

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY CHIZUM OIL, LLC
LEASE LHR 1-26 POOL, ED
FIELD Whitetail
LOCATION 1670' FTL, 120' FWE
SFC 26 TMSWP 12S R0E 37W
COUNTY Sherman STATE Kansas
CONTRACTOR W.W. Drilling, Rig #10
SPUD 7-18-19 **COMP** 7-28-19
RTD 5008' **LTD** 5010'
MUD UP 3600' **TYPE MUD** Chemical
SAMPLES SAVED FROM 3950' **to RTD**
DRILLING TIME KEPT FROM 3950' **to RTD**
SAMPLES EXAMINED FROM 3950' **to RTD**
GEOLOGICAL SUPERVISION FROM 41000' **to RTD**
GEOLOGIST ON WELL Tim Priest

ELEVATIONS
DF 3434'
GL 3429'

Measurements Are All From KB

CASING
CONDUCTION N/A
SURFACE 8.5/8" @ 96'
PRODUCTION 3-17-@9931'

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

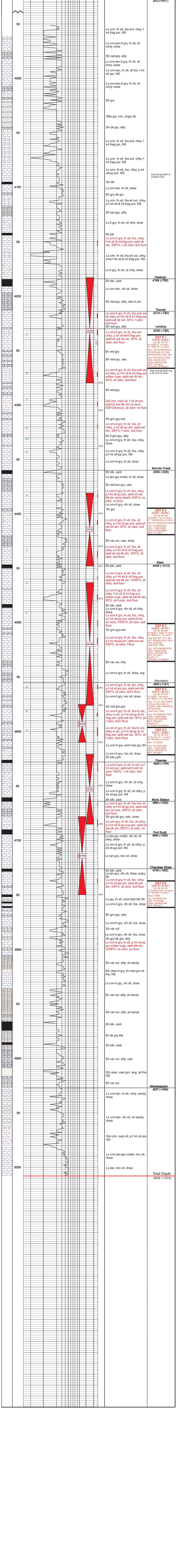
FORMATION TOPS **ELECTRIC LOG** **SAMPLE**

Anyhydrite	2994 (-440)	2995 (-439)
Hebber Shale	4182 (-788)	4184 (-750)
Marmaton	4448 (-1014)	4446 (-1012)
Stark	4557 (-1123)	4555 (-1121)
Fort Scott	4697 (-1263)	4694 (-1260)
Cherokee Shale	4730 (-1296)	4726 (-1296)
Mississippian	4928 (-1494)	4927 (-1494)

REMARKS Due to the results of DST #1 it was decided to set production casing to further test the well.

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-181-20625



DEPTH 5000
DEPTH 4900
DEPTH 4800
DEPTH 4700
DEPTH 4600
DEPTH 4500
DEPTH 4400
DEPTH 4300
DEPTH 4200
DEPTH 4100
DEPTH 4000
DEPTH 3900
DEPTH 3800
DEPTH 3700
DEPTH 3600
DEPTH 3500
DEPTH 3400
DEPTH 3300
DEPTH 3200
DEPTH 3100
DEPTH 3000

LITHOLOGY
 Anhydrite
 Sandstone
 Limestone
 Shale
 Carb Sh
 Cherty LS
 Chert
 Dolomite

SAMPLE DESCRIPTION
 Anhydrite 2995(+439)
 Base/ Anhydrite 3027(+407)
 Ls crm, fn xtl, fos-ool, chky, f int frag por, NS
 Ls crm-tan-lt gry, fn xtl, sli chrt, dnse
 Sh red-gr, silty
 Ls crm-tan-lt gry, fn xtl, sli chrt, dnse
 Ls crm-tan, fn xtl, sli fos, f int xtl por, NS
 Ls crm-tan-lt gry, fn xtl, sli chrt, dnse
 Sh gry
 Silts gry, mic, w/gyr sh
 Sh dk gry, silty
 Ls crm, fn xtl, fos-ool, chky, f int frag por, NS
 Ls crm, fn xtl, fos, chky, p int xtl-pp por, NS
 Sh blk
 Ls crm-tan, fn xtl, dnse
 Sh gry-dk gry
 Ls crm, fn xtl, fos-sil ool, chky, p-f int xtl & int frag por, NS
 Sh tan-gry, silty
 Ls lt gry, fn xtl, sli chrt, dnse
 Sh blk, carb
 Ls crm-tan, vfn xtl, dnse
 Sh red-gry, silty, calc in prt
 Ls crm-lt gry, fn xtl, fos-sub ool, sli chky, p-f int xtl & int frag por, spdt-sat dk stn, SFO, f odor, dull fluor
 Sh red-gry, silty
 Ls crm-lt gry, fn xtl, fos-ool, spdt-sat dk stn, SFO, sil odor, dull fluor
 Sh red-gry
 Sh red-gry, calc
 Ls crm-lt gry, fn xtl, fos-sub ool, sli chky, p-f int xtl & int frag por, w/ few vugs, spdt-sat dk stn, SFO, sil odor, dull fluor
 Dol crm, med xtl, f int xtl por, spdt-sat blk stn on sme, SSFO(heavy), sil odor, no fluor
 Sh gm-gry-red
 Ls crm-lt gry, fn xtl, fos, sli chky, p int xtl-pp por, spdt-sat stn, SSFO, f odor, dull fluor
 Sh lt gm-gry, silty
 Ls crm-lt gry, fn xtl, fos, chky, dnse
 Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS
 Ls crm-lt gry, fn xtl, dnse
 Sh blk, carb
 Ls tan-gry motld, fn xtl, dnse
 Sh red-brm-gry, calc
 Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, spdt-sat blk stn (sme dead), SSFO, no odor, no fluor
 Ls crm-lt gry, vfn xtl, dnse
 Sh gry
 Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl & int frag por, spdt-sat stn, SSFO, sil odor, dull fluor
 Sh var col, calc, dnse
 Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl & int frag por, spdt-sat dk stn, SSFO, sil odor, dull fluor
 Sh blk, carb
 Ls crm-lt gry, vfn xtl, dnse
 Ls crm-lt gry, fn xtl, dnse, arg
 Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, spdt-sat stn, SSFO, sil odor, dull fluor
 Ls crm-lt gry, mic xtl, dnse
 Sh red-gm-gry
 Ls crm-lt gry, fn xtl, fos-fn ool, chky in prt, p-f int xtl-pp & int frag por, spdt-sat stn, SFO, sil-f odor, dull-f fluor
 Ls crm-lt gry, fn xtl, fos-fn ool, chky in prt, p-f int xtl-pp & int frag por, spdt-sat stn, SFO, sil-f odor, dull-f fluor
 Ls crm-lt gry, mic xtl, dnse
 Ls crm-lt gry, wint bed gry Sh
 Sh blk, carb
 Ls crm-lt gry, mic xtl, dnse
 Sh blk, carb
 Ls crm-lt gry, fn xtl, fn ool, p-f int ool por, spdt-sat lt stn on sme, SSFO, v sil odor, dull fluor
 Ls crm-lt gry, vfn xtl, sli chty, dnse
 Ls crm-lt gry, fn xtl, sli chky, p int xtl-pp por, NS
 Sh blk, carb
 Ls crm-lt gry, fn xtl, fos-ool, sli chky, p-f int xtl-pp por, spdt-sat stn on sme, SSFO, sil odor, dull fluor
 Sh gry-dk gry, calc, dnse
 Ls crm-gry, fn xtl, fos, sli chky, p-f int xtl & pp-vug por, spdt-sat dk stn, SSFO, sil odor, no fluor
 Ls tan-gry motld, vfn xtl, sli chty, dnse
 Ls crm-lt gry, fn xtl, sli chky, p int xtl-pp por, NS
 Ls tan-gry, mic xtl, dnse
 Sh blk, carb
 Ls tan-gry, vfn xtl, dnse, w/gyr Sh
 Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, spdt-sat stn on sme, SSFO, sil odor, dull fluor
 Ls gry, fn xtl, wint bed blk Sh
 Ls crm-lt gry, vfn xtl, fos, dnse
 Sh grn-gry, silty
 Ls crm-lt gry, vfn xtl, fos, dnse
 Sh var col
 Ls crm-lt gry, vfn xtl, fos, dnse
 Sh gry-dk gry, silty
 Ls crm-lt gry, fn xtl, p, int xtl-pp por w/ few vugs, spdt blk stn, VSSFO, no odor, no fluor
 Sh var col, silty, sli sandy
 SS clear-lt gry, fn-med grn sil fria, NS
 Ls crm-lt gry, vfn xtl, dnse
 Sh var col, silty, sli sandy
 Sh var col, silty, sli sandy
 Sh blk, carb
 Sh dk gry-blk
 Sh blk, carb
 Sh var col, silty, calc
 SS clear, med grn, ang, sli fria, NS
 Sh var col
 Ls crm-tan, fn xtl, chky, sandy, dnse
 Ls crm-tan, vfn xtl, sli sandy, dnse
 Dol crm, med xtl, p-f int xtl por, NS
 Ls crm-tan-gry motld, mic xtl, dnse
 Ls tan, mic xtl, dnse

Total Depth 5008' (-1574)



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 53672
LOCATION Oakley, KS
FOREMAN Jimmie Cottrell
Walt Pinkel

10080S
41000

INV901197

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-18-19	C-88	LHR 1-26P	26	07	36	Sherman
CUSTOMER Chizum oil LLC			Brewster			
MAILING ADDRESS PO BOX 75615			1W			
CITY WICHITA			3W			
STATE KS			8N			
ZIP CODE 67275			TRUCK #	DRIVER	TRUCK #	DRIVER
			760	Kaleb C.		
			566	Alex H.		
			697	Jimmie C.		
			1098	Walt D.		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 366' CASING SIZE & WEIGHT P 98 23#
 CASING DEPTH 366 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL. _____ WATER gal/sk _____ CEMENT LEFT in CASING 15'-20'
 DISPLACEMENT 22 DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: Safety Meeting Rig up on WW10 cine casing on bottom
Mix 275 sks cement 3% CC, 2% Gel Displace 22 bbl water shut in
CEMENT DID NOT CIRCULATE 3bbls to Pit

Thank You
Jimmie & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
✓ CE0471	1	PUMP CHARGE	1150.00	1150.00
✓ CE0002	30	MILEAGE	7.48	224.40
✓ CE0710	12.93 (387.94)	Tan Mileage Delivery	1.75	648.98
SI618 (CE5971)	275 sks	Surface Blend II	24.00	6600.00
				8643.40
			-258.05 dis	8385.35
				6482.35
			SALES TAX	433.13
			ESTIMATED TOTAL	1415.18

Rev 3/77

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

INV 901194

100881
41049

TICKET NUMBER 56077 ✓

LOCATION Oakley, Ks

FOREMAN Cory Davis

DATE ✓	CUSTOMER # ✓	WELL NAME & NUMBER ✓	SECTION	TOWNSHIP	RANGE	COUNTY
7-28-19	C-88	LHR 1-26P	26	07	06	Sherman
CUSTOMER Chizum oil LLC ✓			Brewster			
MAILING ADDRESS PO BOX 75615			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wichita			753	Alex H.	703	Cory D.
STATE KS			566	Metodi U.	697	Kaleb C.
ZIP CODE 67275						

JOB TYPE Pipe job HOLE SIZE 7 1/2 HOLE DEPTH 5008 CASING SIZE & WEIGHT 5 1/2 15.5
 CASING DEPTH 4938 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, rig up on well, run fast equipment centralizer on joints 5, 7, 9, 12, 15
Bucket on joint 3 shoe is on bottom + latch down at 4918 finish running casing, fire casing with
mud hook up to pump truck mix 175 sks Thixo blend III #5 Kalsol stop release, plug
Displace 157866 water lift 1000psi land 1500psi.

Thank You
from Cory + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
✓ CE 0453	1	PUMP CHARGE	2,800.00	2,800.00
✓ CE 0002	30	MILEAGE	7.15	214.50
✓ CE 0711	9.71	Ten mileage Delivery min	1.75	660.00
✓ CC 5862	175	Thixo Blend III	26.00	4550.00
✓ CC 6077	875#	Kalsol	.50	437.50
✓ CP 8485	1	AFU Fleet Shoe 5 1/2	585.00	585.00
✓ CP 8254	1	Latchdown Plug asse. 5 1/2	400.00	400.00
✓ CP 8554	5	Centralizers 5 1/2	81.00	405.00
✓ CP 8629	1	Bucket 5 1/2	385.00	385.00
✓ CC 6125	500 gal	Mud flush	.65	325.00
			Subtotal	10,762.00
			25% Disc	2,690.50
			Subtotal	8,071.50 ✓
			SALES TAX	469.12
			ESTIMATED TOTAL	8540.62

Revin 3737

AUTHORIZATION Rick Smith ✓ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.22 @ 21:54:00

End Date: 2019.07.23 @ 05:20:52

Job Ticket #: 64665 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.29 @ 17:18:02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64665 **DST#: 1**

Test Start: 2019.07.22 @ 21:54:00

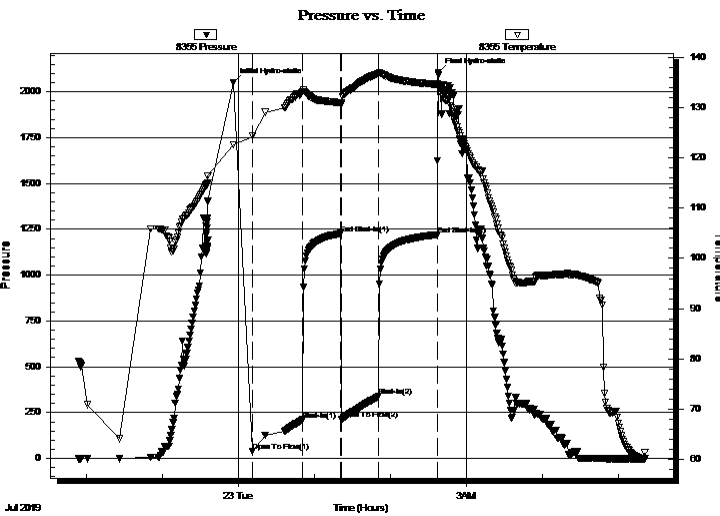
GENERAL INFORMATION:

Formation: **Toronto - LKC B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:11:02
 Time Test Ended: 05:20:52
 Interval: **4183.00 ft (KB) To 4280.00 ft (KB) (TVD)**
 Total Depth: 4280.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shawn Wheelbarger
 Unit No: 76
 Reference Elevations: 3434.00 ft (KB)
 3429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 338.24 psig @ 4184.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.22 End Date: 2019.07.23 Last Calib.: 2019.07.23
 Start Time: 21:54:01 End Time: 05:20:52 Time On Btm: 2019.07.22 @ 23:56:02
 Time Off Btm: 2019.07.23 @ 02:37:52

TEST COMMENT: 30-IF-3/4" Blow @ open BOB @ 10 mins Built to 30 1/4"
 30-ISI-No blow back
 30-FF-BOB @ 14 mins Built to 25 1/4"
 45-FSI-No blow



PRESSURE SUMMARY

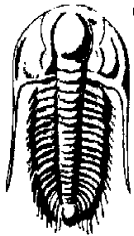
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2051.66	122.69	Initial Hydro-static
15	39.17	124.32	Open To Flow (1)
55	211.48	133.25	Shut-In(1)
85	1227.10	131.01	End Shut-In(1)
86	212.30	130.75	Open To Flow (2)
115	338.24	136.83	Shut-In(2)
161	1220.99	134.63	End Shut-In(2)
162	2105.63	134.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	VSOCMW 3%O, 51%W, 46%M	1.54
510.00	MW 95%W 5%M	7.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64665 **DST#: 1**
Test Start: 2019.07.22 @ 21:54:00

GENERAL INFORMATION:

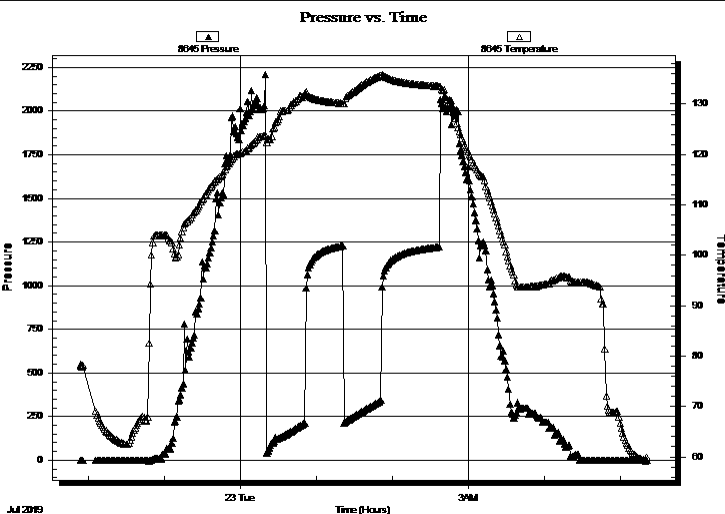
Formation: **Toronto - LKC B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:11:02
 Time Test Ended: 05:20:52
 Interval: **4183.00 ft (KB) To 4280.00 ft (KB) (TVD)**
 Total Depth: 4280.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shawn Wheelbarger
 Unit No: 76
 Reference Elevations: 3434.00 ft (KB)
 3429.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8645

Inside

Press@RunDepth: psig @ 4184.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.22 End Date: 2019.07.23 Last Calib.: 2019.07.23
 Start Time: 21:54:01 End Time: 05:21:01 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-3/4" Blow @ open BOB @ 10 mins Built to 30 1/4"
 30-ISI-No blow back
 30-FF-BOB @ 14 mins Built to 25 1/4"
 45-FSI-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
190.00	VSOCMW 3%O, 51%W, 46%M	1.54
510.00	MW 95%W 5%M	7.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64665 **DST#: 1**
Test Start: 2019.07.22 @ 21:54:00

Tool Information

Drill Pipe:	Length: 4062.00 ft	Diameter: 3.80 inches	Volume: 56.98 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 57.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4183.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4163.00	
Shut In Tool	5.00			4168.00	
Hydraulic tool	5.00		Inside	4173.00	
Packer	5.00			4178.00	21.00 Bottom Of Top Packer
Packer	5.00			4183.00	
Packer - Shale	0.00			4183.00	
Stubb	1.00			4184.00	
Recorder	0.00	8355	Outside	4184.00	
Recorder	0.00	8645	Inside	4184.00	
Perforations	28.00			4212.00	
Change Over Sub	1.00			4213.00	
Drill Pipe	63.00			4276.00	
Change Over Sub	1.00			4277.00	
Bullnose	3.00			4280.00	97.00 Bottom Packers & Anchor

Total Tool Length: 118.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil

26-7s-37w Sherman,KS

PO Box 75615
Wichita KS 67275

LHR #1-26P

Job Ticket: 64665

DST#: 1

ATTN: Tim Priest

Test Start: 2019.07.22 @ 21:54:00

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: 76.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	VSOCMW 3%O, 51%W, 46%M	1.536
510.00	MW 95%W 5%M	7.154

Total Length: 700.00 ft

Total Volume: 8.690 bbl

Num Fluid Samples: 0

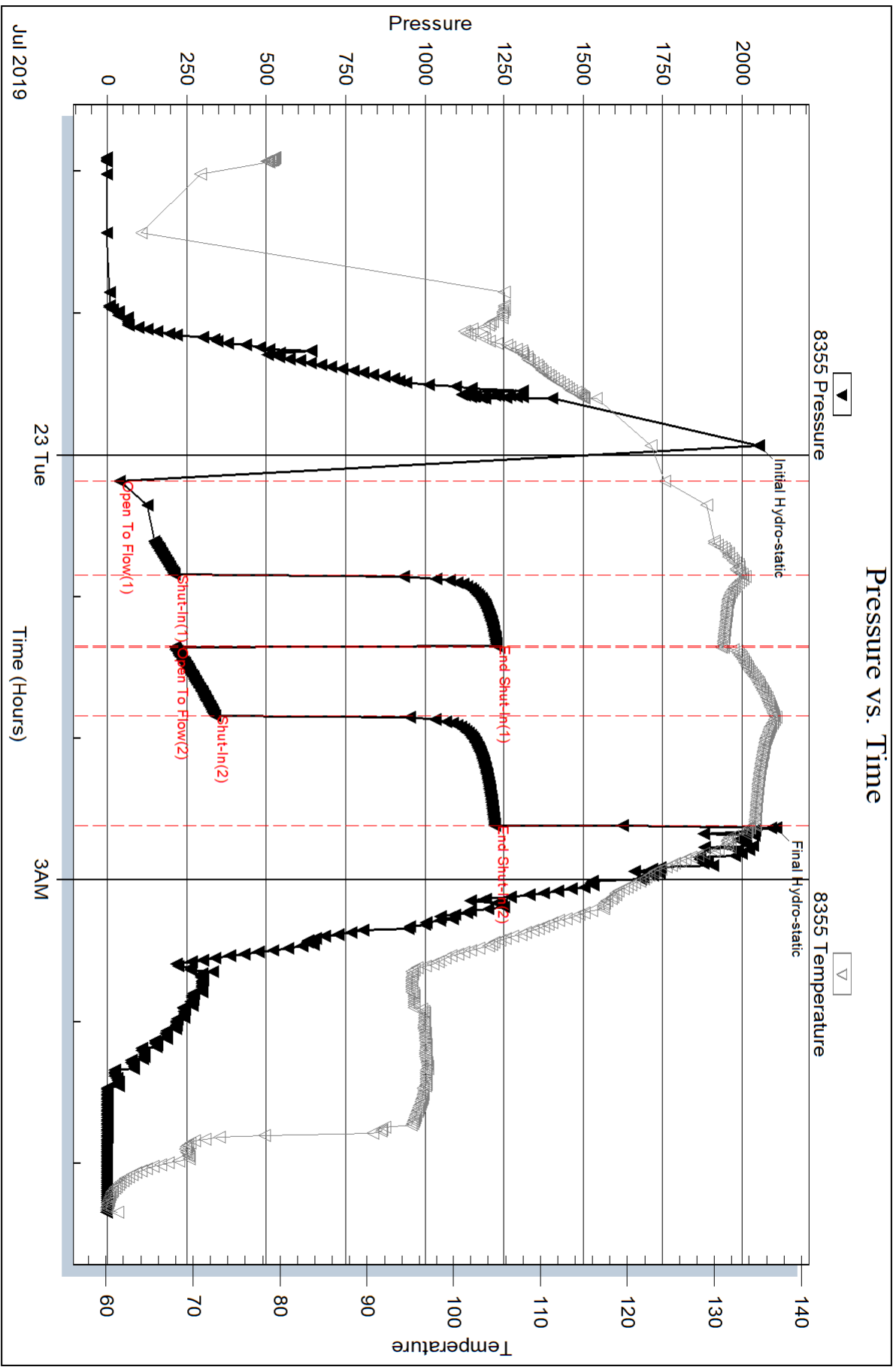
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



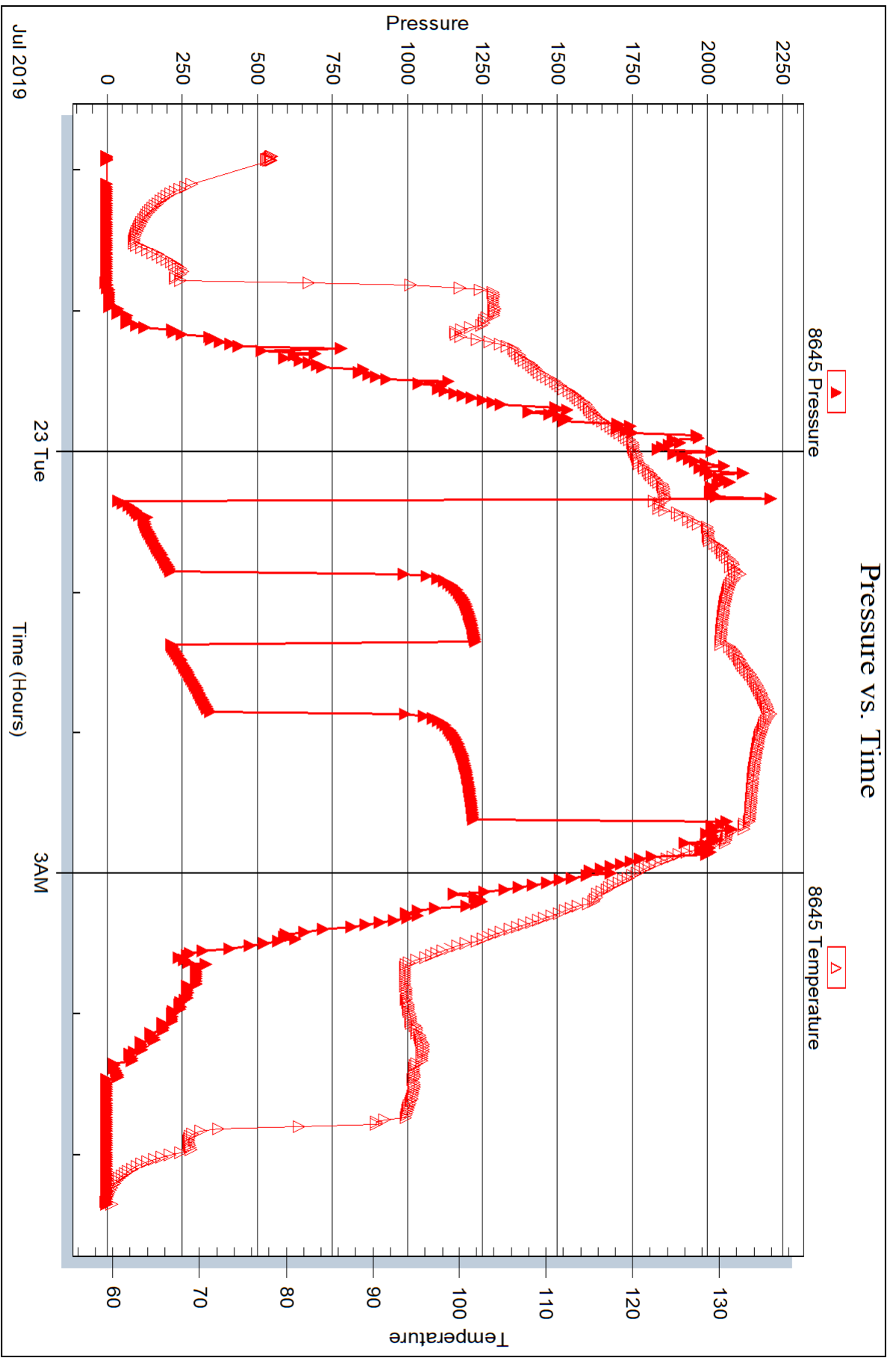
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64665

Printed: 2019.07.29 @ 17:18:04



DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.23 @ 20:37:00

End Date: 2019.07.24 @ 02:58:50

Job Ticket #: 64666 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.29 @ 17:15:19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64666 **DST#: 2**
Test Start: 2019.07.23 @ 20:37:00

GENERAL INFORMATION:

Formation: **KC H- J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:59:30
Time Test Ended: 02:58:50
Interval: **4381.00 ft (KB) To 4448.00 ft (KB) (TVD)**
Total Depth: 4448.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 3434.00 ft (KB)
3429.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Shawn Wheelbarger
Unit No: 76

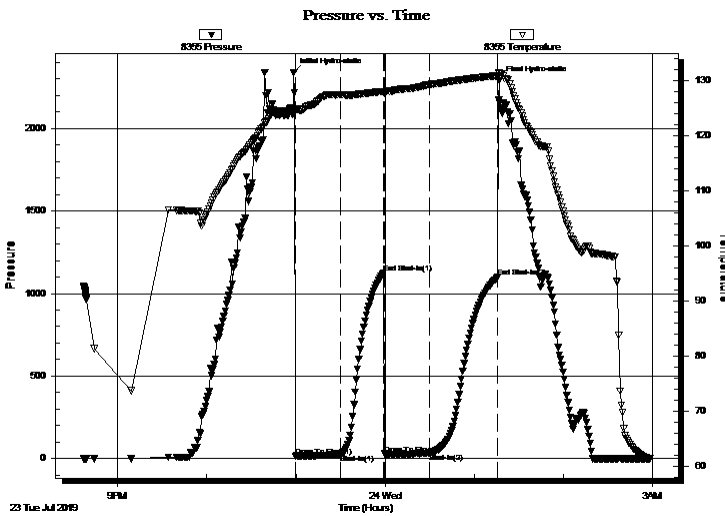
Serial #: 8355

Outside

Press@RunDepth: 31.68 psig @ 4382.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.23 End Date: 2019.07.24 Last Calib.: 2019.07.24
Start Time: 20:37:01 End Time: 02:58:50 Time On Btm: 2019.07.23 @ 22:58:30
Time Off Btm: 2019.07.24 @ 01:16:50

TEST COMMENT: 30-IF-Weak surface blow built to 1"
30-ISI-No blow back
30-FF-surface blow
45-FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2339.54	124.72	Initial Hydro-static
1	14.40	124.43	Open To Flow (1)
32	23.61	127.45	Shut-In(1)
61	1127.85	128.01	End Shut-In(1)
61	28.12	127.56	Open To Flow (2)
92	31.68	129.24	Shut-In(2)
138	1098.50	130.85	End Shut-In(2)
139	2289.03	131.34	Final Hydro-static

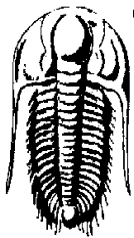
Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM, 24%O, 76%M	0.25

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman, KS

LHR #1-26P

Job Ticket: 64666

DST#: 2

Test Start: 2019.07.23 @ 20:37:00

GENERAL INFORMATION:

Formation: **KC H- J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:59:30

Time Test Ended: 02:58:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4381.00 ft (KB) To 4448.00 ft (KB) (TVD)

Total Depth: 4448.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3434.00 ft (KB)

3429.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8645

Inside

Press@RunDepth: psig @ 4382.00 ft (KB)

Start Date: 2019.07.23

End Date:

2019.07.24

Start Time: 20:37:01

End Time:

02:58:16

Capacity: 8000.00 psig

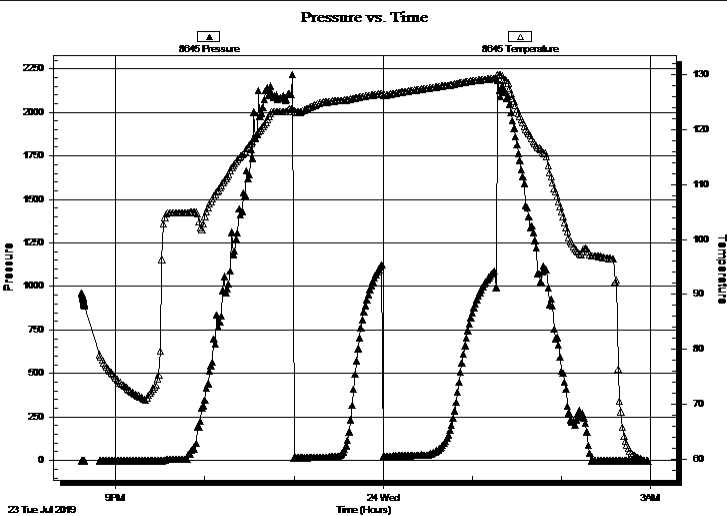
Last Calib.:

2019.07.24

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-Weak surface blow built to 1"
 30-ISI-No blow back
 30-FF-surface blow
 45-FSI-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM, 24%O, 76%M	0.25

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64666 **DST#: 2**
Test Start: 2019.07.23 @ 20:37:00

Tool Information

Drill Pipe:	Length: 4253.00 ft	Diameter: 3.80 inches	Volume: 59.66 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 60.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4381.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	88.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4361.00	
Shut In Tool	5.00			4366.00	
Hydraulic tool	5.00		Inside	4371.00	
Packer	5.00			4376.00	21.00 Bottom Of Top Packer
Packer	5.00			4381.00	
Packer - Shale	0.00			4381.00	
Stubb	1.00			4382.00	
Recorder	0.00	8355	Outside	4382.00	
Recorder	0.00	8645	Inside	4382.00	
Perforations	29.00			4411.00	
Change Over Sub	1.00			4412.00	
Drill Pipe	32.00			4444.00	
Change Over Sub	1.00			4445.00	
Bullnose	3.00			4448.00	67.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**
 PO Box 75615 **LHR #1-26P**
 Wichita KS 67275 Job Ticket: 64666 **DST#: 2**
 ATTN: Tim Priest Test Start: 2019.07.23 @ 20:37:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34.3 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	OCM, 24%O, 76%M	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 34.8 @ 65 DEG F Adjusted to 34.3 @ 60 DEG F

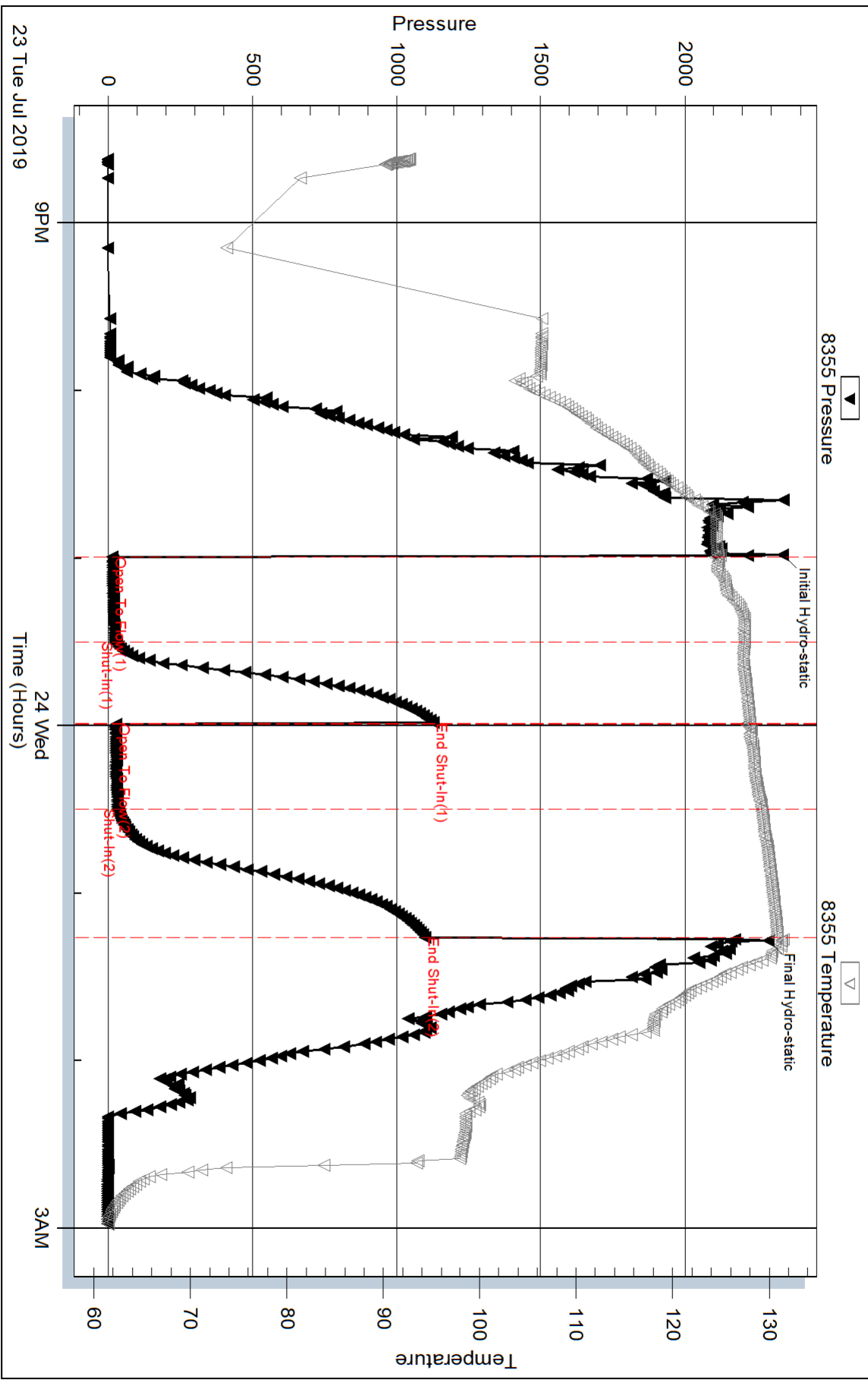
Serial #: 8355

Outside Chizum Oil

LHR#1-26P

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 64666

Printed: 2019.07.29 @ 17:15:20

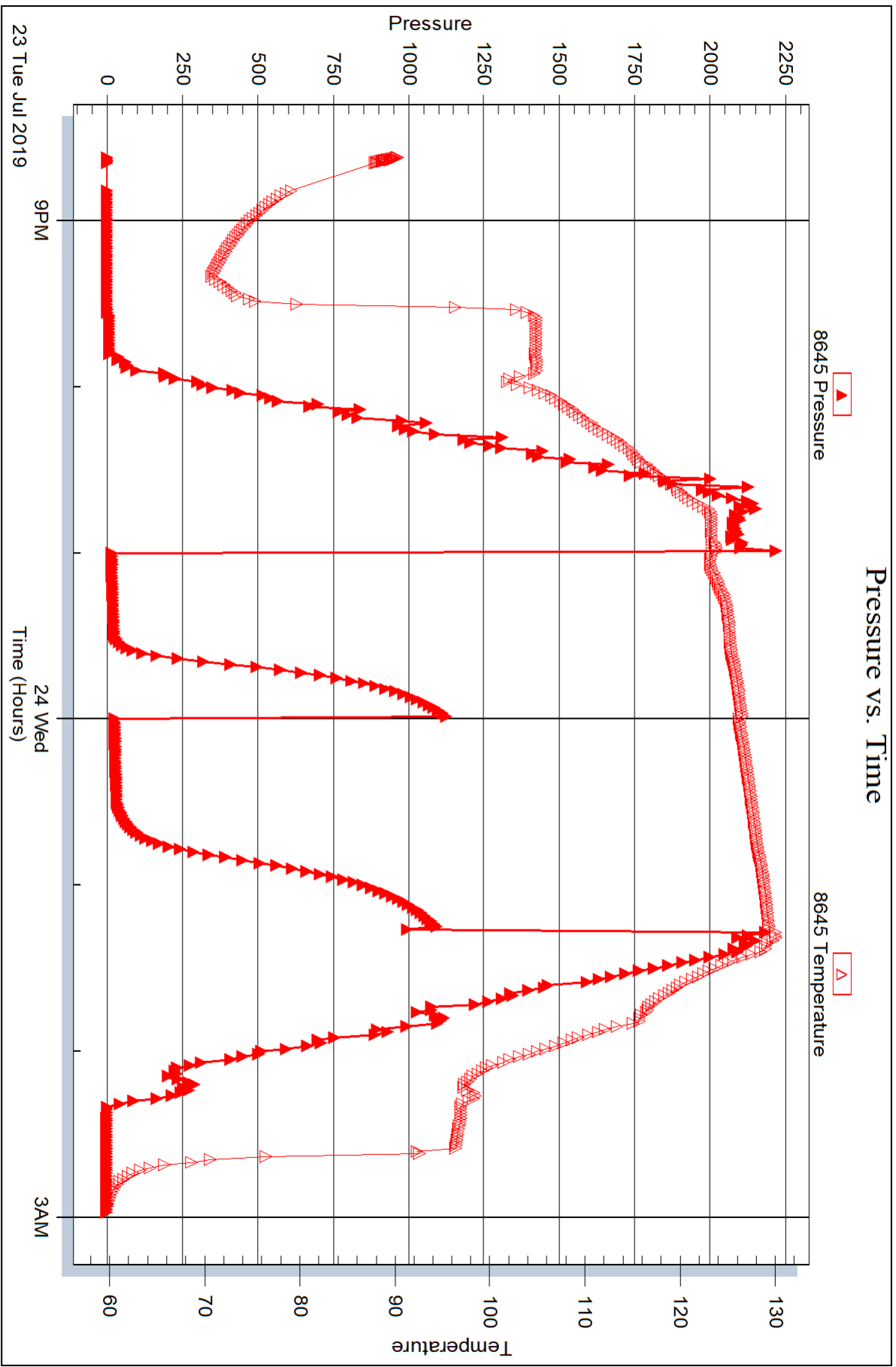
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.24 @ 16:10:00

End Date: 2019.07.25 @ 01:04:49

Job Ticket #: 64667 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.29 @ 17:12:25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64667

DST#: 3

Test Start: 2019.07.24 @ 16:10:00

GENERAL INFORMATION:

Formation: **KC K - Marmaton B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:16:30

Time Test Ended: 01:04:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: **4463.00 ft (KB) To 4576.00 ft (KB) (TVD)**

Total Depth: 4576.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3434.00 ft (KB)

3429.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8355

Outside

Press@RunDepth: 676.31 psig @ 4464.00 ft (KB)

Start Date: 2019.07.24

End Date:

2019.07.25

Start Time: 16:10:01

End Time:

01:04:49

Capacity: 8000.00 psig

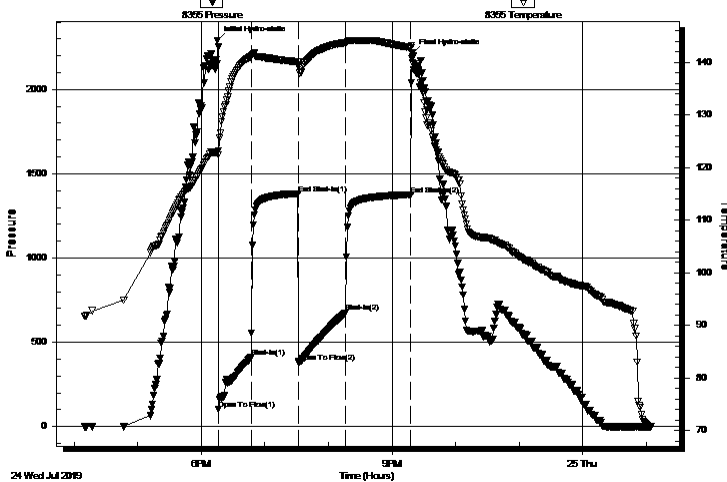
Last Calib.: 2019.07.25

Time On Btm: 2019.07.24 @ 18:15:30

Time Off Btm: 2019.07.24 @ 21:19:00

TEST COMMENT: 30-IF-2" Blow @ open BOB in 3 mins Built to 127 3/4"
45-ISI-BOB in 16 mins built to 11 3/8" declined to 11"
45-FF-BOB in 3 mins built to 117"
60-FSI-Blow built to 1 1/4" @ 15 mins & remained 1 1/4"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2290.94	123.00	Initial Hydro-static
1	102.96	122.41	Open To Flow (1)
32	409.94	141.15	Shut-In(1)
76	1382.70	140.06	End Shut-In(1)
77	384.75	139.59	Open To Flow (2)
121	676.31	143.72	Shut-In(2)
183	1375.78	142.82	End Shut-In(2)
184	2215.68	140.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
347.00	GOCMMW 12%G,10%O, 52%W, 26%M	3.74
1311.00	CGO 2%G, 98%O	18.39
0.00	698' 100% G	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
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64667

DST#: 3

Test Start: 2019.07.24 @ 16:10:00

GENERAL INFORMATION:

Formation: **KC K - Marmaton B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:16:30

Time Test Ended: 01:04:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4463.00 ft (KB) To 4576.00 ft (KB) (TVD)

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4576.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8645 Inside

Press@RunDepth: psig @ 4464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.24 End Date: 2019.07.25

Last Calib.: 2019.07.25

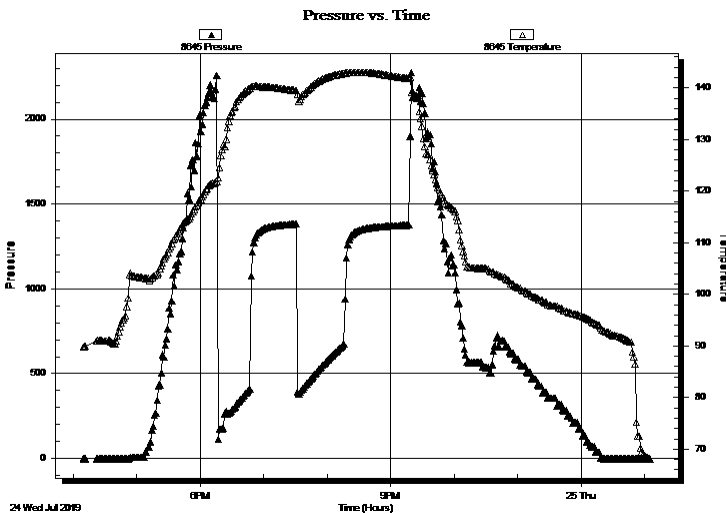
Start Time: 16:10:01 End Time: 01:04:46

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-2" Blow @ open BOB in 3 mins Built to 127 3/4"
45-ISI-BOB in 16 mins built to 11 3/8" declined to 11"
45-FF-BOB in 3 mins built to 117"
60-FSI-Blow built to 1 1/4" @ 15 mins & remained 1 1/4"

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
347.00	GOCMMW 12%G,10%O, 52%W, 26%M	3.74
1311.00	CGO 2%G, 98%O	18.39
0.00	698' 100% G	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64667 **DST#: 3**
Test Start: 2019.07.24 @ 16:10:00

Tool Information

Drill Pipe:	Length: 4348.00 ft	Diameter: 3.80 inches	Volume: 60.99 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 61.60 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4463.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	113.00 ft				
Tool Length:	134.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4443.00	
Shut In Tool	5.00			4448.00	
Hydraulic tool	5.00		Inside	4453.00	
Packer	5.00			4458.00	21.00 Bottom Of Top Packer
Packer	5.00			4463.00	
Packer - Shale	0.00			4463.00	
Stubb	1.00			4464.00	
Recorder	0.00	8355	Outside	4464.00	
Recorder	0.00	8645	Inside	4464.00	
Perforations	12.00			4476.00	
Change Over Sub	1.00			4477.00	
Drill Pipe	95.00			4572.00	
Change Over Sub	1.00			4573.00	
Bullnose	3.00			4576.00	113.00 Bottom Packers & Anchor

Total Tool Length: 134.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**
 PO Box 75615 **LHR #1-26P**
 Wichita KS 67275 Job Ticket: 64667 **DST#: 3**
 ATTN: Tim Priest Test Start: 2019.07.24 @ 16:10:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 30.6 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 23000 ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6000.00 ppm		
Filter Cake: 1.00 inches		

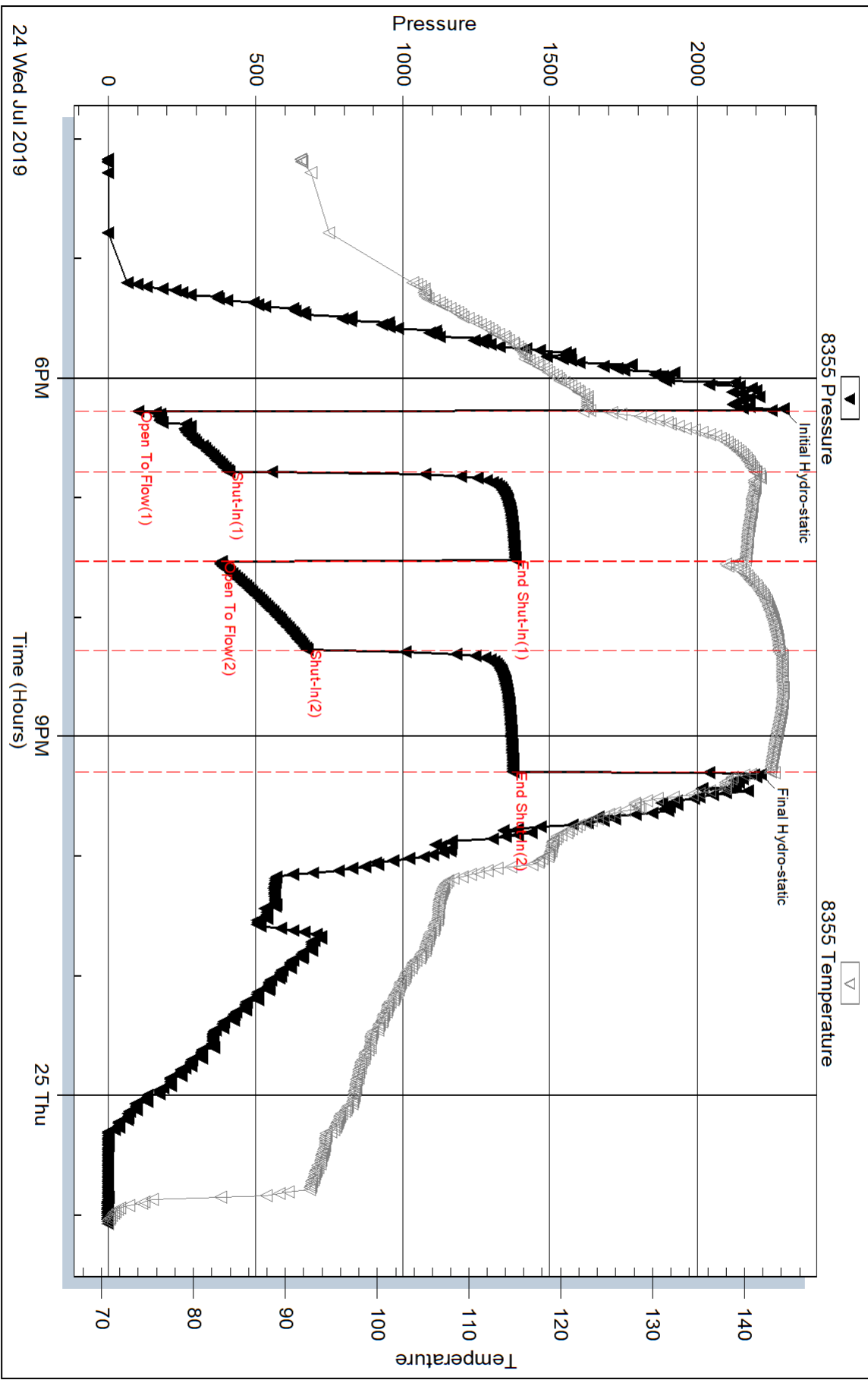
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
347.00	GOCMWM 12%G,10%O, 52%W, 26%M	3.738
1311.00	CGO 2%G, 98%O	18.390
0.00	698' 100% G	0.000

Total Length: 1658.00 ft Total Volume: 22.128 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Oil API 74 DEG F @ 32 API adjusted to 60 DEG F @ 30.6 API
 RW .293 @ 68.9 DEG F 23000 PPM

Pressure vs. Time



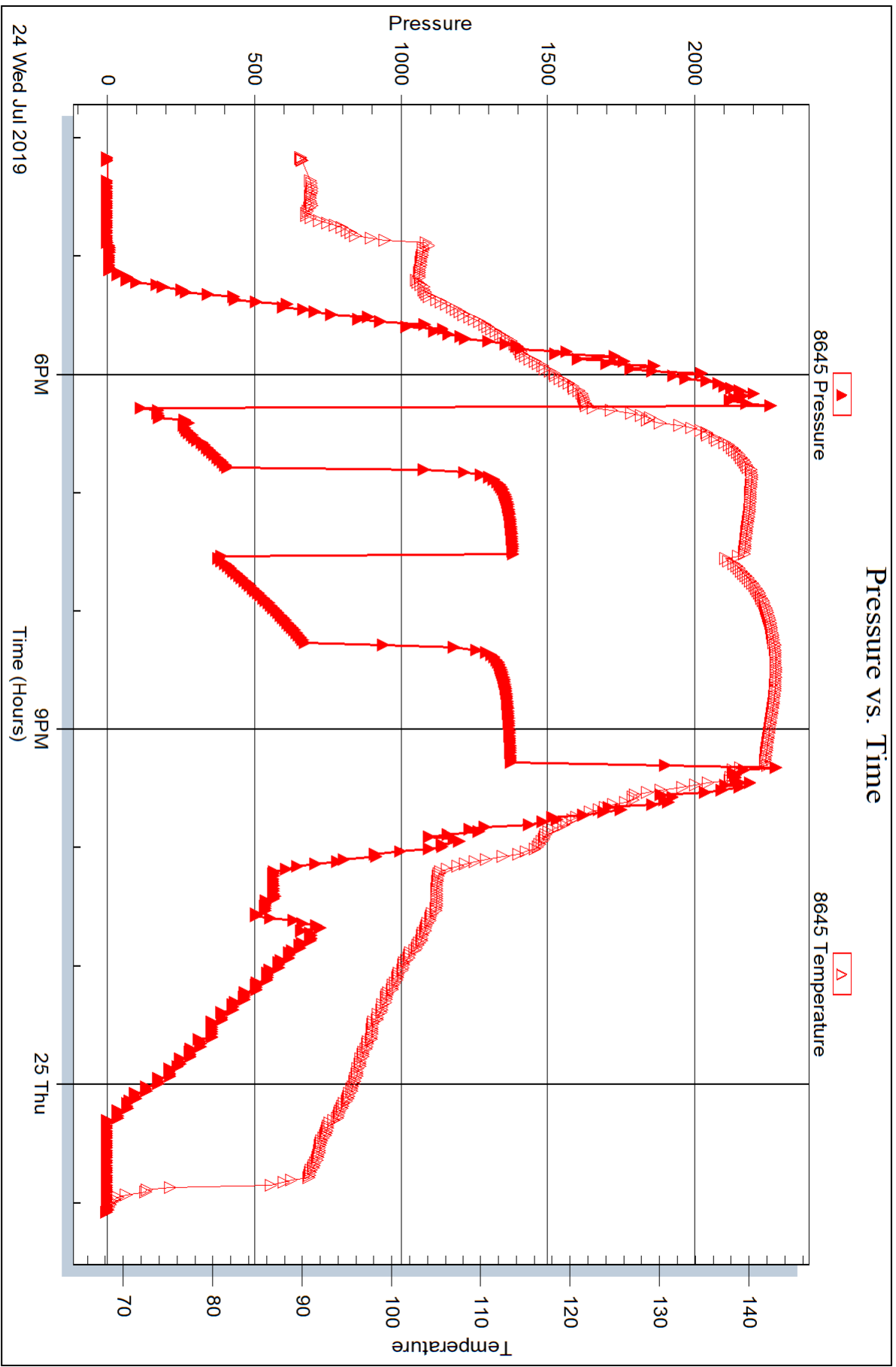
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64667

Printed: 2019.07.29 @ 17:12:26



DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.25 @ 08:00:00

End Date: 2019.07.25 @ 16:17:30

Job Ticket #: 64668 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.29 @ 17:10:22

Chizum Oil
26-7s-37w Sherman,KS
LHR #1-26P
DST # 4
Marmaton C
2019.07.25



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64668

DST#: 4

Test Start: 2019.07.25 @ 08:00:00

GENERAL INFORMATION:

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:19:50

Time Test Ended: 16:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4575.00 ft (KB) To 4610.00 ft (KB) (TVD)

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 703.12 psig @ 4576.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.25 End Date: 2019.07.25

Last Calib.: 2019.07.25

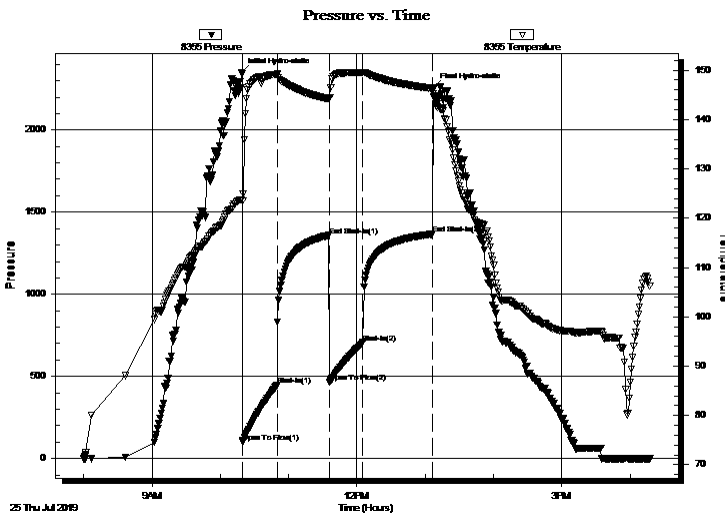
Start Time: 08:00:01 End Time: 16:17:30

Time On Btm: 2019.07.25 @ 10:18:50

Time Off Btm: 2019.07.25 @ 13:07:30

TEST COMMENT: 30-IF-1 1/2" Blow @ open BOB in 3 mins Built to 78 1/4"
 45-ISI-No blow back
 30-FF-BOB in 4 1/2 mins Built to 56"
 60-FSI-Surface blow built to 2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.58	123.77	Initial Hydro-static
1	101.40	123.57	Open To Flow (1)
31	445.57	149.15	Shut-In(1)
77	1357.90	144.17	End Shut-In(1)
78	463.40	144.16	Open To Flow (2)
107	703.12	149.49	Shut-In(2)
168	1366.39	146.28	End Shut-In(2)
169	2255.46	145.26	Final Hydro-static

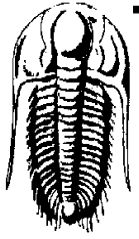
Recovery

Length (ft)	Description	Volume (bbl)
1268.00	SGOMCW 1%G, 8%O, 86%W, 5%M	16.66
190.00	GOCWM 10%G, 10%O, 55%W, 25%M	2.67
10.00	CO 100%O	0.14

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64668 **DST#: 4**
 Test Start: 2019.07.25 @ 08:00:00

GENERAL INFORMATION:

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:19:50

Time Test Ended: 16:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4575.00 ft (KB) To 4610.00 ft (KB) (TVD)

Total Depth: 4610.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3434.00 ft (KB)

3429.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8645 Inside

Press@RunDepth: psig @ 4576.00 ft (KB)

Start Date: 2019.07.25 End Date: 2019.07.25

Start Time: 08:00:01 End Time: 16:17:01

Capacity: 8000.00 psig

Last Calib.: 2019.07.25

Time On Btm:

Time Off Btm:

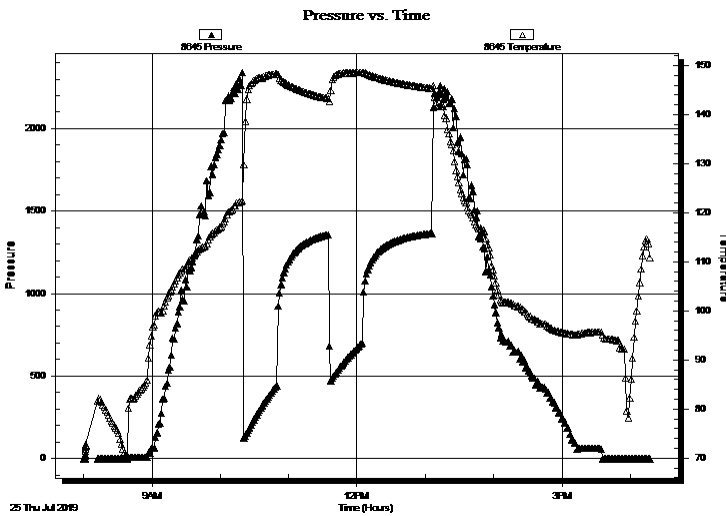
TEST COMMENT: 30-IF-1 1/2" Blow @ open BOB in 3 mins Built to 78 1/4"

45-ISI-No blow back

30-FF-BOB in 4 1/2 mins Built to 56"

60-FSI-Surface blow built to 2"

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
1268.00	SGOMCW 1%G, 8%O, 86%W, 5%M	16.66
190.00	GOCWM 10%G, 10%O, 55%W, 25%M	2.67
10.00	CO 100%O	0.14

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64668 **DST#: 4**
Test Start: 2019.07.25 @ 08:00:00

Tool Information

Drill Pipe:	Length: 4443.00 ft	Diameter: 3.80 inches	Volume: 62.32 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 62.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4575.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4555.00	
Shut In Tool	5.00			4560.00	
Hydraulic tool	5.00		Inside	4565.00	
Packer	5.00			4570.00	21.00 Bottom Of Top Packer
Packer	5.00			4575.00	
Packer - Shale	0.00			4575.00	
Stubb	1.00			4576.00	
Recorder	0.00	8355	Outside	4576.00	
Recorder	0.00	8645	Inside	4576.00	
Perforations	31.00			4607.00	
Perforations	3.00			4610.00	35.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil **26-7s-37w Sherman,KS**
 PO Box 75615 **LHR #1-26P**
 Wichita KS 67275 Job Ticket: 64668 **DST#: 4**
 ATTN: Tim Priest Test Start: 2019.07.25 @ 08:00:00

Mud and Cushion Information

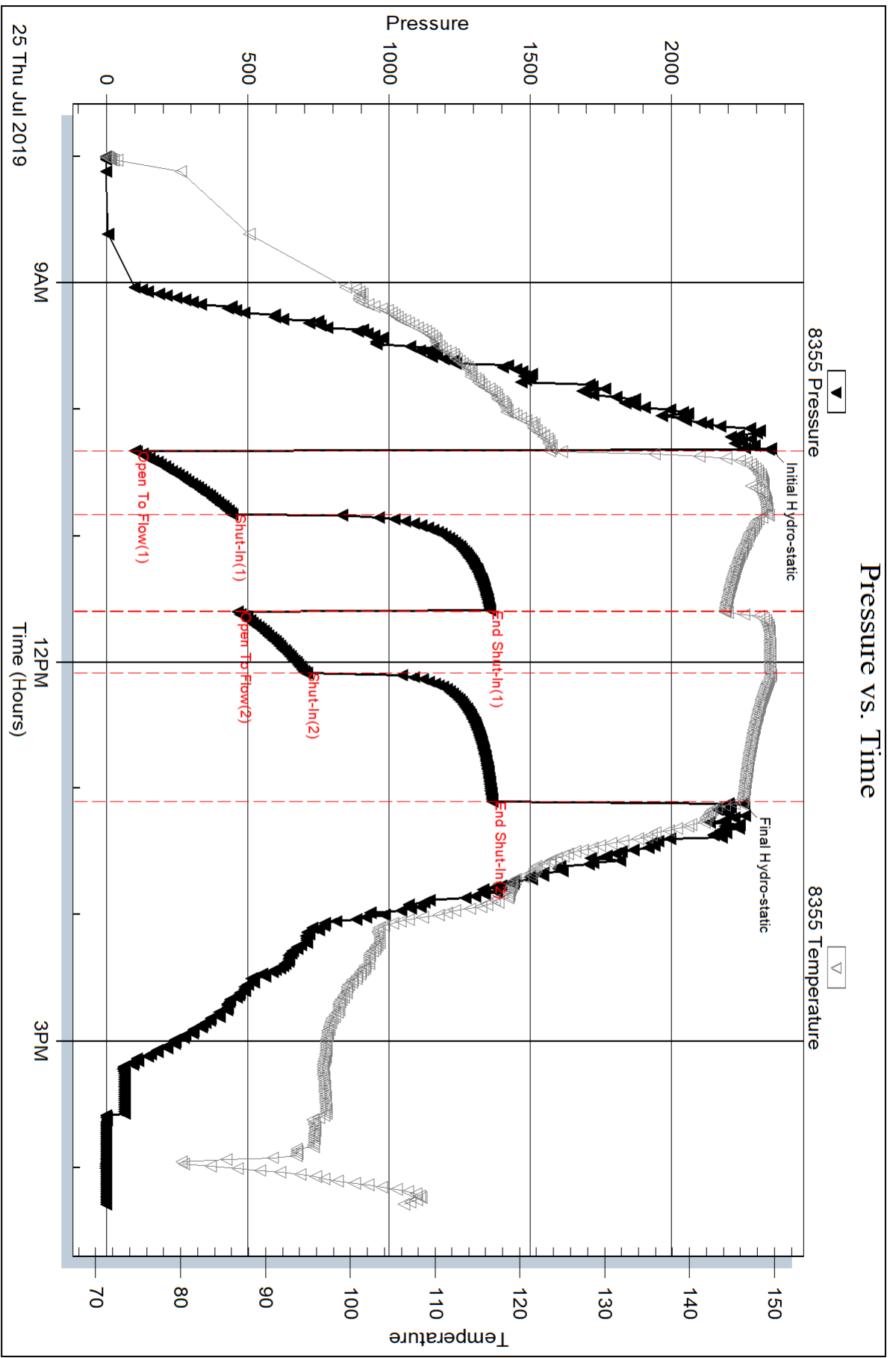
Mud Type: Gel Chem	Cushion Type:	Oil API: 26.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 6000 ppm
Viscosity: 66.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.38 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 7500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1268.00	SGOMCW 1%G, 8%O, 86%W, 5%M	16.657
190.00	GOCWM 10%G, 10%O, 55%W, 25%M	2.665
10.00	CO 100%O	0.140

Total Length: 1468.00 ft Total Volume: 19.462 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Oil API 98 DEG F @30.2 Adjusted to 60 DEG F @26.4
 RW .078 @91.7 DEG F 6000 PPM



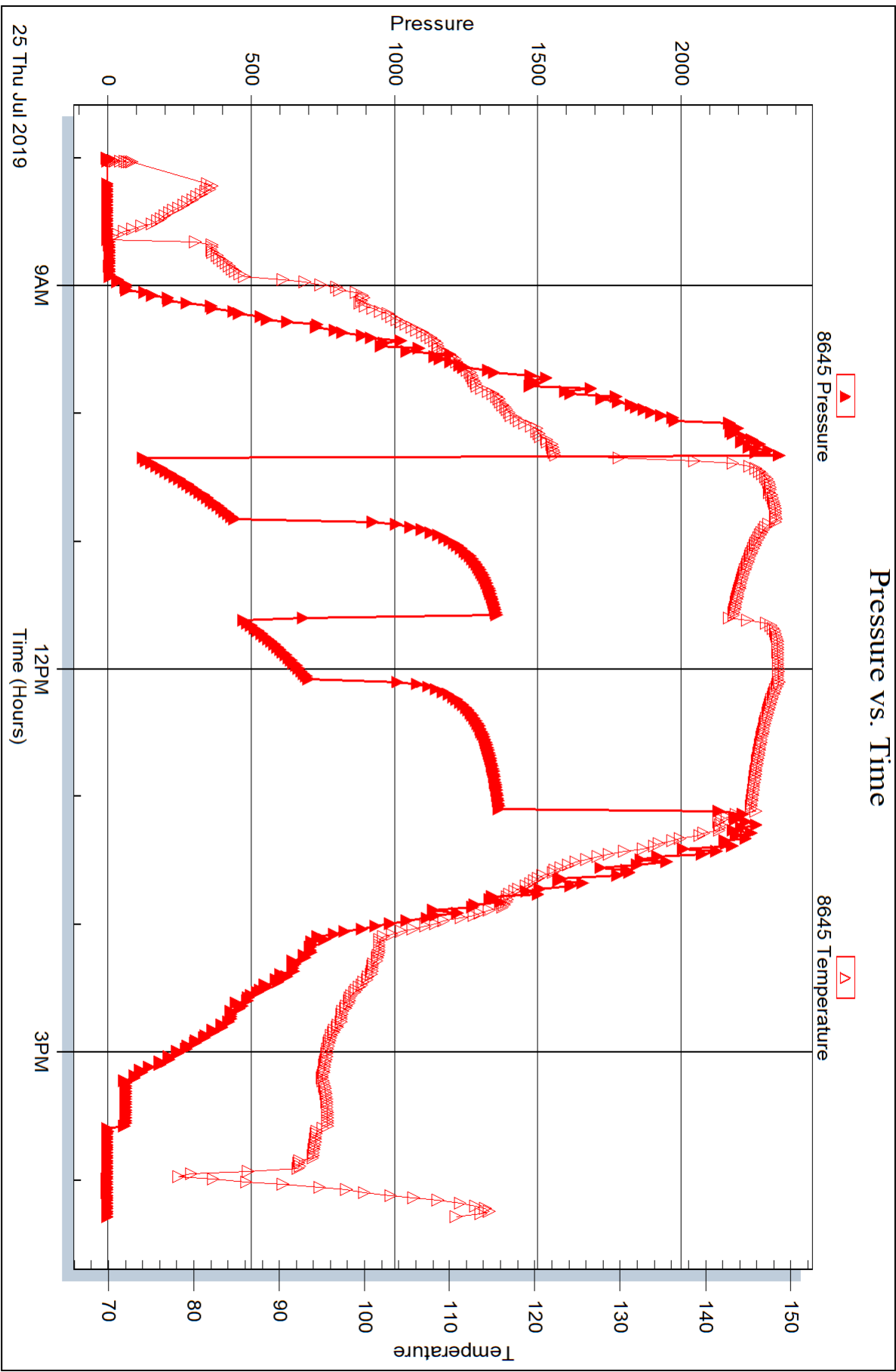
Serial #: 8645

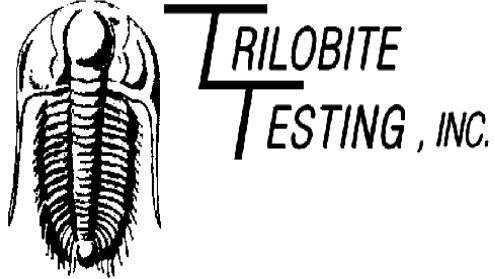
Inside

Chizum Oil

LHR#1-26P

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.26 @ 01:41:00

End Date: 2019.07.26 @ 07:31:40

Job Ticket #: 64669 DST #: 5

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.29 @ 17:09:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64669

DST#: 5

Test Start: 2019.07.26 @ 01:41:00

GENERAL INFORMATION:

Formation: **Pawnee - Myric Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:46:40

Time Test Ended: 07:31:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: 4621.00 ft (KB) To 4685.00 ft (KB) (TVD)

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4685.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 27.50 psig @ 4622.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.26

End Date:

2019.07.26

Last Calib.:

2019.07.26

Start Time: 01:41:01

End Time:

07:31:40

Time On Btm:

2019.07.26 @ 03:45:30

Time Off Btm:

2019.07.26 @ 05:48:40

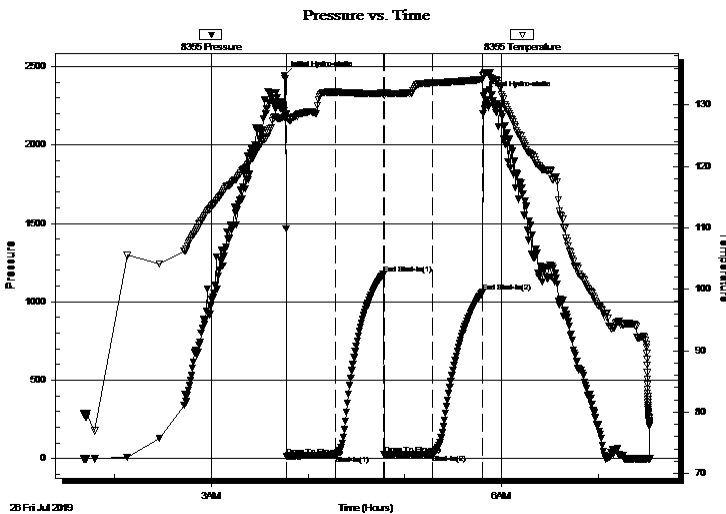
TEST COMMENT: 30-IF-1/4" Blow @ open slow build to 7/8"

30-ISI-No blow back

30-FF-No blow

30-FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2444.73	128.08	Initial Hydro-static
2	15.83	128.00	Open To Flow (1)
32	21.34	132.08	Shut-In(1)
61	1175.53	131.94	End Shut-In(1)
62	24.40	131.55	Open To Flow (2)
92	27.50	133.64	Shut-In(2)
123	1062.28	134.17	End Shut-In(2)
124	2316.96	134.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SGOSM 5%G, 5%O, 90%M	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman, KS
LHR #1-26P
Job Ticket: 64669 **DST#: 5**
Test Start: 2019.07.26 @ 01:41:00

GENERAL INFORMATION:

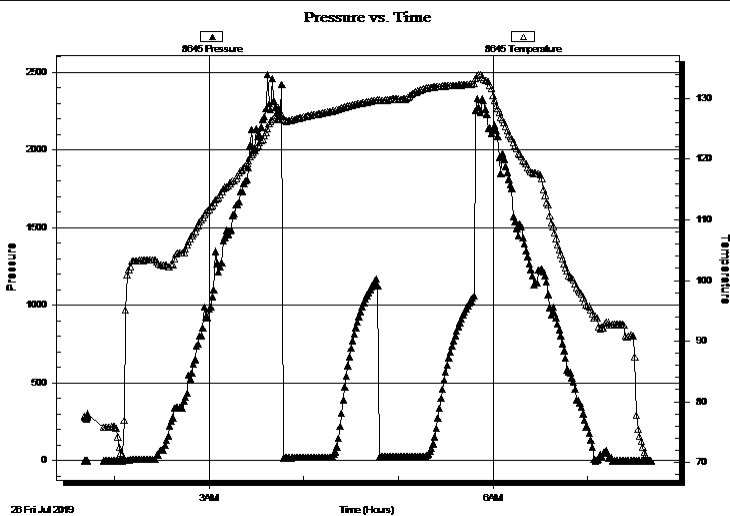
Formation: **Pawnee - Myric Stati**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:46:40
Time Test Ended: 07:31:40
Interval: **4621.00 ft (KB) To 4685.00 ft (KB) (TVD)**
Total Depth: 4685.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shawn Wheelbarger
Unit No: 76
Reference Elevations: 3434.00 ft (KB)
3429.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8645

Inside

Press@RunDepth: psig @ 4622.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.26 End Date: 2019.07.26 Last Calib.: 2019.07.26
Start Time: 01:41:01 End Time: 07:40:31 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-1/4" Blow @ open slow build to 7/8"
30-ISI-No blow back
30-FF-No blow
30-FSI-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SGOSM 5%G, 5%O, 90%M	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64669 **DST#: 5**
Test Start: 2019.07.26 @ 01:41:00

Tool Information

Drill Pipe:	Length: 4506.00 ft	Diameter: 3.80 inches	Volume: 63.21 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 63.82 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4621.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	85.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4601.00	
Shut In Tool	5.00			4606.00	
Hydraulic tool	5.00		Inside	4611.00	
Packer	5.00			4616.00	21.00 Bottom Of Top Packer
Packer	5.00			4621.00	
Packer - Shale	0.00			4621.00	
Stubb	1.00			4622.00	
Recorder	0.00	8355	Outside	4622.00	
Recorder	0.00	8645	Inside	4622.00	
Perforations	26.00			4648.00	
Change Over Sub	1.00			4649.00	
Drill Pipe	32.00			4681.00	
Change Over Sub	1.00			4682.00	
Bullnose	3.00			4685.00	64.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64669 **DST#: 5**
Test Start: 2019.07.26 @ 01:41:00

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SGOSM 5%G, 5%O, 90%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

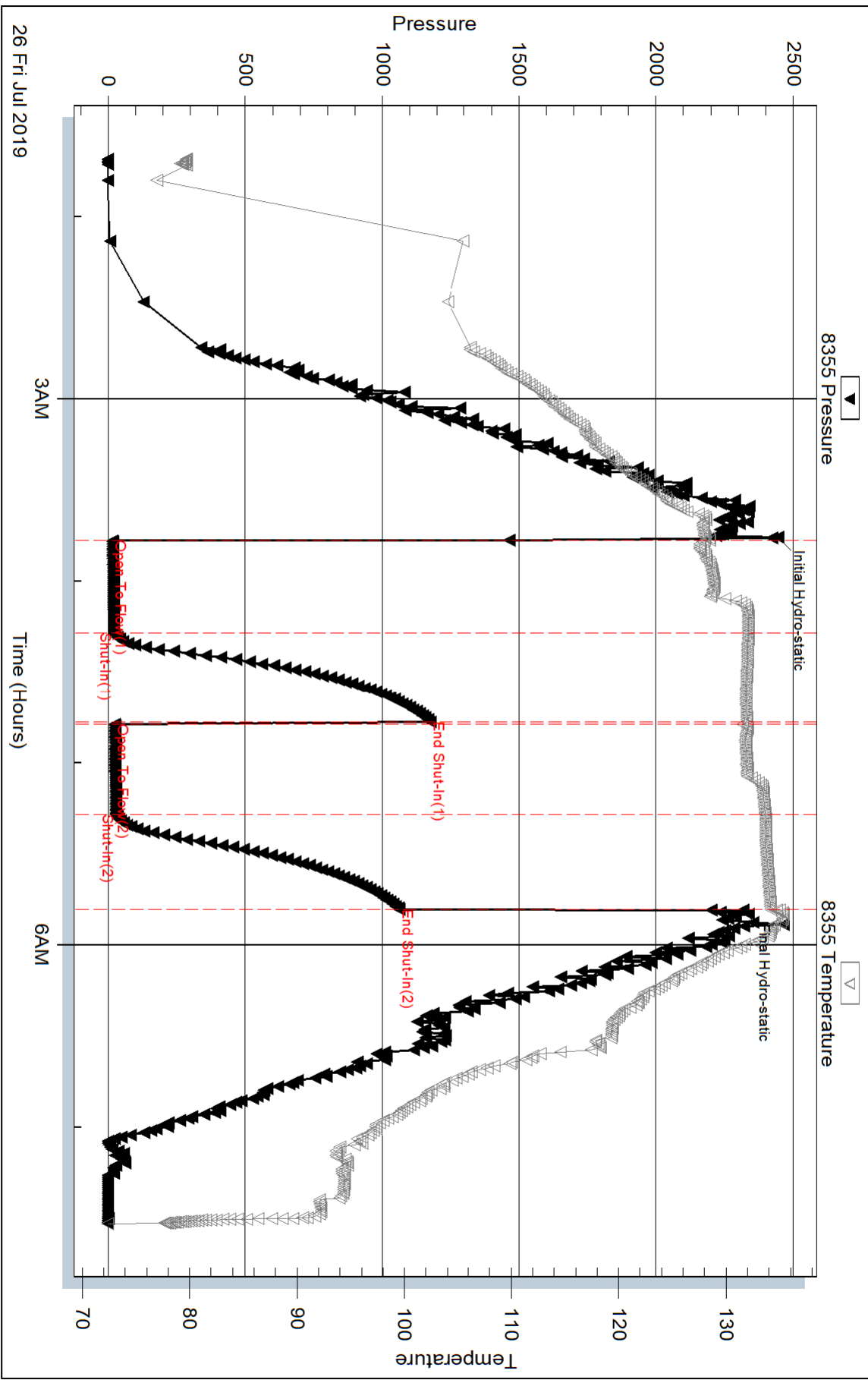
Serial #: 8355

Outside Chizum Oil

LHR#1-26P

DST Test Number: 5

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64669

Printed: 2019.07.29 @ 17:09:49

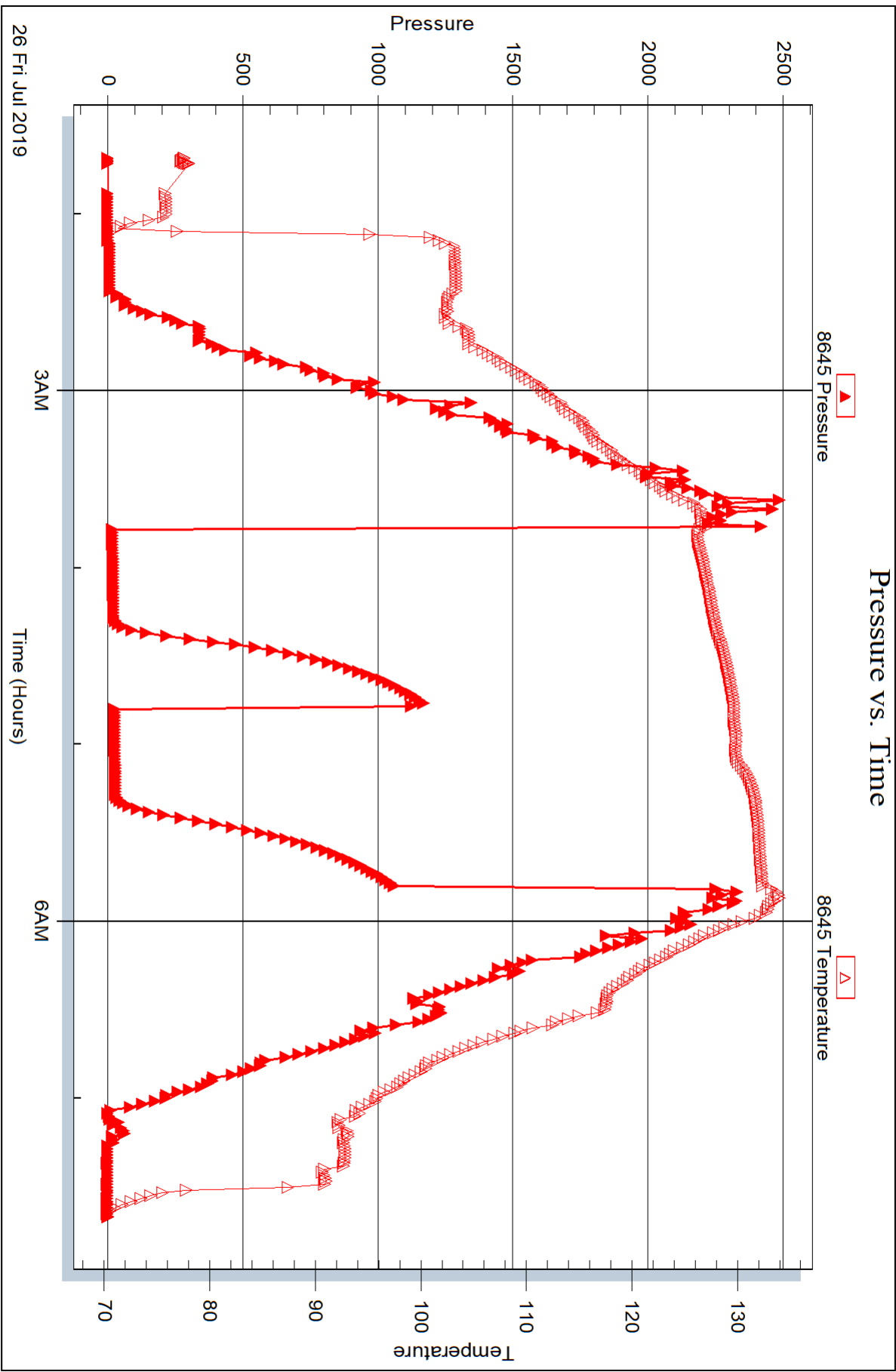
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Chizum Oil**

PO Box 75615
Wichita KS 67275

ATTN: Tim Priest

LHR #1-26P

26-7s-37w Sherman,KS

Start Date: 2019.07.26 @ 16:39:00

End Date: 2019.07.26 @ 23:59:20

Job Ticket #: 64670 DST #: 6

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.07.29 @ 16:45:30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
 PO Box 75615
 Wichita KS 67275
 ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64670

DST#: 6

Test Start: 2019.07.26 @ 16:39:00

GENERAL INFORMATION:

Formation: **Fort Scott - Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:05:10

Time Test Ended: 23:59:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: **4678.00 ft (KB) To 4750.00 ft (KB) (TVD)**

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4750.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8355 Outside

Press@RunDepth: 21.31 psig @ 4679.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.26

End Date: 2019.07.26

Last Calib.: 2019.07.27

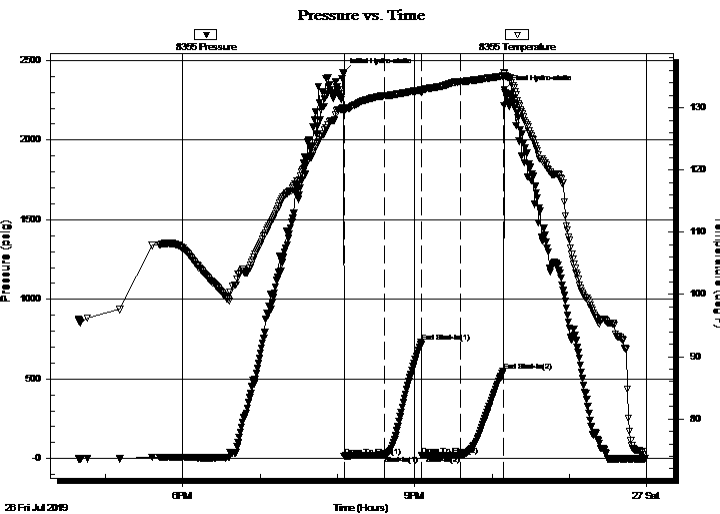
Start Time: 16:39:01

End Time: 23:59:20

Time On Btm: 2019.07.26 @ 20:04:20

Time Off Btm: 2019.07.26 @ 22:09:39

TEST COMMENT: 30-IF-1/4" Blow @ open Built to 7/16" @ 7 mins Declined @ 18 mins
 30-ISI-No blow back
 30-FF-No blow
 30-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2424.33	130.00	Initial Hydro-static
1	15.86	129.39	Open To Flow (1)
32	19.99	131.91	Shut-In(1)
61	731.36	132.84	End Shut-In(1)
62	22.17	132.43	Open To Flow (2)
92	21.31	134.20	Shut-In(2)
125	548.61	135.08	End Shut-In(2)
126	2317.86	135.50	Final Hydro-static

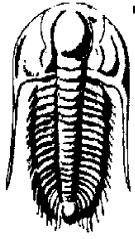
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil spots	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS

LHR #1-26P

Job Ticket: 64670

DST#: 6

Test Start: 2019.07.26 @ 16:39:00

GENERAL INFORMATION:

Formation: **Fort Scott - Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:05:10

Time Test Ended: 23:59:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Shawn Wheelbarger

Unit No: 76

Interval: **4678.00 ft (KB) To 4750.00 ft (KB) (TVD)**

Reference Elevations: 3434.00 ft (KB)

Total Depth: 4750.00 ft (KB) (TVD)

3429.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8645 Inside

Press@RunDepth: psig @ 4679.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.26

End Date:

2019.07.26

Last Calib.:

2019.07.27

Start Time: 16:39:01

End Time:

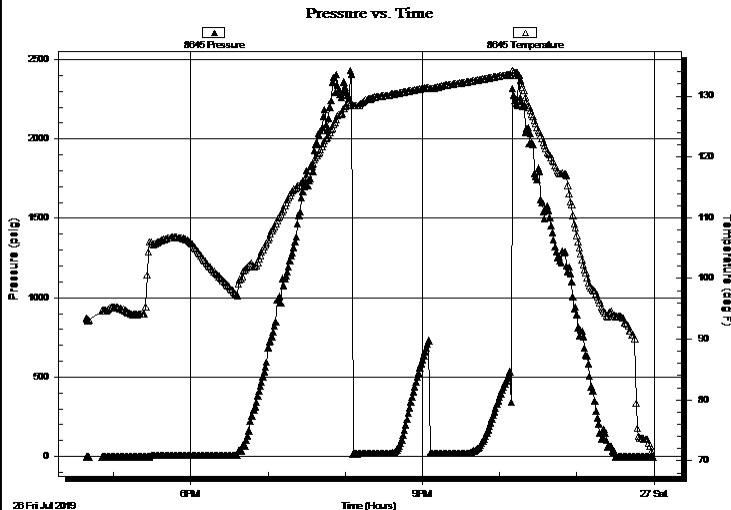
23:59:01

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF-1/4" Blow @ open Built to 7/16" @ 7 mins Declined @ 18 mins
30-ISI-No blow back
30-FF-No blow
30-FSI-No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil spots	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Chizum Oil
PO Box 75615
Wichita KS 67275
ATTN: Tim Priest

26-7s-37w Sherman,KS
LHR #1-26P
Job Ticket: 64670 **DST#: 6**
Test Start: 2019.07.26 @ 16:39:00

Tool Information

Drill Pipe:	Length: 4538.00 ft	Diameter: 3.80 inches	Volume: 63.66 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 64.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4678.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	93.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4658.00	
Shut In Tool	5.00			4663.00	
Hydraulic tool	5.00		Inside	4668.00	
Packer	5.00			4673.00	21.00 Bottom Of Top Packer
Packer	5.00			4678.00	
Packer - Shale	0.00			4678.00	
Stubb	1.00			4679.00	
Recorder	0.00	8355	Outside	4679.00	
Recorder	0.00	8645	Inside	4679.00	
Perforations	34.00			4713.00	
Change Over Sub	1.00			4714.00	
Drill Pipe	32.00			4746.00	
Change Over Sub	1.00			4747.00	
Bullnose	3.00			4750.00	72.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chizum Oil

26-7s-37w Sherman,KS

PO Box 75615
Wichita KS 67275

LHR #1-26P

Job Ticket: 64670

DST#: 6

ATTN: Tim Priest

Test Start: 2019.07.26 @ 16:39:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w / oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

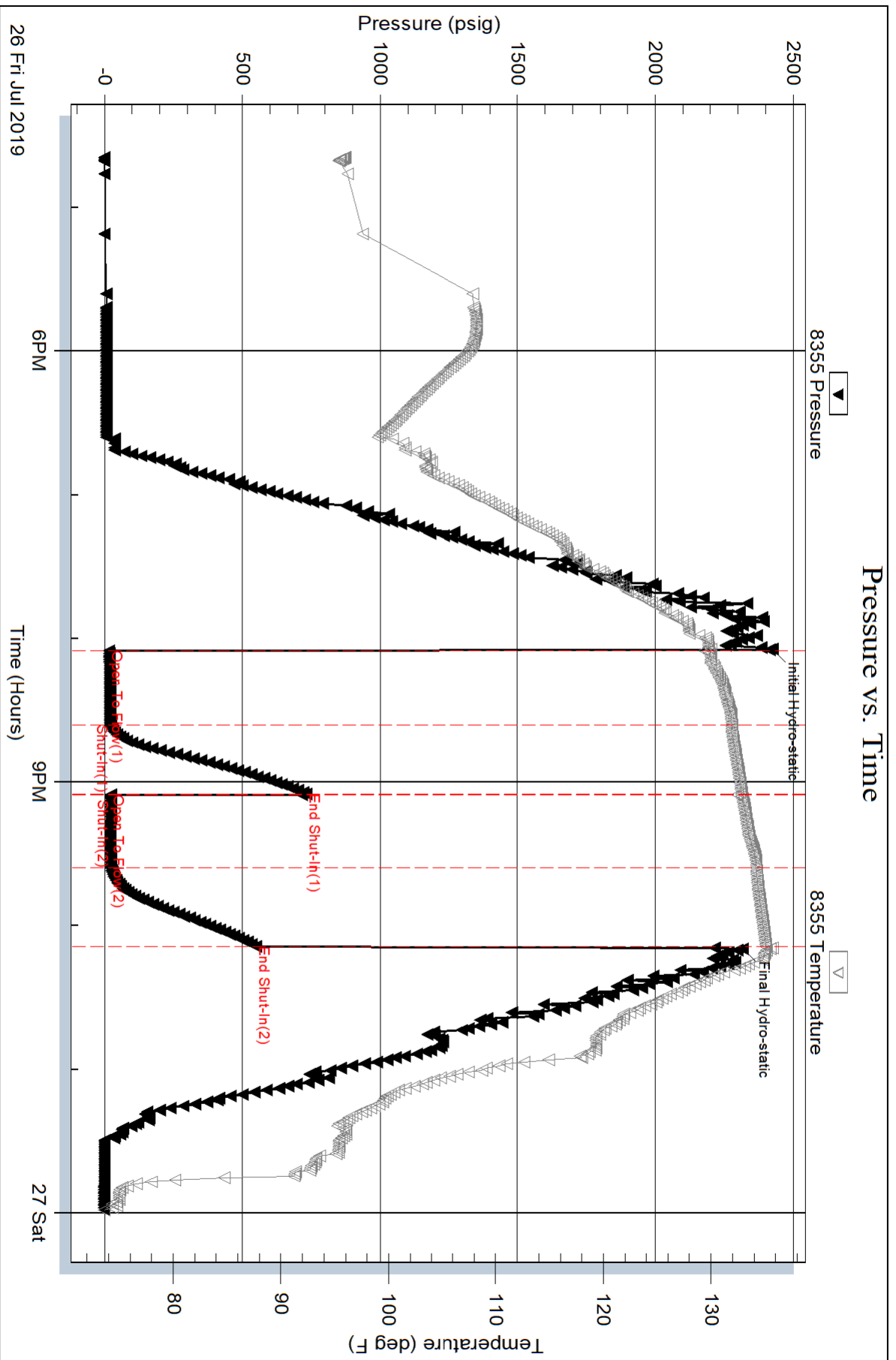
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



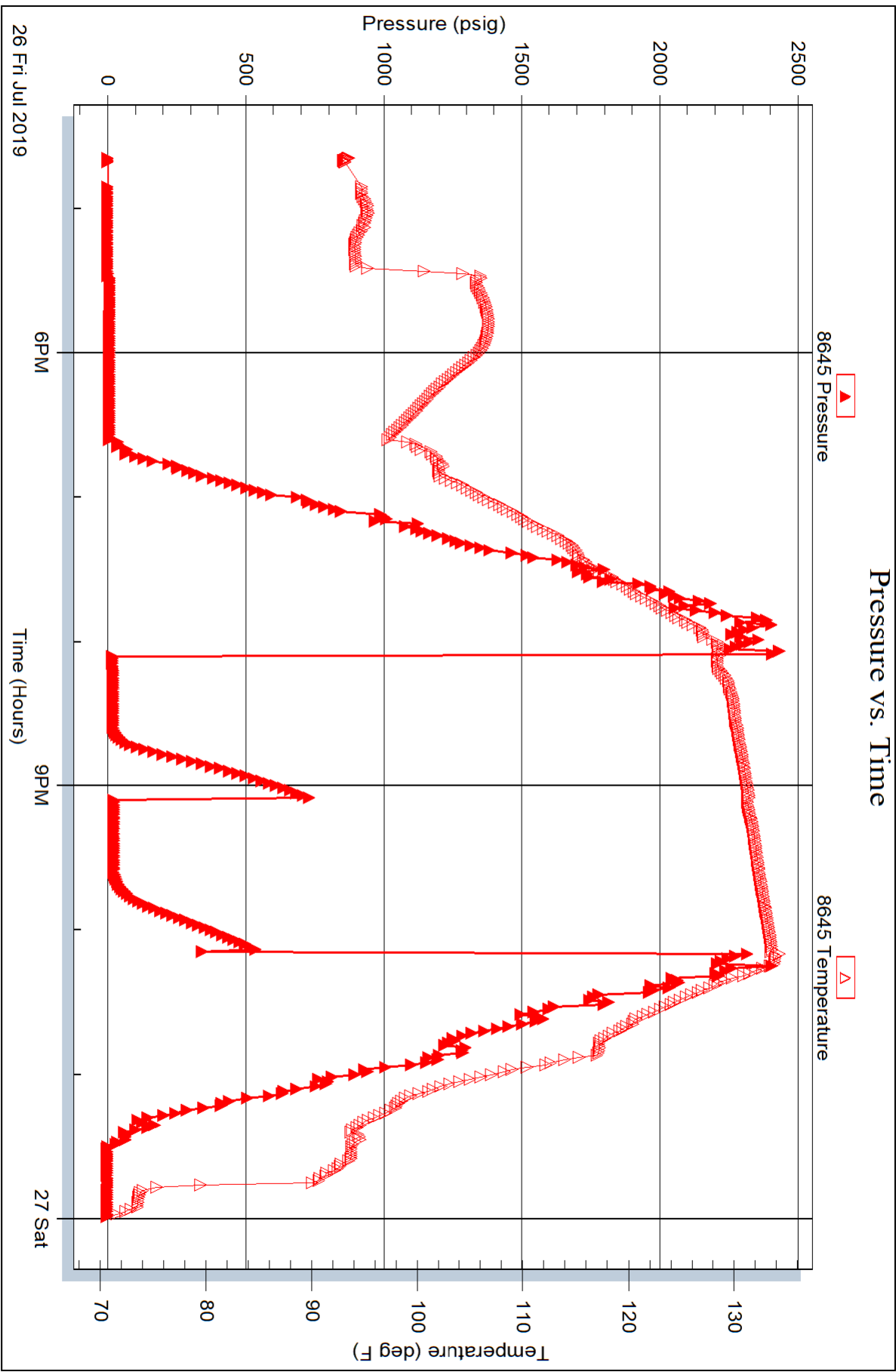
Serial #: 8645

Inside

Chizum Oil

LHR#1-26P

DST Test Number: 6





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64665

Well Name & No. LHR #1-20P Test No. 1 Date 7-22-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig NW 10 Merfin BA
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4183-4280 Zone Tested Toronto Lansing A+B
 Anchor Length 97 Drill Pipe Run 4062 Mud Wt. 9
 Top Packer Depth 4178 Drill Collars Run 124 Vis 76
 Bottom Packer Depth 4183 Wt. Pipe Run - WL 8
 Total Depth 4280 Chlorides 3000 ppm System LCM 2
 Blow Description IF 3/4" Blow @ open BOB @ 10 mins Built to 30 1/4"
ISI No blow back
FF BOB @ 14 mins Built to 25 1/4"
FSI No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>OSWM</u>	<u>3</u>	<u>51</u>	<u>46</u>	
<u>510</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 700 BHT 134 Gravity - API RW 26.3 @ 57.7° F Chlorides 32000 ppm

- (A) Initial Hydrostatic 2052
- (B) First Initial Flow 39
- (C) First Final Flow 211
- (D) Initial Shut-In 1227
- (E) Second Initial Flow 212
- (F) Second Final Flow 338
- (G) Final Shut-In 1221
- (H) Final Hydrostatic 2106

- Test 1300
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 162 RT 162
- Sampler
- Straddle
- Shale Packer 250
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1712

T-On Location 20:45 7-22
 T-Started 21:54 7-22
 T-Open 00:21
 T-Pulled 2:36
 T-Out 5:03

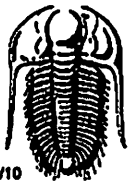
Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1712
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Approved By _____

Our Representative Shawn Wheelbarger

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. 64666

Well Name & No. LHR #1-26P Test No. 2 Date 7-23-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Martin BA WW #10
 Location: Sec. 26 Twp 7s Rge. 37W Co. Sherman State KS

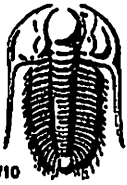
Interval Tested 4381 - 4448 Zone Tested KL H-2
 Anchor Length 67 Drill Pipe Run 4253 Mud Wt. 9.2
 Top Packer Depth 4376 Drill Collars Run 124 Vis 67
 Bottom Packer Depth 4381 Wt. Pipe Run - WL 8.8
 Total Depth 4448 Chlorides 4000 ppm System LCM 2
 Blow Description IF Heavy Surface blow built to 1"
IST No blow back
FF Surface blow
FSI No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>OCM</u>	<u>24</u>		<u>76</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 50 BHT 131 Gravity 34.3 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2340 Test 1300 T-On Location 20:24
 (B) First Initial Flow 14 Jars _____ T-Started 20:37
 (C) First Final Flow 24 Safety Joint _____ T-Open 22:58
 (D) Initial Shut-In 1128 Circ Sub _____ T-Pulled 1:13 7-24
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 2:47
 (F) Second Final Flow 32 Mileage 162 RT 162 Comments _____
 (G) Final Shut-In 1099 Sampler _____
 (H) Final Hydrostatic 2289 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1712
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1712

Approved By _____ Our Representative Shawn Wheelbarger
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64667

Well Name & No. LHR #1-26P Test No. 3 Date 7-24-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO BOX 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Murfin BA NW #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4463-4576 Zone Tested KC K thru Norm B
 Anchor Length 113 Drill Pipe Run 4348 Mud Wt. 9.2
 Top Packer Depth 4458 Drill Collars Run 124 Vis 67
 Bottom Packer Depth 4463 Wt. Pipe Run - WL 9.6
 Total Depth 4576 Chlorides 6000 ppm System LCM 2
 Blow Description IF 2" Blow @ open BOB in 3 mins Built to 127 3/4"
ISI BOB in 16 mins built to 11 3/8" declined to 11"
FF BOB in 3 mins built to 117"
F-5I Blow built to 1 1/4" @ 15 mins & remained 1 1/4"

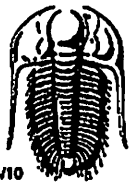
Rec	Feet of	%gas	%oil	%water	%mud
<u>698</u>	<u>Gas</u>	<u>100</u>			
<u>130</u>	<u>GO</u>	<u>2</u>	<u>98</u>		
<u>397</u>	<u>GO WCM</u>	<u>12</u>	<u>10</u>	<u>52</u>	<u>26</u>

Rec Total 2356 BHT 141 Gravity 30.6 API RW .293 @ 68.9 °F Chlorides 23000 ppm
 (A) Initial Hydrostatic 2291 Test 1300 T-On Location 15:54
 (B) First Initial Flow 103 Jars _____ T-Started 16:10
 (C) First Final Flow 410 Safety Joint _____ T-Open 18:16
 (D) Initial Shut-In 1383 Circ Sub _____ T-Pulled 21:16
 (E) Second Initial Flow 385 Hourly Standby _____ T-Out 00:47
 (F) Second Final Flow 676 Mileage 162 RT 162
 (G) Final Shut-In 1376 Sampler _____
 (H) Final Hydrostatic 2216 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby _____ Sub Total 0
 Initial Shut-In 4.5 Accessibility _____ Total 1712
 Final Flow 4.5 MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1712

Approved By _____

Our Representative Shawn Wheelbarger

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64668

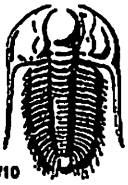
Well Name & No. LHR #1-26P Test No. 4 Date 7-25-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO BOX 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Martin BA WW #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4575 - 4610 Zone Tested Marmaton C
 Anchor Length 35 Drill Pipe Run 4443 Mud Wt. 9.4
 Top Packer Depth 4570 Drill Collars Run 124 Vis 66
 Bottom Packer Depth 4575 Wt. Pipe Run - WL 10.4
 Total Depth 4610 Chlorides 7500 ppm System LCM 1
 Blow Description IF 1 1/2" Blow @ open BOB in 3mins Built to 78 1/4"
ISI No blow back
FF BOB in 4 1/2 mins built to 56"
FSI Sustaine blow built to 2"

Rec	Feet of	%gas	%oil	%water	%mud
10	CO	100			
190	GOWCM	10	55	23	
1268	OWCM	1	88	5	
Rec Total	1468	BHT 145	Gravity 26.4	API RW .078 @ 91.7 °F	Chlorides 6000 ppm

(A) Initial Hydrostatic 2351 Test 1300 T-On Location 7:39
 (B) First Initial Flow 101 Jars _____ T-Started 8:00
 (C) First Final Flow 446 Safety Joint _____ T-Open 10:20
 (D) Initial Shut-In 1358 Circ Sub _____ T-Pulled 13:05
 (E) Second Initial Flow 463 Hourly Standby _____ T-Out 16:01
 (F) Second Final Flow 703 Mileage 162 RT 162 Comments _____
 (G) Final Shut-In 1366 Sampler _____
 (H) Final Hydrostatic 2255 Straddle _____ Ruined Shale Packer 350
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1712 Sub Total 350
 Total 2062 MP/DST Disc't _____

Approved By _____ Our Representative Shawn Wheelbarger
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64669

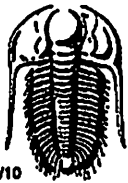
Well Name & No. LHR #1-26P Test No. 5 Date 7-26-19
 Company Chizum Oil Elevation 3434 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Martin BA WA #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State KS

Interval Tested 4621 - 4685 Zone Tested Pawnee-Muric Station
 Anchor Length 64 Drill Pipe Run 4506 Mud Wt. 9.3
 Top Packer Depth 4616 Drill Collars Run 124 Vls 57
 Bottom Packer Depth 4621 Wt. Pipe Run - WL 10.4
 Total Depth 4685 Chlorides 8000 ppm System LCM 2
 Blow Description IF 1/4" Blow @ open slow build to 7/8"
IST No blowback
FF No blow
FST No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>SGOSM</u>	<u>5</u>	<u>5</u>	<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 1.35 Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2445 Test 1300 T-On Location 1:25
 (B) First Initial Flow 16 Jars _____ T-Started 1:41
 (C) First Final Flow 21 Safety Joint _____ T-Open 3:46
 (D) Initial Shut-In 1176 Circ Sub _____ T-Pulled 5:46
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out 7:43
 (F) Second Final Flow 28 Mileage 162 RT 162 Comments _____
 (G) Final Shut-In 1062 Sampler _____
 (H) Final Hydrostatic 2317 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1712
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1712

Approved By _____ Our Representative Shawn Wheelbarrow
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64670

4/10

Well Name & No. LHR # 1-26P Test No. 6 Date 7-26-19
 Company Chizum Oil Elevation 34.34 KB 3429 GL
 Address PO Box 75615 Wichita KS 67275
 Co. Rep / Geo. Tim Priest Rig Martin BA WLD #10
 Location: Sec. 26 Twp 7S Rge. 37W Co. Sherman State _____

Interval Tested 4678 - 4750 Zone Tested Fort Scott Cherokee
 Anchor Length 72 Drill Pipe Run 4538 Mud Wt. 9
 Top Packer Depth 4673 Drill Collars Run 124 Vis 52
 Bottom Packer Depth 4678 Wt. Pipe Run - WL 10.4
 Total Depth 4750 Chlorides 8000 ppm System LCM 2
 Blow Description IF 1/4" Blow @ open built to 7/16" in 7 mins declined after 18 mins
ISI No blow back
FF No blow
FSI No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/ oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 136 Gravity - API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2424 Test 1300 T-On Location 16:13
 (B) First Initial Flow 16 Jars _____ T-Started 16:39
 (C) First Final Flow 20 Safety Joint _____ T-Open 20:05
 (D) Initial Shut-In 731 Circ Sub _____ T-Pulled 22:06
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 23:55
 (F) Second Final Flow 21 Mileage 162 Comments _____
 (G) Final Shut-In 549 Sampler _____
 (H) Final Hydrostatic 2318 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1712
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1712

Approved By _____ Our Representative Shawn Sheelbarger
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