (-1195)
Fort Scott	4376 (-1319)	4377 (-1320)
Mississippi	4409 (-1352)	4410 (-1353)
Mississippi	NL	4620 (-1563)



REMARKS Due to the results of DST #2, it was decided to set production casing to further test the well.

Respectfully Submitted,

**API #15-153-21262** Tim Priest  
 Petroleum Geologist







<b>Customer</b>	Chizum Oil LLC		<b>Lease &amp; Well #</b>	Walker A 2-34		<b>Date</b>	5/23/2021	
<b>Service District</b>	Oakley KS		<b>County &amp; State</b>	Rawlins KS		<b>Legals S/T/R</b>	34-3S-32W	
<b>Job Type</b>	Longstring	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	<b>Legals S/T/R</b>	<b>New Well?</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No
<b>Equipment #</b>	<b>Driver</b>	<b>Job Safety Analysis - A Discussion of Hazards &amp; Safety Procedures</b>						
73	Josh	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Lockout/Tagout	<input checked="" type="checkbox"/> Warning Signs & Flagging			
208	John	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input checked="" type="checkbox"/> Required Permits	<input checked="" type="checkbox"/> Fall Protection			
230	Kale	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations			
194/254	Hugo	<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 checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below				
<b>Comments</b>								

Product/ Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount
M010	Heavy Equipment Mileage	mi	60.00				\$211.20
M015	Light Equipment Mileage	mi	60.00				\$105.60
M020	Ton Mileage	tm	494.00				\$652.08
D015	Depth Charge: 4001'-5000'	job	1.00				\$2,200.00
C050	Cement Plug Container	job	1.00				\$220.00
FE130	5 1/2" Cement Basket	ea	1.00				\$264.00
FE135	5 1/2 Turbolizer	ea	5.00				\$352.00
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00				\$330.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00				\$308.00
CP030	H-Long	sack	150.00				\$3,696.00
CP055	H-Plug	sack	30.00				\$343.20
CP170	Mud Flush	gal	500.00				\$440.00
AF055	Liquid KCL Substitute	gal	5.00				\$132.00

<b>Customer Section: On the following scale how would you rate Hurricane Services Inc.?</b>				<b>Gross:</b>		<b>Net:</b>	<b>\$9,254.08</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 Taxable</b>	\$ -	<b>Tax Rate:</b>	
				State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		<b>Sale Tax:</b>	\$ -
				HSI Representative: <i>Josh Master</i>			

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to 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**



**CEMENT TREATMENT REPORT**

Customer: Chizum Oil LLC	Well: Walker A 2-34	Ticket: WP 1419
City, State: Oakley Ks	County: Rawlins KS	Date: 5/23/2021
Field Rep: Josh Mosier	S-T-R: 34-3S-32W	Service: Longstring

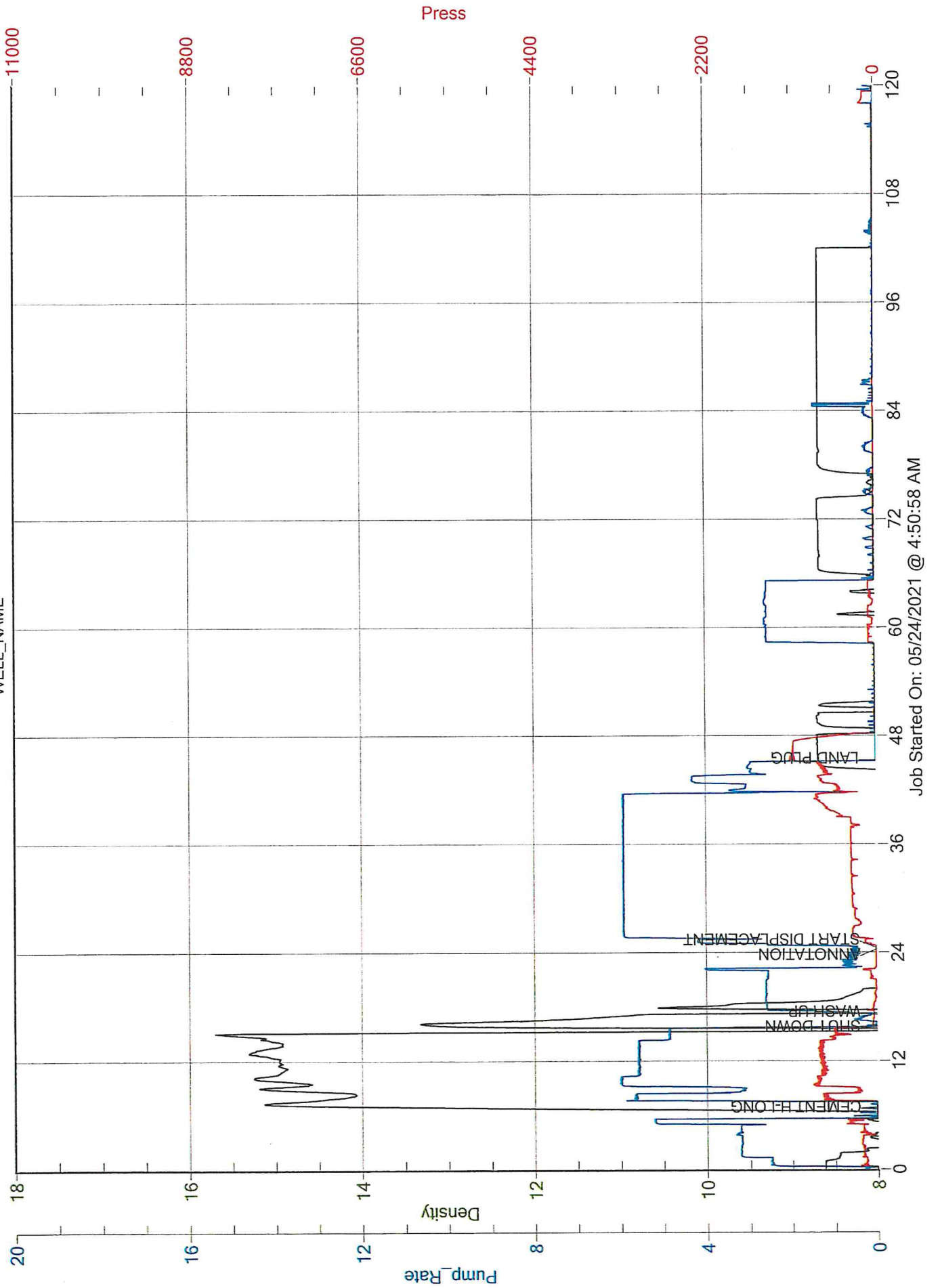
Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	H-Long	Blend:	H- Plug
Hole Depth:	4652 ft	Weight:	15.0 ppg	Weight:	13.8 ppg
Casing Size:	5 1/2 in	Water / Sx:	6.2 gal / sx	Water / Sx:	6.9 gal / sx
Casing Depth:	4598 ft	Yield:	1.43 ft <sup>3</sup> / sx	Yield:	1.42 ft <sup>3</sup> / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	0.0309 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	4598 ft	Depth:	ft
Tool / Packer:		Annular Volume:	142.1 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	108.5 bbls	Total Slurry:	38.2 bbls	Total Slurry:	7.5 bbls
		Total Sacks:	150 sx	Total Sacks:	30 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
830P			-	-	GOT TO LOCATION/ RIG WAS PULLING DC
835P				-	SAFETY MEETING
840P				-	RIGGED UP TRUCKS
1125P				-	STARTED RUNNING CASING
130A				-	LANDED CASING
135P				-	DROPPED BALL
145P				-	KICKED RIG PUMP IN
155P				-	BALL BROKE THROUGH
250A	3.0	250.0	5.0	5.0	PUMPED 5 BBL H2O AHEAD
253A	3.5	250.0	10.0	15.0	PUMPED 500 GAL OF MUD FLUSH
258A	3.5	250.0	5.0	20.0	PUMPED 5 BBL OF H2O
301A	1.5	50.0	7.5		PUMPED 30 SKSOF H-PLUG IN RH
310A	4.0	550.0	7.7		PUMPED 34 SKS OF H- LONG
312A					208 PUMP TRUCK BROKE DOWN
315A					HOOKED UP TO RIG PUMP TO PUMP THE 34 SKS AWAY TO PIT
					DROVE TO OAKLEY RELOADED BULK TRUCK AND PICKED UP 230 PUMP TRUCK
725A					GOT BACK TO LOCATION
730A					RIGGED UP TRUCKS
800A	3.0	250.0	10.0		PUMPED 500 GAL OF MUD FLUSH
804A	3.0	250.0	5.0		PUMPED 5 BBL H2O SPACER
808A	5.0	700.0	38.2		PUMPED 150 SKS OF H- LONG @ 4598 FT
815A					SHUT DOWN WASHED UP PUMP AND LINES LOADED PLUG
825A	4.0	700.0			DISPLACED WITH H2O
845A		1,200.0			PLUG LANDED
846A					WASHED UP PUMP TRUCK
848A					RIGGED DOWN TRUCKS
945A					OFF LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Josh	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	John	208	3.4 bpm	445 psi	88 bbls
Bulk #1:	Kale	230			
Bulk #2:	Hugo	194/254			

# Chizum Oil

WELL\_NAME



Job Started On: 05/24/2021 @ 4:50:58 AM



Customer: Chizum Oil LLC		Lease & Well #: Walker A 2-34		Date: 5/15/2021	
Service District: Oakley KS		County & State: Rawlins, KS		Legals S/T/R: 34-3S-32W	
Job Type: 8.625" surface		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No	
Ticket #: WP 1397					
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
78	Fennis	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
230	Mike	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
180/250	Orlando	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
<b>Comments</b>					
Muster point entrance of location. Person in charge Fennis. Nearest hospital Atwood KS PHONE # 911					
Product/Service Code	Description	Unit of Measure	Quantity	Net Amount	
CP015	H-325	sack	150.00	\$2,550.00	
M015	Light Equipment Mileage	mi	60.00	\$102.00	
M010	Heavy Equipment Mileage	mi	60.00	\$204.00	
M020	Ton Mileage	tm	423.00	\$539.33	
D010	Depth Charge: 0'-500'	job	1.00	\$850.00	
Customer Section: On the following scale how would you rate Hurricane Services Inc.?					
Based on this job, how likely is it you would recommend HSI to a colleague?			Total Taxable    \$    -    Tax Rate:		Net:    \$4,245.33
<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"/> <input type="checkbox"/>			State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		Sale Tax:    \$    -
Unlikely   1   2   3   4   5   6   7   8   9   10   Extremely Likely			Total:    \$    4,245.33		
			HSI Representative: <i>Fennis Garduno</i>		

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to 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**



**CEMENT TREATMENT REPORT**

Customer:	Chizum Oil LLC	Well:	Walker A 2-34	Ticket:	WP 1397
City, State:		County:	Rawlins, KS	Date:	5/15/2021
Field Rep:	Fennis Garduno	S-T-R:	34-3S-32W	Service:	8.625" surface

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	255 ft
Casing Size:	8 5/8 in
Casing Depth:	249.7 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	15.0 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.4 gal / sx
Yield:	1.41 ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	100%
Total Slurry:	38.0 bbls
Total Sacks:	150 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft <sup>3</sup> / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
12:15 PM			-	-	Journey management meeting
12:30 PM				-	Convoy to location
1:30 PM				-	Arrive on location
1:35 PM				-	Safety meeting
1:40 PM				-	Spot in / rig up equipment
1:45 PM		400.0		-	Rig land casing circulate
1:50 PM	3.5	100.0	5.0	5.0	Hook cement equipment to casing pump fresh water spacer
1:55 PM	4.0	330.0	38.0	43.0	Mix 150 sx H-325 @ 14.8 ppg
2:05 PM	3.0	200.0	15.0	58.0	Displace cement with fresh water leaving 20' shoe
2:15 PM				58.0	S/d shut in casing with 200 psi on it
				58.0	Rig down leave loaction
					Circulated 4 bbls of cement to pit

CREW		UNIT	SUMMARY		
Cementer:	Fennis	78	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Mike	230	3.5 bpm	258 psi	58 bbls
Bulk #1:	Orlando	180/250			
Bulk #2:					