

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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Customer	Chizum Oil LLC	Lease & Well #	Walker B 1-27	Date	5/15/2021
Service District	Oakley KS	County & State	Rawlins, KS	Legals S/T/R	27-3S-32W
Job Type	8.625" surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Job #
Equipment #	Driver	<input type="checkbox"/> New Well?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> No	Ticket #

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	

Comments
 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	
M015	Light Equipment Mileage	mi	60.00	\$2,550.00
M010	Heavy Equipment Mileage	mi	60.00	\$102.00
M020	Ton Mileage	tm	423.00	\$204.00
D010	Depth Charge: 0'-500'	job	1.00	\$539.33
				\$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?

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

Total Taxable	\$ -	Tax Rate:		Net:	\$4,245.33
				Sale Tax:	\$ -
				Total:	\$ 4,245.33

HSI Representative: *Fennis Garduno*

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 ½% 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 B 1-27	Ticket: WP 1397
City, State:	County: Rawlins, KS	Date: 5/15/2021
Field Rep: Fennis Garduno	S-T-R: 27-3S-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 ³ / 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 ³ / 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 location
					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:					



Customer		Chizum Oil LLC	Lease & Well #		Walker B # 1 - 27	Date		5/23/2021		
Service District		Oakley KS	County & State		Rawlins KS	Legals S/T/R		27-3S-32W		
Job Type		Longstring	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> No		
Equipment #		Job Safety Analysis - A Discussion of Hazards & Safety Procedures							Ticket #	WP 1419
Driver	<input checked="" type="checkbox"/> Hard hat <input checked="" type="checkbox"/> H2S Monitor <input checked="" type="checkbox"/> Safety Footwear <input checked="" type="checkbox"/> FRC/Protective Clothing <input checked="" type="checkbox"/> Hearing Protection		<input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> Respiratory Protection <input type="checkbox"/> Additional Chemical/Acid PPE <input checked="" type="checkbox"/> Fire Extinguisher		<input checked="" type="checkbox"/> Lockout/Tagout <input checked="" type="checkbox"/> Required Permits <input checked="" type="checkbox"/> Slip/Trip/Fall Hazards <input checked="" type="checkbox"/> Overhead Hazards <input type="checkbox"/> Additional concerns or issues noted below		<input checked="" type="checkbox"/> Warning Signs & Flagging <input checked="" type="checkbox"/> Fall Protection <input type="checkbox"/> Specific Job Sequence/Expectations <input checked="" type="checkbox"/> Muster Point/Medical Locations			
Comments										

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

Customer Section: On the following scale how would you rate Hurricane Services Inc.?			Gross:		Net:		\$9,254.08
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"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely			Total Taxable \$ - Tax Rate:		Sale Tax: \$ -		
			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.		Total: \$ 9,254.08		
			HSI Representative: <i>Josh Mosier</i>				

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X _____ CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer: Chizum Oil LLC	Well: Walker B # 1 - 27	Ticket: WP 1419
City, State: Oakley Ks	County: Rawlins KS	Date: 5/23/2021
Field Rep: Josh Mosier	S-T-R: 27-3S-32W	Service: Longstring

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4652 ft
Casing Size:	5 1/2 in
Casing Depth:	4598 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	108.5 bbbls

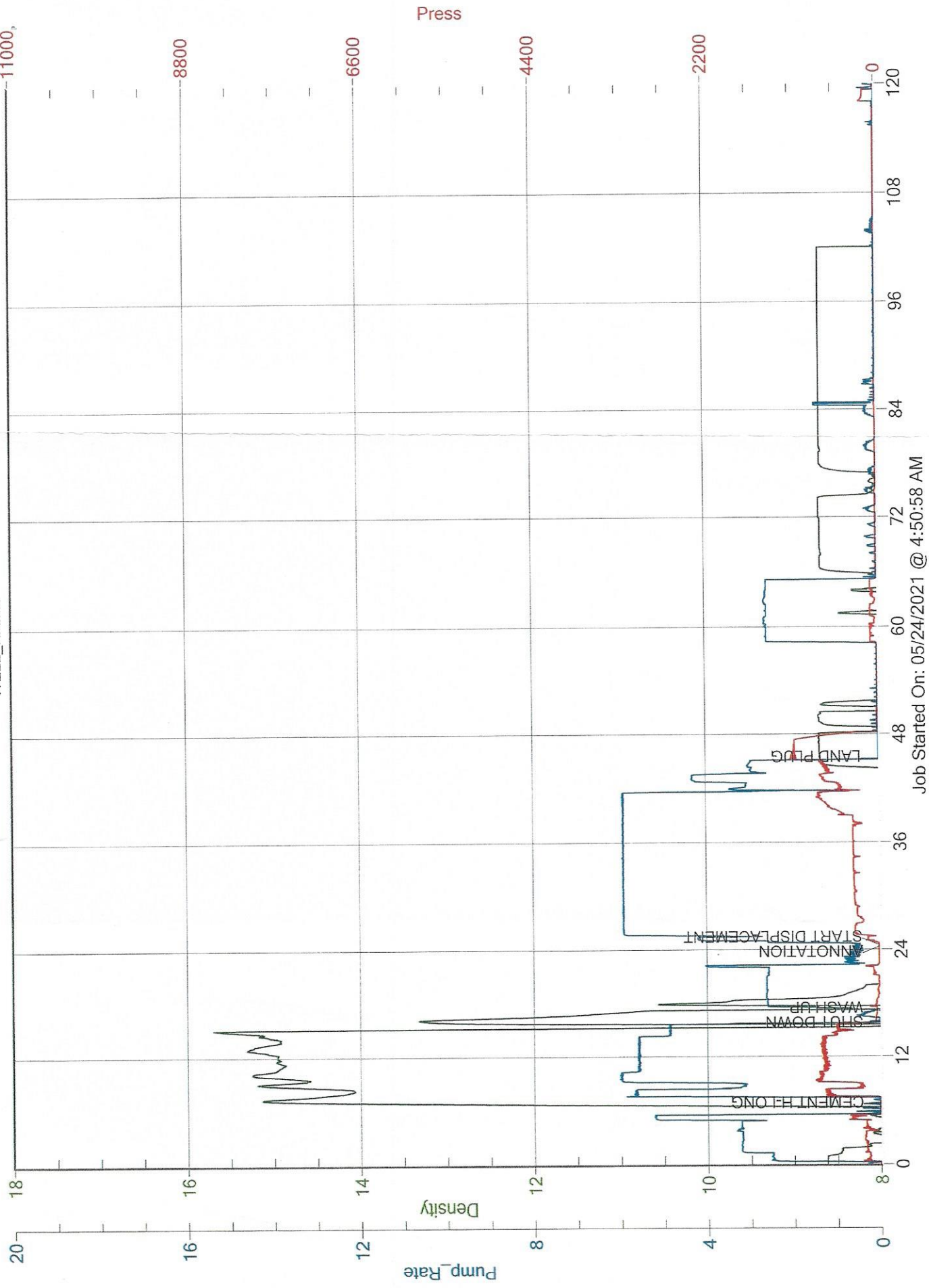
Calculated Slurry - Lead	
Blend:	H-Long
Weight:	15.0 ppg
Water / Sx:	6.2 gal / sx
Yield:	1.43 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	4598 ft
Annular Volume:	142.1 bbbls
Excess:	
Total Slurry:	38.2 bbbls
Total Sacks:	150 sx

Calculated Slurry - Tail	
Blend:	H- Plug
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbbls
Excess:	
Total Slurry:	7.5 bbbls
Total Sacks:	30 sx

TIME	RATE	PSI	BBLs	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 bbbls
Bulk #1:	Kale	230			
Bulk #2:	Hugo	194/254			

Chizum Oil
WELL_NAME



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

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **CHIZUM OIL, LLC**
 LEASE **WALKER B #1-27**
 FIELD **Wildcat**
 LOCATION **335' TMS, 2296' FEL**
 SEC **27** TMS **3S** RGE **32W**
 COUNTY **Rawlins** STATE **Kansas**

CONTRACTOR **WW Drilling, Rig #110**
 SPUD **5-29-21** COMP **6-5-21**
 RTD **4500'** LTD **4502'**
 MUD UP **3300'** TYPE MUD **Chemical**

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**

EL ELEVATIONS
 KB 3048'
 DF _____
 GL 3043'

Measurements Are All From **KB**

CASING
 CONDUCTION **N/A**
 SURFACE **8.5-8" @ 340'**
 PRODUCTION **None**

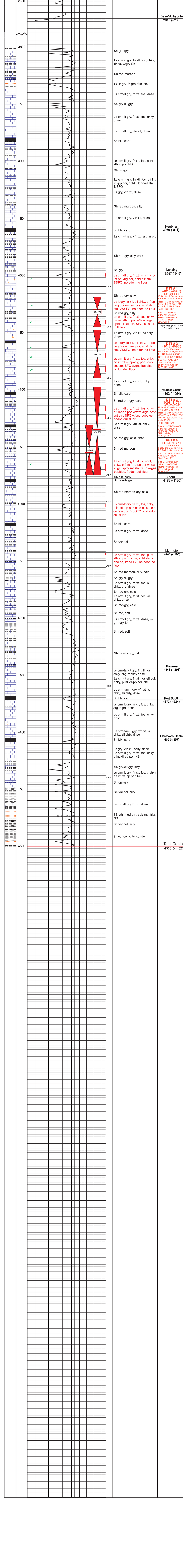
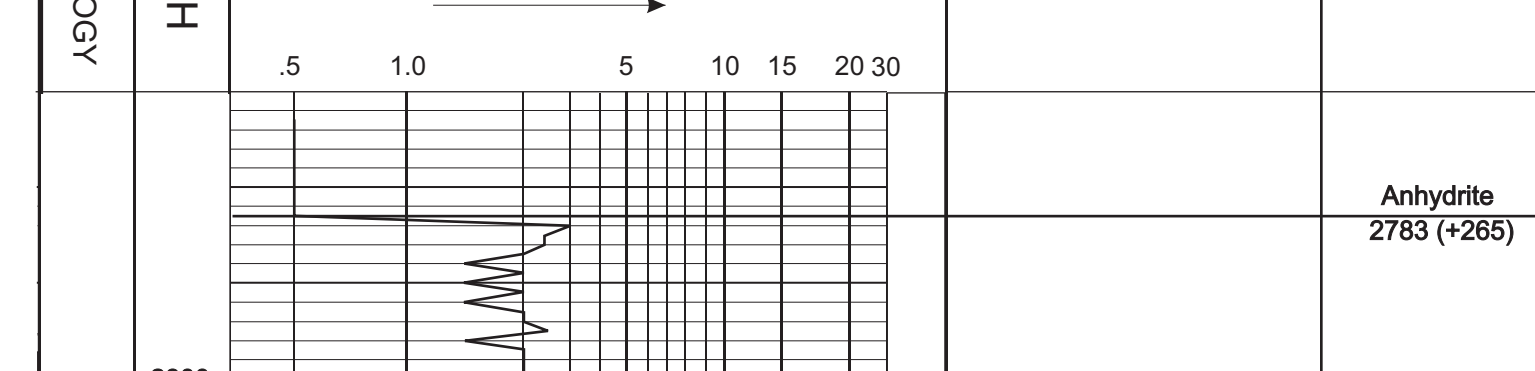
ELECTRICAL SURVEYS
 CND/D/SP/P/E _____
 Micro _____

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anyvrite	2780 (+262)	2783 (-265)
Heebner Shale	3960 (-912)	3959 (-911)
Ausling	3998 (-950)	3997 (-949)
Sark	4177 (-1129)	4178 (-1130)
Marmaton	4246 (-1198)	4243 (-1195)
Fort Scott	4372 (-1324)	4372 (-1324)
Mississippian	4405 (-1357)	4405 (-1357)

REMARKS It was decided to plug and abandon the well.

Respectfully Submitted,

API #15-153-21261 Tim Priest
 Petroleum Geologist



Total Depth 4500' (-1452)



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

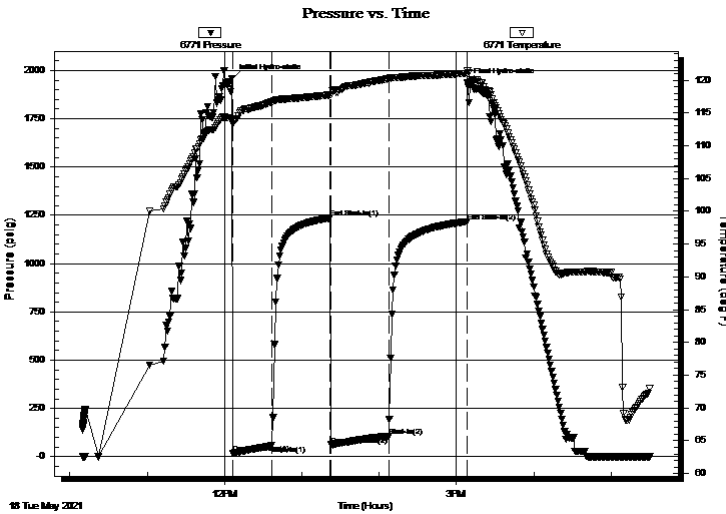
Serial #: 6771

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

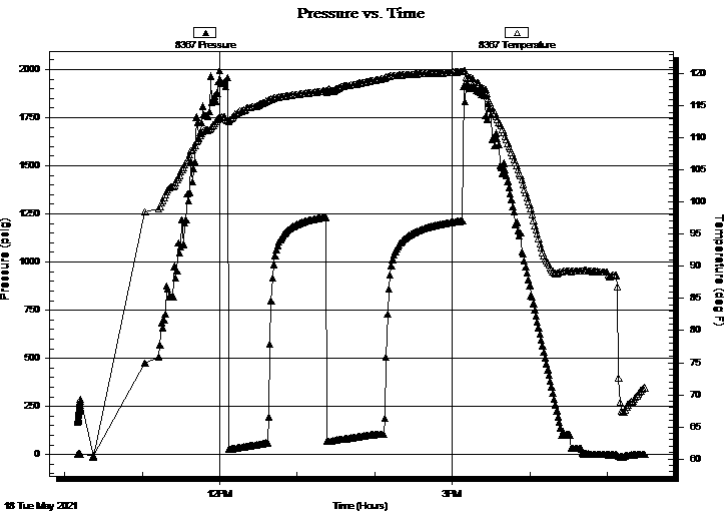
34/3s/32w Rawlins KS
Walker A #2-34
Job Ticket: 67006 **DST#: 1**
Test Start: 2021.05.18 @ 10:10:00

GENERAL INFORMATION:

Formation: **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 #: 8367 Outside
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 ³	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

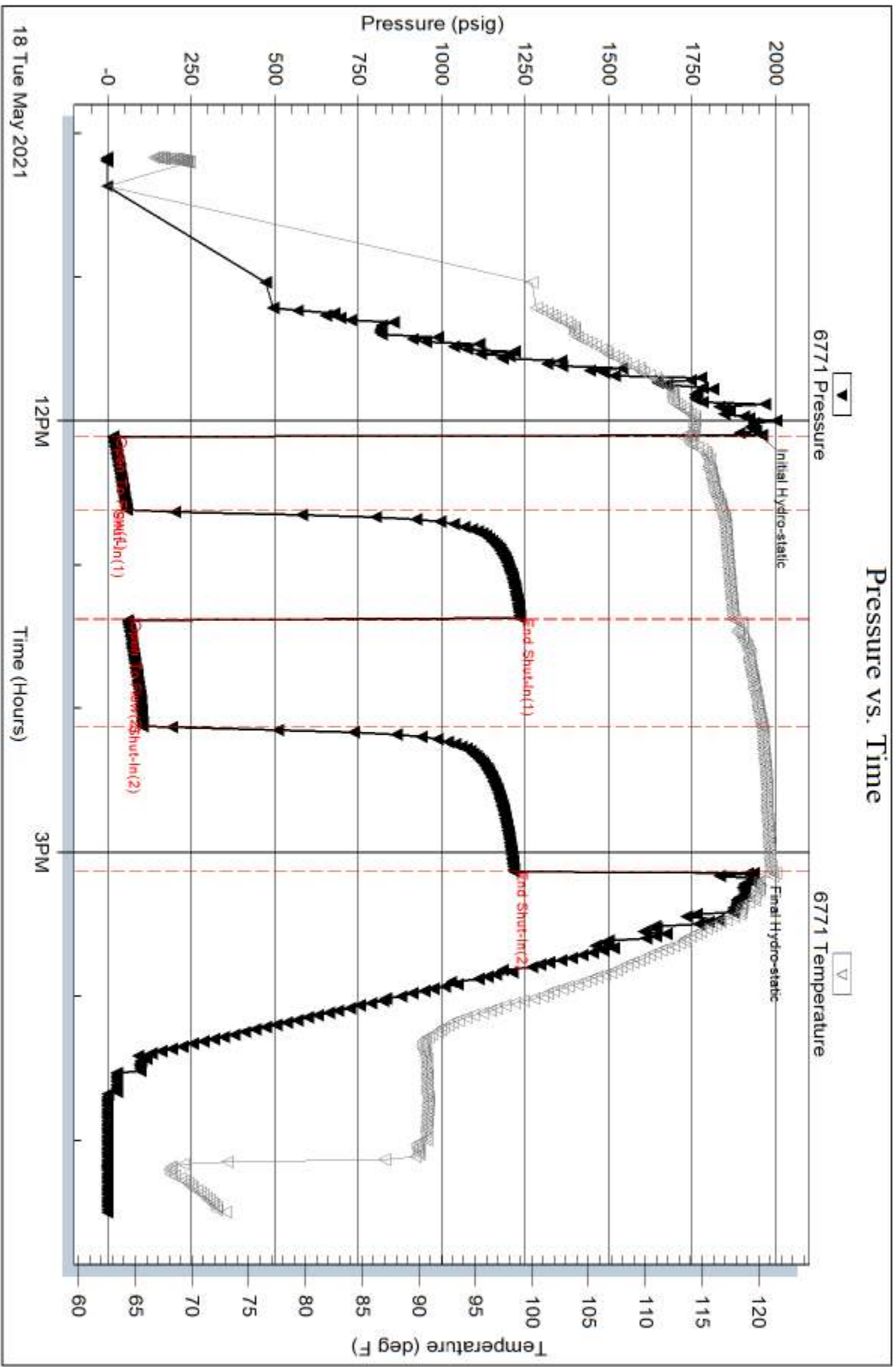
Total Length: 188.00 ft Total Volume: 0.970 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW = .343 ohms @ 67.5 deg F Chlorides = 21,000 ppm

Serial #: 6771

Inside Chizum Oil

Walker A #2-34

DST Test Number: 1



18 Tue May 2021

12PM

Time (Hours)

3PM

Trilobite Testing, Inc

Ref. No: 67006

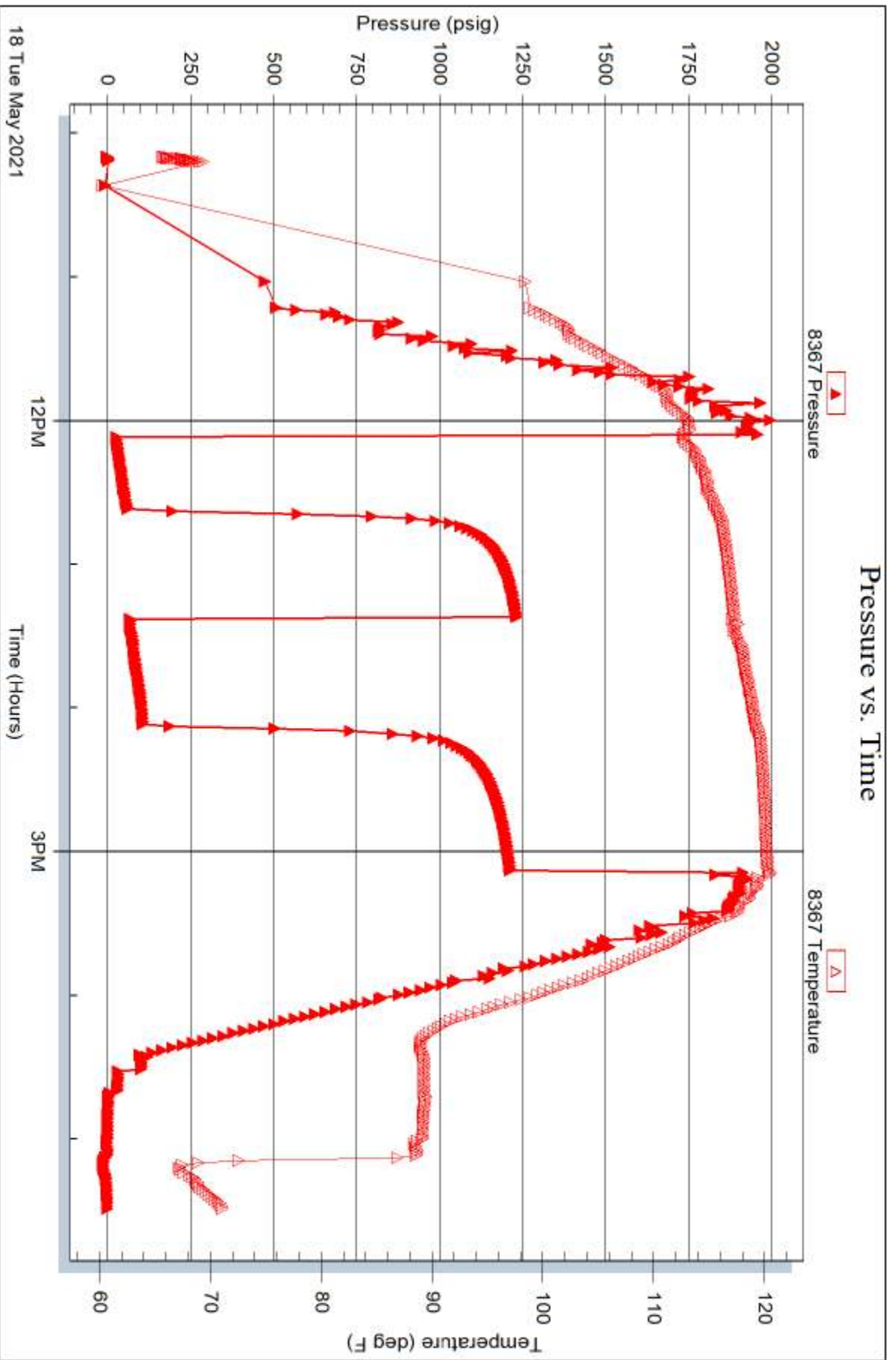
Printed: 2021.05.18 @ 18:40:19

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

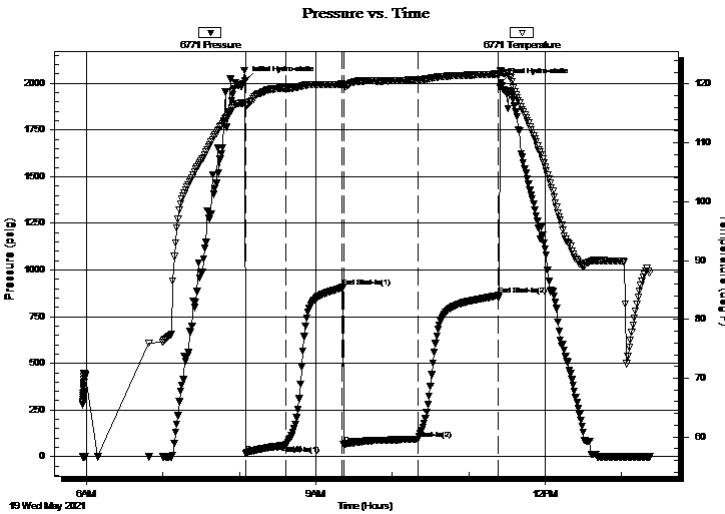
Serial #: 6771

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 - IS: No blow back
60 - FF: Blow built to 10 1/2"
60 - FS: 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

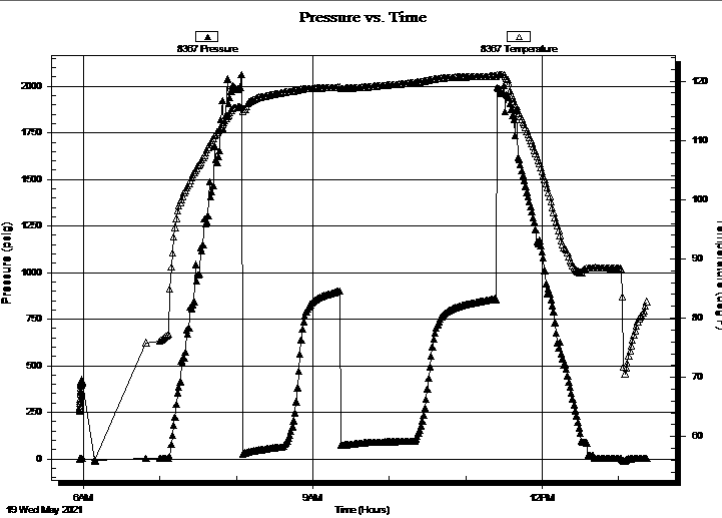
34/3s/32w Rawlins KS
Walker A #2-34
Job Ticket: 67007 **DST#: 2**
Test Start: 2021.05.19 @ 05:57:00

GENERAL INFORMATION:

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

Serial #: 8367	Outside	Capacity: 8000.00 psig
Press@RunDepth: psig @ 4029.00 ft (KB)	Start Date: 2021.05.19	Last Calib.: 2021.05.19
End Date: 2021.05.19	Start Time: 05:57:01	Time On Btm: 13:21:51
End Time: 13:21:51		Time Off Btm:

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



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
153.00	GHOCM 51% <i>m</i> , 37% <i>o</i> , 12% <i>g</i>	0.75
30.00	VSMCO 95% <i>o</i> , 3% <i>m</i> , 2% <i>g</i>	0.15
25.00	CGO 90% <i>o</i> , 10% <i>g</i>	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

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 in³

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
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

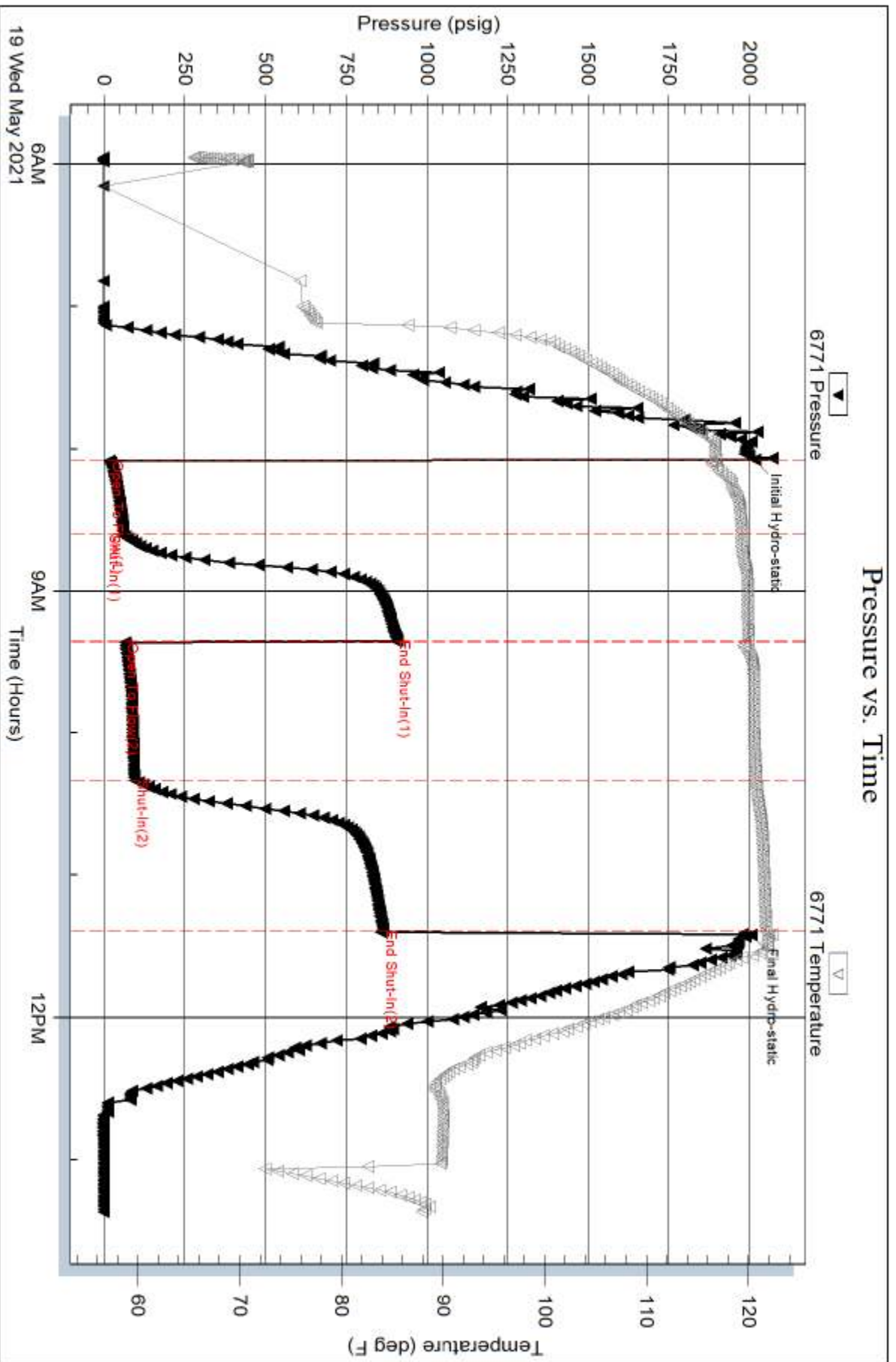
Serial #:

Laboratory Name:

Laboratory Location:

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

Pressure vs. Time

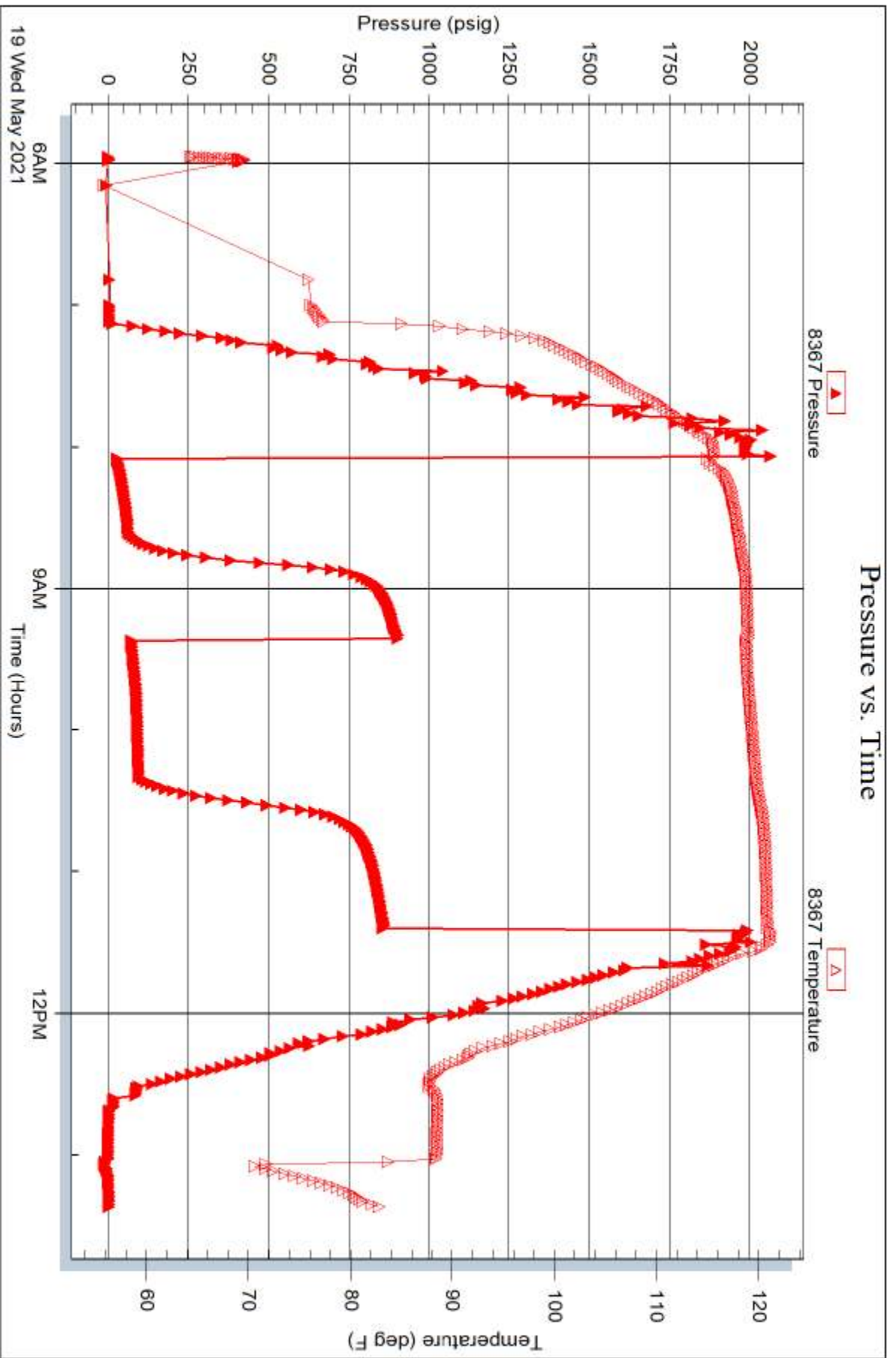


Serial #: 8367

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

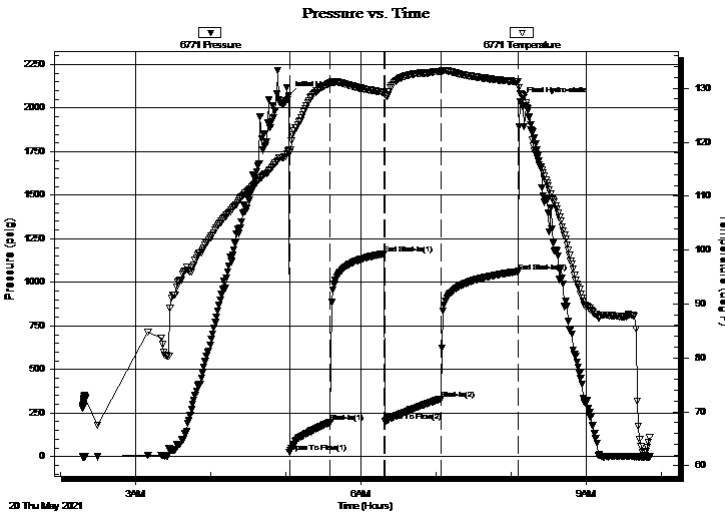
Serial #: 6771

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

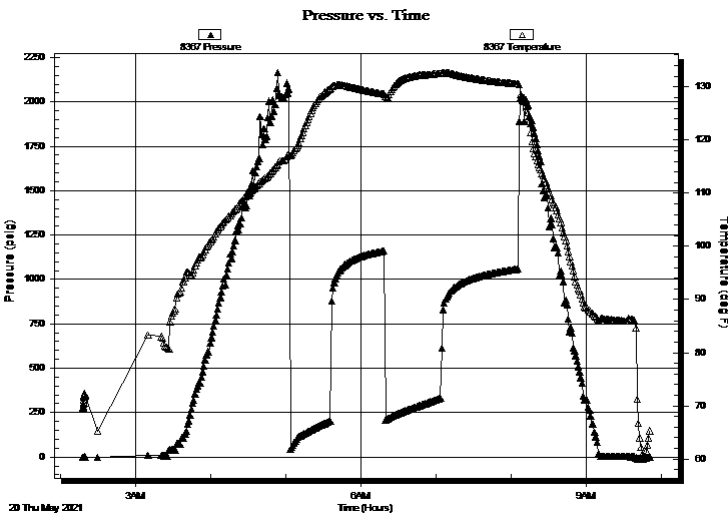
Serial #: 8367

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 in³

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

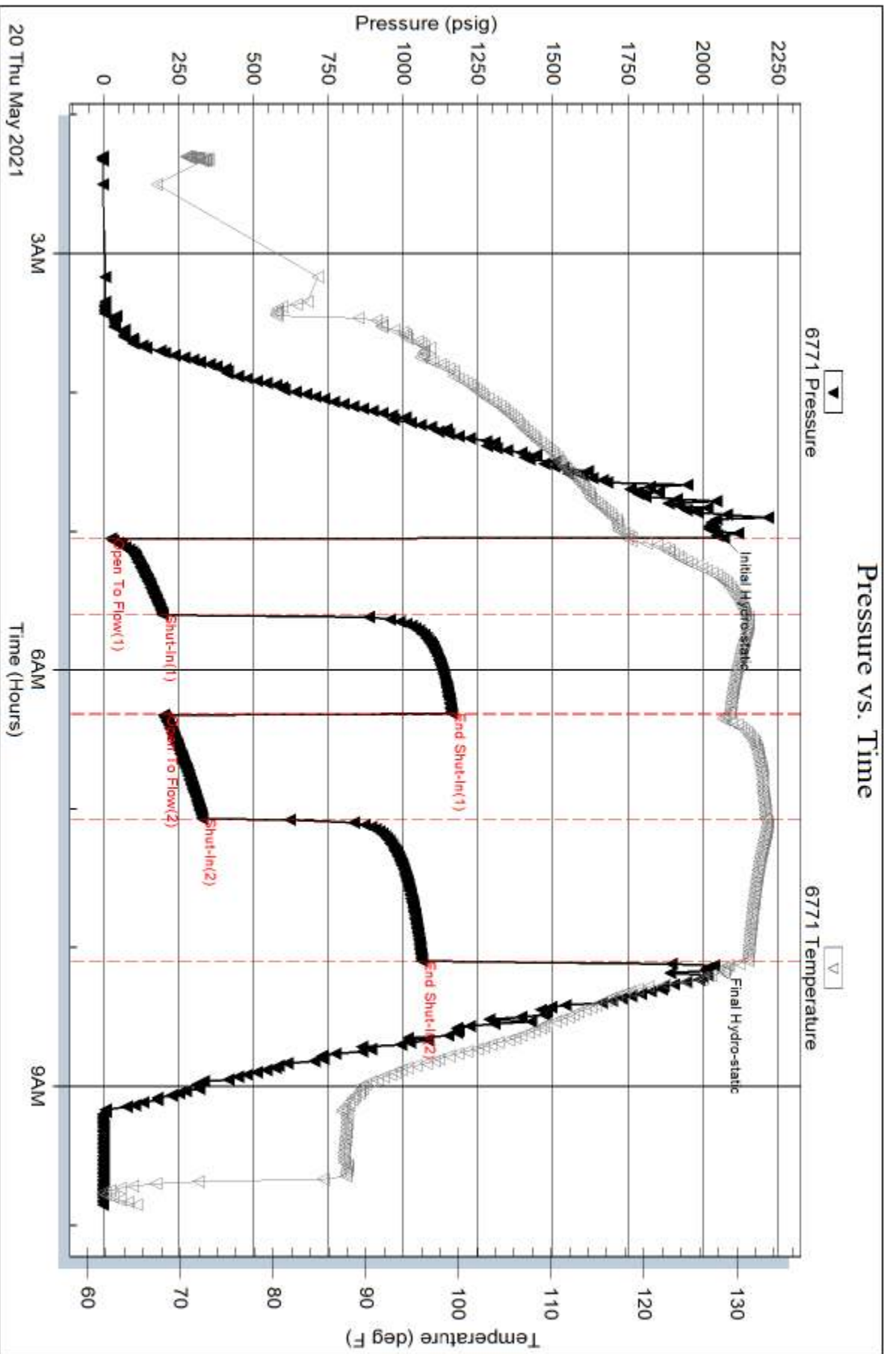
Num Gas Bombs: 0

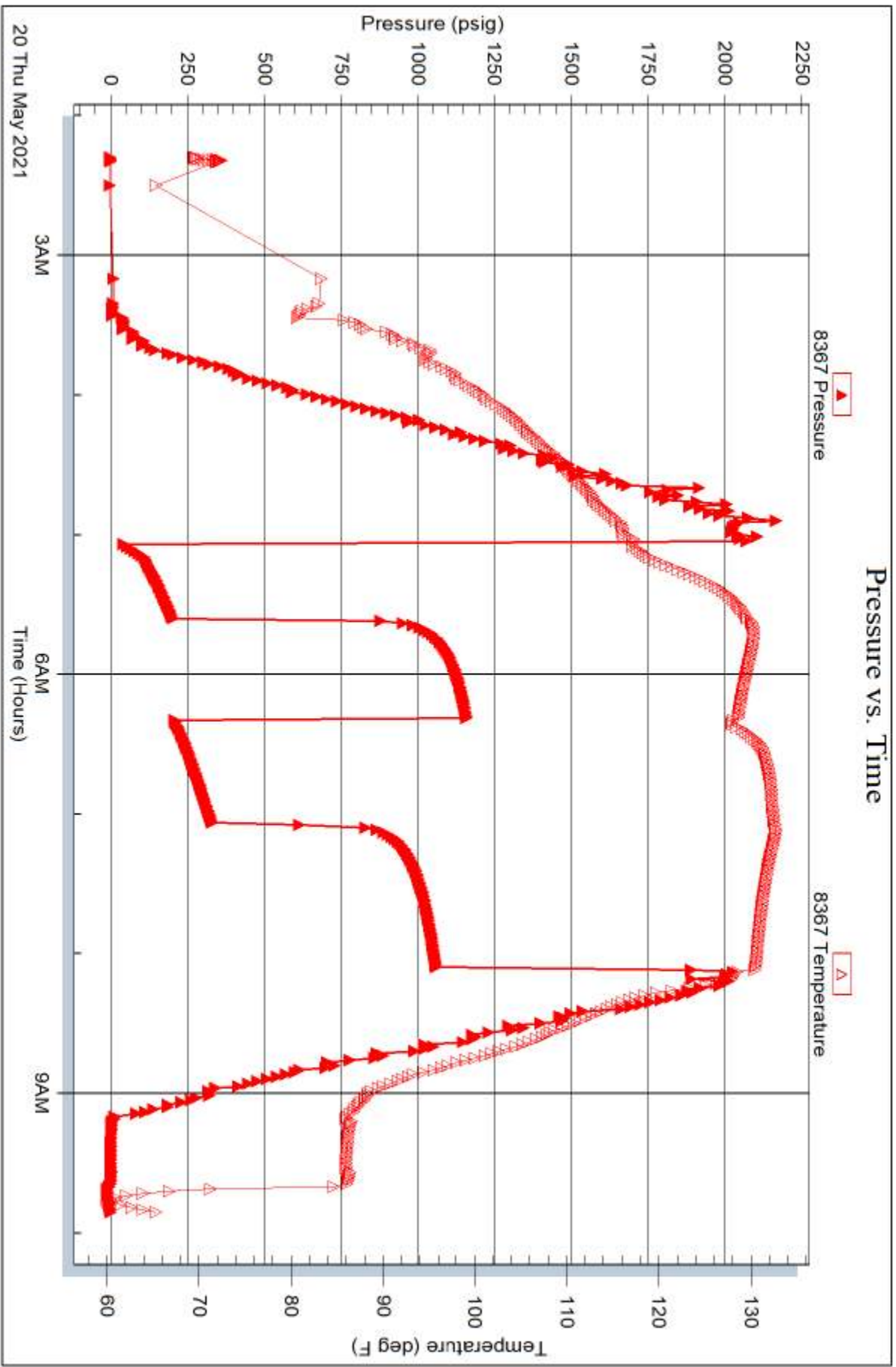
Serial #:

Laboratory Name:

Laboratory Location:

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







**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)**

Total Depth: 4264.00 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 #: 6771

Inside

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

Start Date: 2021.05.20

End Date:

2021.05.21

Start Time: 22:44:01

End Time:

05:43:36

Capacity: 8000.00 psig

Last Calib.: 2021.05.21

Time On Btm: 2021.05.21 @ 01:10:21

Time Off Btm: 2021.05.21 @ 03:30:21

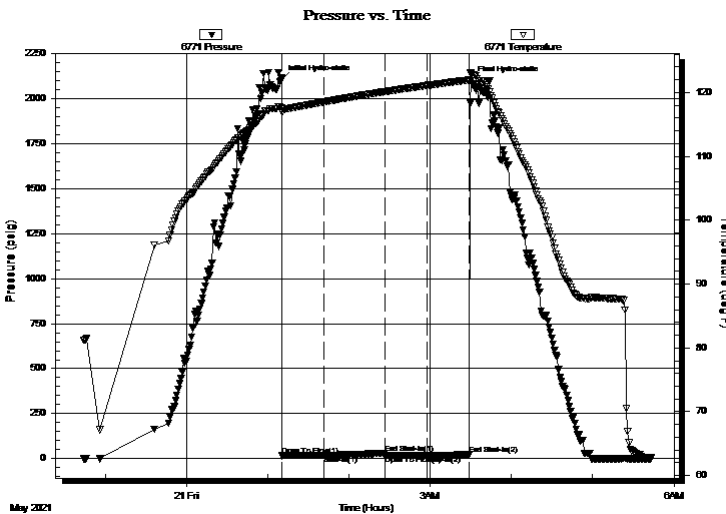
TEST COMMENT: 30 - IF: 1/8" Blow at open, built to 1/4"

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

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 in³

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:

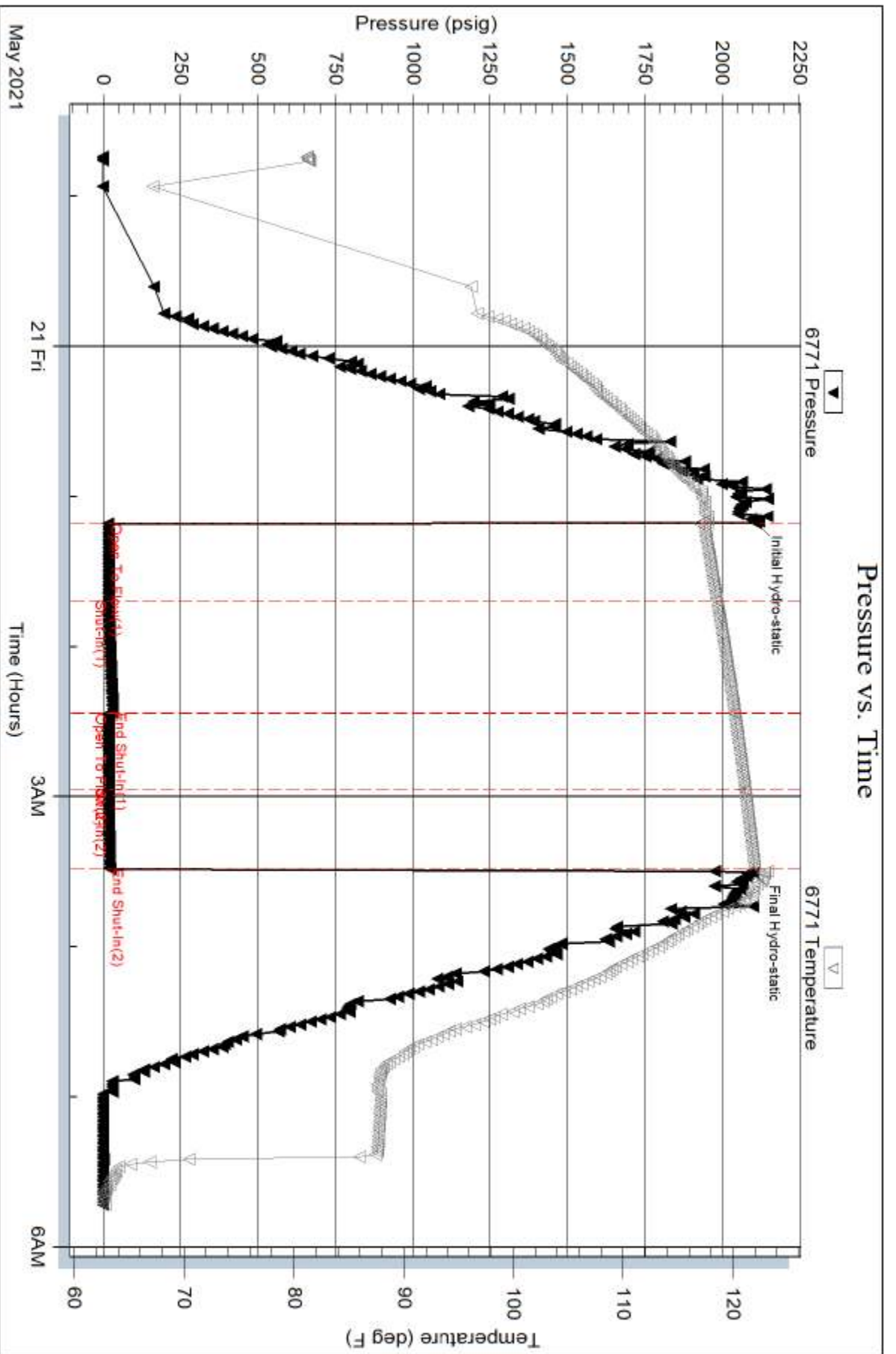
Serial #: 6771

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

