

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

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

Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	CONNER 1-6
Doc ID	1482171

Tops

Name	Top	Datum
Base Anhydrite	2431	+594
Heebner	3962	-937
Lansing	4002	-977
Muncie Creek	4176	-1151
Stark Shale	4266	-1241
Hushpuckney	4316	-1291
Marmaton	4400	-1375
Pawnee	4480	-1455
L. Cherokee Shale	4558	-1533
Johnson	4602	-1577
Mississippian	4694	-1669



GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln  
RUSSELL, KS 67665

# Invoice

Date	Invoice #
10/16/2019	13837

Bill To
SHAKESPEARE OIL COMPANY INC 202 W MAIN SALEM, IL 62881

**RECEIVED**

OCT 18 2019

*INT*

P.O. No.	Terms	Project
CONNER#1-6	Due on receipt	Surface Cmt

Quantity	Description	Rate	Amount
200	60/40 POZMIX CEMENT	13.75	2,750.00
7	CALCIUM-CHLORIDE	80.00	560.00
4	BENTONITE GEL	30.00	120.00
211	HANDLING	1.90	400.90
	BULK MILEAGE	950.00	950.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	850.00	850.00
65	HEAVY EQUIPMENT. ONE WAY	6.50	422.50
65	LMV- ONE WAY	2.75	178.75
	15% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		0.00
	LOGAN CO SALES TAX	8.00%	0.00

*502-5  
DN*

Thank you for your business.

**Total** \$6,232.15

Phone #	Fax #
785-445-3525	785-445-3526

*DW*

# GLOBAL OIL FIELD SERVICES, LLC

13837

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>10/22/19</u>	SEC. <u>6</u>	TWP. <u>16</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>4:15 pm</u>
LEASE <u>Coan #6</u>	WELL #. <u>1</u>	LOCATION <u>Scottdale line - W 4500 ft</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR <u>Summit Drilling Rig # 8</u>	OWNER <u>Shakespeare Oil Co.</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12" w</u>	T.D.
CASING SIZE <u>6 3/8"</u>	DEPTH <u>265'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>25'</u>	
PERFS	
DISPLACEMENT	

CEMENT AMOUNT ORDERED <u>200 sacks 60/40 3% gel</u>
---

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Cody</u>
# <u>417</u>	HELPER <u>Jason</u>
BULK TRUCK	
# <u>442</u>	DRIVER <u>Eddie</u>
BULK TRUCK	
#	DRIVER

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	@	
MILEAGE		
		TOTAL

REMARKS:

Run line of 8" casing + Lgs. Holed to  
Rig + Borehole circulation. Holed to tank  
+ pumped 150 sacks of cement + displaced 150 bbls  
oil + 30 + Shut Day

Cement did (quantity to surface)

CHARGE TO: Shakespeare Oil Co.  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
	@	
	@	
		TOTAL

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
		TOTAL

Global Oil Field Services, LLC  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Roberts  
SIGNATURE Doug Roberts

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln  
RUSSELL, KS 67665

# Invoice

Date	Invoice #
10/31/2019	13878

Bill To
SHAKESPEARE OIL COMPANY INC 202 W MAIN SALEM,IL 62881

*IAT*

P.O. No.	Terms	Project
CONNER #1-6	Due on receipt	

Quantity	Description	Rate	Amount
290	60/40 POZMIX CEMENT	13.75	3,987.50
11	BENTONITE GEL	30.00	330.00
72.5	FLO-SEAL	2.00	145.00
301	HANDLING	1.90	571.90
	BULK MILEAGE	1,100.00	1,100.00
1	TRI-PLEX PUMP CHARGE FOR PLUG	850.00	850.00
45	HEAVY EQUIPMENT. ONE WAY	6.50	292.50
45	LMV- ONE WAY	2.75	123.75
	<u>DRY HOLE PLUG</u>	62.50	62.50
	15% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE	8.50%	0.00
	SCOTT CO SALES TAX		

**RECEIVED**  
NOV 04 2019

*502-5  
or  
502-17  
DH*

Thank you for your business.

Phone #	Fax #
785-445-3525	785-445-3526

**Total** \$7,463.15

*DW*

# GLOBAL OIL FIELD SERVICES, LLC

13878

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>10-21-19</u>	SEC. <u>6</u>	TWP. <u>16 S</u>	RANGE <u>32 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>11:00 AM</u>
LEASE <u>Conner</u>	WELL #. <u>1-6</u>	LOCATION <u>Scott Co Line 1 W Sointo</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR South Wind Drilling Rig # 8

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4775'

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

EQUIPMENT \_\_\_\_\_

PUMP TRUCK # 409 CEMENTER Cody HELPER Tom

BULK TRUCK # 492 DRIVER Jack

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER Shakespeare Oil Co

CEMENT AMOUNT ORDERED 290 sks 60/40 Per 2 1/2 gal 4" per Flow Seal

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

REMARKS:

2430' 50 sks

1770' 80 sks

380' 50 sks

300' 40 sks

60' 20 sks

Misc note 20 sks

Rat hole 30 sks

CHARGE TO: Shakespeare Oil Co.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Roberts

SIGNATURE Doug W. Robert

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



# Tim J. Lauer

## Petroleum Geologist

Office 316.832.0530  
Cell 316.253.1275

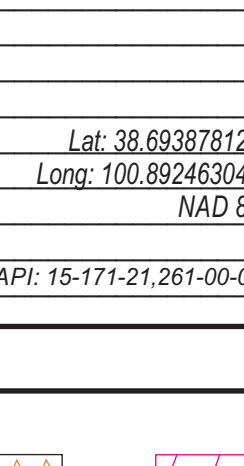
### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY	Shakespeare Oil Company, Inc	
LEASE	# 1-6 Conner	
FIELD	APPX C SE NE	
LOCATION	1945' FNL, 625' FEL, NE/4	
SEC	6	TWSP 16s RGE 32w
COUNTY	Scott	STATE Kansas
CONTRACTOR	Southwind Drilling Rig #8	
SPUD	10-11-2019	COMP 10-21-2019
RTD	4775'	LTD 4774'
MUD UP	3430'	TYPE MUD Chemical
SAMPLES SAVED FROM	3800'	TO RTD
DRILLING TIME KEPT FROM	3800'	TO RTD
SAMPLES EXAMINED FROM	3800'	TO RTD
GEOLOGICAL SUPERVISION FROM	3740'	TO RTD
GEOLOGIST ON WELL	Tim J. Lauer	

ELEVATIONS	KB 3025'
DF	
GL	3015'
Measurements Are All From	Kelly Bushing
CASING	
CONDUCTOR	8-5/8" @ 264'
PRODUCTION	
ELECTRICAL SURVEYS	Pioneer OH: DCLP, DIL, MJ Engineer: Ian Mabb

FORMATION TOPS	ELECTRIC LOG	SAMPLE LOG
Base Anhydrite	2430 (+595)	2431 (+594)
Heebner	3962 (-937)	3963 (-938)
Lansing	4002 (-977)	4002 (-977)
Stark	4266 (-1241)	4264 (-1239)
Marmaton	4400 (-1375)	4403 (-1378)
Pawnee	4480 (-1455)	4481 (-1456)
Cherokee Shale	4558 (-1533)	4560 (-1535)
Johnson Zone	4602 (-1577)	4604 (-1579)
Mississippian	4694 (-1669)	4695 (-1670)
Total Depth	4774 (-1749)	4775 (-1750)



ELEVATIONS  
KB 3025'  
GL 3015'

COMPANY & WELL  
Shakespeare #1-6 Conner  
LOCATION  
945' FNL, 625' FEL, NE/4

SEC 6 TWSP 16s RGE 32w  
STATE Kansas  
COUNTY Scott

REMARKS  
Due to drill stem test results, and log evaluation, operator elected to plug and abandon the location without any further testing.

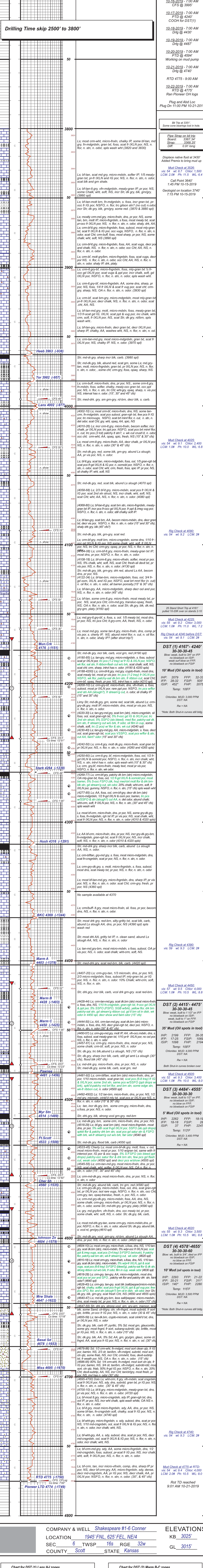
Respectfully submitted,  
Tim J. Lauer  
10/22/2019

Lat: 38.693978124  
Long: 100.892463047  
NAD 83  
API: 15-171-21,261-00-00

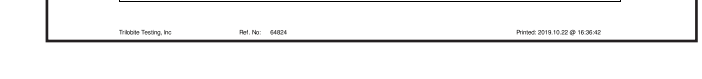
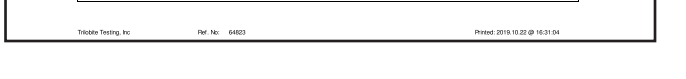
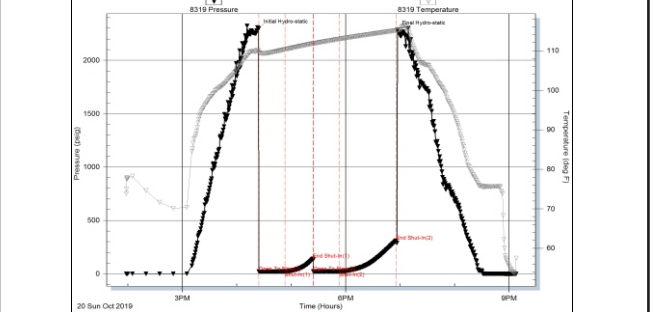
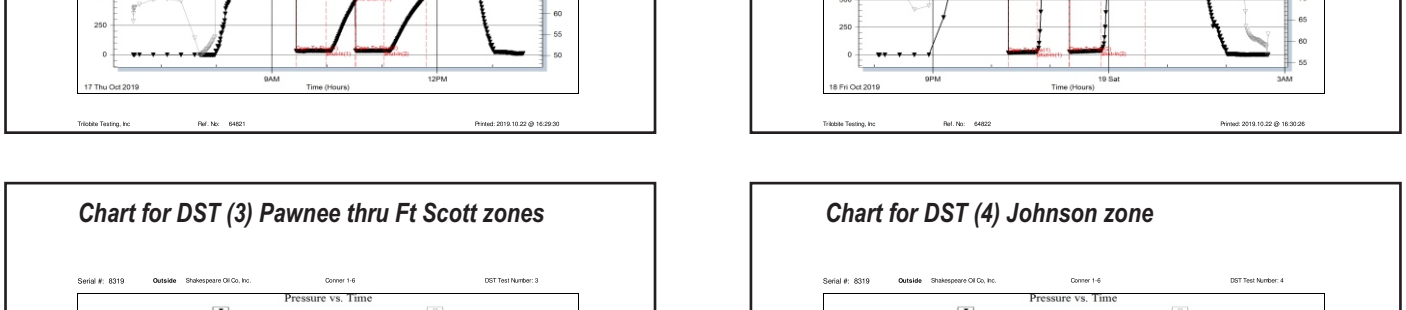
### LEGEND

Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS	Chert	Dolomite
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DEPTH	SAMPLE DESCRIPTION	REMARKS
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COMPANY & WELL	Shakespeare #1-6 Conner	ELEVATIONS	KB 3025'
LOCATION	1945' FNL, 625' FEL, NE/4	DF	
SEC	6 TWSP 16s RGE 32w	GL	3015'
COUNTY	Scott	STATE	Kansas





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64821

**DST#: 1**

ATTN: Tim Lauer

Test Start: 2019.10.17 @ 06:29:00

## GENERAL INFORMATION:

Formation: **4167**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 09:26:15  
 Tester: Bradley Walter  
 Time Test Ended: 13:33:15  
 Unit No: 78  
 Interval: **4167.00 ft (KB) To 4240.00 ft (KB) (TVD)**  
 Reference Elevations: 3025.00 ft (KB)  
 Total Depth: 4240.00 ft (KB) (TVD)  
 3015.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 10.00 ft

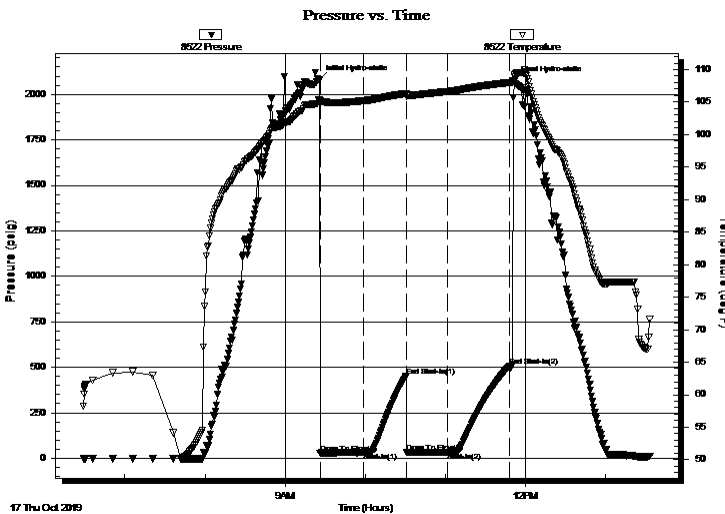
## Serial #: 8522

Inside

Press@RunDepth: 33.04 psig @ 4168.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2019.10.17 End Date: 2019.10.17 Last Calib.: 2019.10.17  
 Start Time: 06:29:05 End Time: 13:33:14 Time On Btm: 2019.10.17 @ 09:26:00  
 Time Off Btm: 2019.10.17 @ 11:51:45

TEST COMMENT: 30- IF: 3/4" blow .  
 30- IS: No return.  
 30- FF: Surface blow .  
 45- FSI: No return.

## PRESSURE SUMMARY



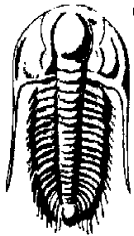
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.78	105.43	Initial Hydro-static
1	28.46	104.88	Open To Flow (1)
33	31.77	105.20	Shut-In(1)
65	452.08	106.30	End Shut-In(1)
66	31.57	105.99	Open To Flow (2)
96	33.04	106.63	Shut-In(2)
142	505.30	107.99	End Shut-In(2)
146	2074.69	108.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m (Oil spots in tool)	0.14

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64821

**DST#: 1**

ATTN: Tim Lauer

Test Start: 2019.10.17 @ 06:29:00

## GENERAL INFORMATION:

Formation: **4167**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:26:15

Time Test Ended: 13:33:15

**Interval: 4167.00 ft (KB) To 4240.00 ft (KB) (TVD)**

Total Depth: 4240.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Reference Elevations: 3025.00 ft (KB)

3015.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8319 Outside**

Press@RunDepth: psig @ 4168.00 ft (KB)

Start Date: 2019.10.17 End Date: 2019.10.17

Start Time: 06:29:05 End Time: 13:33:14

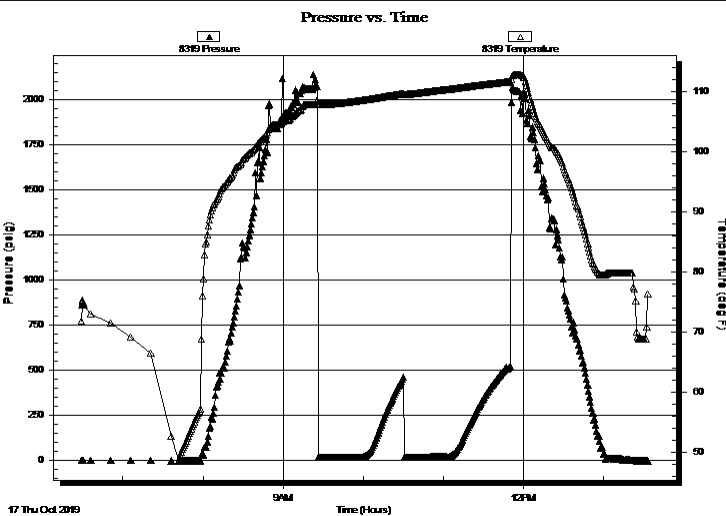
Capacity: 8000.00 psig

Last Calib.: 2019.10.17

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF: 3/4" blow.  
30- IS: No return.  
30- FF: Surface blow.  
45- FSI: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m (Oil spots in tool)	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64821

**DST#: 1**

ATTN: Tim Lauer

Test Start: 2019.10.17 @ 06:29:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100m (Oil spots in tool)	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

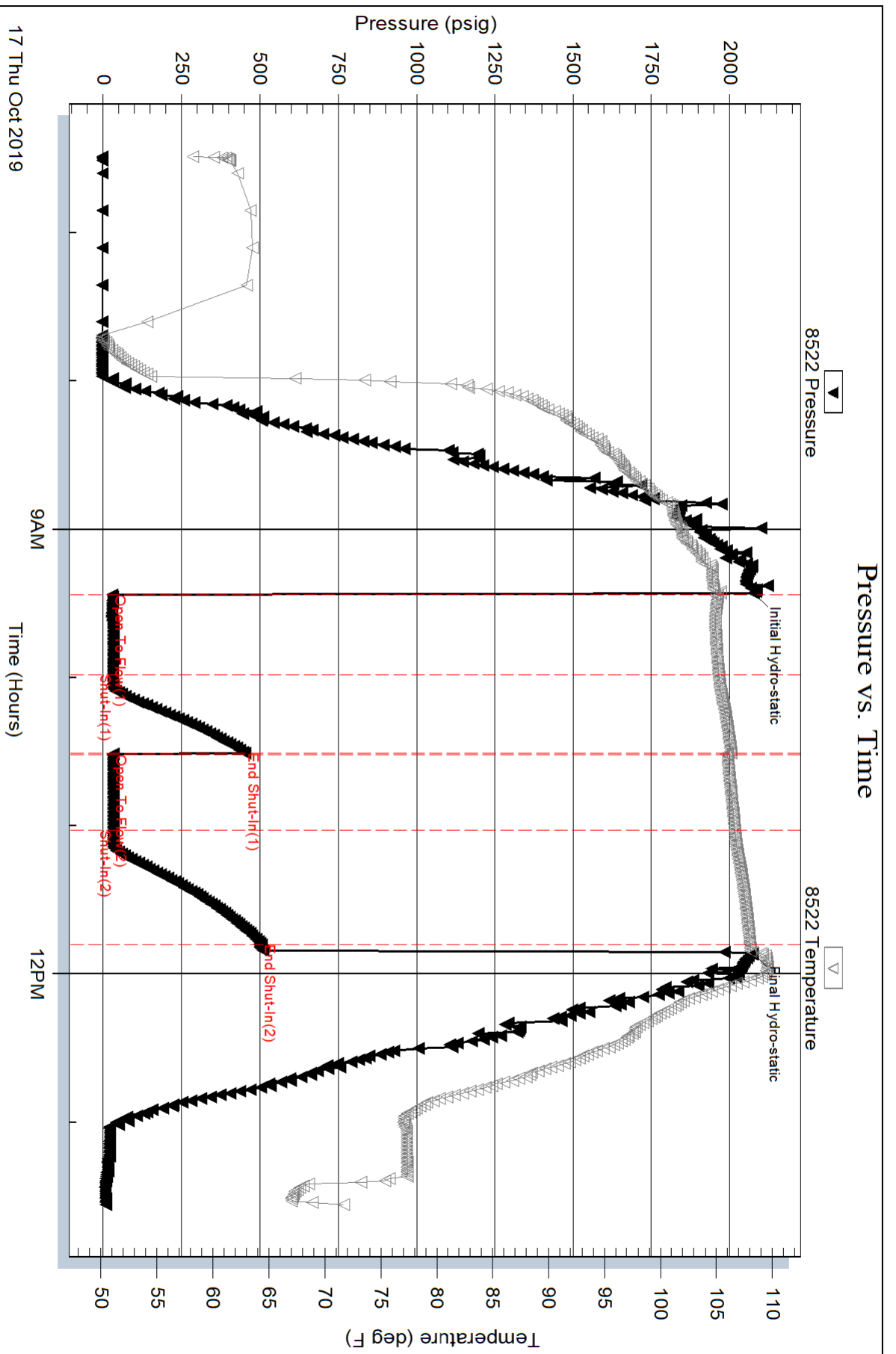
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

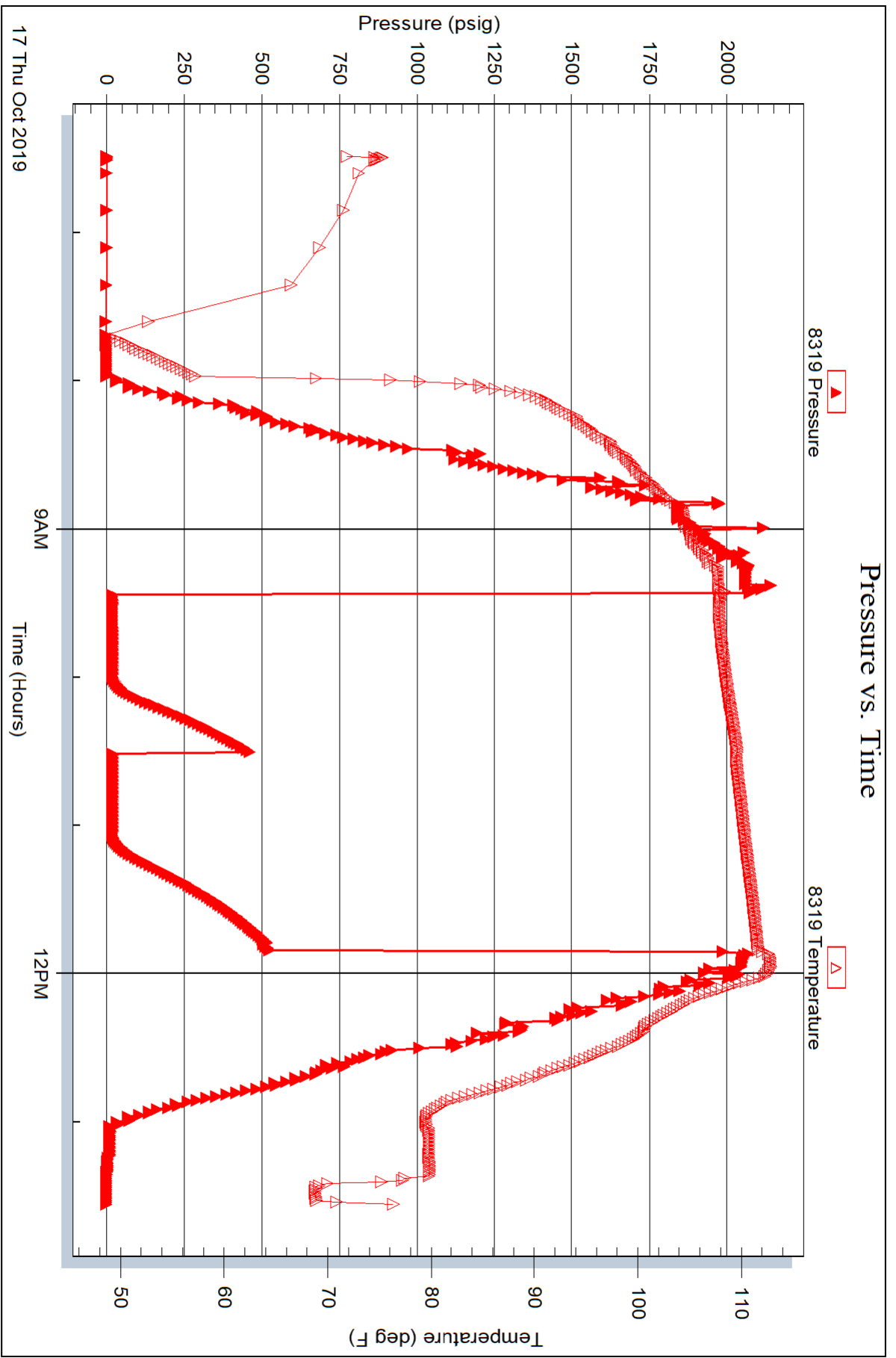


Serial #: 8319

Outside Shakespeare Oil Co, Inc.

Conner 1-6

DST Test Number: 1





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64822

**DST#: 2**

ATTN: Tim Lauer

Test Start: 2019.10.18 @ 20:04:00

## GENERAL INFORMATION:

Formation: **Marmaton B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:15

Time Test Ended: 02:43:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4415.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Reference Elevations: 3025.00 ft (KB)

Total Depth: 4475.00 ft (KB) (TVD)

3015.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8319 Outside**

Press@RunDepth: 35.02 psig @ 4416.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.18

End Date:

2019.10.19

Last Calib.: 2019.10.19

Start Time: 20:04:05

End Time:

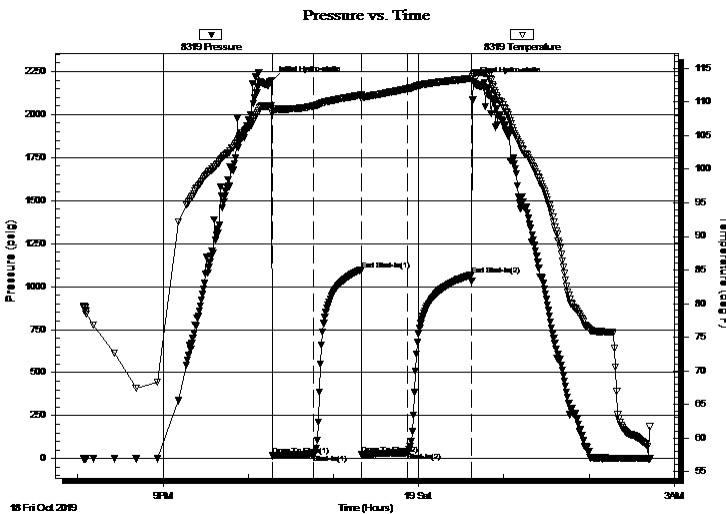
02:42:59

Time On Btm: 2019.10.18 @ 22:16:45

Time Off Btm: 2019.10.19 @ 00:38:45

TEST COMMENT: 30- IF: 1 1/2" blow .  
30- IS: No return.  
30- FF: 1" blow .  
45- FSI: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.52	109.51	Initial Hydro-static
1	16.88	108.30	Open To Flow (1)
30	24.90	109.41	Shut-In(1)
63	1098.00	111.02	End Shut-In(1)
63	26.42	110.53	Open To Flow (2)
96	35.02	111.97	Shut-In(2)
141	1069.31	113.52	End Shut-In(2)
142	2194.00	114.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	mud 100m (Oil spots in tool)	0.49

## Gas Rates

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

\* Recovery from multiple tests



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

6 16s 32w Scott, Ks

202 W Main St.  
Salem, IL 62881

Conner 1-6

ATTN: Tim Lauer

Job Ticket: 64822

DST#: 2

Test Start: 2019.10.18 @ 20:04:00

### GENERAL INFORMATION:

Formation: **Marmaton B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:15

Time Test Ended: 02:43:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4415.00 ft (KB) To 4475.00 ft (KB) (TVD)

Reference Elevations: 3025.00 ft (KB)

Total Depth: 4475.00 ft (KB) (TVD)

3015.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Inside**

Press@RunDepth: psig @ 4416.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.10.18 End Date: 2019.10.19

Last Calib.: 2019.10.19

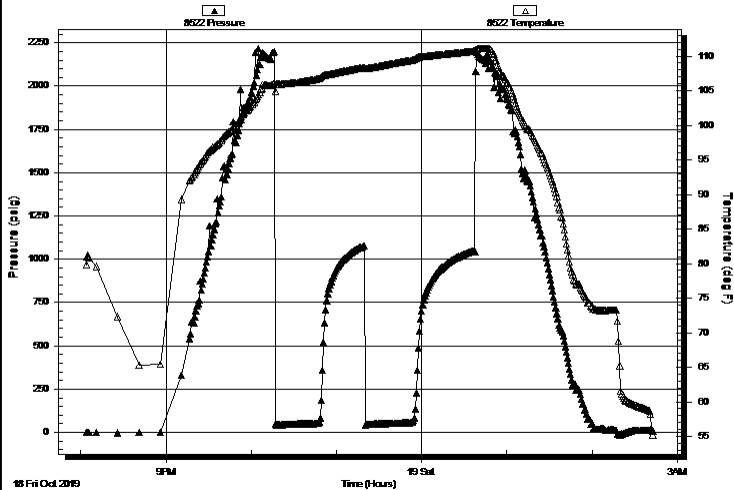
Start Time: 20:04:05 End Time: 02:42:59

Time On Btm:

Time Off Btm:

**TEST COMMENT:**  
30- IF: 1 1/2" blow.  
30- IS: No return.  
30- FF: 1" blow.  
45- FS: No return.

### Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
35.00	mud 100m (Oil spots in tool)	0.49

### Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64822

**DST#: 2**

ATTN: Tim Lauer

Test Start: 2019.10.18 @ 20:04:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	mud 100m (Oil spots in tool)	0.491

Total Length: 35.00 ft      Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

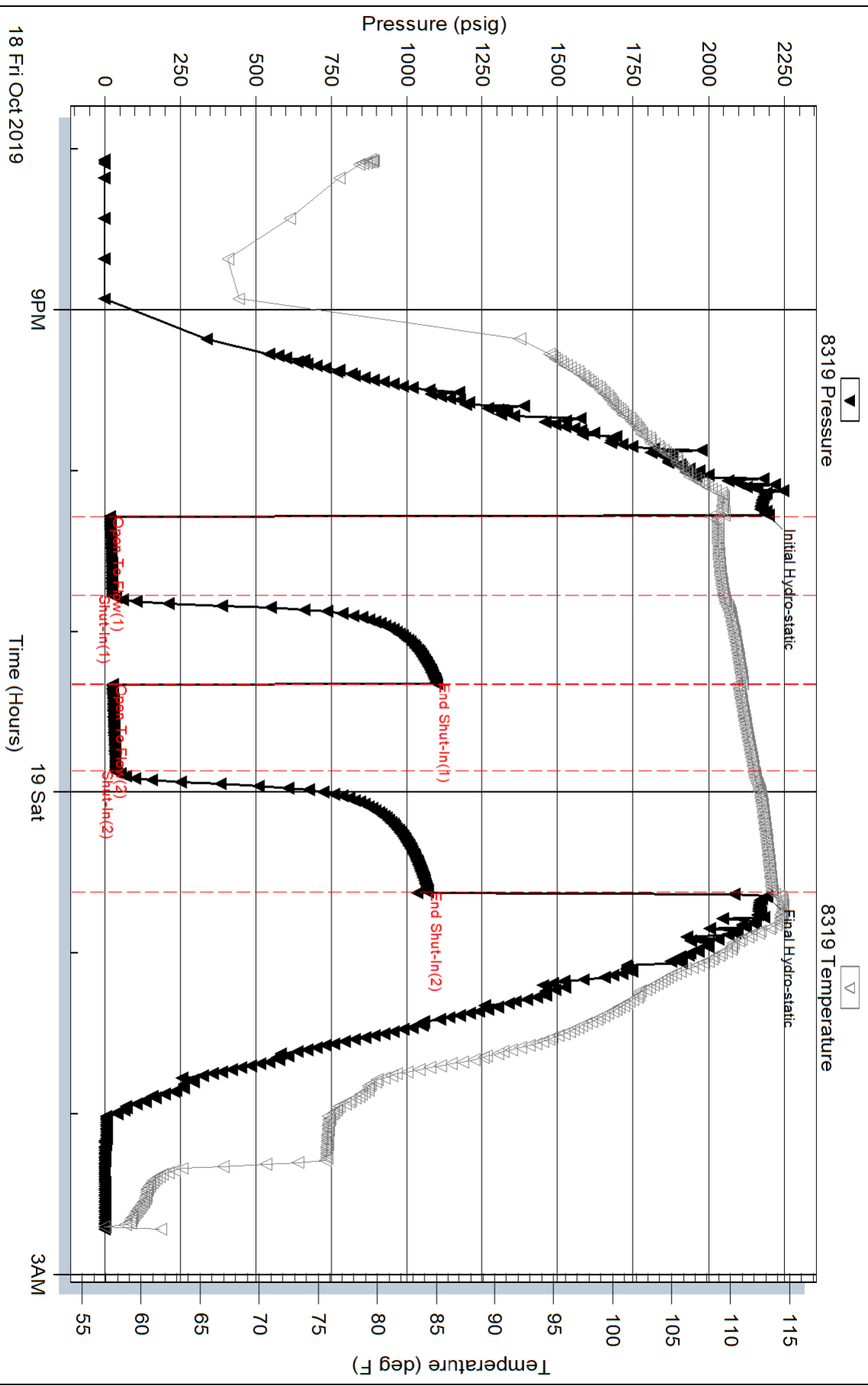
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



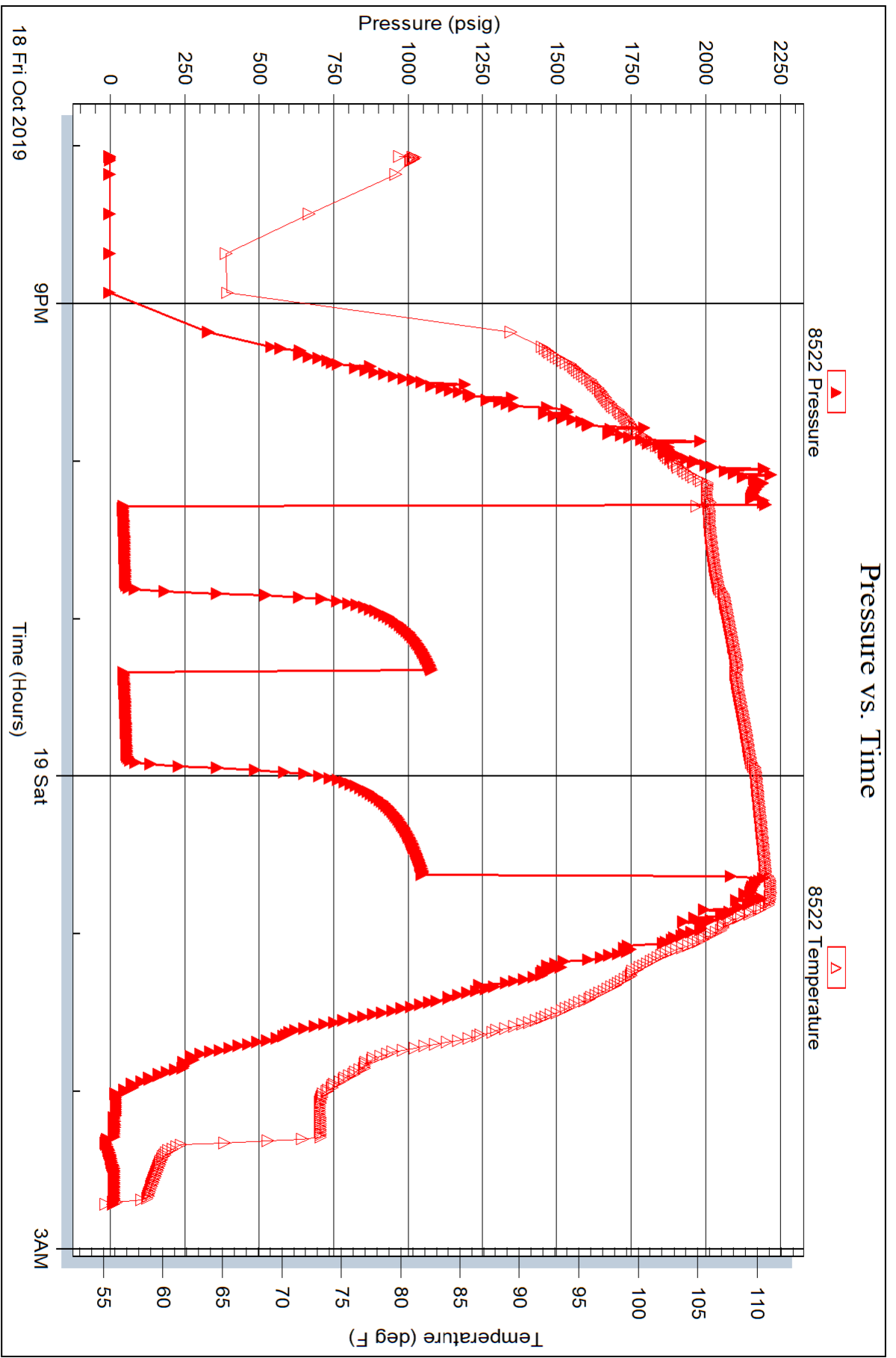
Serial #: 8522

Inside

Shakespeare Oil Co, Inc.

Conner 1-6

DST Test Number: 2





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64823

**DST#: 3**

ATTN: Tim Lauer

Test Start: 2019.10.19 @ 16:17:00

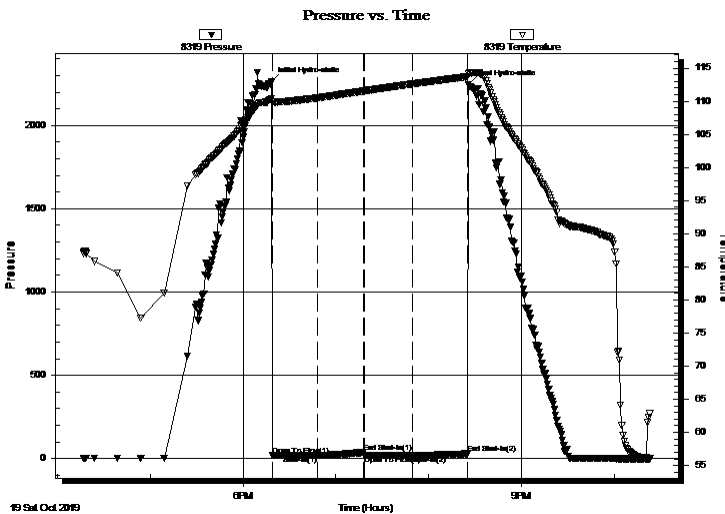
## GENERAL INFORMATION:

Formation: **Pawnee- Ft Scott**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 18:19:15 Tester: Bradley Walter  
 Time Test Ended: 22:23:00 Unit No: 78  
 Interval: **4484.00 ft (KB) To 4555.00 ft (KB) (TVD)** Reference Elevations: 3025.00 ft (KB)  
 Total Depth: 4555.00 ft (KB) (TVD) 3015.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 18.55 psig @ 4485.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2019.10.19 End Date: 2019.10.19 Last Calib.: 2019.10.19  
 Start Time: 16:17:05 End Time: 22:22:59 Time On Btm: 2019.10.19 @ 18:18:30  
 Time Off Btm: 2019.10.19 @ 20:25:45

**TEST COMMENT:** 30- IF: 1/2" blow receded to surface.  
 30- IS: no return.  
 30- FF: No blow .  
 30- FSI: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.52	110.37	Initial Hydro-static
1	18.38	109.92	Open To Flow (1)
30	17.89	110.50	Shut-In(1)
60	36.96	111.53	End Shut-In(1)
60	17.92	111.54	Open To Flow (2)
91	18.55	112.59	Shut-In(2)
127	28.33	113.67	End Shut-In(2)
128	2246.85	114.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m (Oil spots in tool)	0.07

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64823

**DST#: 3**

ATTN: Tim Lauer

Test Start: 2019.10.19 @ 16:17:00

## GENERAL INFORMATION:

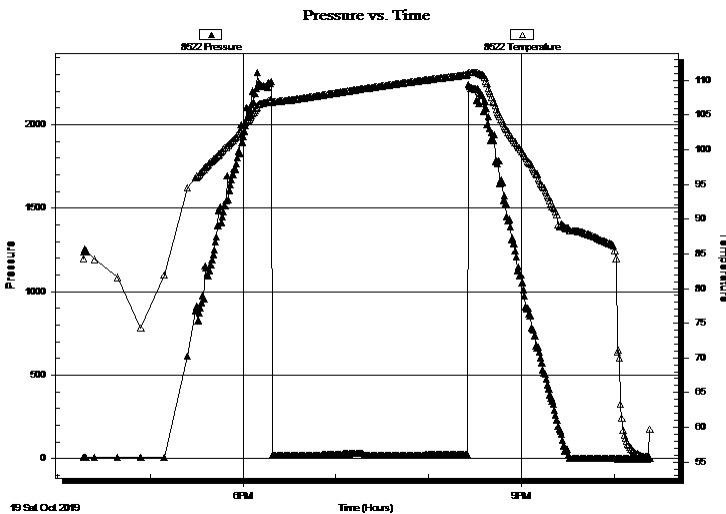
Formation: **Pawnee- Ft Scott**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:19:15  
Time Test Ended: 22:23:00  
Interval: **4484.00 ft (KB) To 4555.00 ft (KB) (TVD)**  
Total Depth: 4555.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Bradley Walter  
Unit No: 78  
Reference Elevations: 3025.00 ft (KB)  
3015.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8522 Inside**

Press@RunDepth: psig @ 4485.00 ft (KB)  
Start Date: 2019.10.19 End Date: 2019.10.19  
Start Time: 16:17:05 End Time: 22:22:59  
Capacity: 8000.00 psig  
Last Calib.: 2019.10.19  
Time On Btm:  
Time Off Btm:

TEST COMMENT: 30- IF: 1/2" blow receded to surface.  
30- IS: no return.  
30- FF: No blow .  
30- FS: No return.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100m (Oil spots in tool)	0.07

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64823

**DST#: 3**

ATTN: Tim Lauer

Test Start: 2019.10.19 @ 16:17:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100m (Oil spots in tool)	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

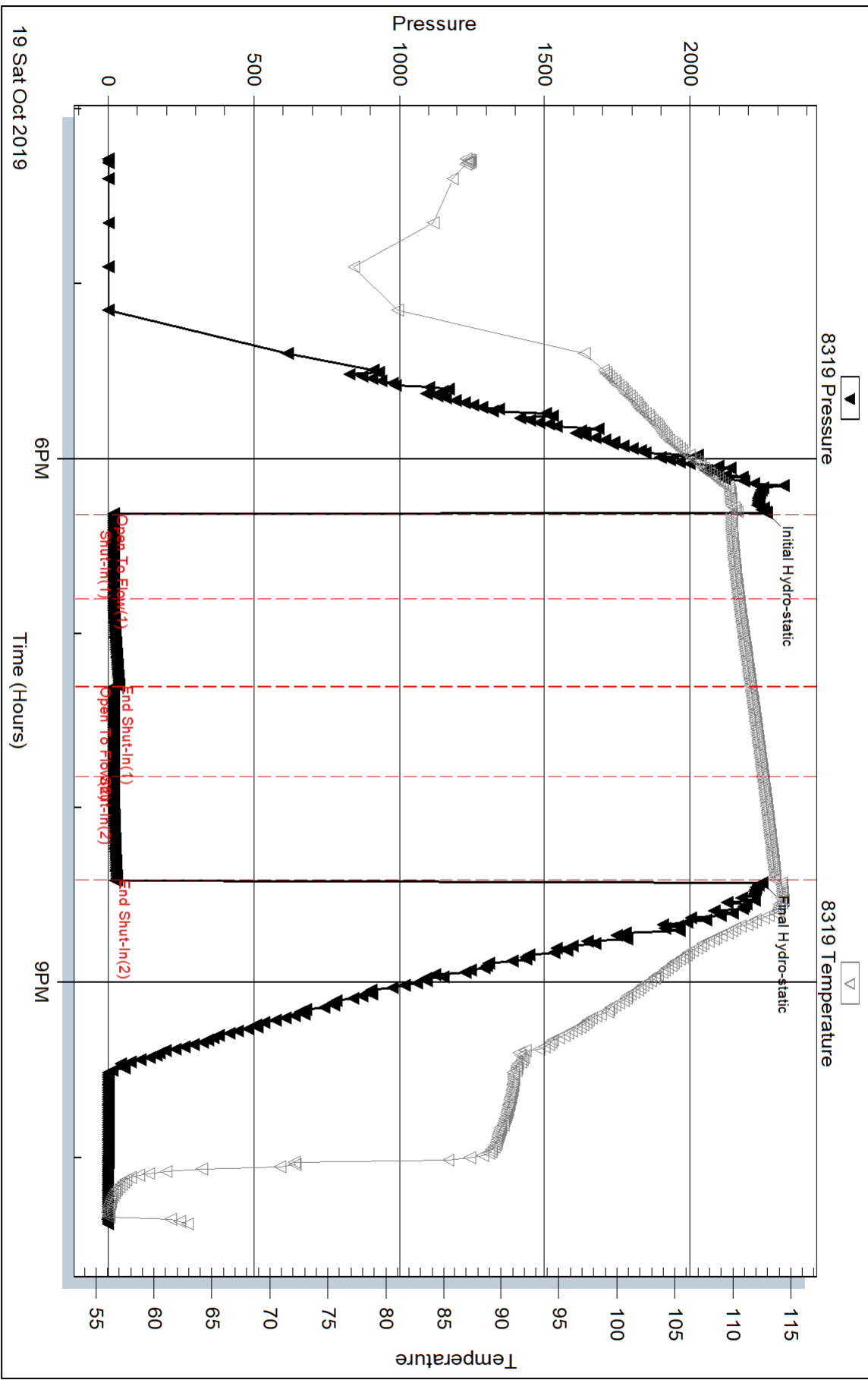
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



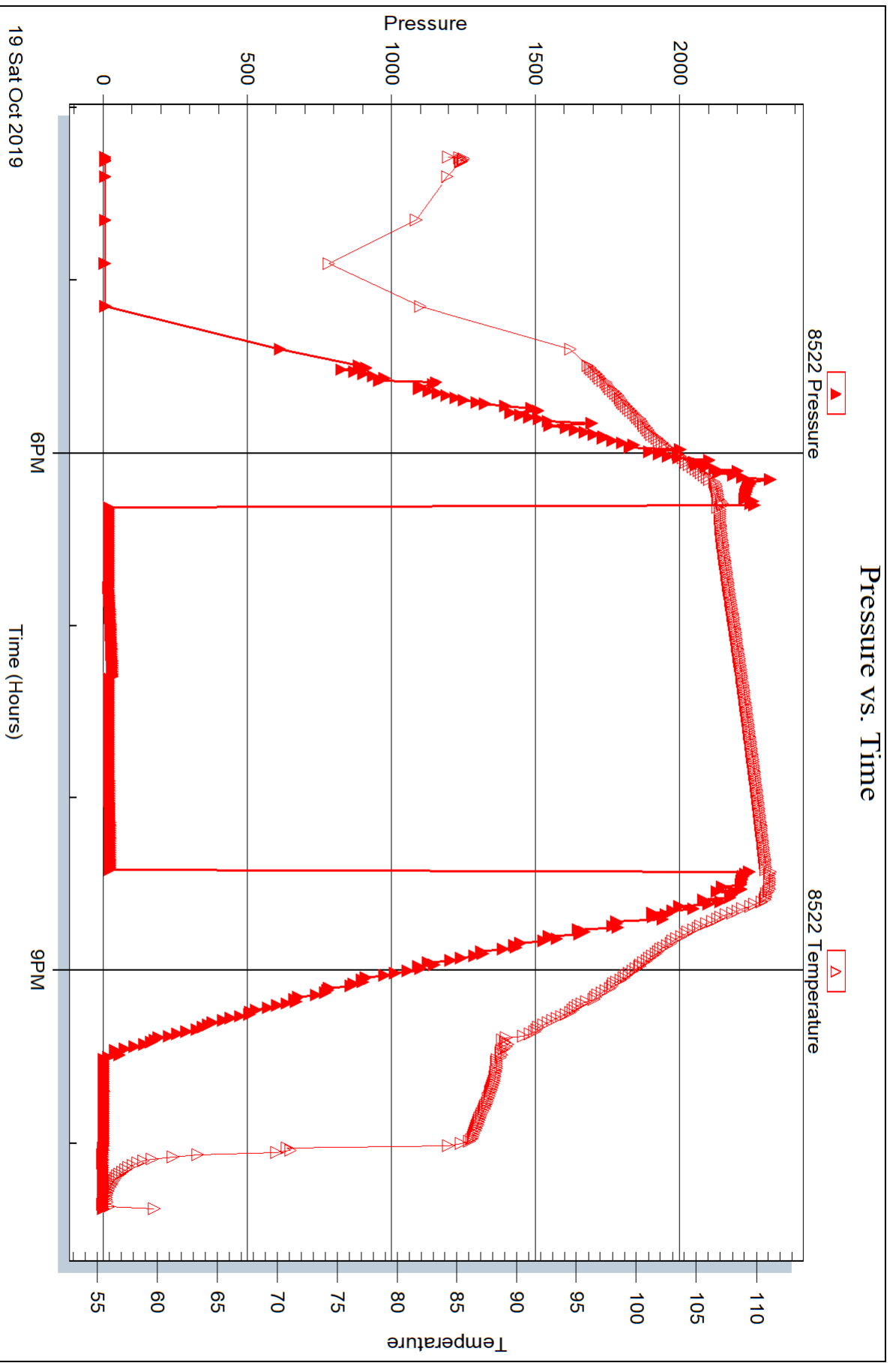
Serial #: 8522

Inside

Shakespeare Oil Co, Inc.

Conner 1-6

DST Test Number: 3







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64824

**DST#: 4**

ATTN: Tim Lauer

Test Start: 2019.10.20 @ 13:58:00

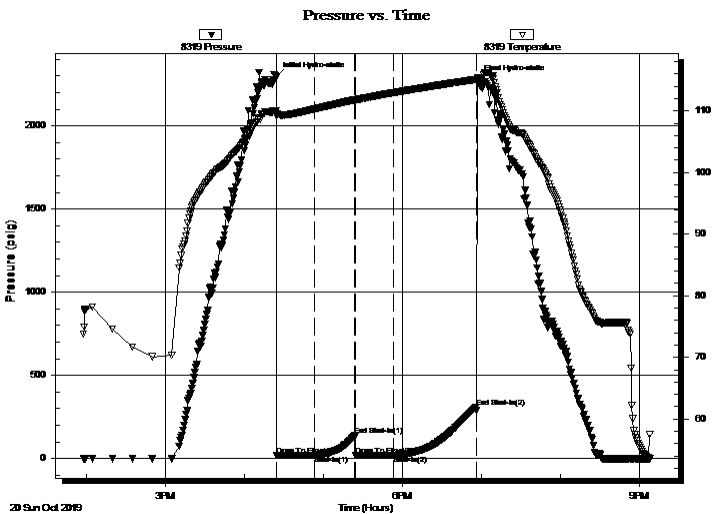
## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 16:24:15  
 Tester: Bradley Walter  
 Time Test Ended: 21:08:00  
 Unit No: 78  
 Interval: **4578.00 ft (KB) To 4655.00 ft (KB) (TVD)**  
 Reference Elevations: 3025.00 ft (KB)  
 Total Depth: 4655.00 ft (KB) (TVD)  
 3015.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 KB to GR/CF: 10.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 21.67 psig @ 4579.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2019.10.20 End Date: 2019.10.20 Last Calib.: 2019.10.20  
 Start Time: 13:58:05 End Time: 21:07:59 Time On Btm: 2019.10.20 @ 16:24:00  
 Time Off Btm: 2019.10.20 @ 18:56:45

**TEST COMMENT:** 30- IF: 3/4" blow .  
 30- IS: No return.  
 30- FF: No blow .  
 60- FSI: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2293.16	110.08	Initial Hydro-static
1	20.18	109.14	Open To Flow (1)
29	21.35	110.30	Shut-In(1)
60	139.90	111.82	End Shut-In(1)
61	21.05	111.80	Open To Flow (2)
89	21.67	112.95	Shut-In(2)
152	310.72	115.11	End Shut-In(2)
153	2279.60	115.43	Final Hydro-static

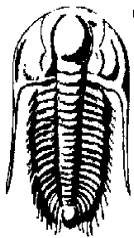
## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m (Oil spots)	0.14

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64824

**DST#: 4**

ATTN: Tim Lauer

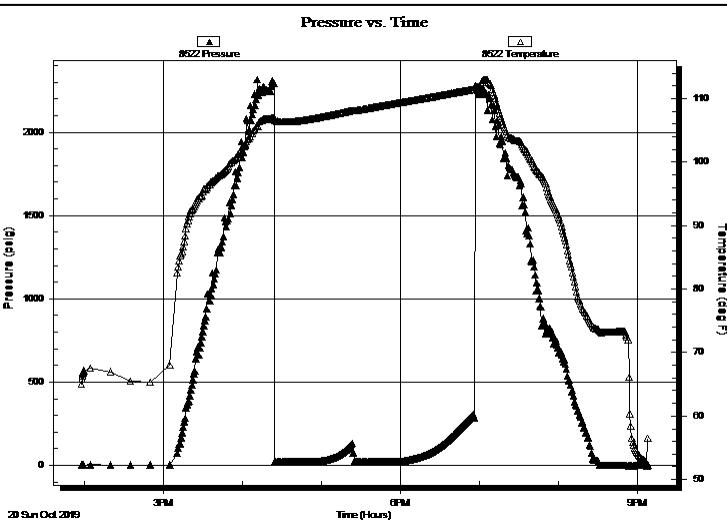
Test Start: 2019.10.20 @ 13:58:00

## GENERAL INFORMATION:

Formation: <b>Johnson</b>				
Deviated: No Whipstock:		ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 16:24:15			Tester: Bradley Walter	
Time Test Ended: 21:08:00			Unit No: 78	
<b>Interval: 4578.00 ft (KB) To 4655.00 ft (KB) (TVD)</b>			Reference Elevations: 3025.00 ft (KB)	
Total Depth: 4655.00 ft (KB) (TVD)			3015.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Good		KB to GR/CF: 10.00 ft	

<b>Serial #: 8522</b>	<b>Inside</b>				
Press@RunDepth:	psig @	4579.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2019.10.20	End Date:	2019.10.20	Last Calib.:	2019.10.20
Start Time:	13:58:05	End Time:	21:07:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30- IF: 3/4" blow .  
30- IS: No return.  
30- FF: No blow .  
60- FSI: No return.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m (Oil spots)	0.14

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc.

**6 16s 32w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Conner 1-6**

Job Ticket: 64824

**DST#: 4**

ATTN: Tim Lauer

Test Start: 2019.10.20 @ 13:58:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100m (Oil spots)	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

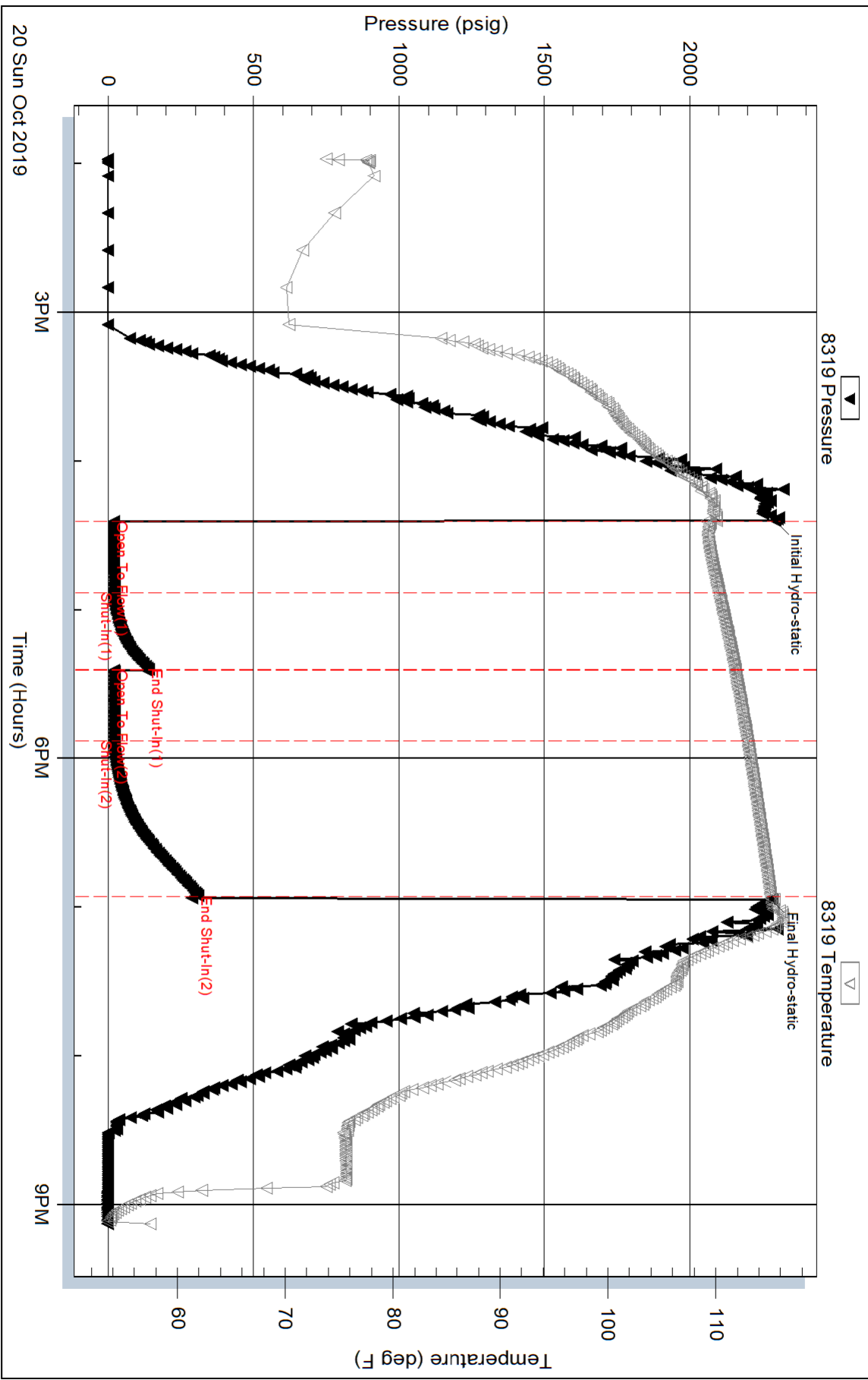
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



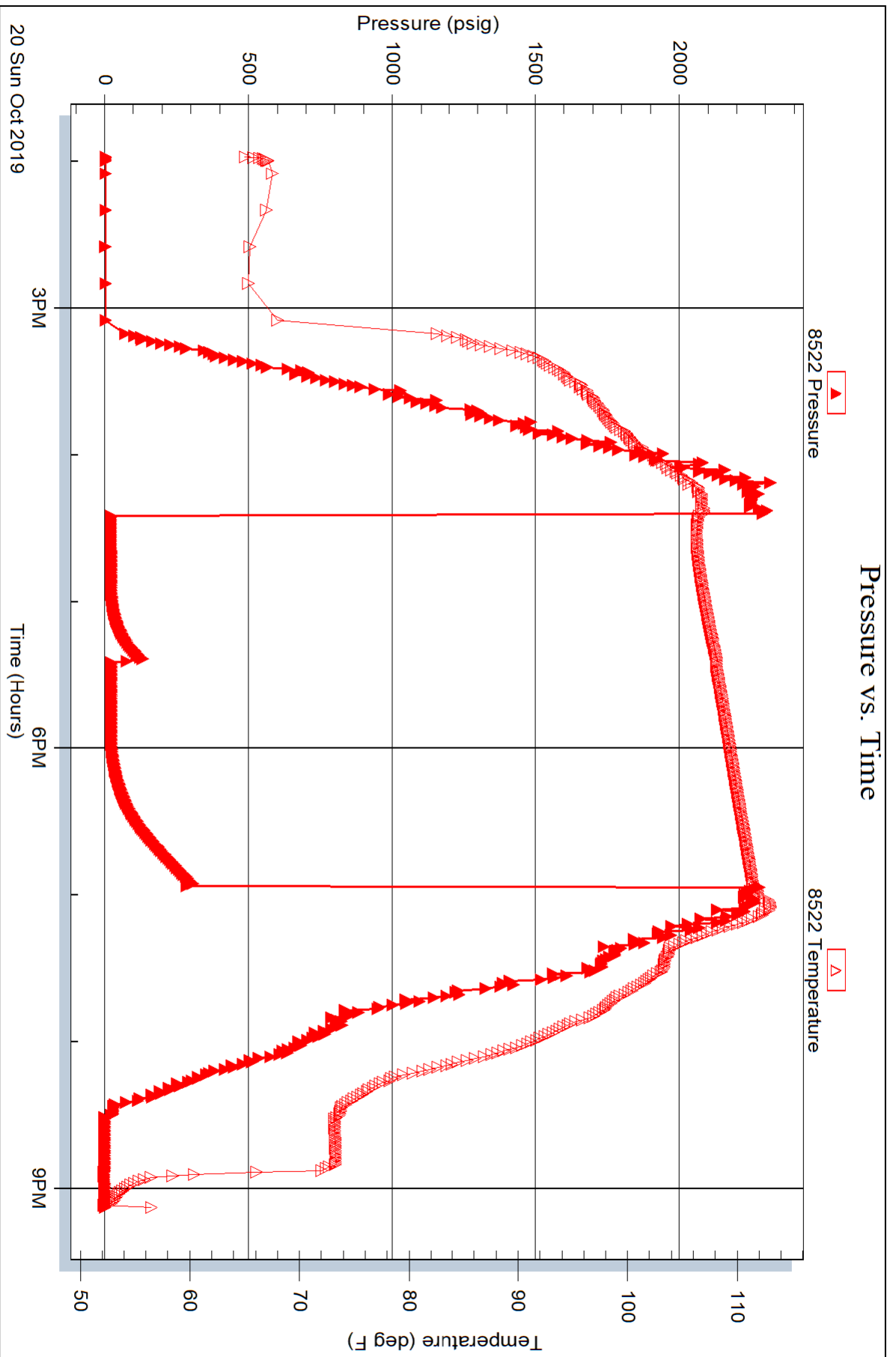
Serial #: 8522

Inside

Shakespeare Oil Co, Inc.

Conner 1-6

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 64824

Printed: 2019.10.20 @ 21:44:40