

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	BLOOM 3-22
Doc ID	1776757

All Electric Logs Run

Neutron/Density
Dual Induction
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	BLOOM 3-22
Doc ID	1776757

Tops

Name	Top	Datum
Andydrite	2475	+485
Heebner	3955	-995
Lansing	4000	-1040
Muncie Creek	4130	-1170
Stark Shale	4218	-1258
Hushpuckney	4252	-1292
Pawnee	4399	-1439
Johnson	4536	-1576
Mississippian	4563	-1603

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	BLOOM 3-22
Doc ID	1776757

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	4029	4032			250 gal 15% MCA
4	4043	4046			250 gal 15% MCA
4	4064	4068			250 gal 15% MCA
4	4071	4076			250 gal 15% MCA
4	4134	4137			250 gal 15% MCA
4	4442	4448			500 gal 15% MCA
4	4542	4546			250 gal 15% MCA

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	BLOOM 3-22
Doc ID	1776757

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	236	Class A	170	2% gel, 3% cc
Production	7.875	4.5	11.6	4613	EA-2	195	5% Calseal, 10% salt, 1% Halad 322, 7#/sx Gilsonite & 1/8#/sx Floseal



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

Invoice

DATE	INVOICE #
3/12/2024	36515

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

RECEIVED
MAR 21 2024

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3-22	Bloom	Gove	Duke Rig #4	Oil	Development	Cement Surface	Jonathan
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	8.00	640.00
576D-S	Pump Charge - <u>Shallow Surface (< 500 Ft.)</u>				1	Job	1,250.00	1,250.00
290	D-Air				5	Gallon(s)	45.00	225.00T
325	Standard Cement				170	Sacks	17.50	2,975.00T
278	Calcium Chloride				8	Sack(s)	55.00	440.00T
279	Bentonite Gel				6	Sack(s)	30.00	180.00T
581D	Service Charge Cement				170	Sacks	2.00	340.00
583D	Drayage				667.2	Ton Miles	1.00	667.20
	Subtotal							6,717.20
	Sales Tax Gove County						8.50%	324.70
We Appreciate Your Business!							Total	\$7,041.90

DW



Services, Inc.

CHARGE TO: Shakespeare Drilling RECEIVED

TICKET 36515

ADDRESS

Shakespeare Drilling

MAR 21 2024

CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS

WELL/PROJECT NO.

LEASE

COUNTY/PARISH

STATE CITY

DATE

OWNER

1. Hays, KS

3-22

Blasum

Coble

KS

03/12/24

Sam

2. Ness City, KS

Duke Drilling

Rig 4

CT

Location

Order No.

Well Location

3. Well Type

Drilling

Development

Cement Surface

Well Permit No.

Well Location

4. Referral Location

Invoice Instructions

Job Purpose

Cement Surface

Well Permit No.

Well Location

PRICE REFERENCE

SECONDARY REFERENCE/ PART NUMBER

ACCOUNTING LOC ACCT DF

DESCRIPTION

QTY. U/M

UNIT PRICE

AMOUNT

575

1

MILEAGE

\$113

80 mi.

8.00

640.00

5765

1

Shallow Surface - Pump Charge

D-41

1 EA

1750.00

1750.00

290

1

D-41

5 gal

45.00

225.00

325

2

Standard Cement

170 SKS

17.00

2940.00

278

2

Calcium Chloride

8 SKS

55.00

440.00

279

2

Bentonite Gel

60 SKS

30.00

1800.00

581

2

Service Charge Cement

170 SKS

2.00

340.00

583

2

Dayage

4667.27 M

1.00

4667.27

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.

DATE SIGNED

TIME SIGNED

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

REMIT PAYMENT TO:

DATE SIGNED

TIME SIGNED

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

DATE SIGNED

TIME SIGNED

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

785-798-2300

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DATE SIGNED

TIME SIGNED

SWIFT SERVICES, INC.

P.O. BOX 466

NESS CITY, KS 67560

785-798-2300

785-798-2300

785-798-2300

Thank You!

SWIFT Services, Inc.

DATE _____

PAGE NO.

03/12/24

4

CUSTOMER

Shakespeare Oil Co

WELL NO.

3-22

LEASE

Bloom

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

Surface

TICKET NO.

36515

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2230							On location, Rig Conditioning Hole. Set up trucks.
								225' of 8 5/8" x 23#, 11' Landing JT Set at 236'
	2345							Start Casing
	0030							Break Circulation
	0050							Hook up to Swift
	0100	3	5				300	Pump Water ahead
		4					300	Start Cement
		4	42					Finish Cement, Start Displacement
		4	12 1/2				350	Cement Circulated to Surface
	0130	4	13 1/2				350	Finish Displacement Shut Down
								Shut in, Release truck
								Wash up
								Back up
	0150							Job Complete
								Thanks Tony, Justin, Jan

RECEIVED

MAR 21 2024

RECEIVED

~~MAR 21 2024~~

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
3/23/2024	36522

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



- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3-22	Bloom	Gove	Duke Rig #4	Oil	Development	Cement Long Str..	Jonathan
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	8.00	640.00
578D-L	Pump Charge - Long String				1	Job	1,750.00	1,750.00
290	D-Air				3	Gallon(s)	45.00	135.00T
281	Mud Flush				500	Gallon(s)	2.50	1,250.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00
419-4	4 1/2" Rotating Head Rental				1	Each	300.00	300.00T
325	Standard Cement				225	Sacks	17.50	3,937.50T
284	Calseal				21	Sack(s)	50.00	1,050.00T
283	Salt				1,200	Lb(s)	0.25	300.00T
292	Halad 322				72	Lb(s)	9.00	648.00T
277	Gilsonite (Coal Seal)				750	Lb(s)	1.75	1,312.50T
286	Halad-1 (Halad 9)				140	Lb(s)	8.00	1,120.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				974.48	Ton Miles	1.00	974.48
	Subtotal							13,917.48
	Sales Tax Gove County						8.50%	854.51
We Appreciate Your Business!							Total	\$14,771.99

DW



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 36522

CUSTOMER Shakespeare Bil

WELL Bloom 3-22

DATE 03/23/24 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE		PAGE	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M	UNIT PRICE		AMOUNT	
325		2				Standard Cement	225	SKS			17.50	3937.50	20	
284		2				Cal Seal	21	SKS			50.00	1050.00	08	
283		2				Salt	1200	lbs			0.25	360.00	08	
292		2				Halad 322	72	lbs			9.00	648.00	04	
277		2				Gilserve	750	lbs			1.75	1312.50	50	
286		2				Halad -1	146	lbs			8.00	1120.00	08	
581		2									2.00	236.00	08	
583		2									1.00	924.00	48	
CONTINUATION TOTAL														9792.00

SERVICE CHARGE
MILEAGE TOTAL WEIGHT
CHARGE 2436.2

LOADED MILES 88
TON MILES 974.48

2.00 236.00
1.00 924.00

JOB LOG

SWIFT Services, Inc.

DATE

PAGE NO.

03/25/24

1

CUSTOMER

Shakespeare Oil

WELL NO.

3-22

LEASE

Bloom

JOB TYPE

Long String

TICKET NO.

36522

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							On location rig running casing & Larsen Float Equipment TD-4624 106 Jt's Total Pipe Run - 4617' set @ 4617' Port Collar - 2447.67' Shot Jt - 42.36' Baffle Plate - 4575' 4 1/2" x 11.6 #
	1300							Break Circulation on Btm
	1400							Hook up to Swift
		2	8					Plug Rathole w/ 30 sks
		5	12			300		Pump Mud Plush
		5	20			300		Pump KCL Spacer
		5						Start Cement
		5	46			Vac		Finish Cement, Shut Down
								Washout Pump & Lines
								Drop Plug
	1450	8						Start Displacement
		7	58			600		Catch Pressure
		6	70			900		Lift PSI
	1500	6	71			1500		Land Plug
								Release Truck, Dry
								Wash up
								Rack up
	1530							Job Complete
								Thanks Jon, Justin, & Austin



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

Invoice

DATE	INVOICE #
3/29/2024	36525

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



- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3-22	Bloom	Gove		Oil	Development	Cement Port Collar	Jonathan
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	8.00	600.00
576D-D	Pump Charge - <u>Deep Surface (> 500 Ft.) & Port Collars</u>				1	Job	1,750.00	1,750.00
290	D-Air				4	Gallon(s)	45.00	180.00T
275	Cotton Seed Hulls				1	Sack(s)	40.00	40.00T
330	Swift Multi-Density Standard (MIDCON II)				250	Sacks	24.00	6,000.00T
276	Flocele				62	Lb(s)	4.00	248.00T
581D	Service Charge Cement				350	Sacks	2.00	700.00
583D	Drayage				1,306.13	Ton Miles	1.00	1,306.13
	Subtotal							10,824.13
	Sales Tax Gove County						8.50%	549.78
We Appreciate Your Business!						Total	DW \$11,373.91	

502-59

DW



Services, Inc.

CHARGE TO: Shakespeare D.I.
ADDRESS
CITY, STATE, ZIP CODE

TICKET 36525

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Hays, KS</u>	<u>3-22</u>	<u>Blom</u>	<u>Osage</u>	<u>KS</u>		<u>03/29/24</u>	<u>Same</u>
2. <u>Ness City, KS</u>	TICKET TYPE ☒ SERVICE ☐ SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE <u>D.I.</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement Port Collar</u>	<u>CT</u>	<u>Location</u>		
4.	INVOICE INSTRUCTIONS			WELL PERMIT NO.	WELL LOCATION		

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M	U/M		
575		1			MILEAGE #113	75	mi		8.00	600.00
576D		1			Pump Charge - Port Collar	1	EA		1750.00	1750.00
290		1			D-Air	4	gal		45.00	180.00
275		1			Cotton Seed Hulls	1	SK		48.00	48.00
336		2			Swift Multi Density Std	250	SKS		24.00	6000.00
276		2			Fleecle	62	lbs		4.00	248.00
581		2			Service Charge Cement	350	SKS		2.00	700.00
583		2			Drayage	1332.66	TM		1.00	1332.66

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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	PAGE TOTAL	TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				10,824.13	11373.91
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					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR	APPROVAL
<u>[Signature]</u>	<u>[Signature]</u>

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE

03/29/24

PAGE NO.

1

CUSTOMER

Shakespeare Oil

WELL NO.

3-22

LEASE

Bloom

JOB TYPE

Port Collar

TICKET NO.

36525

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1050							On location, set up trucks, wait on water 2 3/8" x 4 1/2" P.C. - 2447'
	1140					1500		Test P.C. - Held Open P.C. - Verify Blowing
		3	5				350	Hook up to tubing
	1155	3 1/2				400		Start Cement Mix at 11.2 #
		3 1/2	7			400		Catch Circulation
		3 1/2	125			550		Cement Circulating, Raise wt to 14 #
		3 1/2	135			600		Finish Cement Start Displacement
		3 1/2	8 1/2			650		Finish Displacement Shut down Shut in Close P.C.
						1500		Test P.C. - Held Release Pressure Run 5 JTs
	1300	3	25			300		Reverse Out, 2 Flags Clean, Wash up truck Rack up
	1330							Job Complete
								Thanks Jon, Justin, Austin
								250 SKS Total 20 SKS to pit.



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: BLOOM
Well Id: #3-22
Location: 2125' FSL, 2390' FEL, SE/4 Sec 22-T11S-R31W, Gove County, Kansas
License Number: API: 15-063-22440 **Region:** Gove County
Spud Date: 03/12/2024 **Drilling Completed:** 03/22/2024
Surface Coordinates: NAD83
Lat: 39.0820768, Long: -100.7476252
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 2951' **K.B. Elevation (ft):** 2960'
Logged Interval (ft): 3750' **To:** RTD **Total Depth (ft):** 4620'
Formation: Mississippian at RTD
Type of Drilling Fluid: Chemical

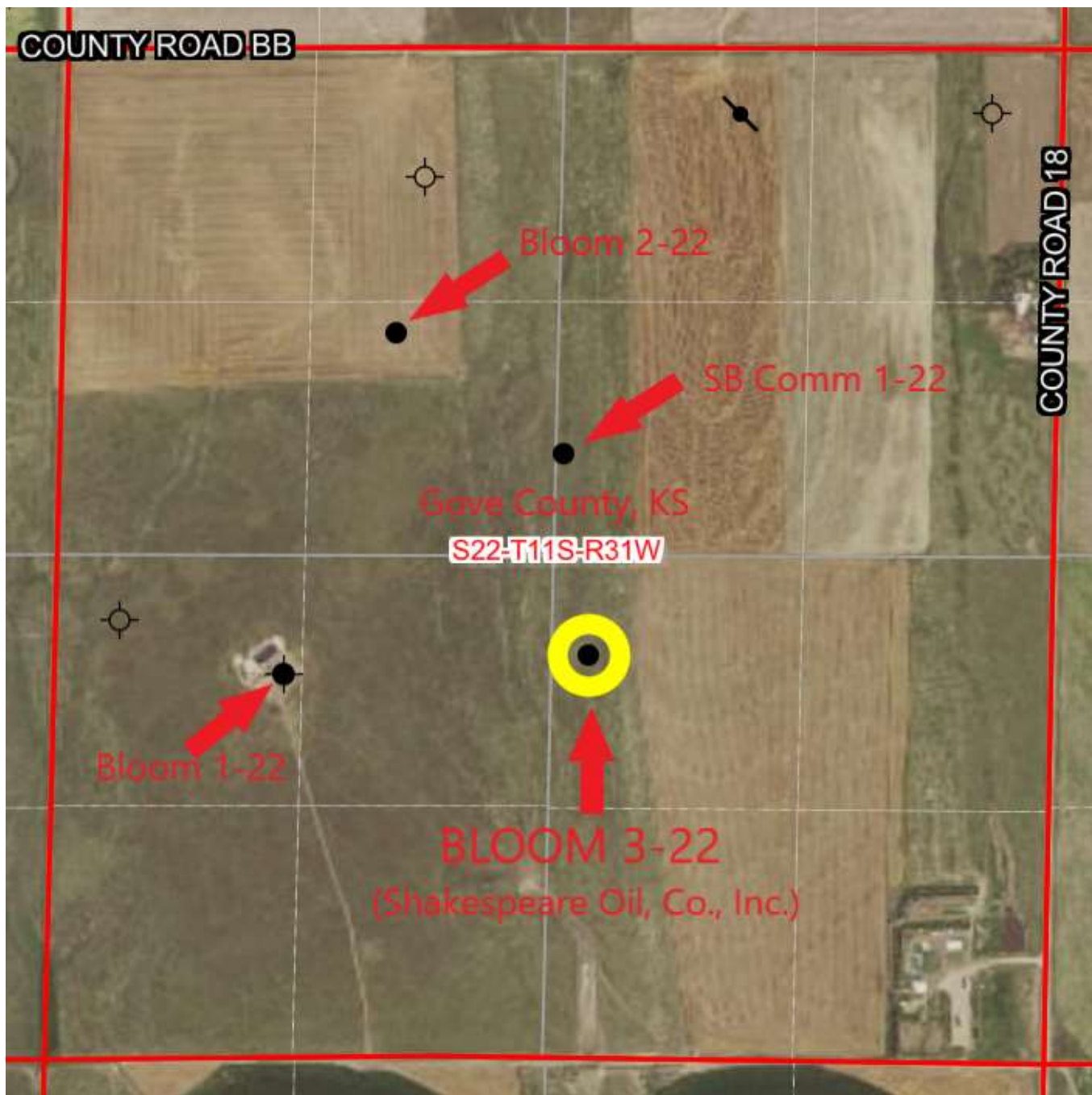
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: SHAKESPEARE OIL COMPANY, INC.
Address: 202 West Main Street
Salem, IL 62881
618-548-1585

WELLSITE GEOLOGIST

Name: Kent R. Matson
Company: Matson Geological Services, LLC
Address: 33300 W. 15th Street S.
Garden Plain, Kansas 67050
316-644-1975; kent4m@hotmail.com



COMMENTS

Shakespeare Oil Company, Inc., Geologist: Toby Eck, 316-305-0572 (cell).

Contractor: Duke Drilling Company, Inc.: Rig #4.

Tool Pusher: Hector Torres, 620-682-3927 (cell).

Surface Casing: 8 5/8" set at 236' (KB) w/170sx cement.

Production Casing: Based on field observations of drill cuttings, DST results and electric log evaluation, 4.5" production casing was installed.

Mud by: Mud-Co/Service Mud, Inc., Reid Atkins, 785-694-3741 (cell) and Gary Schmidtberger, 785-259-2757.

DST's by: Trilobite Testing, Bradley Walter (Walt), 785-623-1407 (cell).

Logs by: ELI Wireline (DI w/GR, CND, Micro, Sonic), Jeff Luebbers, 785-735-7112 (office).

RTD= 4620'

LTD= 4620'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Oread	3912'	-952	3911'	-951
Heebner Shale	3956'	-996	3956'	-996
Lansing	4000'	-1040	4000'	-1040
Muncie Creek Shale	4128'	-1168	4130'	-1170
Stark Shale	4218'	-1258	4218'	-1258
Hushpuckney Shale	4253'	-1294	4252'	-1293
Base of KC	4276'	-1316	4276'	-1316
Marmaton	4323'	-1363	4322'	-1362
Pawnee	4398'	-1438	4399'	-1439
Myrick Station	4440'	-1480	4442'	-1482
Fort Scott	4466'	-1506	4468'	-1508
Cherokee Shale	4494'	-1534	4494'	-1534
Johnson	4536'	-1576	4536'	-1576
Mississippian	4561'	-1601	4563'	-1603
Spergen Dolo	4617'	-1657	NA	NA
RTD	4620'	-1660		
LTD			4620'	-1660

ROCK TYPES

LITHOLOGY

	Anhy
	Cht
	Coal
	Congl
	Dol
	Gyp
	Lmst
	Salt
	Shale
	Shcol
	Shgy
	Sltst
	Ss
	Carb sh
	Dol
	Dtd
	Gry sh
	Sandy lms
	Shale
	Sltstn
	Shlyslts



Sltys
Sdy dolo
Silty dolo
Shy dolo
Shaly ls

FOSSIL



Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Gastro
Oolite

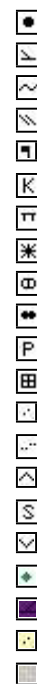


Ostra
Pelec
Pellet
Pisolite
Plant
Strom
Fuss
Oomold

MINERAL

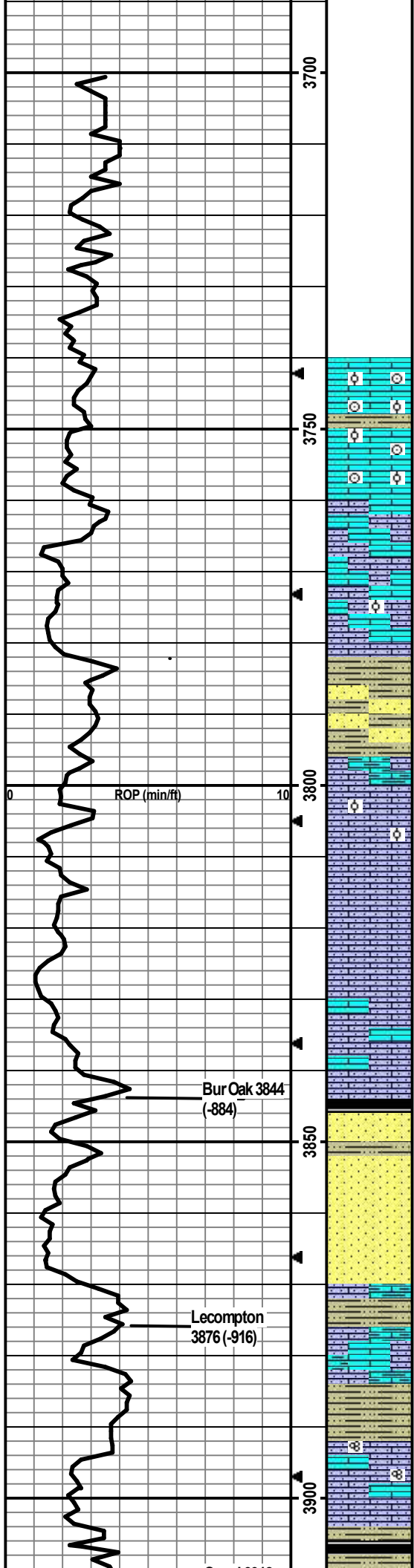


Anhy
Arggrn
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chtdk
Chtlt
Dol
Feldspar



Ferrpel
Ferr
Glau
Gyp
Hvymin
Kaol
Marl
Minxl
Nodule
Phos
Pyr
Salt
Sandy
Silt
Sil
Sulphur
Tuff
Chlorite
Dol
Sand
Slt

Rate of Penetration (ROP) ROP (min/ft)		DEPTH	Lithology	CFS Point	Oil Shows	Geological Descriptions	Remarks
0	ROP (min/ft)	10	35			Morning Report Depth/Activity (7:00 am) 03/12/2024: MIRU. Spud, set surface casing @ 236' KB. 03/13: WOC @ 236'. 03/14: Drilling @ 2190'. 03/15: Drilling @ 3525'. 03/16: Drilling @ 3935'. 03/17: Laying down tool after DST#1 @ 4038'. 03/18: CFS @ 4090'. 03/19: TOH w/tool for DST#3 @ 4210'. 03/20: Laying down test tool after DST#4 @ 4316'. 03/21: TOH w/bit for DST#5 @ 4448'. 03/22: Drilling @ 4545'; TD @ 4620'; Electric logged.	Mud-Co/Service Mud Inc. Check #1 @ 0' 03/12/24, predrilling instructions. Mud-Co/Service Mud Inc. Check #2 @ 2400' 03/14/24 09:20am wt vis pH chl 8.8 31 7 16000 Filt LCM n/c 6 Displaced drilling mud @ 3490'. Mud-Co/Service Mud Inc. Check #3 @ 3615' 03/15/24 08:30am wt vis pH chl 8.7 67 11.0 1200 Filt LCM 6.4 5 Bit Trip @ 3677' conn; replaced PDC bit with Tricone Button bit. Pipe strap TOH for Bit Trip @ 3677' was 2.12' long to board. Mud-Co/Service Mud Inc. Check #4 @ 3960' 03/16/24 08:15am wt vis pH chl 9.0 52 11.0 1200 Filt LCM 5.8 3 Mud-Co/Service Mud Inc. Check #5 @ 4038' 03/17/24 08:40am wt vis pH chl 9.2 64 10.5 2000 Filt LCM 7.2 3 Mud-Co/Service Mud Inc. Check #6 @ 4115' 03/18/24 09:35am wt vis pH chl 9.2 61 10.0 3000 Filt LCM 8.8 3 Mud-Co/Service Mud Inc. Check #7 @ 4226' 03/19/24 11:00am wt vis pH chl 9.3 67 10.5 3200 Filt LCM 8.0 3 Mud-Co/Service Mud Inc. Check #8 @ 4316' 03/20/24 11:10am wt vis pH chl 9.4 71 10.5 3500 Filt LCM 8.8 3 Mud-Co/Service Mud Inc. Check #9 @ 4448' 03/21/24 08:30am wt vis pH chl 9.3 59 11.0 3000
			3550			Anhydrite: Drill Time (ROP) Top @ 2471' (+489), Base @ 2501' (+459). E-Log Top @ 2475' (+485), Base @ 2500' (+460).	
0	ROP (min/ft)	10	3600				
			3650			Geologist on location @ 3684', 03/15/2024. ROP Data begins @ 3700' on 03/15/2024. Recorded from drillers geolograph record, and geologist's auto-reader switch on geolograph.	



Formation tops and lithologies have been adjusted to correlate to the electric log.

Oil Shows indicator: Left Block 0-10 tray pcs w/show, Middle Block 10-20 tray pcs w/show, Right Block 20+ tray pcs w/show.

NOTE: RED TEXT INDICATES THE PRESENCE OF OIL.

Drill cutting samples at 10' intervals start at 3750'.

LS: wht/crm/lt yel, micro-m xtal, chalky, foss frags/crin/ool, no vis por, no odor, ns.

LS: wht/crm/lt bm/min lt yel, micro-m xtal, chalky, foss frags/crin/ool/grainy,
no vis por, no odor, ns.

LS: wht/crm/min lt gry, micro-m xtal, some sndy, foss frags/grainy, some vf-f in-xtal por, no odor, ns.

LS: wht/crm/min lt brn/min lt gry, micro-m xtal, some chalky, some silty/sndy, foss frags/some dense ool/grainy, no vis por, no odor, ns.

SH: lt-m gry/lt-m red-bm, vry silty/sndy, carb, soft-firm. SS: lt gry, pred qtz, vf-f, sr-wr, arg, carb, friable, no odor, ns.

LS: crm, vf-m xtal, silty/sndy, chalky, foss frags/grainy, no vis por, no odor, ns.

LS: wht/crm, vf-m xtal, sndy, chalky, foss frags/ool/grainy, no vis por, no odor, ns.

LS: wht/crm, vf-m, smpl vry chalky, sndy, foss frags/grainy, some ppt-vf
in-xtal por, no odor, ns.

LS: as above, no odor, ns.

LS: crm, vf-m xtal, chalky, some sndy, foss frags, no vis por, no odor, ns.

SH: dk gry/blk, silty, slt carb, firm. SS: lt-m gry, vf-f, sr-wr, pred qtz, some arg, carb, friable, no odor, ns.

SS: lt-m gry/lt red-bm, vf-f, sr-wr, pred qtz, arg, slt carb, friable, no odor, ns.

SS: lt-m gry/lt-m red-bm, vf-f, sr-wr, pred qtz, vry arg, slt carb, friable, no odor, ns.

LS: wht/cml/min lt gry, micro-m xtal, some silty/sndy/arg, chalky, foss frags/fusln, no vis por, no odor, ns.

LS: cm/lt-m bm/lt-m gry-bm, vf-m xtal, some silty/sndy/arg, chalky, foss frags/min ool/some grainy, no vis por, no odor, ns.

LS: cm/lt gry, vf-m xtal, min chalky, some silty/sndy, foss frags/fusln, min vf-f in-xtal por, no odor, ns.

LS: cm/lt brn/min lt gry, vf-m, some silty/sndy, some chalky, foss frags/fusln, min ppt-f in-xtal por, no odor, ns.

Min SH: lt-dk gry, silty, slt carb, soft.

Filt LCM
7.2 4

Mud-Co/Service Mud Inc. Check
#10 @ 4554' 03/22/24 08:50am
wt vis pH chl
9.3 52 10.5 2500
Filt LCM
8.0 3

Survey Record

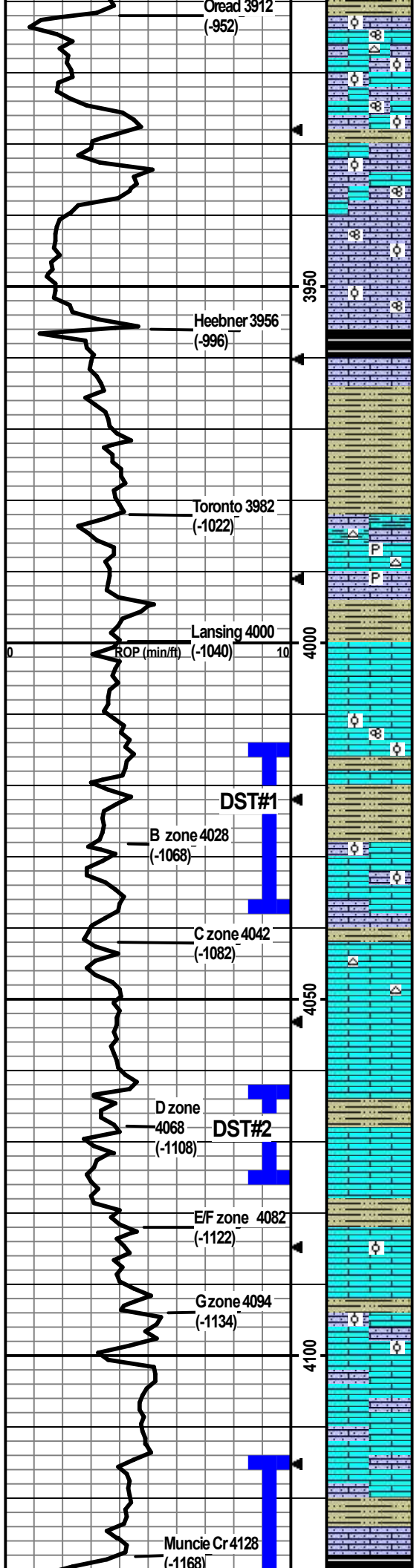
Deg @ Ft

0.50 @ 236'

0.50 @ 2085'

0.50 @ 3679'

0.75 @ 4620'



LS: cm/lt bm, vf-m xtal, min chalky, min silty/sndy, wht/crm chert, foss frags/fusln/abund ool, f-m oo-castic por, no odor, ns.

LS: cm/lt bm/lt gry, vf-m xtal, min chalky, some silty/sndy, foss frags/fusln/ool, some dk gry/bm ool, min vf-f in-xtal por, no odor, ns.

LS: cm/lt bm/lt gry, vf-m xtal, some vry silty/sndy, some chalky, foss frags/min fusln/ool, min vf-f in-xtal por, no odor, ns.

LS: cm/lt gry, vf-m xtal, silty/sndy, chalky, foss frags/min fusln/fn ool, min vf-f in-xtal por, no odor, ns.

SH: dk bm-gry/blk, silty, carb, firm.

LS: cm/lt gry, micro-f xtal, some silty/sndy, some chalky, foss frags, no vis por, no odor, ns.

SH: lt-m gry, silty, carb, soft-firm.

SH: lt-dk gry/lt-m bm, vry silty/sndy, carb, soft-firm.

LS: cm/lt gry, micro-m xtal, min chalky, some silty/sndy, min arg, wht/crm chert, some pyritic, foss frags, 10 pcs w/sfo w/vf-m in-xtal por, dul yel fluor, no odor, sfo.

LS: cm/lt gry, micro-f xtal, min chalky, min pyritic, some silty, foss frags, no vis por, no odor, ns.

SH: lt-m gry, some silty, carb, soft-firm.

LS: wht/crm/min lt gry, micro-f xtal, some chalky, min foss frags, no vis por, no odor, ns.

LS: wht/crm/min lt gry, micro-m xtal, some chalky, foss frags/fusln/ool, no vis por, no odor, ns.

SH: lt-dk gry/red-bm/dk gry-green, silty, carb, soft-firm.

LS: wht/crm/lt bm, micro-m xtal, some chalky, some silty, foss frags/fn-m ool, 5-10% of smpl w/sfo, ppt-m in-xtal/in-ool por, dul yel fluor, gd odor, gd sfo.

LS: same as above, 13 pcs w/sfo, ppt-m in-xtal/in-ool por, dul-brite yel fluor, silt odor, sfo.

LS: cm/min lt gry, micro-f xtal, some chalky, wht/crm chert, min foss frags, no vis por, no odor, ns.

LS: cm/min lt bm/min lt gry, micro-m xtal, some chalky, min foss frags, no vis por, no odor, ns.

SH: lt-dk gry/m-dk red-bm, silty, carb, soft-firm.

LS: cm/lt bm, micro-m xtal, some vry chalky, foss frags/some grainy, 45 pcs w/sfo w/ppt-m in-xtal por, dul-brite yel fluor, gd odor, gd sfo.

SH: lt-m gry/red-bm/lt green-gry, silt silty, carb, soft.

LS: cm, micro-m xtal, some chalky, min foss frags/min dense ool, 7 pcs w/mostly lt bm staining w/min fo, vf-m in-xtal por, dul yel fluor, silt odor, sfo. 8 pcs w/some dk bm/blk tar, some crs in-xtal por in 60min.

LS: wht/crm/min lt gry, micro-m xtal, some chalky, some silty, foss frags/dense ool, no vis por, no odor, ns.

LS: wht/crm/min lt gry, micro-m xtal, some chalky, some silty, min foss frags, no vis por, no odor, ns.

LS: cm/lt-m gry, micro-m xtal, some chalky, some silty, foss frags, no vis por, no odor, ns.

SH: lt-dk gry/dk brn/dk maroon, some vry silty, carb, soft-firm.

LS: wht/crm/lt-m bm/lt gry, micro-m xtal, some vry chalky, some silty/sndy, min foss frags, 2 pcs w/staining, brite yel fluor w/stream cut, silt crush odor, ppt in-xtal por, no fo.

CFS @ 3980'
Stop/30"/60"

CFS @ 4010'
Stop/30"/60"

DST1) 4014-4038 Lansing B-zone

15/30/30/60
1st BOB at 6min; 1.75" BB.
2nd BOB at 6min; 1" BB.
IFP 34-61#
ISIP 1047#
FFP 66-116#
FSIP 996#
HP 1980-1973#
Recvd: 240' GIP, 210' GO (20%G, 80%O), 50' GOCM (20%G, 20%O, 60%M).

CFS @ 4038'
Stop/30"/60"

CFS @ 4060'
Stop/30"/60"

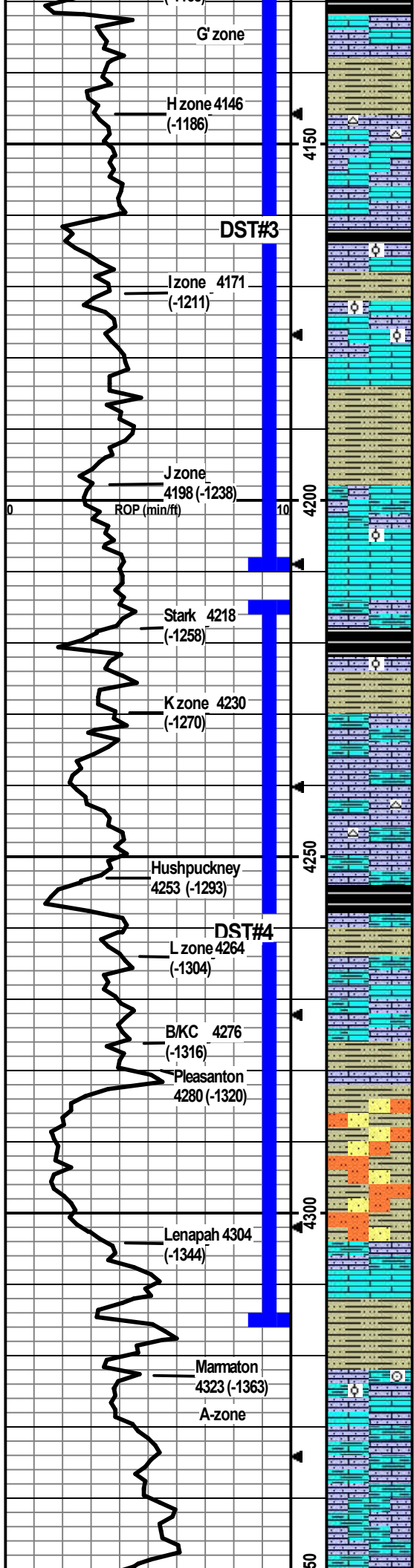
CFS @ 4075'
Stop/30"/60"

CFS @ 4090'
Stop/30"/60"

DST2) 4062-4075 Lansing D-zone

10/20/20/40
1st BOB at 3min; 3/4" BB.
2nd BOB at 3min; 1 3/4" BB.
IFP 39-58#
ISIP 530#
FFP 68-118#
FSIP 505#
HP 2009-1967#
Recvd: 130' GIP, 260' GO (30%G, 70%O), 30' GOCM (30%O, 35%G, 35%M).

DST3) 4114-4210



SH: blk, silt silty, carb, firm.

LS: cm/lt-m brn/lt gry/gry and brn mottling, micro-m xtal, some vry chalky, some vry silty, foss frags, 4 silty pcs w/sfo, yel stream cut, dul yel fluor, ppt in-xtal por, no odor, silt sfo.

SH: lt-m gry/lt green-gry, some silty, carb, soft.

LS: cm/lt brn/lt gry, micro-m xtal, some chalky, some silty/sndy, wht/lt gry/cm/lt brn chert, foss frags, 16 pcs w/sfo w/f-crs in-xtal por, dul-brite yel fluor, silt odor, sfo.

LS: cm/min lt gry/min lt gry-brn, micro-m xtal, some chalky, some silty, foss frags, 8 pcs w/mostly staining w/min sfo, v-f-crs in-xtal por, dul-brite yel fluor, no odor, sfo.

SH: lt-m gry/lt gry-green-gry/lt-m brn, some vry silty/sndy, carb, soft.

LS: wht/cm/lt brn/lt gry, micro-m xtal, some chalky, some silty, foss frags/some fn ool, 22 pcs w/mostly staining w/some sfo, ppt-m in-xtal por, dul yel fluor, no odor, sfo.

LS: cm/lt brn, micro-m xtal, some chalky, some silty, foss frags/some ool, 27 pcs w/mostly staining w/some sfo, mostly ppt-vf w/some f-m in-xtal/in-ool por, dul yel fluor, no odor, sfo.

LS: wht/cm, micro-m xtal, some chalky, foss frags/some fn ool, no vis por, no odor, ns.

SH: lt-m gry/red-brn/lt-dk brn/maroon, some silty, carb, soft.

LS: cm/lt gry/min lt brn, micro-m xtal, some silty/arg, some chalky, foss frags, 6 pcs w/staining and sfo, ppt-f in-xtal por, dul-brite yel fluor, no odor, sfo.

LS: cm/min lt brn/min lt gry, micro-m xtal, some silty/arg, some chalky, foss frags/min dense ool, 2 pcs w/por and frac staining, min ppt-vf in-xtal por, dul yel fluor, no odor, staining but no fo.

LS: cm/lt-dk brn/lt gry/mottled, micro-m xtal, some silty/arg, some chalky, foss frags, no vis por, no odor, ns.

SH: dk gry/blk, some silty, carb, firm.

LS: cm/lt-m gry-brn, vf-m xtal, silty/sndy/arg, chalky, foss frags/some dense ool, no vis por, 1 pce w/staining, no odor, nsfo.

SH: lt-dk gry/lt gry-green, some vry silty/sndy, carb, soft-firm.

LS: cm/lt-m gry, micro-m xtal, some vry silty/sndy/arg, chalky, foss frags, 17 pcs w/mostly staining w/some sfo, ppt-f in-xtal por, dul-brite yel fluor, silt odor, sfo.

LS: cm/lt gry, micro-m xtal, chalky, silty/arg, cm/lt gry/lt brn chert, foss frags, no vis por, 2 pcs wedge staining but no fo, no odor, ns.

LS: cm/lt-dk brn, micro-m xtal, some chalky, some silty/arg, foss frags, no vis por, no odor, ns.

SH: m-dk gry/blk, some silty, carb, soft-firm.

SH: m-dk gry, silty, carb, soft-firm.

LS: cm/lt-m gry, micro-m xtal, gry is silty/arg/chalky, foss frags, no vis por, no odor, ns.

LS: cm/lt gry, vf-m xtal, silty/arg, chalky, min foss frags, no vis por, no odor, ns.

SH: m-dk gry/m-dk red-brn, vry silty/sndy, carb, soft-firm. Siltstn/SS: wht/lt gry-green, vf-f, chalky, arg, carb, firm, friable, no odor, ns.

SH: lt-dk gry/lt-dk red-brn, vry silty/sndy, carb, soft-firm. Increased Siltstn/SS: lt-dk red-brn, vf-f, arg, carb, soft, friable, no odor, ns.

LS: wht/cm/lt brn/lt brn mottling, micro-m xtal, some chalky, some silty/arg, foss frags, no vis por, no odor, ns

LS: cm/min lt gry, micro-m xtal, some chalky, foss frags, 8 pcs w/sfo w/f-crs in-xtal por, dul yel fluor, gd odor, sfo.

SH: lt-dk gry/red-brn/maroon, some vry silty, carb, soft-firm.

LS: cm/lt gry/min lt brn, red-brn mottling/streaks, micro-m xtal, some silty/sndy/arg, some chalky, foss frags/min ool/min crin, 1 pce w/sfo, ppt-f in-xtal por, no fluor, no odor, silt sfo.

LS: cm/lt gry, some red-brn mottling, micro-m xtal, silty/arg, chalky, foss frags, no vis por, no odor, ns. (Smpl is flood of SH).

LS: lt gry/some wht, vf-f xtal, silty/arg, min foss frags, no vis por, no odor, ns.

Lansing G' thru J-zones

15/30/30/60

1st Blow built to 4"; No BB.
2nd Blow built to 7"; No BB.
IFP 33-33#
ISIP 861#
FFP 33-41#
FSIP 967#
HP 2040-2003#
Recvd: 70" GIP, 50' OCM (25%O, 75%M).

CFS @ 4160'
Stop/30"/60"

CFS @ 4180'
Stop/30"/60"

CFS @ 4210'
Stop/30"/60"

CFS @ 4240'
Stop/30"/60"

DST4) 4214-4316 Lansing K-zone thru Lenapah

15/30/30/60

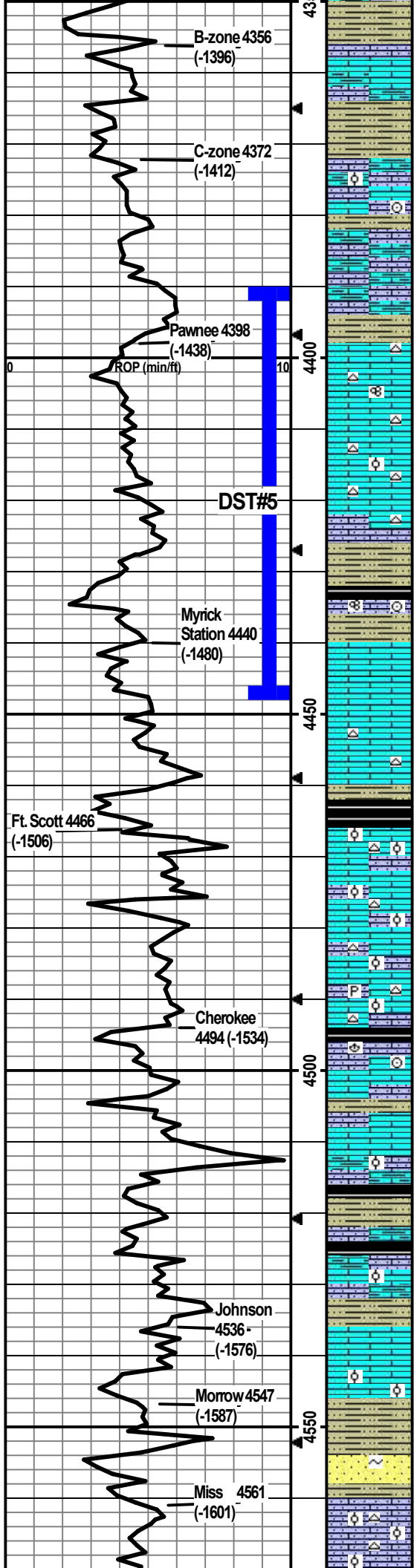
1st Blow built to 1"; No BB.
2nd Blow built to 1/4"; No BB.
IFP 32-34#
ISIP 1009#
FFP 36-39#
FSIP 1025#
HP 2098-2068#
Recvd: 45' M (100%M w/oil spots).

CFS @ 4278'
Stop/30"/60"

CFS @ 4312'
Stop/30"/60"

CFS @ 4316'
30"/60"

CFS @ 4340'
Stop/30"/60"



SH: lt-dk gry/red-bm/maroon, some vry silty, carb, soft-firm.

LS: cm/lt bm/lt gry, micro-m xtal, some chalky, some silty, foss frags, no vis por, no odor, ns

LS: wht/cm/lt gry/lt bm, micro-m xtal, some silty/arg, some chalky, foss frags, no odor, ns.

SH: lt-dk gry/lt-dk red-brn/maroon/mustard yel, some vry silty, carb, soft-firm.

LS: cm/lt bm/lt gry, micro-m xtal, some chalky, some silty/arg, foss frags/crin/dense ool, no vis por, no odor, ns.

LS: cm/lt gry, vf-m xtal, vry silty/arg, some chalky, min foss frags, no vis por, no odor, ns.

SH: lt-dk gry/min red-brn, some silty, carb, soft-firm.

LS: cm/lt bm, micro-m xtal, min chalky, wht chert, foss frags, 6 pcs w/staining/min sfo (appears washed out) w/f-crs in-xtal por, brite yel fluor, slt odor, sfo.

LS: cm/lt bm, micro-m xtal, min chalky, lt gry/lt bm chert, foss frags/min fusln, 4 pcs w/por staining, f-crs in-xtal por, brite yel fluor, slt odor, staining but fo.

LS: wht/cm/lt bm, micro-m xtal, min chalky, lt-m gry/lt bm foss chert, foss frags/some dense ool, no vis por, no odor, ns.

LS: cm/lt gry/lt-m bm, micro-m xtal, some silty, some chalky, wht/cm chert, foss frags, no vis por, no odor, ns.

SH: m-dk gry/blk, some silty, carb, soft-firm.

LS: cm/lt-m bm, micro-m xtal, some chalky, some silty, foss frags/min fusln/min crin, 6 pcs w/staining/min fo, ppt-f in-xtal por, brite yel fluor, gd odor, sfo.

LS: cm/lt gry, micro-m xtal, some chalky, foss frags, 22 pcs w/mostly staining/min fo (appears washed out), f-crs in-xtal por, brite yel fluor, gd odor, sfo.

LS: cm/lt bm, micro-m xtal, some chalky, wht/lt gry chert, foss frags, 23 pcs w/mostly staining/min fo (appears washed out), f-crs in-xtal por, brite yel fluor, gd odor, sfo.

SH: dk gry/blk, silty, carb, firm.

LS: cm/lt bm, micro-m xtal, chalky, lt bm/lt gry foss chert, foss frags/dense ool, 8 pcs w/staining/min fo, ppt-vf in-xtal por, brite yel fluor, no odor, sfo.

LS: cm/lt-m bm, micro-m xtal, some silty, some chalky, bm/gry chert (less amt), foss frags/dense ool (less amt), no vis por, no odor, ns.

LS: cm/lt bm/min lt gry, micro-m xtal, some silty, some chalky, lt-m bm chert, min pyrite, min foss frags/min dense ool, no vis por, no odor, ns.

SH: m-dk gry/blk/min dk bm, some silty, carb, soft-firm.

LS: cm/lt-m bm, micro-m xtal, some chalky, some silty, foss frags/crin/brac, no vis por, no odor, ns.

LS: cm/lt gry, micro-m xtal, some silty/sndy, some chalky, foss frags, no vis por, no odor, ns.

LS: cm/lt-m bm/min lt gry, micro-m xtal, some chalky, some silty/arg, foss frags/some dense ool, no vis por, no odor, ns.

SH: lt-dk gry/min red-brn, silty, carb, soft-firm.

SH: lt-dk gry/lt gry-green, silty, carb, soft-firm.

LS: cm/lt bm, micro-m xtal, some chalky, some silty/arg, foss frags/min dense ool, no vis por, no odor, ns.

SH: lt-dk gry, silty, carb, soft-firm.

LS: lt-m bm/min cm, micro-m xtal, some chalky, foss frags, 17 pcs w/sf/dk bm frac/por staining, f-crs in-xtal por, no fluor, no odor, sfo.

LS: cm/lt bm, micro-m xtal, some chalky, foss frags/ool, 14 pcs w/sfo/staining w/vf-crs in-xtal/in-ool por, no fluor, slt odor, sfo.

SH: lt-dk gry/maroon/red-brn/mustard yel, some vry silty/sndy, carb, soft-firm.

Few pcs SS: lt gry/lt green, vf-f, sr-wr, pred qtz, min glauc, carb, arg, some friable, no odor, ns.

LS: wht/cm/lt yel, vf-m xtal, chalky, min lt orange chert, vry sndy, foss frags/ool, min med oo-castic por, no odor, ns.

CFS @ 4370'
Stop/30"/60"

CFS @ 4390'
Stop/30"/60"

CFS @ 4420'
Stop/30"/60"

DST#5) 4390-4448

Pawnee and Myrick Station

10/15/20/30

1st BOB at 2.5min; 1/4" BB.

2nd BOB at 1min; 1" BB.

IFP 63-84#

ISIP 1178#

FFP 86-132#

FSIP 1116#

HP 2195-2117#

Recvd: 1600" GIP, 160" GMCO

(50%G, 20%M, 30%O), 100"

GMCO (45%G, 15%M, 40%O), 30'

GMCO (60%G, 10%M, 30%O).

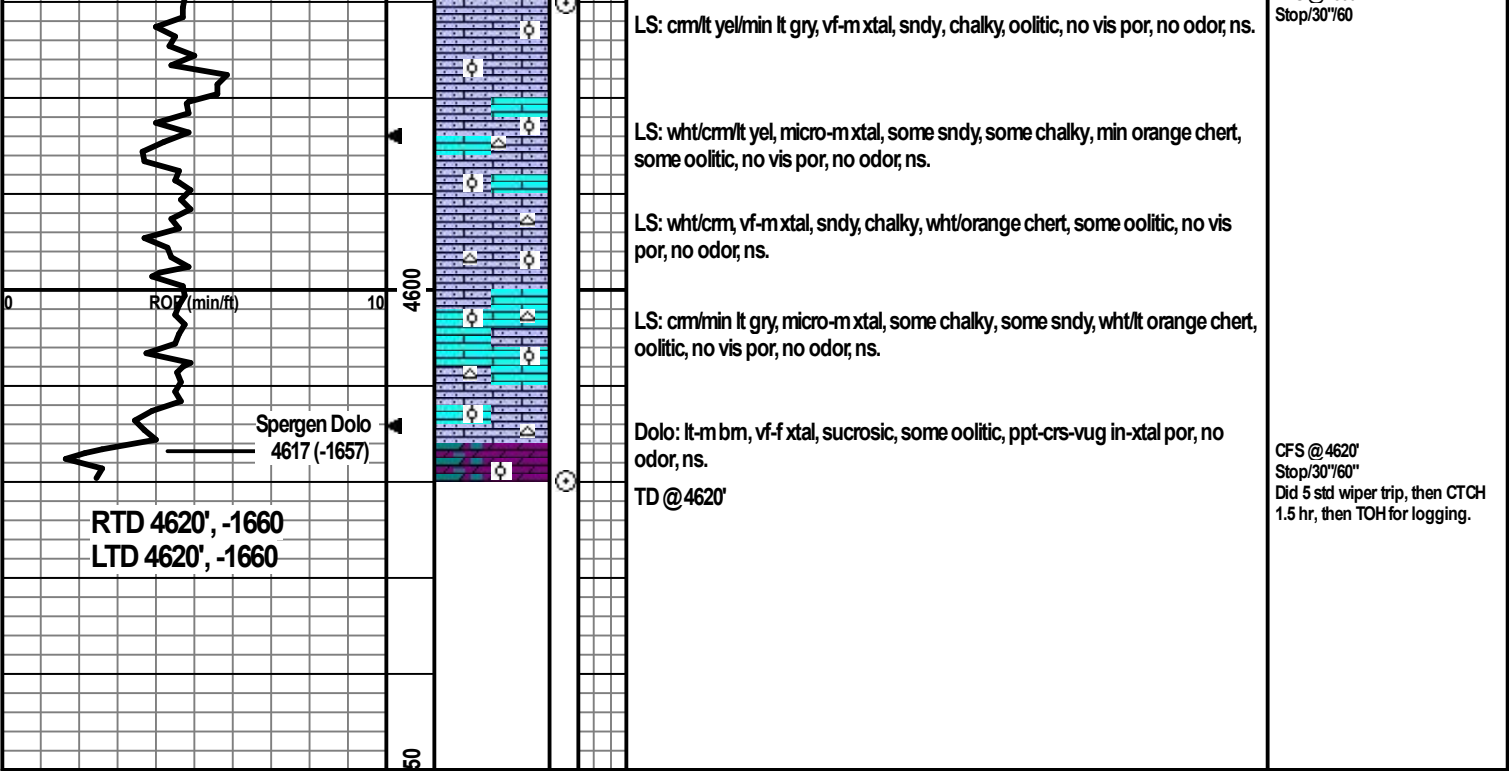
CFS @ 4448'
Stop/30"/60"

CFS @ 4480'
Stop/30"/60"

CFS @ 4510'
Stop/30"/60"

CFS @ 4545'
Stop/30"/60"

CFS @ 4560'





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 W Main
Salem, IL 62881

ATTN: Kent Matson

Bloom #3-22

22-11s-31w Gove,KS

Start Date: 2024.03.16 @ 23:10:00

End Date: 2024.03.17 @ 06:52:00

Job Ticket #: 70103 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.26 @ 11:44:00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

202 W Main
Salem, IL 62881

ATTN: Kent Matson

22-11s-31w Gove,KS

Bloom #3-22

Job Ticket: 70103

DST#: 1

Test Start: 2024.03.16 @ 23:10:00

GENERAL INFORMATION:

Formation: LKC- B

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:40:00

Time Test Ended: 06:52:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 85

Interval: 4014.00 ft (KB) To 4038.00 ft (KB) (TVD)

Total Depth: 4038.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8319 Inside

Press@RunDepth: 116.23 psig @ 4015.00 ft (KB)

Start Date: 2024.03.16

End Date:

2024.03.17

Start Time: 23:10:05

End Time:

06:51:59

Capacity: 8000.00 psig

Last Calib.: 2024.03.17

Time On Btm: 2024.03.17 @ 01:39:45

Time Off Btm: 2024.03.17 @ 04:01:30

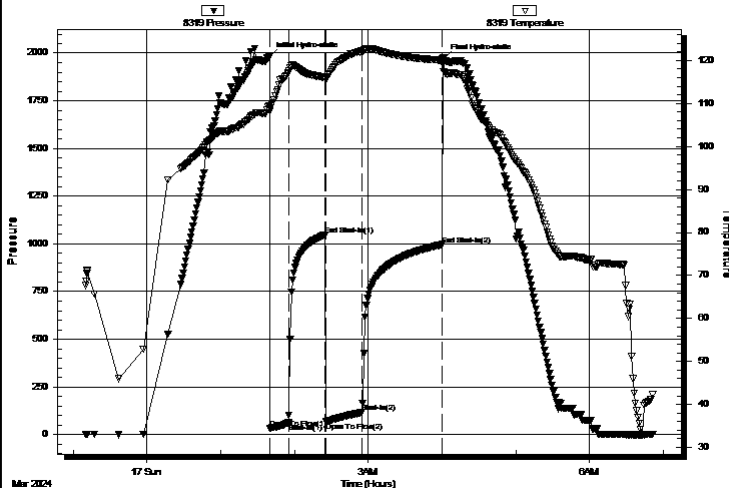
TEST COMMENT: IF: BOB @ 6 min. 21 1/2"

IS: 1 3/4" return.

FF: BOB @ 6 min. 31"

FS: 1" return. 15-30-30-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1980.45	109.35	Initial Hydro-static
1	34.04	108.23	Open To Flow (1)
16	61.14	117.23	Shut-In(1)
45	1047.44	116.08	End Shut-In(1)
46	66.42	115.51	Open To Flow (2)
75	116.23	122.32	Shut-In(2)
141	995.87	120.03	End Shut-In(2)
142	1973.36	117.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	gocm 20g 20o 60m	0.70
210.00	Go 20g 80o	2.95
0.00	240' GIP	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, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70103

DST#: 1

ATTN: Kent Matson

Test Start: 2024.03.16 @ 23:10:00

GENERAL INFORMATION:

Formation: **LKC- B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:40:00

Time Test Ended: 06:52:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 85

Interval: 4014.00 ft (KB) To 4038.00 ft (KB) (TVD)

Total Depth: 4038.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8874 Outside

Press@RunDepth: psig @ 4015.00 ft (KB)

Start Date: 2024.03.16

End Date:

2024.03.17

Start Time: 23:10:05

End Time:

06:51:44

Capacity: 8000.00 psig

Last Calib.:

2024.03.17

Time On Btm:

Time Off Btm:

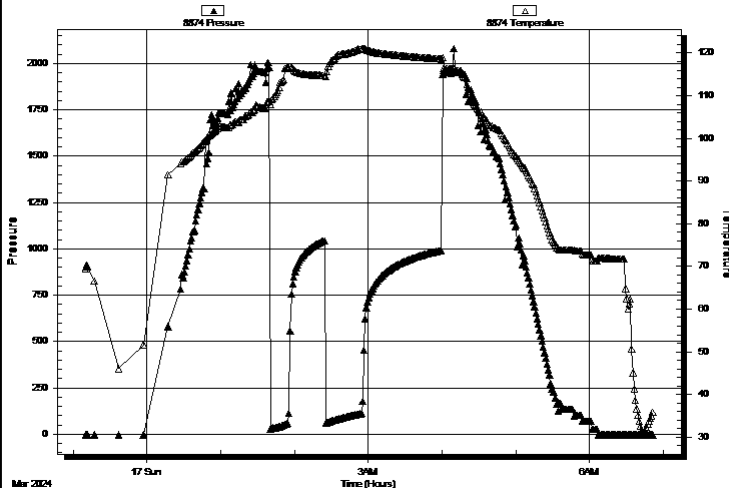
TEST COMMENT: IF: BOB @ 6 min. 21 1/2"

IS: 1 3/4" return.

FF: BOB @ 6 min. 31"

FS: 1" return. 15-30-30-60

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
50.00	gocm 20g 20o 60m	0.70
210.00	Go 20g 80o	2.95
0.00	240' GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70103

DST#: 1

ATTN: Kent Matson

Test Start: 2024.03.16 @ 23:10:00

Tool Information

Drill Pipe:	Length:	3996.00 ft	Diameter:	3.80 inches	Volume:	56.05 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	56.05 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft						String Weight: Initial	52000.00 lb
Depth to Top Packer:	4014.00 ft						Final	54000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	24.00 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

Change Over Sub	1.00			3985.00		
Shut In Tool	5.00			3990.00		
Hydraulic tool	5.00			3995.00		
Jars	5.00			4000.00		
EM Tool	3.00			4003.00		
Safety Joint	2.00			4005.00		
Packer	5.00			4010.00	30.00	Bottom Of Top Packer
Packer	4.00			4014.00		
Stubb	1.00			4015.00		
Recorder	0.00	8319	Inside	4015.00		
Recorder	0.00	8874	Outside	4015.00		
Perforations	20.00			4035.00		
Bullnose	3.00			4038.00	24.00	Bottom Packers & Anchor

Total Tool Length: 54.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70103

DST#: 1

ATTN: Kent Matson

Test Start: 2024.03.16 @ 23:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.58 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

35 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	gocm 20g 20o 60m	0.701
210.00	Go 20g 80o	2.946
0.00	240' GIP	0.000

Total Length: 260.00 ft

Total Volume: 3.647 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8319

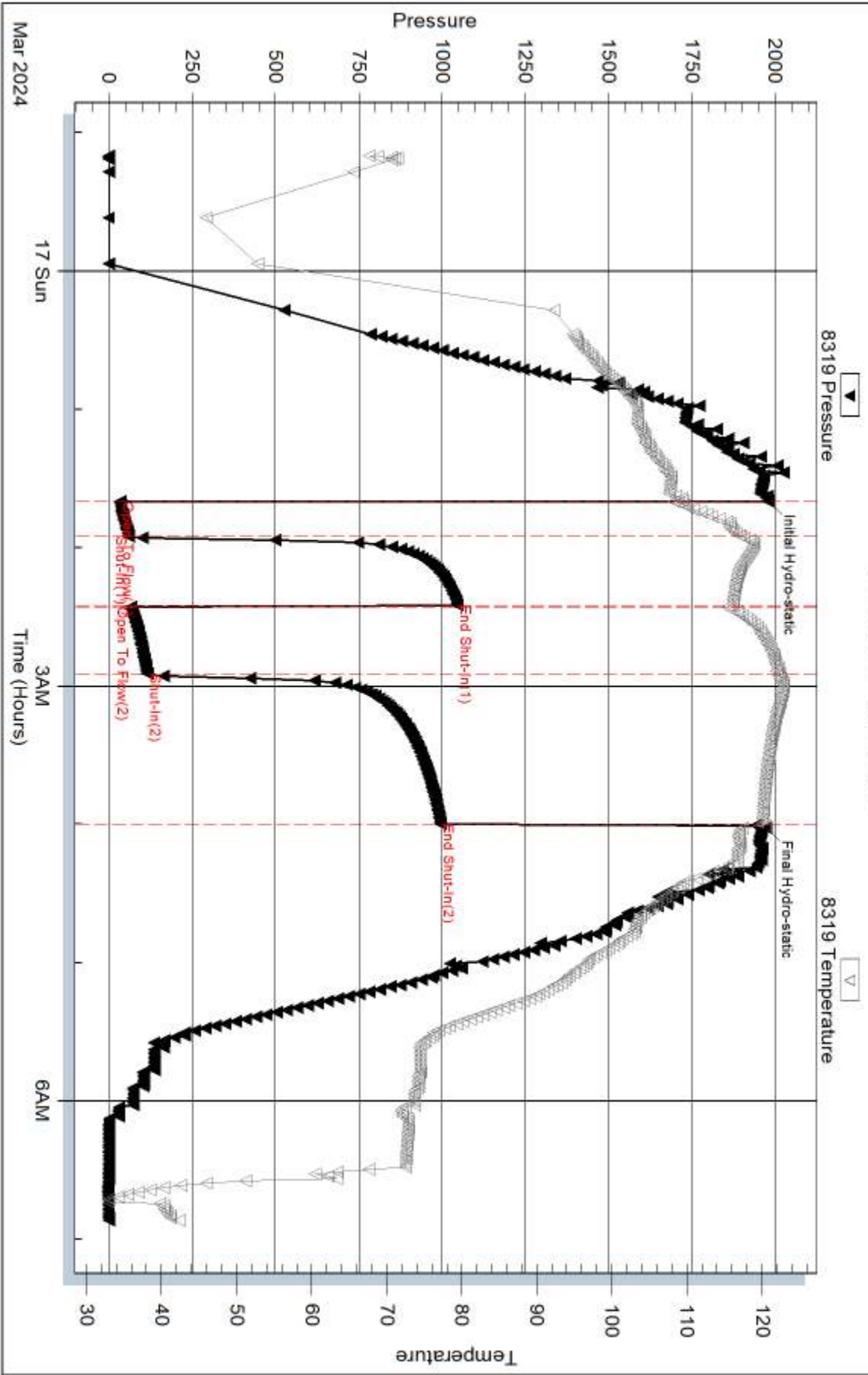
Inside

Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 1

Pressure vs. Time

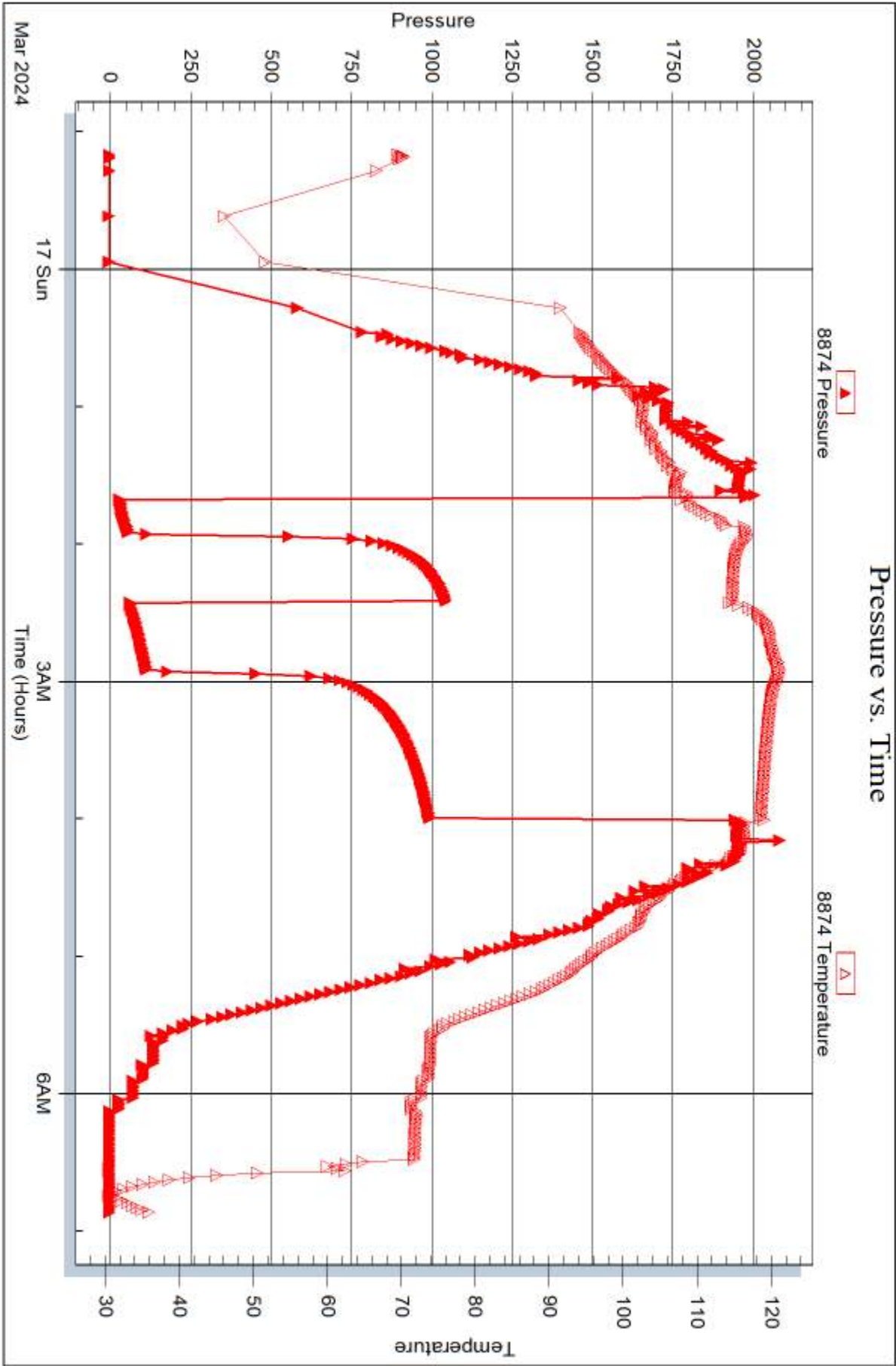


Serial #: 8874

Outside Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 W Main
Salem, IL 62881

ATTN: Kent Matson

Bloom #3-22

22-11s-31w Gove,KS

Start Date: 2024.03.17 @ 17:49:00

End Date: 2024.03.18 @ 01:18:45

Job Ticket #: 70104 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.26 @ 11:40:14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

202 W Main
Salem, IL 62881

ATTN: Kent Matson

22-11s-31w Gove,KS

Bloom #3-22

Job Ticket: 70104

DST#: 2

Test Start: 2024.03.17 @ 17:49:00

GENERAL INFORMATION:

Formation: **LKC D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:30:30

Time Test Ended: 01:18:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4062.00 ft (KB) To 4075.00 ft (KB) (TVD)**

Total Depth: 4075.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8874** Outside

Press@RunDepth: 118.17 psig @ 4063.00 ft (KB)

Start Date: 2024.03.17

End Date:

2024.03.18

Start Time: 17:49:05

End Time:

01:18:44

Capacity: 8000.00 psig

Last Calib.: 2024.03.18

Time On Btm: 2024.03.17 @ 20:30:00

Time Off Btm: 2024.03.17 @ 22:11:00

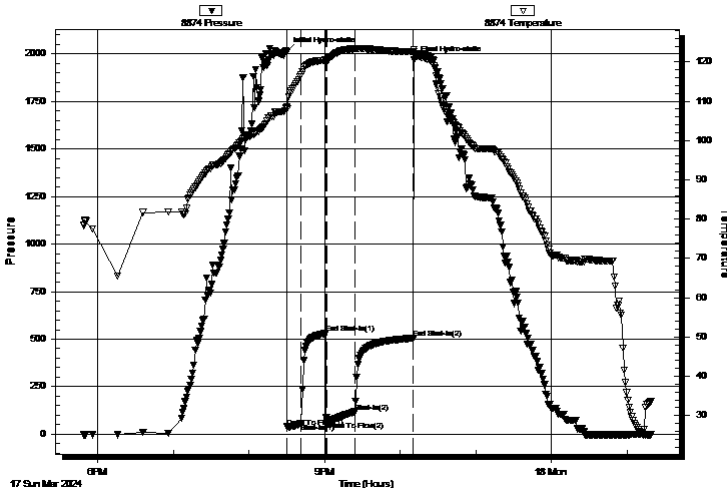
TEST COMMENT: IF: BOB @ 3 min- 32 1/2"

IS: 3/4" return.

FF: BOB @ 3 min. 57 1/2"

FS: 1 3/4" return, 10-20-20-40

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2009.44	108.48	Initial Hydro-static
1	38.99	108.07	Open To Flow (1)
12	58.38	116.74	Shut-In(1)
31	530.13	120.43	End Shut-In(1)
32	67.96	120.24	Open To Flow (2)
54	118.17	123.33	Shut-In(2)
100	504.64	122.57	End Shut-In(2)
101	1967.01	123.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	gocm 35g 30o 35m	0.42
260.00	go 30g 70o	3.65
0.00	130' GIP	0.00

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, Inc.

202 W Main
Salem, IL 62881

ATTN: Kent Matson

22-11s-31w Gove,KS

Bloom #3-22

Job Ticket: 70104

DST#: 2

Test Start: 2024.03.17 @ 17:49:00

GENERAL INFORMATION:

Formation: **LKC D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:30:30

Time Test Ended: 01:18:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4062.00 ft (KB) To 4075.00 ft (KB) (TVD)**

Total Depth: 4075.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8319** Inside

Press@RunDepth: psig @ 4063.00 ft (KB)

Start Date: 2024.03.17

End Date:

2024.03.18

Start Time: 17:49:05

End Time:

01:18:59

Capacity: 8000.00 psig

Last Calib.: 2024.03.18

Time On Btm:

Time Off Btm:

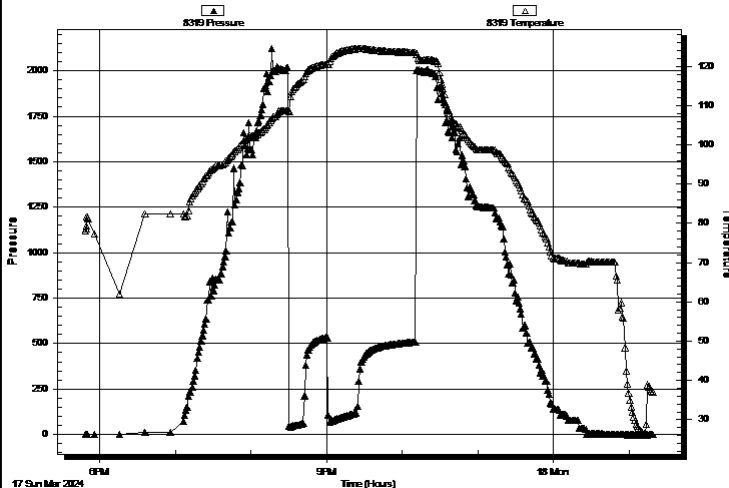
TEST COMMENT: IF: BOB @ 3 min- 32 1/2"

IS: 3/4" return.

FF: BOB @ 3 min. 57 1/2"

FS: 1 3/4" return, 10-20-20-40

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
30.00	gocm 35g 30o 35m	0.42
260.00	go 30g 70o	3.65
0.00	130' GIP	0.00

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, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70104

DST#: 2

ATTN: Kent Matson

Test Start: 2024.03.17 @ 17:49:00

Tool Information

Drill Pipe:	Length:	4057.00 ft	Diameter:	3.80 inches	Volume:	56.91 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	56.91 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight: Initial	53000.00 lb
Depth to Top Packer:		4062.00 ft					Final	54000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		13.00 ft						
Tool Length:		43.00 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			4033.00	
Shut In Tool	5.00			4038.00	
Hydraulic tool	5.00			4043.00	
Jars	5.00			4048.00	
EM Tool	3.00			4051.00	
Safety Joint	2.00			4053.00	
Packer	5.00			4058.00	30.00 Bottom Of Top Packer
Packer	4.00			4062.00	
Stubb	1.00			4063.00	
Recorder	0.00	8319	Inside	4063.00	
Recorder	0.00	8874	Outside	4063.00	
Perforations	9.00			4072.00	
Bullnose	3.00			4075.00	13.00 Bottom Packers & Anchor

Total Tool Length: 43.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70104

DST#: 2

ATTN: Kent Matson

Test Start: 2024.03.17 @ 17:49:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 7.17 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	gocm 35g 30o 35m	0.421
260.00	go 30g 70o	3.647
0.00	130' GIP	0.000

Total Length: 290.00 ft

Total Volume: 4.068 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

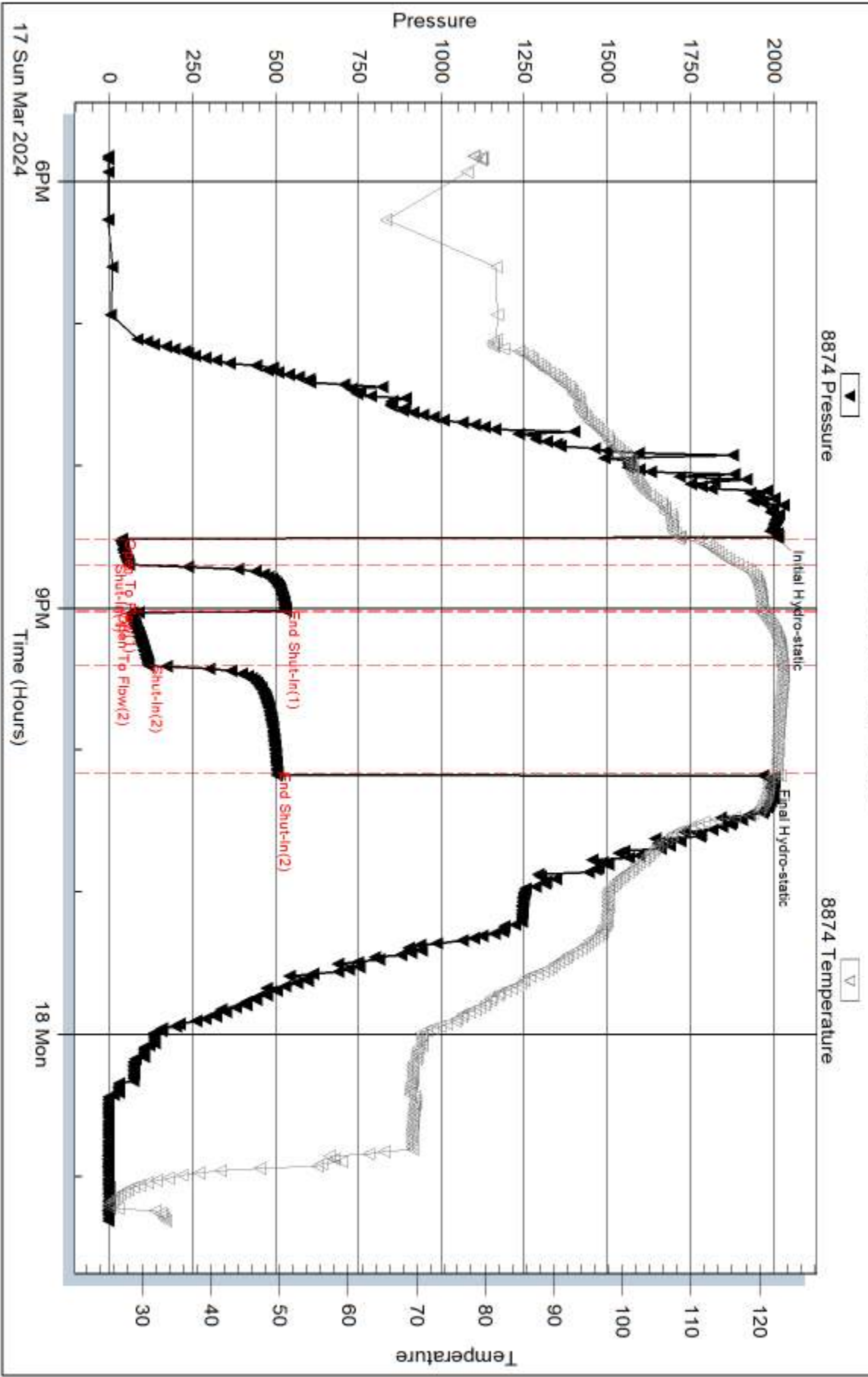
Serial #: 8874

Outside Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 2

Pressure vs. Time



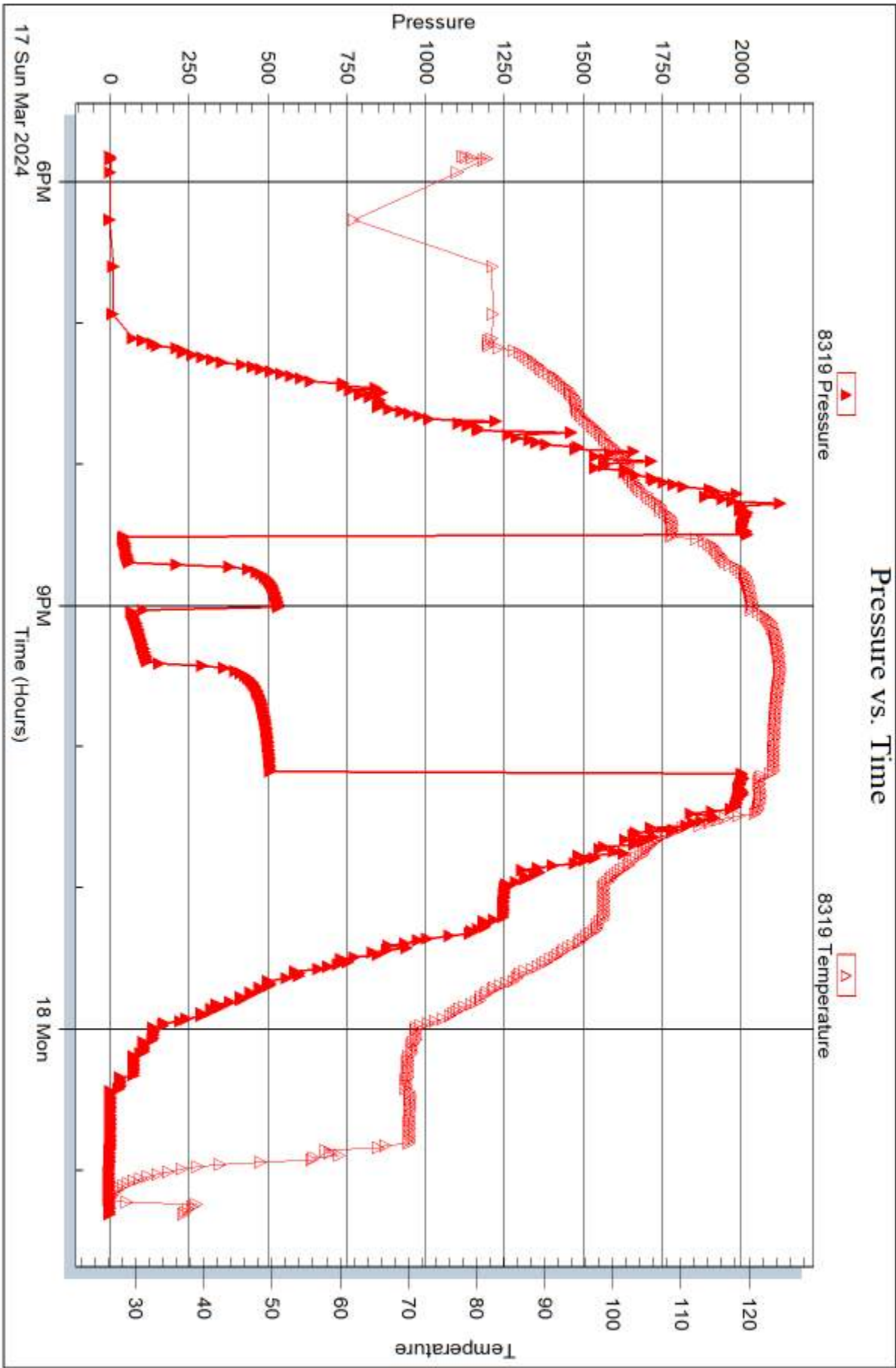
Serial #: 8319

Inside

Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 W Main
Salem, IL 62881

ATTN: Kent Matson

Bloom #3-22

22-11s-31w Gove,KS

Start Date: 2024.03.18 @ 22:45:00

End Date: 2024.03.19 @ 07:13:15

Job Ticket #: 70105 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.26 @ 11:37:19

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

Bloom #3-22

DST # 3

LKC G prime - J

2024.03.18



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

202 W Main
Salem, IL 62881

ATTN: Kent Matson

22-11s-31w Gove,KS

Bloom #3-22

Job Ticket: 70105

DST#: 3

Test Start: 2024.03.18 @ 22:45:00

GENERAL INFORMATION:

Formation: **LKC G prime - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:45

Time Test Ended: 07:13:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4114.00 ft (KB) To 4210.00 ft (KB) (TVD)**

Total Depth: 4210.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8319** Inside

Press@RunDepth: 40.95 psig @ 4115.00 ft (KB)

Start Date: 2024.03.18

End Date:

2024.03.19

Start Time: 22:45:05

End Time:

07:13:14

Capacity: 8000.00 psig

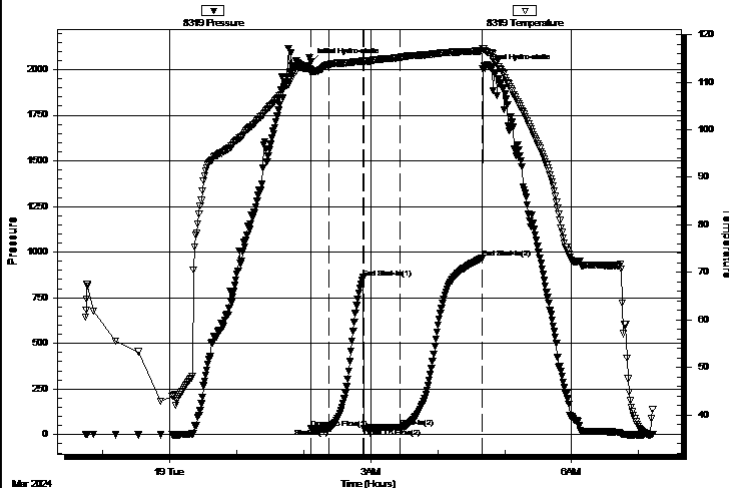
Last Calib.: 2024.03.19

Time On Btm: 2024.03.19 @ 02:06:30

Time Off Btm: 2024.03.19 @ 04:40:30

TEST COMMENT: IF: 4" blow.
IS: No return.
FF: 7" blow.
FS: No return. 15-30-30-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.49	112.72	Initial Hydro-static
1	32.96	112.05	Open To Flow (1)
17	33.12	113.70	Shut-In(1)
47	860.55	114.42	End Shut-In(1)
48	32.72	114.25	Open To Flow (2)
81	40.95	115.25	Shut-In(2)
154	967.13	116.58	End Shut-In(2)
154	2003.03	117.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	ocm 25o 75m	0.70
0.00	70' GIP	0.00

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, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70105

DST#: 3

ATTN: Kent Matson

Test Start: 2024.03.18 @ 22:45:00

GENERAL INFORMATION:

Formation: **LKC G prime - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:45

Time Test Ended: 07:13:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: 4114.00 ft (KB) To 4210.00 ft (KB) (TVD)

Total Depth: 4210.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8874 Outside

Press@RunDepth: psig @ 4115.00 ft (KB)

Start Date: 2024.03.18

End Date:

2024.03.19

Start Time: 22:45:05

End Time:

07:13:14

Capacity: 8000.00 psig

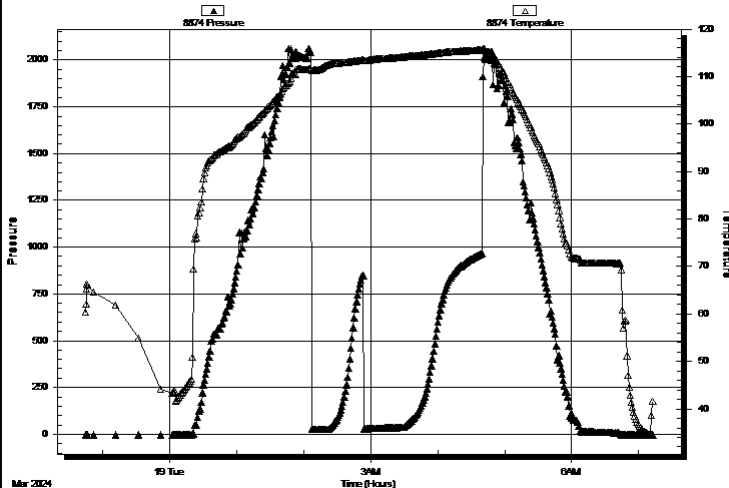
Last Calib.: 2024.03.19

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 4" blow.
IS: No return.
FF: 7" blow.
FS: No return. 15-30-30-60

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
50.00	ocm 25o 75m	0.70
0.00	70' GIP	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

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70105

DST#: 3

ATTN: Kent Matson

Test Start: 2024.03.18 @ 22:45:00

Tool Information

Drill Pipe:	Length:	4087.00 ft	Diameter:	3.80 inches	Volume:	57.33 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	57.33 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight: Initial	55000.00 lb
Depth to Top Packer:		4114.00 ft					Final	55000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		96.00 ft						
Tool Length:		126.00 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			4085.00	
Shut In Tool	5.00			4090.00	
Hydraulic tool	5.00			4095.00	
Jars	5.00			4100.00	
EM Tool	3.00			4103.00	
Safety Joint	2.00			4105.00	
Packer	5.00			4110.00	30.00 Bottom Of Top Packer
Packer	4.00			4114.00	
Stubb	1.00			4115.00	
Recorder	0.00	8319	Inside	4115.00	
Recorder	0.00	8874	Outside	4115.00	
Perforations	27.00			4142.00	
Change Over Sub	1.00			4143.00	
Drill Pipe	63.00			4206.00	
Change Over Sub	1.00			4207.00	
Bullnose	3.00			4210.00	96.00 Bottom Packers & Anchor
Total Tool Length:	126.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70105

DST#: 3

ATTN: Kent Matson

Test Start: 2024.03.18 @ 22:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

0 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	ocm 25o 75m	0.701
0.00	70' GIP	0.000

Total Length: 50.00 ft

Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8319

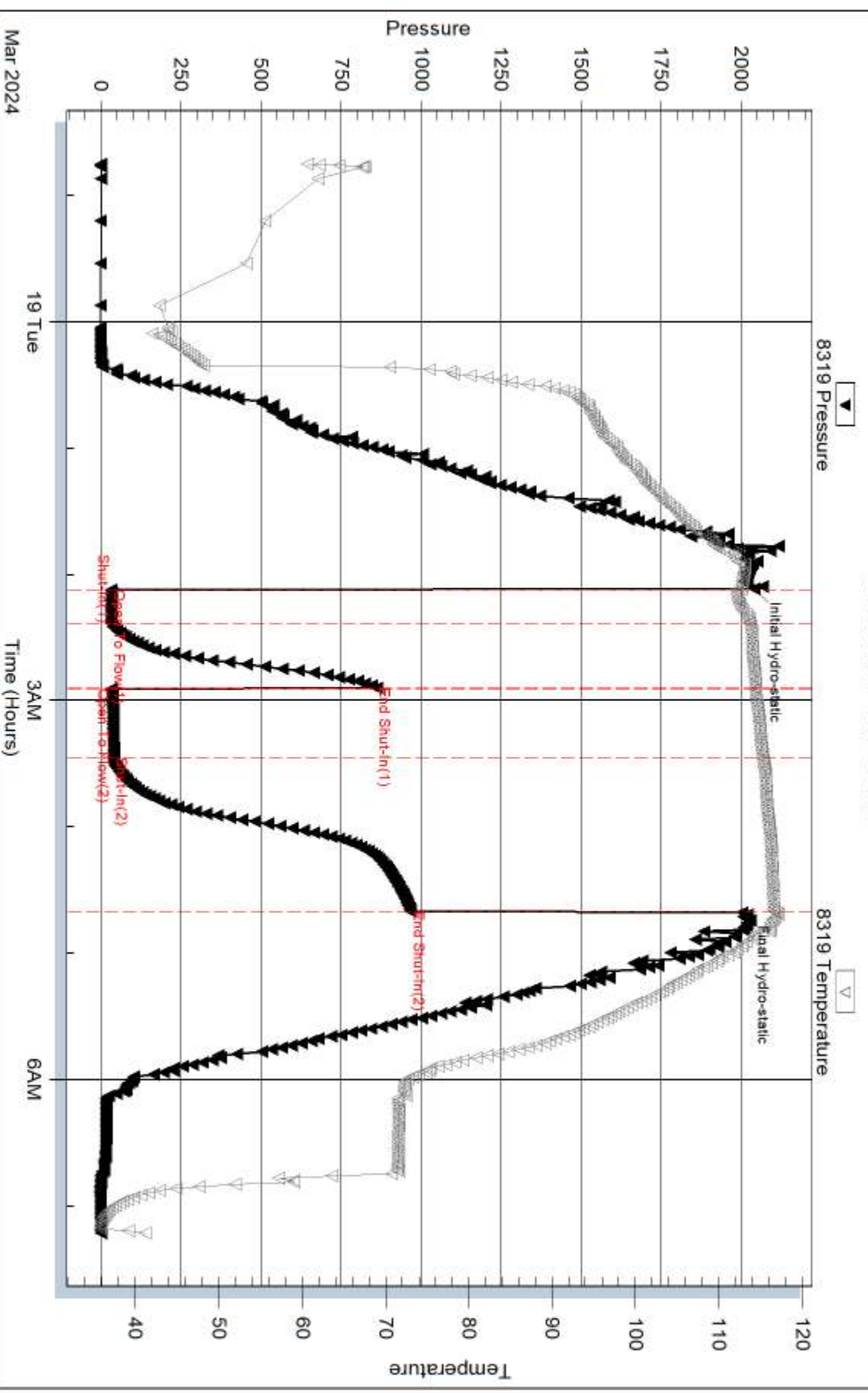
Inside

Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 3

Pressure vs. Time

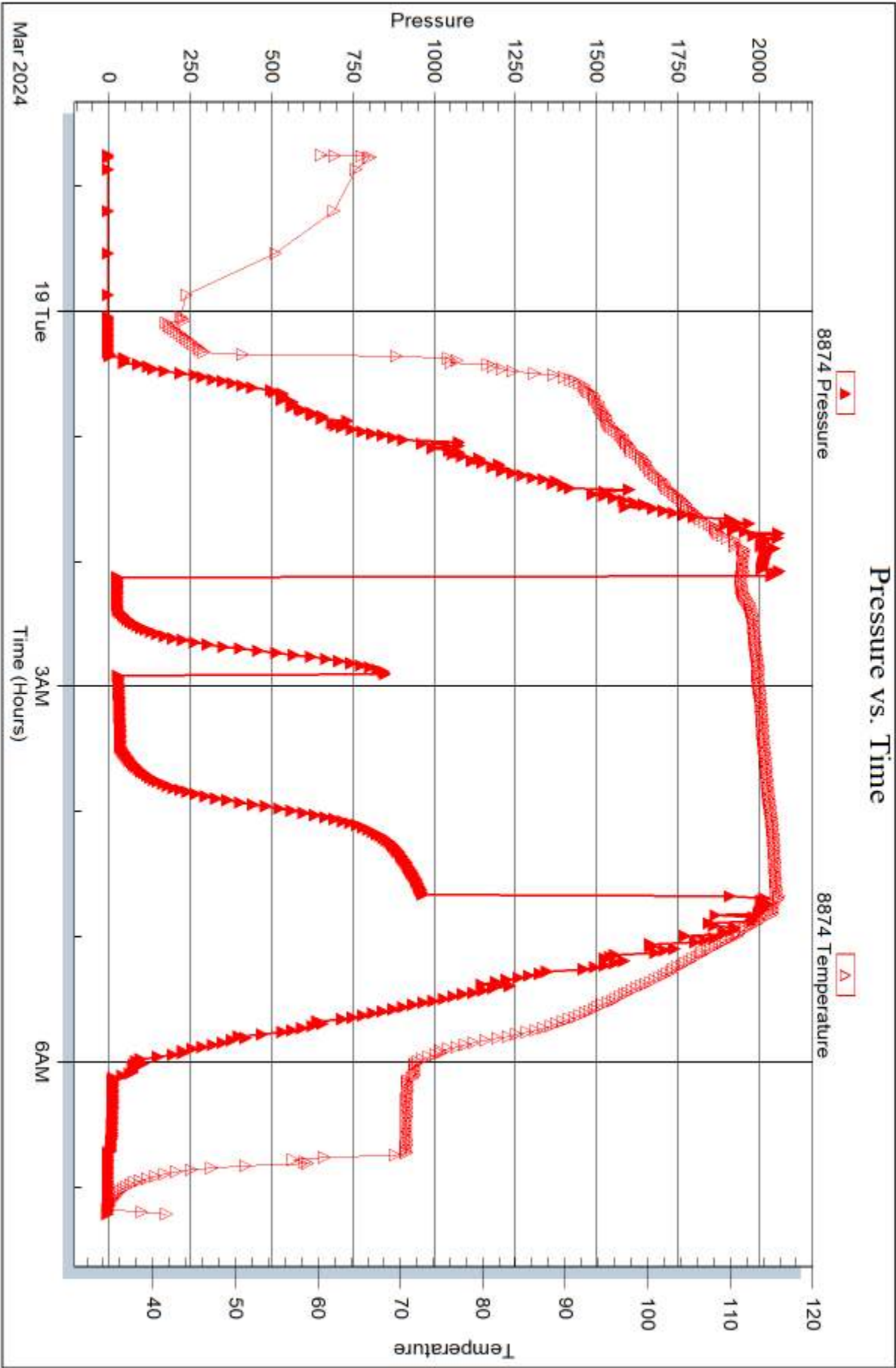


Serial #: 8874

Outside Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 W Main
Salem, IL 62881

ATTN: Kent Matson

Bloom #3-22

22-11s-31w Gove,KS

Start Date: 2024.03.20 @ 00:10:00

End Date: 2024.03.20 @ 07:17:30

Job Ticket #: 70106 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.26 @ 11:34:38

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

Bloom #3-22

DST # 4

LKC K - Lenapah

2024.03.20



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

202 W Main
Salem, IL 62881

ATTN: Kent Matson

22-11s-31w Gove,KS

Bloom #3-22

Job Ticket: 70106

DST#: 4

Test Start: 2024.03.20 @ 00:10:00

GENERAL INFORMATION:

Formation: **LKC K - Lenapah**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:39:45

Time Test Ended: 07:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4214.00 ft (KB) To 4316.00 ft (KB) (TVD)**

Reference Elevations: 2960.00 ft (KB)

Total Depth: 4316.00 ft (KB) (TVD)

2951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: **8874** Outside

Press@RunDepth: 39.36 psig @ 4215.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.03.20

End Date:

2024.03.20

Last Calib.: 2024.03.20

Start Time: 00:10:05

End Time:

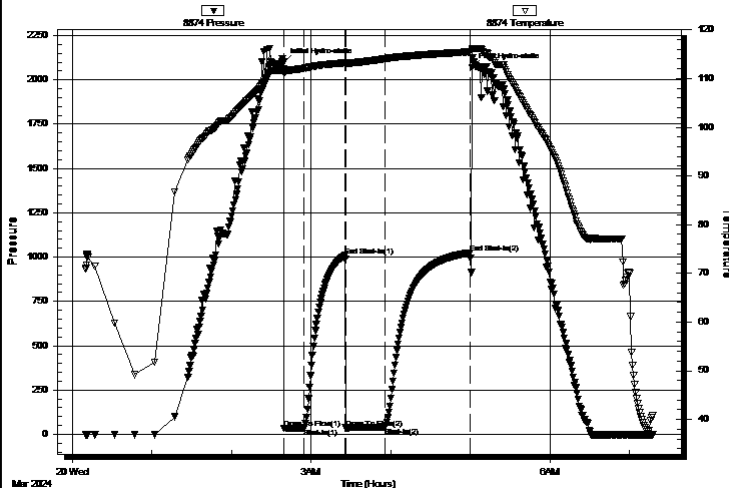
07:17:29

Time On Btm: 2024.03.20 @ 02:39:30

Time Off Btm: 2024.03.20 @ 05:01:30

TEST COMMENT: IF: 1" blow.
IS: No return.
FF: 1/4" blow.
FS: No return. 15-30-30-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.70	111.95	Initial Hydro-static
1	32.48	111.09	Open To Flow (1)
16	34.09	112.11	Shut-In(1)
46	1008.67	113.22	End Shut-In(1)
47	35.79	112.87	Open To Flow (2)
76	39.36	114.07	Shut-In(2)
141	1024.62	115.48	End Shut-In(2)
142	2068.29	115.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud 100m (oil spots on top)	0.63

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, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70106

DST#: 4

ATTN: Kent Matson

Test Start: 2024.03.20 @ 00:10:00

GENERAL INFORMATION:

Formation: **LKC K - Lenapah**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:39:45

Time Test Ended: 07:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4214.00 ft (KB) To 4316.00 ft (KB) (TVD)**

Total Depth: 4316.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8319** Inside

Press@RunDepth: psig @ 4215.00 ft (KB)

Start Date: 2024.03.20

End Date:

2024.03.20

Start Time: 00:10:05

End Time:

07:17:29

Capacity: 8000.00 psig

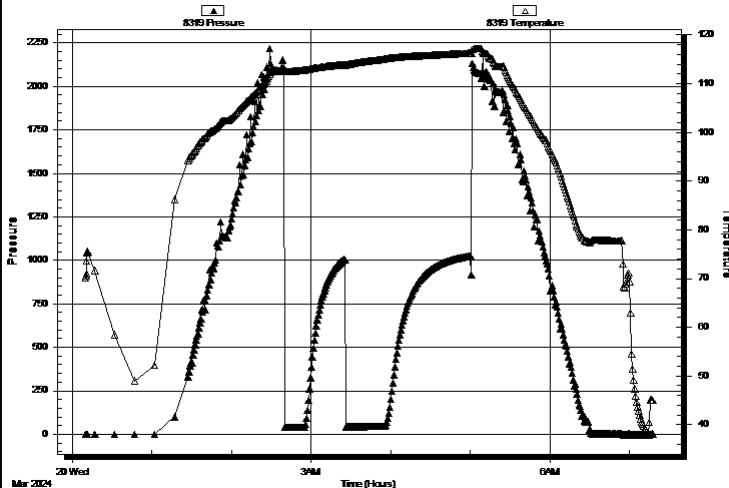
Last Calib.: 2024.03.20

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1" blow .
IS: No return.
FF: 1/4" blow .
FS: No return. 15-30-30-60

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
45.00	Mud 100m (oil spots on top)	0.63

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70106

DST#: 4

ATTN: Kent Matson

Test Start: 2024.03.20 @ 00:10:00

Tool Information

Drill Pipe:	Length:	4211.00 ft	Diameter:	3.80 inches	Volume:	59.07 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	59.07 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft					String Weight: Initial	55000.00 lb	
Depth to Top Packer:	4214.00 ft					Final	55000.00 lb	
Depth to Bottom Packer:	ft							
Interval between Packers:	102.00 ft							
Tool Length:	132.00 ft							
Number of Packers:	2		Diameter:	6.75 inches				
Tool Comments:								

Tool Description

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

Change Over Sub	1.00		4185.00	
Shut In Tool	5.00		4190.00	
Hydraulic tool	5.00		4195.00	
Jars	5.00		4200.00	
EM Tool	3.00		4203.00	
Safety Joint	2.00		4205.00	
Packer	5.00		4210.00	30.00 Bottom Of Top Packer
Packer	4.00		4214.00	
Stubb	1.00		4215.00	
Recorder	0.00	8319 Inside	4215.00	
Recorder	0.00	8874 Outside	4215.00	
Perforations	33.00		4248.00	
Change Over Sub	1.00		4249.00	
Drill Pipe	63.00		4312.00	
Change Over Sub	1.00		4313.00	
Bullnose	3.00		4316.00	102.00 Bottom Packers & Anchor
Total Tool Length:	132.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70106

DST#: 4

ATTN: Kent Matson

Test Start: 2024.03.20 @ 00:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

0 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud 100m (oil spots on top)	0.631

Total Length: 45.00 ft

Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

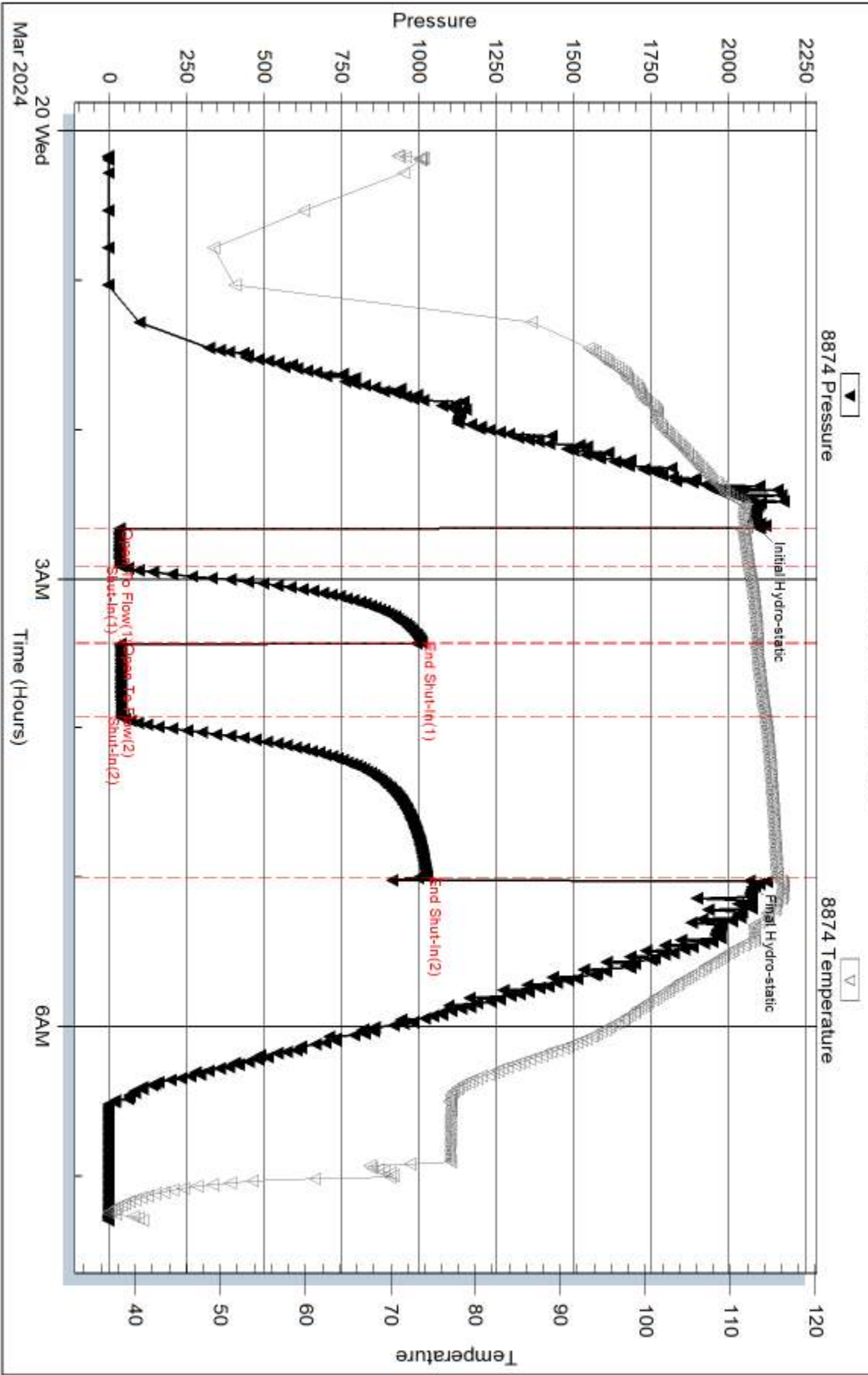
Serial #: 8874

Outside Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 4

Pressure vs. Time



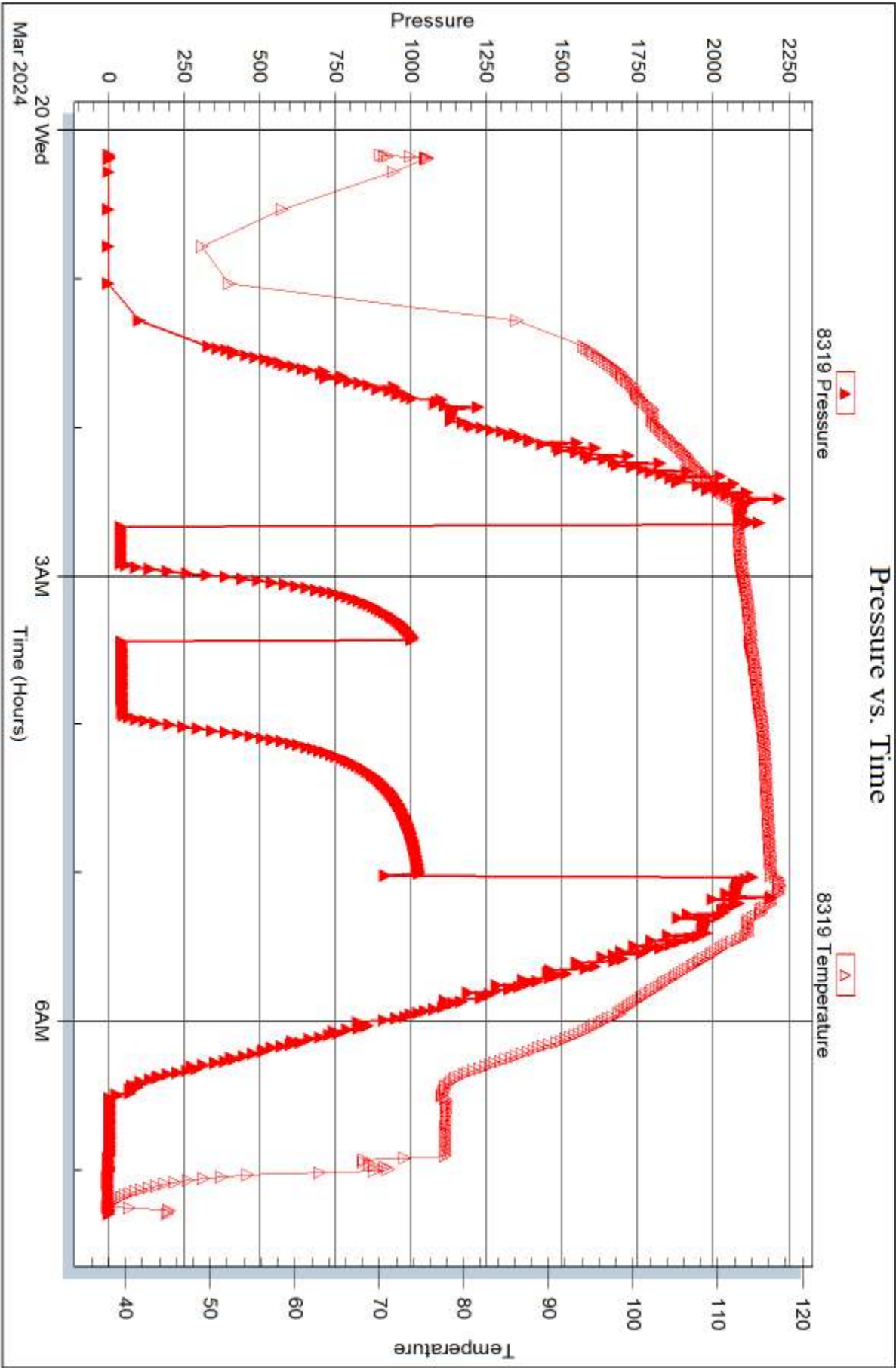
Serial #: 8319

Inside

Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 W Main
Salem, IL 62881

ATTN: Kent Matson

Bloom #3-22

22-11s-31w Gove,KS

Start Date: 2024.03.21 @ 07:33:00

End Date: 2024.03.21 @ 14:35:15

Job Ticket #: 70107 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.03.26 @ 11:12:52

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

Bloom #3-22

DST # 5

Pawnee - Myric Stati

2024.03.21



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70107

DST#: 5

ATTN: Kent Matson

Test Start: 2024.03.21 @ 07:33:00

GENERAL INFORMATION:

Formation: **Pawnee - Myric Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:52:30

Time Test Ended: 14:35:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4390.00 ft (KB) To 4448.00 ft (KB) (TVD)**

Total Depth: 4038.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8319 Inside

Press@RunDepth: 131.86 psig @ 4391.00 ft (KB)

Start Date: 2024.03.21

End Date:

2024.03.21

Start Time: 07:33:05

End Time:

14:35:14

Capacity: 8000.00 psig

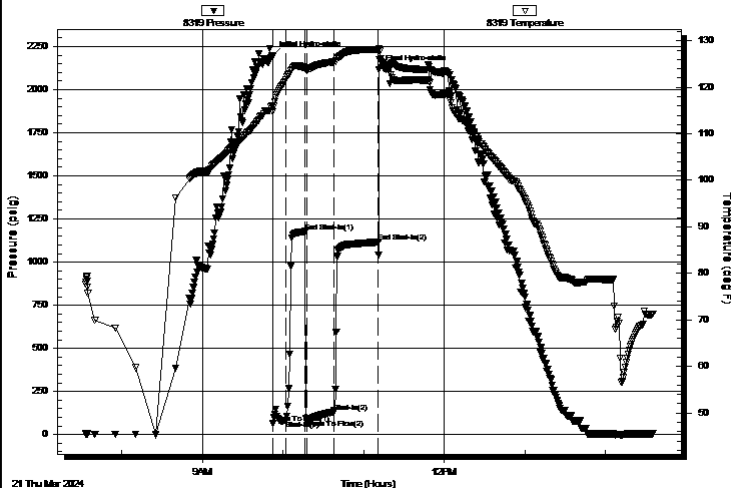
Last Calib.: 2024.03.21

Time On Btm: 2024.03.21 @ 09:52:15

Time Off Btm: 2024.03.21 @ 11:11:30

TEST COMMENT: IF: BOB @ 2 1/2 min. 61"
IS: 1/4" return.
FF: BOB @ 1 min. 133"
FS: 1" return. 10-15-20-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.73	116.02	Initial Hydro-static
1	62.60	114.72	Open To Flow (1)
10	83.52	121.69	Shut-In(1)
25	1177.65	124.23	End Shut-In(1)
26	86.36	123.62	Open To Flow (2)
46	131.86	125.45	Shut-In(2)
79	1115.99	128.14	End Shut-In(2)
80	2117.16	128.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	gmco 60g 10m 30o	0.42
100.00	gmco 45g 15m 40o	1.40
160.00	gmco 50g 20m 30o	2.24
0.00	1600' GIP	0.00

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, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70107

DST#: 5

ATTN: Kent Matson

Test Start: 2024.03.21 @ 07:33:00

GENERAL INFORMATION:

Formation: **Pawnee - Myric Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:52:30

Time Test Ended: 14:35:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 85

Interval: **4390.00 ft (KB) To 4448.00 ft (KB) (TVD)**

Total Depth: 4038.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2960.00 ft (KB)

2951.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **8874** Outside

Press@RunDepth: psig @ 4391.00 ft (KB)

Start Date: 2024.03.21

End Date:

2024.03.21

Start Time: 07:33:05

End Time:

14:35:14

Capacity: 8000.00 psig

Last Calib.:

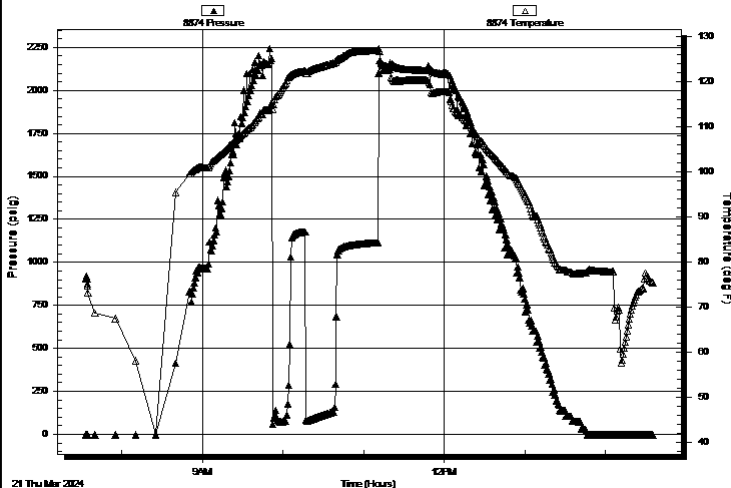
2024.03.21

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 2 1/2 min. 61"
IS: 1/4" return.
FF: BOB @ 1 min. 133"
FS: 1" return. 10-15-20-30

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
30.00	gmco 60g 10m 30o	0.42
100.00	gmco 45g 15m 40o	1.40
160.00	gmco 50g 20m 30o	2.24
0.00	1600' GIP	0.00

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, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70107

DST#: 5

ATTN: Kent Matson

Test Start: 2024.03.21 @ 07:33:00

Tool Information

Drill Pipe:	Length:	4370.00 ft	Diameter:	3.80 inches	Volume:	61.30 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	67000.00 lb
					Total Volume:	61.30 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight: Initial	57000.00 lb
Depth to Top Packer:		4390.00 ft					Final	58000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		58.00 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
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Change Over Sub	1.00		4361.00	
Shut In Tool	5.00		4366.00	
Hydraulic tool	5.00		4371.00	
Jars	5.00		4376.00	
EM Tool	3.00		4379.00	
Safety Joint	2.00		4381.00	
Packer	5.00		4386.00	30.00 Bottom Of Top Packer
Packer	4.00		4390.00	
Stubb	1.00		4391.00	
Recorder	0.00	8319 Inside	4391.00	
Recorder	0.00	8874 Outside	4391.00	
Perforations	21.00		4412.00	
Change Over Sub	1.00		4413.00	
Drill Pipe	31.00		4444.00	
Change Over Sub	1.00		4445.00	
Bullnose	3.00		4448.00	58.00 Bottom Packers & Anchor
Total Tool Length:	88.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

22-11s-31w Gove,KS

202 W Main
Salem, IL 62881

Bloom #3-22

Job Ticket: 70107

DST#: 5

ATTN: Kent Matson

Test Start: 2024.03.21 @ 07:33:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 33000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	gmco 60g 10m 30o	0.421
100.00	gmco 45g 15m 40o	1.403
160.00	gmco 50g 20m 30o	2.244
0.00	1600' GIP	0.000

Total Length: 290.00 ft

Total Volume: 4.068 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: light oil ouround 38 API

Serial #: 8319

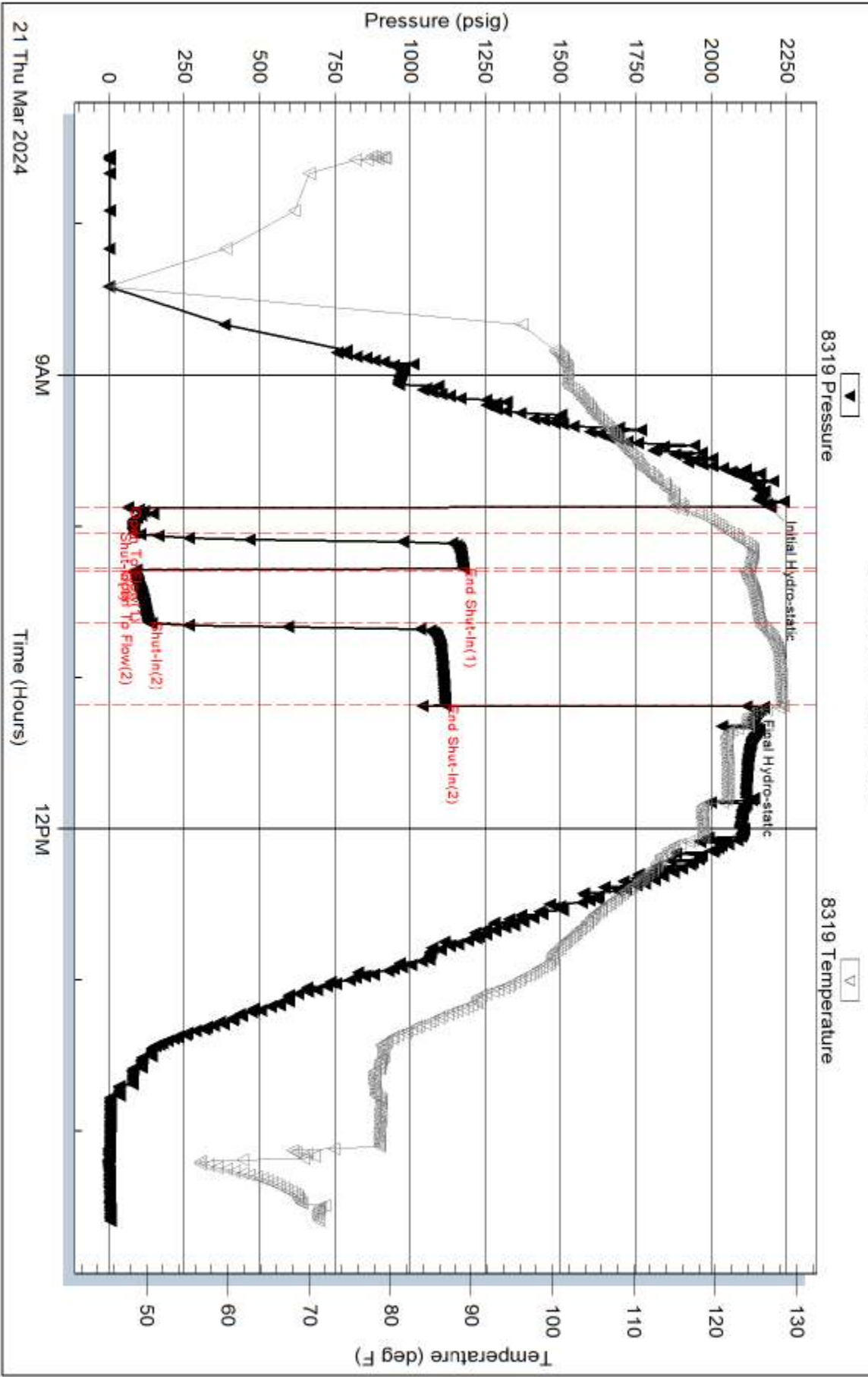
Inside

Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 5

Pressure vs. Time



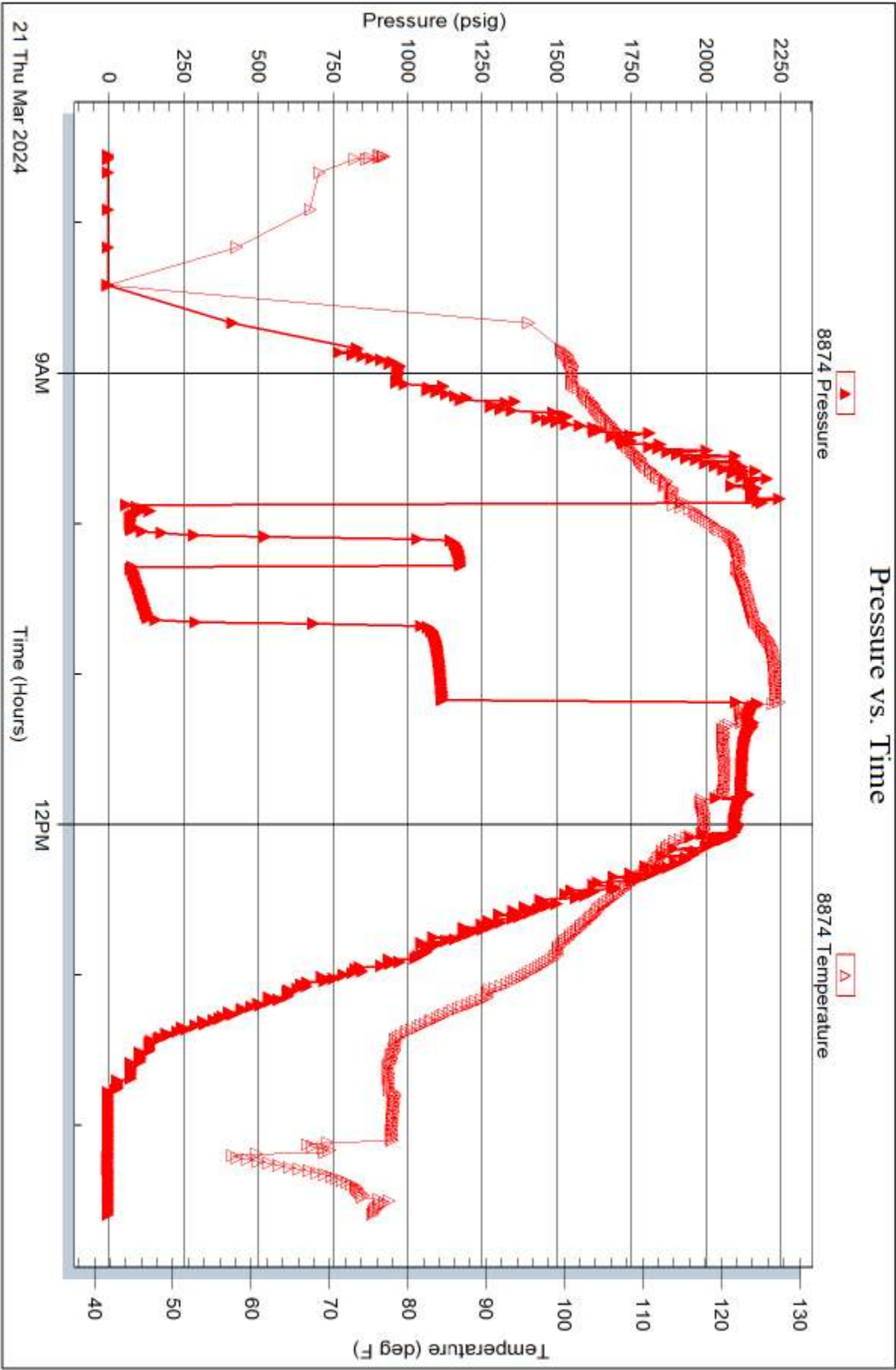
Serial #: 8874

Outside

Shakespeare Oil Co, Inc.

Bloom #3-22

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70103

Well Name & No. Shakespeare O. Bloom 3-22 Test No. 1 Date 03/17/2024
Company Shakespeare Oil Co, Inc Elevation 2960 KB 2951 GL
Address Salem IL
Co. Rep / Geo Kent Matson Rig Date 4
Location: Sec. 22 Twp 11c Rge. 31w Co. Coxe State Ks

Interval Tested 4014-4038 Zone Tested LKC B
Anchor Length 24' Drill Pipe Run 3996 Mud Wt. 9.0
Top Packer Depth 4009 Drill Collars Run — Vis 52
Bottom Packer Depth 4014 Wt. Pipe Run — WL 5.8
Total Depth 4038 Chlorides 1200 ppm System LCM 3#

Blow Description IF: BOB@ 6min - 2 1/2"
TSI: 1 3/4" return,
FF: BOB@ 6min - 31"
FSI: 1" return.

Rec <u>210</u>	Feet of <u>30</u>	<u>20</u> %gas	<u>80</u> %oil	%water	%mud
Rec <u>50</u>	Feet of <u>60 cm</u>	<u>20</u> %gas	<u>20</u> %oil	%water <u>60</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>240' GIP</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 Total 260 BHT 120 Gravity 35 API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 1980 ☒ Test 1950 ☐ Ruined Shale Packer

Initial Flow 34 to 61 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 1047 ☐ Circ Sub ☐ Hotel

Final Flow 66 to 116 ☐ Hourly Standby ☒ EM Tool Successful yes

Final Shut-In 995 ☒ Mileage 112 Rt 196 ☐ Accessibility

Final Hydrostatic 1973 ☐ Sampler ☐ Gas Sample

T- On Location 2200 ☐ Straddle ☐ Sub Total 0

Initial Flow 15 T-Started 2310 ☐ Shale Packer ☐ Total 2446

Initial Shut-In 30 T-Open 0140 ☐ Extra Packer ☐ Tool Loaded — @ —

Final Flow 30 T-Pulled 0355 ☐ Extra Recorder ☐ MP/DST Disc't

Final Shut-In 60 T-Out 0652 ☐ Day Standby

Comments

Approved By _____ Our Representative [Signature]

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. 70104

Well Name & No. Bloom 3-22 Test No. 2 Date 03/17/2024
Company Shakespeare Oil Co, Inc Elevation 2960 KB 2951 GL
Address Salem, IL
Co. Rep / Geo Kent Matson Rig Duke 4
Location: Sec. 22 Twp 11S Rge. 31W Co. Gore State Ks

Interval Tested 4062-4075 Zone Tested LKC D
Anchor Length 13' Drill Pipe Run 4057 Mud Wt. 9.2
Top Packer Depth 4057 Drill Collars Run — Vis 64
Bottom Packer Depth 4062 Wt. Pipe Run — WL 7.2
Total Depth 4075 Chlorides 2000 ppm System LCM 3#

Blow Description IF: BOB @ 3 min. 32 1/2"

ISI: 34' return

FF: BOB @ 3 min. 57 1/2"

ISI: 134' return

Rec <u>266</u>	Feet of <u>60cm</u>	<u>35</u> %gas	<u>30</u> %oil	%water <u>35</u>	%mud
Rec <u>260</u>	Feet of <u>60</u>	<u>30</u> %gas	<u>70</u> %oil	%water	%mud
Rec <u>30</u>	Feet of <u>60cm</u>	<u>35</u> %gas	<u>30</u> %oil	%water <u>35</u>	%mud
Rec	Feet of <u>130' GSP</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 Total 290 BHT 122 Gravity 40 API RW — @ — °F Chlorides — ppm

Initial Hydrostatic 2009 ☒ Test 1950 ☐ Ruined Shale Packer

Initial Flow 38 to 58 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 530 ☐ Circ Sub ☐ Hotel

Final Flow 67 to 118 ☐ Hourly Standby ☒ EM Tool Successful yes

Final Shut-In 504 ☒ Mileage 12 to 196 ☐ Accessibility

Final Hydrostatic 1967 ☐ Sampler ☐ Gas Sample

T- On Location 1715 ☐ Straddle ☐ Sub Total 0

Initial Flow 10 T-Started 1749 ☐ Shale Packer ☐ Total 2446

Initial Shut-In 20 T-Open 2031 ☐ Extra Packer ☐ Tool Loaded @

Final Flow 20 T-Pulled 2209 ☐ Extra Recorder ☐ MP/DST Disc't

Final Shut-In 40 T-Out 3/18 0118 ☐ Day Standby

Comments

Approved By _____ Our Representative [Signature]

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. 70105

Well Name & No. Bloom 3-22 Test No. 3 Date 03/19/2024
Company Shakespeare Oil Co, Inc Elevation 2960 KB 2951 GL
Address Salem, IL
Co. Rep / Geo Kent Matsen Rig Duke 4
Location: Sec. 22 Twp 11S Rge. 31W Co. Govt State KS

Interval Tested 4114-4210 Zone Tested LKC G-Prime - I
Anchor Length 96' Drill Pipe Run 4087 Mud Wt. 9.2
Top Packer Depth 4109 Drill Collars Run — Vis 58
Bottom Packer Depth 4114 Wt. Pipe Run — WL 8.8
Total Depth 4210 Chlorides 3000 ppm System LCM 2#

Blow Description IF 4" blow
ISI No return
FF 7" blow
FBI No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>OCM</u>	<u>25</u>		<u>75</u>	
	<u>70' GIP</u>				

Rec Total 50 BHT 117 Gravity — API RW — @ — °F Chlorides — ppm
Initial Hydrostatic 2040 ☒ Test 1950 ☐ Ruined Shale Packer
Initial Flow 32 to 33 ☒ Jars 300 ☐ Ruined Packer
Initial Shut-In 860 ☐ Circ Sub ☐ Hotel
Final Flow 32 to 40 ☐ Hourly Standby ☒ EM Tool Successful yes
Final Shut-In 967 ☒ Mileage 112 196 ☐ Accessibility
Final Hydrostatic 2003 ☐ Sampler ☐ Gas Sample
T- On Location 2200 ☐ Straddle ☐ Sub Total 0
Initial Flow 15 T-Started 2245 ☐ Shale Packer ☐ Total 2446
Initial Shut-In 30 T-Open 0207 ☐ Extra Packer ☐ Tool Loaded — @ —
Final Flow 30 T-Pulled 0440 ☐ Extra Recorder ☐ MP/DST Disc't
Final Shut-In 60 T-Out 0713 ☐ Day Standby

Comments _____

Approved By _____ Our Representative [Signature]

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. 70106

Well Name & No. Bloom 3-22 Test No. 4 Date 03/20/2024
Company Shakespeare Oil Co, Inc Elevation 2960 KB 2951 GL
Address Salem, IL
Co. Rep / Geo Kent Matson Rig Duke 4
Location: Sec. 22 Twp 11s Rge. 31w Co. Gore State KS

Interval Tested 4214-4316 Zone Tested LKC-K - Leaping
Anchor Length 102' Drill Pipe Run 4211 Mud Wt. 9.4
Top Packer Depth 4209 Drill Collars Run — Vis 58
Bottom Packer Depth 4214 Wt. Pipe Run — WL 8.8
Total Depth 4316 Chlorides 3200 ppm System LCM 3#

Blow Description IF 1" blow
TSI No return.
FF 1/4" blow
FSI No return.

Rec <u>45</u>	Feet of <u>Mud</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of <u>oil spots on top</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 45 BHT 116 Gravity — API RW — @ — °F Chlorides — ppm
Initial Hydrostatic 2097 ☒ Test 1950 ☐ Ruined Shale Packer
Initial Flow 32 to 34 ☒ Jars 300 ☐ Ruined Packer
Initial Shut-In 1008 ☐ Circ Sub ☐ Hotel
Final Flow 35 to 39 ☐ Hourly Standby ☒ EM Tool Successful NO -350
Final Shut-In 1024 ☒ Mileage 112rt 196 ☐ Accessibility
Final Hydrostatic 2068 ☐ Sampler ☐ Gas Sample
T-On Location 0005 ☐ Straddle ☐ Sub Total -350
Initial Flow 15 T-Started 0010 ☐ Shale Packer ☐ Total 2096
Initial Shut-In 30 T-Open 0239 ☐ Extra Packer ☐ Tool Loaded — @ —
Final Flow 30 T-Pulled 0458 ☐ Extra Recorder ☐ MP/DST Disc't
Final Shut-In 60 T-Out 0718 ☐ Day Standby

Comments

Approved By _____ Our Representative [Signature]

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. 70107

Well Name & No. Bloom 3-22 Test No. 5 Date 03/21/2024
 Company Shakespeare Oil Co Elevation 2960 KB 2951 GL
 Address Salem IL
 Co. Rep / Geo Kent Malson Rig Duke 4
 Location: Sec. 22 Twp 11S Rge. 31W Co. Gore State KS

Interval Tested 4390-4448 Zone Tested Pawnee - Myrick Station
 Anchor Length 58' Drill Pipe Run 4370 Mud Wt. 9.1
 Top Packer Depth 4385 Drill Collars Run - Vis 58
 Bottom Packer Depth 4390 Wt. Pipe Run - WL 8.8
 Total Depth 4448 Chlorides 3300 ppm System LCM 3#
 Blow Description IF BOB @ 2 1/2 min. - 61"

1st 1/4" return.
FF BOB @ 1 min - 133"
FSI 1" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>160</u>	<u>GMCO</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>
<u>100</u>	<u>GMCO</u>	<u>45</u>	<u>40</u>	<u>15</u>	<u>0</u>
<u>30</u>	<u>GMCO</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>1600' GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 726-790 BHT 128 Gravity - API RW - @ - F Chlorides - ppm

Initial Hydrostatic 2194 ☒ Test 1950 ☐ Ruined Shale Packer

Initial Flow 62 to 83 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 1177 ☐ Circ Sub ☐ Hotel

Final Flow 86 to 131 ☐ Hourly Standby ☒ EM Tool Successful yes

Final Shut-In 1115 ☒ Mileage 196 + 196 ☐ Accessibility

Final Hydrostatic 2117 ☐ Sampler ☐ Gas Sample

T- On Location ☐ Straddle ☐ Sub Total 0

Initial Flow 10 T-Started 0733 ☐ Shale Packer ☐ Total 2642

Initial Shut-In 15 T-Open 0953 ☐ Extra Packer ☐ Tool Loaded 3/23 @ 02:00

Final Flow 20 T-Pulled 1110 ☐ Extra Recorder ☐ MP/DST Disc't

Final Shut-In 30 T-Out 1435 ☐ Day Standby

Comments Light oil - API around 38

Approved By _____ Our Representative [Signature]

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