

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	WGM COMM 1-22
Doc ID	1711857

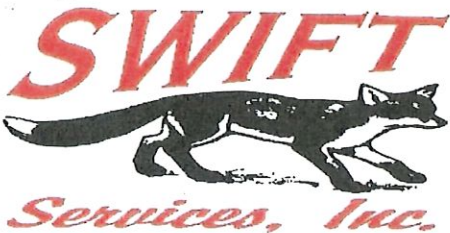
Tops

Name	Top	Datum
Base Anhydrite	2501	+704
Heebner	3991	-786
Lansing	4035	-830
Muncie Creek	4205	-1000
Stark Shale	4302	-1097
Hushpuckney	4352	-1147
Marmaton	4452	-1247
Pawnee	4525	-1320
L. Cherokee Shale	4604	-1399
Johnson	4666	-1461
Mississippian	4784	-1579

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	WGM COMM 1-22
Doc ID	1711857

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	225	Class A	150	2% gel, 3% cc



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
3/30/2023	35946

BILL TO
Shakespeare Oil Company, Inc 202 West Main Street Salem, IL 62881

RECEIVED
APR 04 2023

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-22	WGM COMM	Wichita	Southwind	Oil	Development	Shallow Surface	David E
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	8.00	600.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)				1	Job	1,200.00	1,200.00
290	D-Air				2	Gallon(s)	42.00	84.00T
325	Standard Cement				150	Sacks	16.00	2,400.00T
279	Bentonite Gel				3	Sack(s)	50.00	150.00T
278	Calcium Chloride				7	Sack(s)	55.00	385.00T
276	Flocele				50	Lb(s)	4.00	200.00T
581D	Service Charge Cement				150	Sacks	2.00	300.00
583D	Drayage				555	Ton Miles	1.00	555.00
	Subtotal							5,874.00
	Sales Tax Wichita County						8.50%	273.62
Total							\$6,147.62	

502-54

DW



Services, Inc.

TICKET
35946

CHARGE TO: Shawspore Oil & Gas
ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE/LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hays KS</u>	<u>1-22</u>	<u>Mam Comm</u>	<u>Wichita</u>	<u>KS</u>		<u>7-30-23</u>	
2. <u>Ness City KS</u>	TICKET TYPE ☐ SERVICE ☐ SALES	CONTRACTOR <u>Sourins</u>	RIG NAME/NO.	SHIPPED VIA <u>By</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Dil</u>	WELL CATEGORY <u>development</u>	JOB PURPOSE <u>Shallow Surf</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		AMOUNT
		LOC	ACCT	DF						
535		1			MILEAGE <u>Trk 111</u>	75	mi			600.00
5765		1			<u>Pump Charge- Shallow Surf</u>	1	ea			1200.00
290		1			<u>D-Air</u>	2	lbs			84.00
325		2			<u>Standard Cement</u>	150	5x			2400.00
279		2			<u>Bentonite Gel</u>	3	5x			150.00
278		2			<u>Calcium Chloride</u>	7	5x			385.00
276		2			<u>Flare</u>	50	lbs			200.00
581		2			<u>Service Charge Cement</u>	150	5x			300.00
583		2			<u>Drayage</u>	555	7m			555.00
TOTAL										6147.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED	TIME SIGNED	☐ A.M. ☐ P.M.
-------------	-------------	--

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE?	☐ YES	☐ NO
CUSTOMER DID NOT WISH TO RESPOND		

PAGE TOTAL 5824.00
TOTAL 6147.00

SWIFT OPERATOR

David Edgerton

APPROVAL

Thank You!

JOB LOG		SWIFT Services, Inc.						DATE 3/30/23		PAGE NO.
CUSTOMER Shakespeare oil		WELL NO. 1-22		LEASE WGM Comm		JOB TYPE SHALLOW SURF		TICKET NO. 35946		
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS		
				T	C	TUBING	CASING			
	1900							On location		
								8 5/8 csg @ 228'		
	2000	4	5			200		Break Circ		
		4	36			200		pump wtr spacer		
		4	14			300		pump cmt - 150 sx @ 14.7" PPg		
								Disp		
								- cmt to surf.		
	2020							Shut in		
								Job Complete		
								Thanks		
								Davis, Seth & Tyler		

DATE 3/30/23

PAGE NO.

CUSTOMER

Shakespeare oil

WELL NO.

1-22

LEASE

WGM Comm

JOB TYPE	
----------	--

SOE TYPE
SHALLOW SURF

TICKET NO.

35946

CHAR.
NO.

TIME

RATE
(BPM)

VOLUME
(BBL) (GAL)

PUMPS	
T	C

PRESSURE (PSI)	
TUBING	CASING

DESCRIPTION OF OPERATION AND MATERIALS

1900

On location

8 5/8 csg @ 228'

2000

4

5

200

Break Circ

pump wtr spacer

4

36

200

Pump Cmt - 150 sx @ 14.7 PPG

4

14

300

Disp

- Cmt to surf.

8020

Shot in

Job Complete

Thanks

Davis, Seth & Tyler

SWIFT



Services, Inc.

P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
4/7/2023	35925

BILL TO

Shakespeare Oil Company, Inc
202 West Main Street
Salem, IL 62881

RECEIVED
APR 17 2023

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-22	WGM Comm...	Wichita	Southwind Drlg R...	Oil	Development	PTA	Jonathan
PRICE REF.		DESCRIPTION			QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way			75	Miles	8.00	600.00	
576D-P	Pump Charge - PTA			1	Job	1,200.00	1,200.00	
290	D-Air			3	Gallon(s)	42.00	126.00T	
328-4	60/40 Pozmix (4% Gel)			300	Sacks	13.00	3,900.00T	
276	Flocele			75	Lb(s)	4.00	300.00T	
581D	Service Charge Cement			300	Sacks	2.00	600.00	
583D	Drayage			944.19	Ton Miles	1.00	944.19	
		Subtotal						7,670.19
		Sales Tax Wichita County					8.50%	367.71
We Appreciate Your Business!						Total		
						\$8,037.90		

502-17 2

DW



Services, Inc.

TICKET 35925

CHARGE TO: Shakespeare Oil Co
ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS
1. Ness City, KS
2. Well/PROJECT NO. 1-22
3. South Wind Drilling
4. Oil
WELL TYPE: ☒ SERVICE ☐ SALES
CONTRACTOR: Wagon Cement
RIG NAME/NO.: Rig 8
WELL CATEGORY: Development
JOB PURPOSE: Plug to Abandon
INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			U/M	U/M		
575		1			MILEAGE # 112	75	mi		8.00	600.00
576P		1			Pump Charge - PTA	1	EA		1200.00	1200.00
290		1			D-4ir	3	gal		42.00	126.00
328-4		1			100/40 Pozmix (40% Gel)	300	sks		13.00	3900.00
276		1			F/10cel	75	lbs		4.00	300.00
581		1			Service Charge Cement	300	sks		2.00	600.00
583		1			Drillage	944.14	TM		1.00	944.14

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
X
DATE SIGNED: _____ TIME SIGNED: _____
☐ A.M. ☐ P.M.

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300
SURVEY
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? ☐
WE UNDERSTOOD AND MET YOUR NEEDS? ☐
OUR SERVICE WAS PERFORMED WITHOUT DELAY? ☐
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ☐
ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO
PAGE TOTAL: 7,670.14
TOTAL: 8057.90

SWIFT OPERATOR: [Signature] APPROVAL: _____
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
Thank You!

JOB LOG

SWIFT Services, Inc.

DATE	PAGE NO.
04/02/23	1
TICKET NO.	
35925	

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Shakespeare Oil		1-22		WGM Comm		PTA		35925	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	2100								On location, set up trucks
	2120								1 st Plug - 2490'
		6	10						Pump Water
		6	13						Pump Cement - 50 SKS
		6	3						Pump Water
		8 Rig	24						Have Rig Pump Mud for 3min
									2 nd Plug - 1570'
	1025	6	10						Pump Water
		6	21						Pump Cement - 80 SKS
		6	3						Pump Water
		8 Rig	8						Have Rig Pump Mud 1min
	2305								3 rd Plug - 750'
		4	5						Pump Water
		4	13						Pump Cement
		4	5						Pump Water
	2330								4 th Plug - 270'
		4	4						Pump Water
		4	13						Pump Cement
		4	2						Pump Water
	0005								5 th Plug - 60'
		4	5						Pump Cement
	0010								Plug Rathole w/ 30 SKS
	0005		8						Plug Mousehole w/ 20 SKS
	0015		5						Wash up truck
									Rack up
	0040								Job Complete
									Thanks
									Jon, Preston, & Brett



DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Vern Schrag

WGM Comm #1-22

22-16-35 Wichita,KS

Start Date: 2023.04.04 @ 07:35:00

End Date: 2023.04.04 @ 13:21:50

Job Ticket #: 70209 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.11 @ 10:59:04



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

22-16-35 Wichita, KS

202 W. Main St.
Salem, IL 62881

WGM Comm #1-22

Job Ticket: 70209

DST#: 1

ATTN: Vern Schrag

Test Start: 2023.04.04 @ 07:35:00

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:45:40

Time Test Ended: 13:21:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: 4010.00 ft (KB) To 4125.00 ft (KB) (TVD)

Total Depth: 4125.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3205.00 ft (KB)

3195.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press@RunDepth: 161.09 psig @ 4011.00 ft (KB)

Start Date: 2023.04.04

End Date:

2023.04.04

Start Time: 07:35:01

End Time:

13:21:50

Capacity: 8000.00 psig

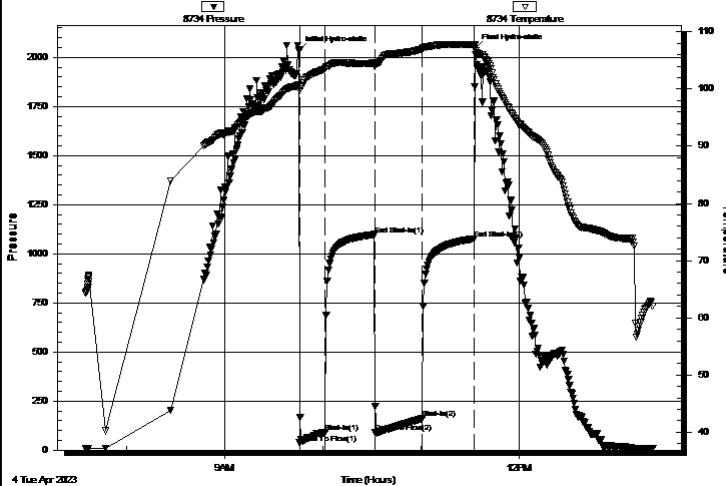
Last Calib.: 2023.04.04

Time On Btm: 2023.04.04 @ 09:45:30

Time Off Btm: 2023.04.04 @ 11:32:50

TEST COMMENT: 15-IF-Blow built to 8 1/2"
30-ISI-No return
30-FF-B.O.B (11 inches) @ 24 mins (blow built to 13 1/2")
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.52	100.73	Initial Hydro-static
1	37.36	99.70	Open To Flow (1)
16	90.80	103.56	Shut-In(1)
46	1097.55	104.54	End Shut-In(1)
47	88.73	103.95	Open To Flow (2)
76	161.09	106.99	Shut-In(2)
107	1075.70	107.78	End Shut-In(2)
108	2043.16	107.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	MCW 25%M, 75%W	3.93
0.00	Oil spots in tool	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

202 W. Main St.
Salem, IL 62881

ATTN: Vern Schrag

22-16-35 Wichita, KS

WGM Comm #1-22

Job Ticket: 70209

DST#: 1

Test Start: 2023.04.04 @ 07:35:00

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:45:40

Time Test Ended: 13:21:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: 4010.00 ft (KB) To 4125.00 ft (KB) (TVD)

Total Depth: 4125.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3205.00 ft (KB)

3195.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4011.00 ft (KB)

Start Date: 2023.04.04

End Date:

2023.04.04

Start Time: 07:35:01

End Time:

13:21:40

Capacity: 8000.00 psig

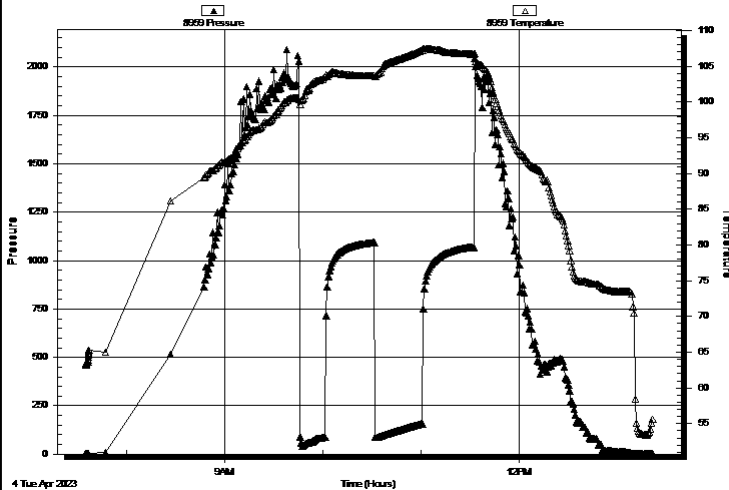
Last Calib.: 2023.04.04

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-Blow built to 8 1/2"
30-ISI-No return
30-FF-B.O.B (11 inches) @ 24 mins (blow built to 13 1/2")
30-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
280.00	MCW 25%M, 75%W	3.93
0.00	Oil spots in tool	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

22-16-35 Wichita, KS

202 W. Main St.
Salem, IL 62881

WGM Comm #1-22

Job Ticket: 70209

DST#: 1

ATTN: Vern Schrag

Test Start: 2023.04.04 @ 07:35:00

Tool Information

Drill Pipe:	Length:	4004.00 ft	Diameter:	3.80 inches	Volume:	56.17 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	52000.00 lb
					Total Volume:	56.17 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		27.00 ft					String Weight: Initial	46000.00 lb
Depth to Top Packer:		4010.00 ft					Final	47000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		115.00 ft						
Tool Length:		148.00 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		3978.00	
Shut In Tool	5.00		3983.00	
Hydraulic tool	5.00	1113	3988.00	
Jars	5.00	01-07	3993.00	
EM Tool	5.00		3998.00	
Safety Joint	3.00	-001	4001.00	
Packer	5.00		4006.00	33.00 Bottom Of Top Packer
Packer	4.00		4010.00	
Stubb	1.00		4011.00	
Recorder	0.00	8959 Inside	4011.00	
Recorder	0.00	8734 Outside	4011.00	
Perforations	11.00		4022.00	
Change Over Sub	1.00		4023.00	
Drill Pipe	96.00		4119.00	
Change Over Sub	1.00		4120.00	
Bullnose	5.00		4125.00	115.00 Bottom Packers & Anchor
Total Tool Length:	148.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

22-16-35 Wichita, KS

202 W. Main St.
Salem, IL 62881

WGM Comm #1-22

Job Ticket: 70209

DST#: 1

ATTN: Vern Schrag

Test Start: 2023.04.04 @ 07:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 14500 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	MCW 25%M, 75%W	3.928
0.00	Oil spots in tool	0.000

Total Length: 280.00 ft Total Volume: 3.928 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

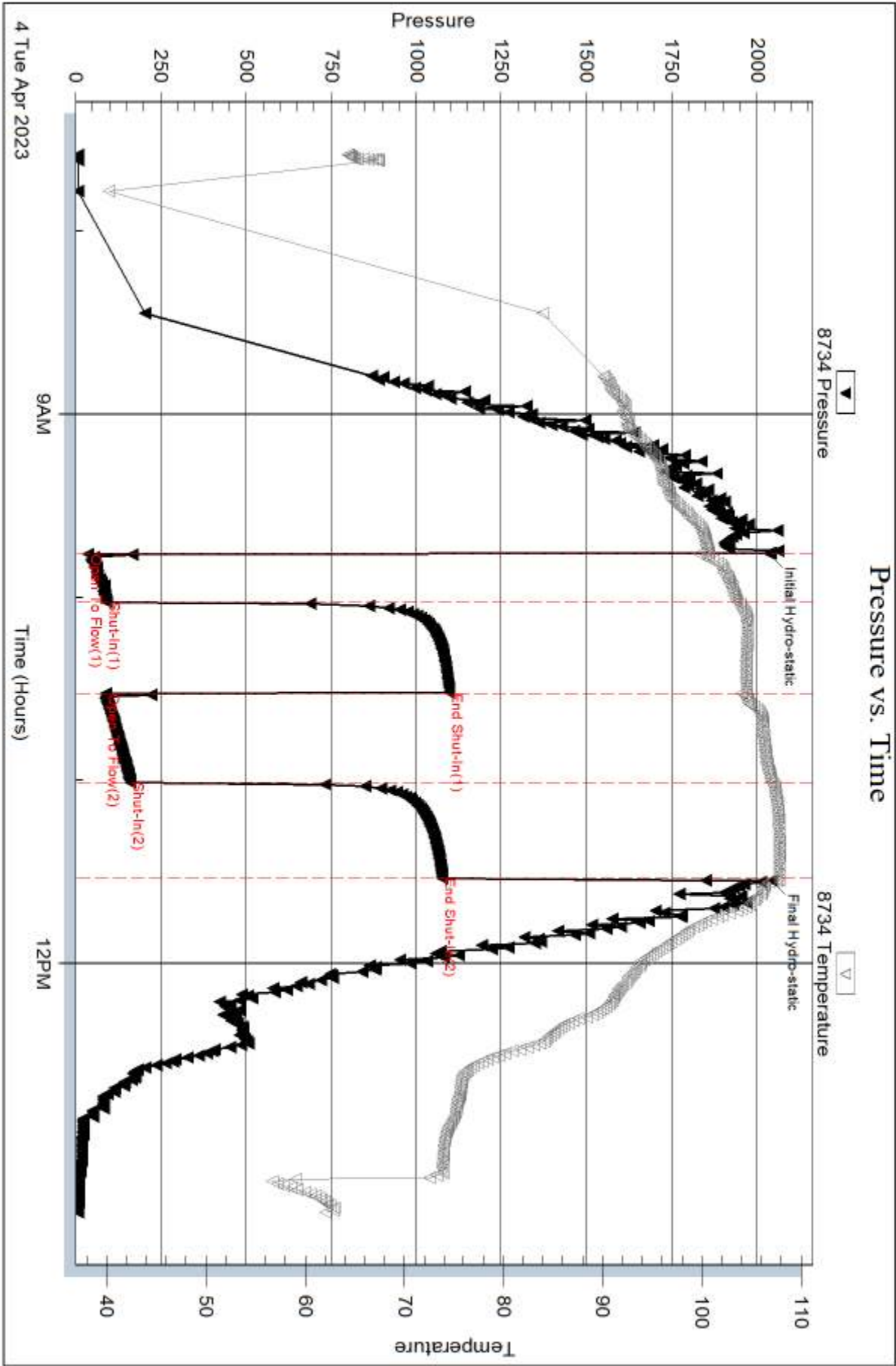
Recovery Comments: RW=.67 @ 49.5 degs = 14,500 PPM

Serial #: 8734

Outside Shakespeare Oil Co

WGM Comm #1-22

DST Test Number: 1



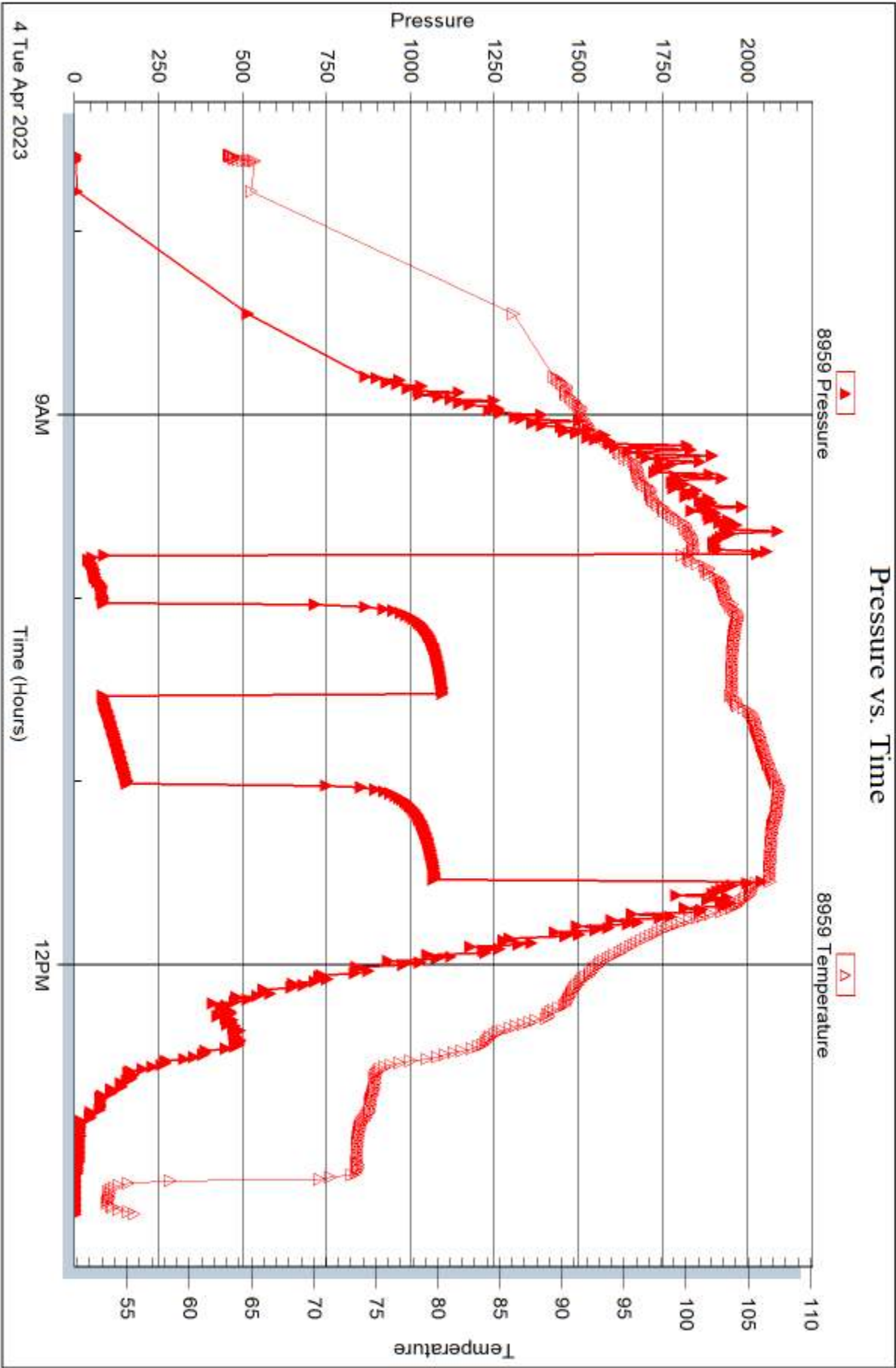
Serial #: 8959

Inside

Shakespeare Oil Co

WGM Comm #1-22

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co**

202 W. Main St.
Salem, IL 62881

ATTN: Vern Schrag

WGM Comm #1-22

22-16-35 Wichita,KS

Start Date: 2023.04.05 @ 05:58:00

End Date: 2023.04.05 @ 13:23:30

Job Ticket #: 70210 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.11 @ 11:00:06



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

22-16-35 Wichita, KS

202 W. Main St.
Salem, IL 62881

WGM Comm #1-22

Job Ticket: 70210

DST#: 2

ATTN: Vern Schrag

Test Start: 2023.04.05 @ 05:58:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:50

Time Test Ended: 13:23:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4269.00 ft (KB) To 4290.00 ft (KB) (TVD)

Total Depth: 4290.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3205.00 ft (KB)

3195.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press@RunDepth: 267.07 psig @ 4270.00 ft (KB)

Start Date: 2023.04.05

End Date:

2023.04.05

Start Time: 05:58:01

End Time:

13:23:30

Capacity: 8000.00 psig

Last Calib.: 2023.04.05

Time On Btm: 2023.04.05 @ 09:05:10

Time Off Btm: 2023.04.05 @ 11:08:50

TEST COMMENT: 15-IF-B.O.B (11 inches) @ 11 mins (blow built to 14 1/2")
25-ISI-Surface return @ 14 mins maintained surface blow
30-FF-B.O.B @ 15 mins (blow built to 25")
50-FSI-No return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.50	102.68	Initial Hydro-static
1	48.60	102.35	Open To Flow (1)
16	127.74	113.71	Shut-In(1)
42	1217.95	113.91	End Shut-In(1)
43	128.52	113.50	Open To Flow (2)
71	267.07	117.33	Shut-In(2)
123	1220.81	116.17	End Shut-In(2)
124	2107.99	116.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	SW w/Oil scum 100%W	3.51
270.00	MCW 30%M, 70%W	3.79

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co

22-16-35 Wichita, KS

202 W. Main St.
Salem, IL 62881

WGM Comm #1-22

Job Ticket: 70210

DST#: 2

ATTN: Vern Schrag

Test Start: 2023.04.05 @ 05:58:00

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:05:50

Time Test Ended: 13:23:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 4269.00 ft (KB) To 4290.00 ft (KB) (TVD)

Total Depth: 4290.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3205.00 ft (KB)

3195.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4270.00 ft (KB)

Start Date: 2023.04.05

End Date:

2023.04.05

Start Time: 05:58:01

End Time:

13:23:30

Capacity: 8000.00 psig

Last Calib.:

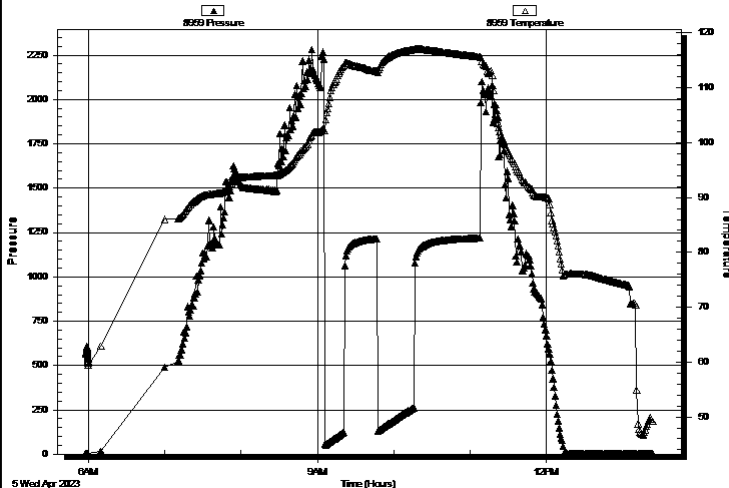
2023.04.05

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-B.O.B (11 inches) @ 11 mins (blow built to 14 1/2")
25-ISI-Surface return @ 14 mins maintained surface blow
30-FF-B.O.B @ 15 mins (blow built to 25")
50-FSI-No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
250.00	SW w/Oil scum 100%W	3.51
270.00	MCW 30%M, 70%W	3.79

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co

22-16-35 Wichita, KS

202 W. Main St.
Salem, IL 62881

WGM Comm #1-22

Job Ticket: 70210

DST#: 2

ATTN: Vern Schrag

Test Start: 2023.04.05 @ 05:58:00

Tool Information

Drill Pipe:	Length:	4259.00 ft	Diameter:	3.80 inches	Volume:	59.74 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	56000.00 lb
					Total Volume:	59.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		23.00 ft					String Weight: Initial	48000.00 lb
Depth to Top Packer:		4269.00 ft					Final	50000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		21.00 ft						
Tool Length:		54.00 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		4237.00	
Shut In Tool	5.00		4242.00	
Hydraulic tool	5.00	1113	4247.00	
Jars	5.00	01-07	4252.00	
EM Tool	5.00		4257.00	
Safety Joint	3.00	-001	4260.00	
Packer	5.00		4265.00	33.00 Bottom Of Top Packer
Packer	4.00		4269.00	
Stubb	1.00		4270.00	
Recorder	0.00	8959 Inside	4270.00	
Recorder	0.00	8734 Outside	4270.00	
Perforations	15.00		4285.00	
Bullnose	5.00		4290.00	21.00 Bottom Packers & Anchor

Total Tool Length: 54.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co

22-16-35 Wichita, KS

202 W. Main St.
Salem, IL 62881

WGM Comm #1-22

Job Ticket: 70210

DST#: 2

ATTN: Vern Schrag

Test Start: 2023.04.05 @ 05:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 12000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	SW w /Oil scum 100%W	3.507
270.00	MCW 30%M, 70%W	3.787

Total Length: 520.00 ft Total Volume: 7.294 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

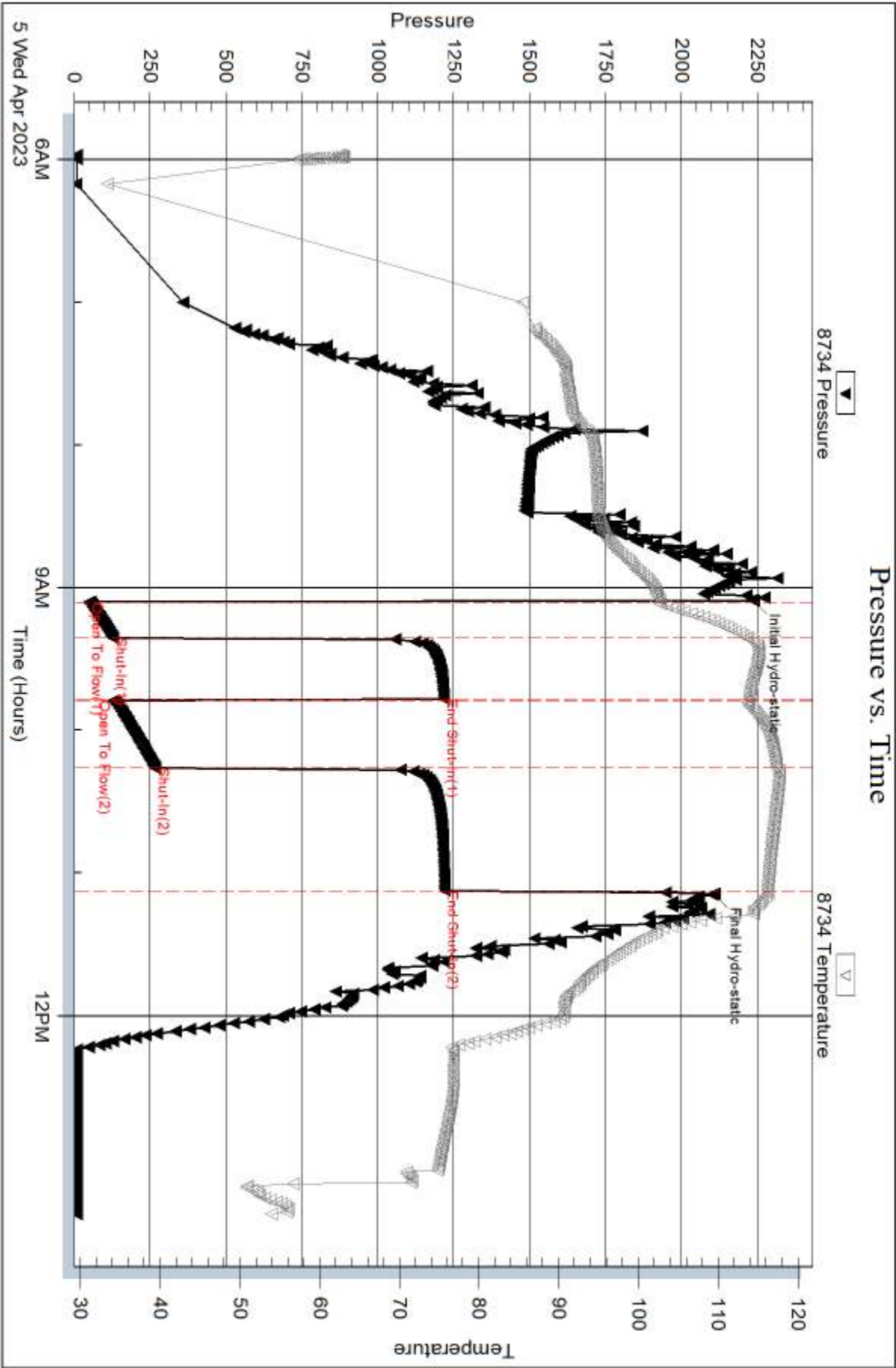
Recovery Comments: .890 @ 44.5 degs = 12,000PPM

Serial #: 8734

Outside Shakespeare Oil Co

WGM Comm #1-22

DST Test Number: 2



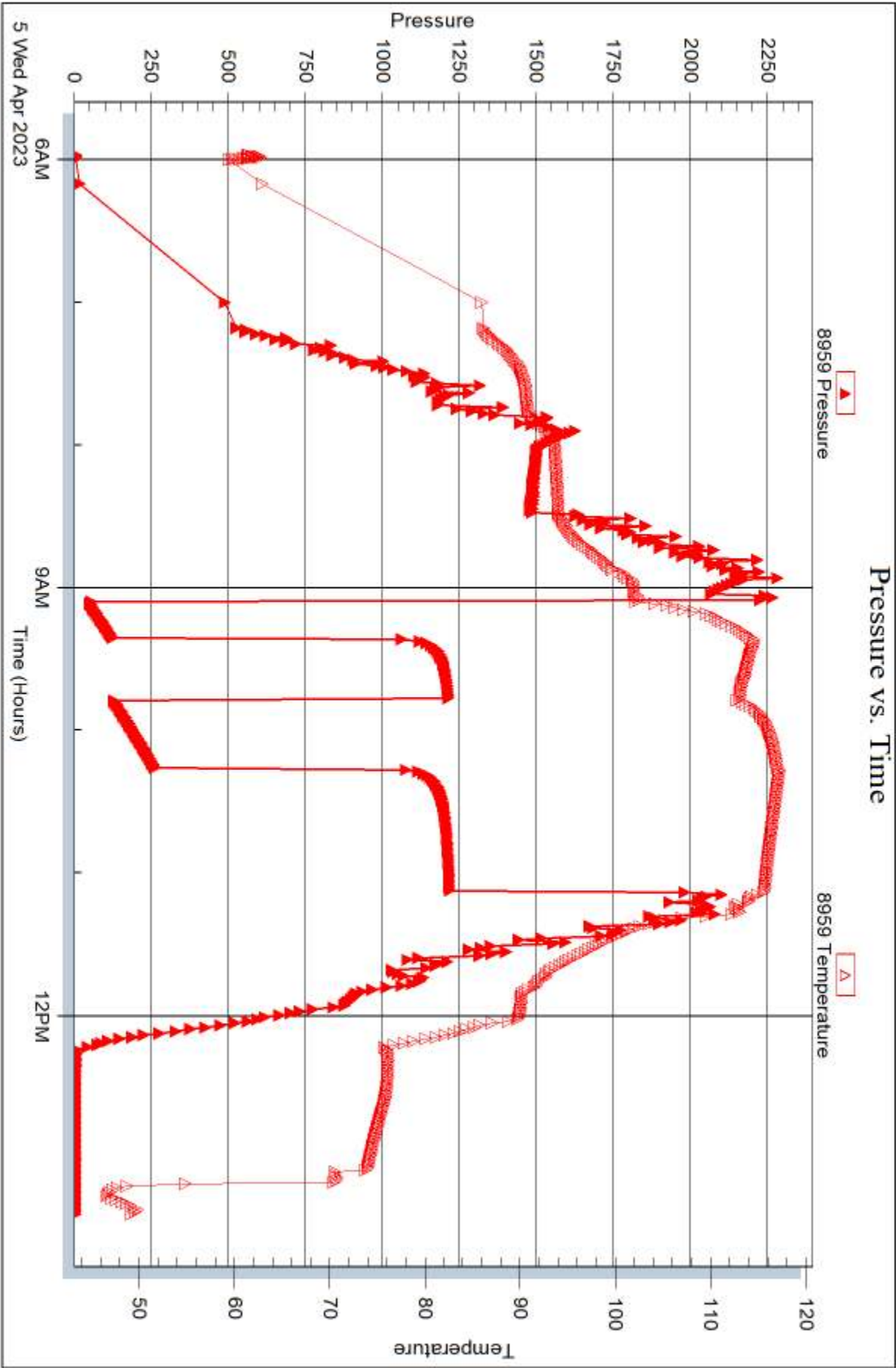
Serial #: 8959

Inside

Shakespeare Oil Co

WGM Comm #1-22

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70209**

Well Name & No. WGM Comm #1-22 Test No. 1 Date 4-4-23
 Company Shakespeare Oil Co INC Elevation 3205 KB 3195 GL
 Address 202 W. Main St. Salem, IL 62981
 Co. Rep / Geo Vern Schrag Rig Southwind #8
 Location: Sec. 22 Twp 16 Rge. 35 Co. Wichita State KS

Interval Tested 4010-4125 Zone Tested Lansing
 Anchor Length 115' Drill Pipe Run 4004 Mud Wt. 9.2
 Top Packer Depth 4005 Drill Collars Run — Vis 60
 Bottom Packer Depth 4010 Wt. Pipe Run — WL 7.2
 Total Depth 4125 Chlorides 2200 ppm System LCM 2#

Blow Description IF - Blow built to 8 1/2"
ISI - No return
FF - B.O.B (11 inches) @ 24 mins (blow built to 13 1/2")
FSI - No return

Rec <u>280</u>	Feet of <u>MCW</u>	%gas	%oil <u>75</u>	%water <u>25</u>	%mud
Rec <u>0</u>	Feet of <u>0.7 spots in tool</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 280 BHT 108 Gravity — API RW .67 @ 49.5 °F Chlorides 14,500 ppm
 Initial Hydrostatic 2035 ☒ Test 1950 ☐ Ruined Shale Packer
 Initial Flow 37 to 91 ☒ Jars 300 ☐ Ruined Packer
 Initial Shut-In 1098 ☐ Circ Sub ☐ Hotel
 Final Flow 89 to 161 ☐ Hourly Standby ☒ EM Tool Successful
 Final Shut-In 1076 ☒ Mileage 66 RT 115.50 ☐ Accessibility
 Final Hydrostatic 2043 ☐ Sampler ☐ Gas Sample
 T-On Location 06:05 ☐ Straddle ☐ Sub Total 0
 Initial Flow 15 T-Started 07:35 ☐ Shale Packer ☐ Total 2365.50
 Initial Shut-In 30 T-Open 09:46 ☐ Extra Packer ☐ Tool Loaded @
 Final Flow 30 T-Pulled 11:31 ☐ Extra Recorder ☐ MP/DST Disc't
 Final Shut-In 30 T-Out 13:22 ☐ Day Standby 2365.50
 Comments

Approved By _____ Our Representative Mattie Salinas

TriLOBITE Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70210**

Well Name & No. WGM Comm #1-22 Test No. 2 Date 4-5-23
 Company Shakespeare Oil Co. INC Elevation 3205 KB 3195 GL
 Address 202 W. Main St. Salem, IL 62881
 Co. Rep / Geo Vern Schrag Rig Southwind #8
 Location: Sec. 22 Twp 16 Rge. 35 Co. Wichita State KS.

Interval Tested 4269-4290 Zone Tested (KC 3)
 Anchor Length 21' Drill Pipe Run 4259 Mud Wt. 9.3
 Top Packer Depth 4264 Drill Collars Run — Vis 65
 Bottom Packer Depth 4269 Wt. Pipe Run — WL 8.0
 Total Depth 4290 Chlorides 3800 ppm System LCM 2#

Blow Description IF - B.O.B (11 inches) @ 11 mins (blow built to 14 1/2")
ISI - Surface return @ 14 mins maintained surface blow
FF - B.O.B @ 15 mins (blow built to 25")
FSI - No return.

Rec <u>250</u>	Feet of <u>SW w/oil scum.</u>	%gas	%oil <u>100</u>	%water	%mud
Rec <u>270</u>	Feet of <u>MCW</u>	%gas	%oil <u>70</u>	%water <u>30</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 520 BHT 116 Gravity — API RW .890 @ 44.5 °F Chlorides 12,000 ppm
 Initial Hydrostatic 2238 ☒ Test 1950 ☐ Ruined Shale Packer
 Initial Flow 49 to 128 ☒ Jars 300 ☐ Ruined Packer
 Initial Shut-In 1218 ☐ Circ Sub ☐ Hotel
 Final Flow 129 to 267 ☐ Hourly Standby ☒ EM Tool Successful
 Final Shut-In 1221 ☒ Mileage 66 RT X 2 115.50 ☐ Accessibility
 Final Hydrostatic 2108 ☐ Sampler 115.50 ☐ Gas Sample
 T- On Location 05:45 ☐ Straddle ☐ Sub Total 1600
 Initial Flow 15 T-Started 05:58 ☐ Shale Packer ☐ Total 4081
 Initial Shut-In 25 T-Open 09:05 ☐ Extra Packer ☒ Tool Loaded 4-7-23 @ 15:45
 Final Flow 30 T-Pulled 11:05 ☐ Extra Recorder ☐ MP/DST Disc't
 Final Shut-In 50 T-Out 13:23 ☒ Day Standby X 2 2d 1.25h
 Comments

Approved By _____ Our Representative Martin Salmer

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