

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	STOECKER 1-13
Doc ID	1364434

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	STOECKER 1-13
Doc ID	1364434

Tops

Name	Top	Datum
Anhydrite	1421	+853
Heebner	3860	-1586
Lansing	3957	-1683
Muncie Creek	4112	-1838
Stark Shale	4223	-1949
Marmaton	4308	-2034
Pawnee	4439	-2165
Fort Scott	4486	-2212
Mississippian	4576	-2302

SWIFT



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



Invoice

DATE	INVOICE #
7/29/2017	30714

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	#1-13	Stoecker	Hodgeman	Duke Drilling Rig ...	Oil	Development	Cement 8 5/8 Sur...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	5.00	200.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	1	Job	800.00	800.00
325	Standard Cement	150	Sacks	12.25	1,837.50T
278	Calcium Chloride	7	Sack(s)	40.00	280.00T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
290	D-Air	2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement	150	Sacks	1.50	225.00
582D	Minimum Drayage Charge	1	Each	250.00	250.00
	Subtotal				3,751.50
Customer Disc...	Customer Discount Per Ted			-10.00%	-375.15
	Subtotal				3,376.35
	Sales Tax Hodgeman County			7.65%	156.74

INT

RECEIVED
AUG 04 2017

10502-S
Jr

We Appreciate Your Business!	Total	\$3,533.09
-------------------------------------	--------------	------------

DW



CHARGE TO: Shakespeare O-1
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 30714
 PAGE 1 OF 1

SERVICE LOCATIONS: Wase City KS WELLPROJECT NO. #1-13 LEASE Stoecker COUNTY/PARISH Haskell STATE KS CITY Jetmore DATE 7-29-17 OWNER Same
 TICKET TYPE SALES CONTRACTOR Duke RIG NAME/NO. #5 SHIPPED VIA ET DELIVERED TO Location ORDER NO.
 WELL TYPE O-1 WELL CATEGORY Development JOB PURPOSE Cement 8 3/8 Surface Pipe WELL PERMIT NO.
 REFERRAL LOCATION Development INVOICE INSTRUCTIONS Cement 8 3/8 Surface Pipe WELL LOCATION Jetmore - 9S, SE, 1st E/S into

PRICE FERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE			40	m.	5.00	200.00
576.5					Pump Charge - Shallow Surface			1	job	800.00	800.00
325					Standard Cement			150	sk	12.25	1837.50
278					Calcium Chloride			3	%	40.00	280.00
279					Bentonite Gel			2	%	25.00	75.00
290					D-Air			2	gal	42.00	84.00
381					Service Charge Cement			150	sk	1.50	225.00
582					Minimum Drayage Charge			1	ea	250.00	250.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED 7-29-17 TIME SIGNED 1:30 P.M.
 X Kenneth M. Stone

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

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO
 WE UNDERSTOOD AND MET YOUR NEEDS? YES NO
 OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	TAX	TOTAL
3751	50	3533
375	15	3376
3376	135	150
150	14	3533
		109

SWIFT OPERATOR David Kuehn APPROVAL Thank You!

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

JOB LOG

SWIFT Services, Inc.

DATE 7-29-17 PAGE NO. 1

CUSTOMER Shakespeare Oil WELL NO. #1-B LEASE Stoecker JOB TYPE Surface Pipe TICKET NO. #30714

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							on location 8 7/8 23"
								RTD- 225' TP- 223
	1015							Start 8 7/8" 23# pipe in Hole
	1050							Break Circulation
	1130	4 1/2	5	✓	✓	100		Pump 5 bbl water Spacer
	1135	4 1/2	36		✓	100		mix 150 slts 2% Gel 3%cc @ 14.7 ppg
	1150	4 1/2	13 1/2		✓	200		Displace cement
		4 1/2	7 1/2		✓	300		circulate Cement to pit *25 slts*
	1200	∅	13 1/2		✓	300		Shut in *Valve Hold*
								wash up truck
	1230							Job Complete

Thank You
Dave Preston Dushy

SWIFT



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



Invoice

DATE	INVOICE #
8/5/2017	30573

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	#1-13	Stoecker	Hodgeman	Duke Drilling Rig ...	Oil	Development	PTA	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
576D-P	Pump Charge - PTA				1	Job	800.00	800.00
328-4	60/40 Pozmix (4% Gel)				220	Sacks	10.25	2,255.00T
276	Flocele				75	Lb(s)	2.25	168.75T
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				220	Sacks	1.50	330.00
583D	Drayage				369.1	Ton Miles	0.75	276.83
	Subtotal							4,114.58
Customer Disc...	Customer Discount Per Ted						-10.00%	-411.46
	Subtotal							3,703.12
	Sales Tax Hodgeman County						7.65%	172.66
RECEIVED						AUG 11 2017		
We Appreciate Your Business!						Total		\$3,875.78

INT

10502-5
KW

DW



CHARGE TO: Salesperson
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 30573

WELL/PROJECT NO. 1-13 LEASE Steeder COUNTY/PARISH Madagascar STATE KS CITY Juntura DATE 5 AUG-17 OWNER _____

PAGE 1 OF 1

TICKET TYPE SERVICE SALES CONTRACTOR _____ RIG NAME NO. 5 SHIPPED VIA _____ DELIVERED TO _____ ORDER NO. _____

WELL TYPE RTA WELL CATEGORY Rig to Abandon JOB PURPOSE Plug to Abandon WELL PERMIT NO. _____ WELL LOCATION 13-24-13

INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575												
576P					Pump Charge	40 mi	1 ea				800.00	800.00
338-4					60/40 grout (496 gal)	220 sk					10.25	2255.70
276					Flare	75 lb					2.25	168.75
290					D-air	2 gal					42.00	84.00
581					Service charge	220 sk					1.50	330.00
583					Drayage	18454 lb		349.1		701	0.75	276.83

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 _____ P.M. A.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	4114.58
WE UNDERSTOOD AND MET YOUR NEEDS?				1022.23	3703.12
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				50.7	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Madagascar	192.66
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	3895.18

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 _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 5 AUG 17 PAGE NO. 1
TICKET NO. 30573

CUSTOMER Shakspere WELL NO. 1-13 LEASE Streaker JOB TYPE Plug to Abandon

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								220 sk 60/40 premix (40% gel) w/ 1/4" floccle 1/2" drill pipe plug @ 1470 50sk 600 50sk 270 50sk 60 20sk RH - MH
	1700							m loc TRK 114
	1750							circ hole
	1757	4	13					200 mix 1st plug 1470' 50sk @ 13.1 fpg Displace pull to 600'
	1817							
	1840	4	13					100 mix 2nd 60/40 (40%) 50sk @ 13.1 fpg Displace pull to 270'
	1857							
	1907	4	13					100 mix 3rd 60/40 (40%) 50sk @ 13.1 fpg Displace pull to 60'
	1936	2 1/2	6					Ø mix 4th 60/40 (40%) 20sk @ 13.1 fpg Plug MH - RH 20sk - 30sk → cement standing at surface ← wash truck 220 sk total Pack up
	1947							
	2020							job complete Thanks Blaine, Flat & Dave



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co.

13/24/23

202 W Main St.
Salem, IL 62881

Stoecker 1-13

Job Ticket: 59468

DST#: 1

ATTN: Toby Eck

Test Start: 2017.08.04 @ 08:15:02

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: 2263.00 ft (KB)

Time Tool Opened: 11:05:49

Time Test Ended: 15:27:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 75

Interval: 4581.00 ft (KB) To 4595.00 ft (KB) (TVD)

Reference Elevations: 2274.00 ft (KB)

Total Depth: 4595.00 ft (KB) (TVD)

2263.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8289

Inside

Press@RunDepth: 40.07 psig @ 4592.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.08.04

End Date:

2017.08.04

Last Calib.: 1899.12.30

Start Time: 08:15:02

End Time:

15:27:49

Time On Btm: 2017.08.04 @ 11:05:19

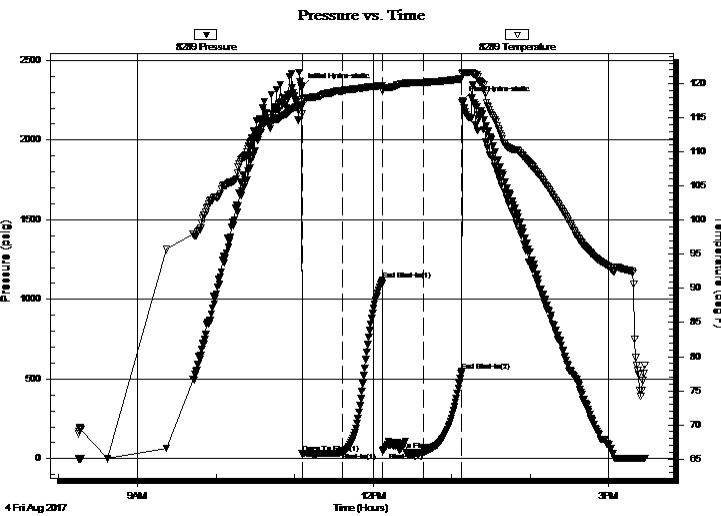
Time Off Btm: 2017.08.04 @ 13:08:10

TEST COMMENT: IF: 1 inch in 10 min., died to weak surface blow

IS: No blow back

FF: No blow

FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2325.48	116.71	Initial Hydro-static
1	31.32	116.82	Open To Flow (1)
32	42.45	118.92	Shut-In(1)
62	1122.72	119.72	End Shut-In(1)
62	49.80	119.02	Open To Flow (2)
94	40.07	120.19	Shut-In(2)
123	546.68	120.71	End Shut-In(2)
123	2247.70	121.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	oil spotted mud 100%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

13/24/23

202 W Main St.
Salem, IL 62881

Stoecker 1-13

Job Ticket: 59468

DST#: 1

ATTN: Toby Eck

Test Start: 2017.08.04 @ 08:15:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

3900 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	oil spotted mud 100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=1.295@85F=3900ppm

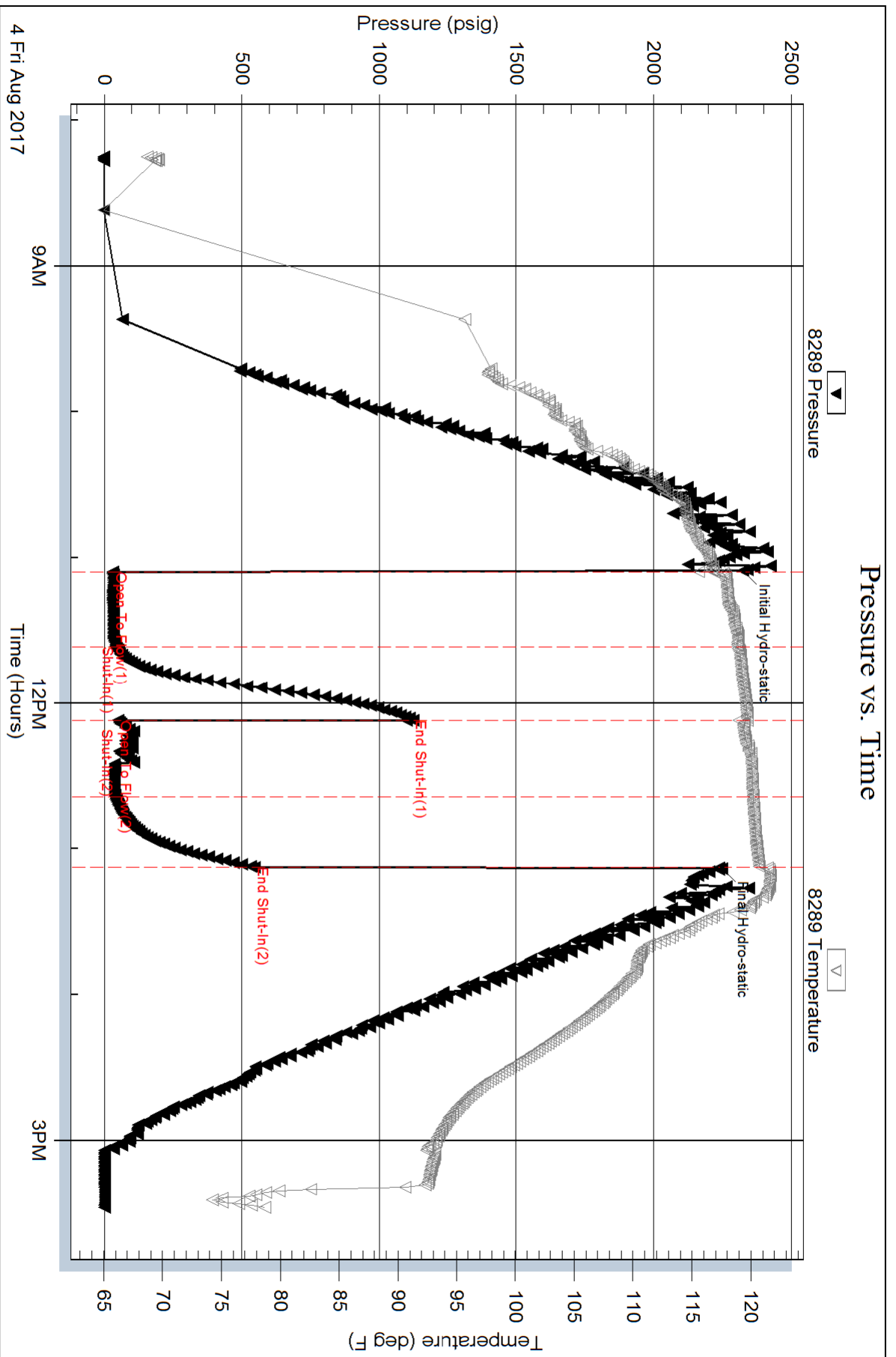
Serial #: 8289

Inside

Shakespeare Oil Co.

Sloecker 1-13

DST Test Number: 1

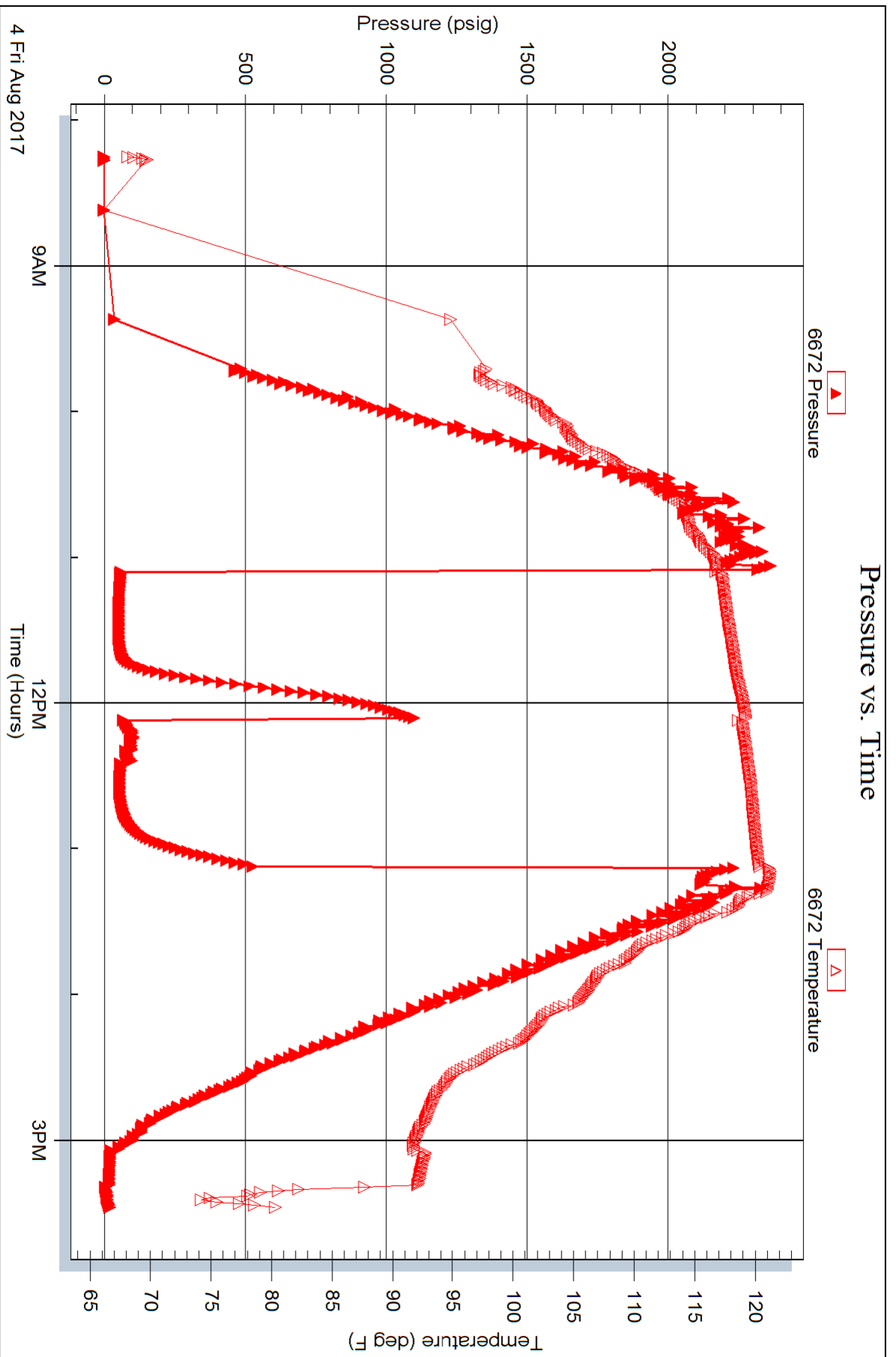


Serial #: 6672

Outside Shakespeare Oil Co.

Sloecker 1-13

DST Test Number: 1





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

WELL-SITE GEOLOGICAL and DRILLING REPORT

API # 15-083-21941-0000

Geologist on well: A. Tobias Eck

OPERATOR	Shakespeare Oil Company, Inc.	COMM.	7/29/17	COMP.	8/5/17	ELEVATION	KB: 2274'
LEASE	Stoecker	WELL No.	I-13	RTD.	4700'	LTD.	4699'
LOCATION	385' FNL & 340' FWL	DRILLING TIME KEPT FROM	3800'	to	TD	GL:	2263'
Sec.	13	Twp.	24S	Rge.	23W	SAMPLES EXAMINED FROM	3800'
COUNTY	Hodgeman	STATE	Kansas	GEOLOGICAL SUPERVISION FROM	3800'	to	TD
CONTRACTOR	Duke Drilling Co. Rig #5	MUD UP	3406'	MUD TYPE	Chemical		

Formation Record

FORMATION	TOP DATUM	LOG DATUM	SAMPLE TOP DATUM	COMPARISON	STRUCTURAL
Stone Corral	1421'	+853'	1423'	+851'	+10'
Heebner	3859'	-1585'	3863'	-1589'	+19'
Lansing	3957'	-1683'	3962'	-1688'	+22'
Stark	4225'	-1951'	4227'	-1953'	+18'
Marmaton	4308'	-2034'	4307'	-2033'	+6'
Pawnee	4439'	-2165'	4444'	-2170'	+27'
Fort Scott	4486'	-2212'	4483'	-2209'	+16'
Mississippian	4576'	-2302'	4576'	-2302'	+19'

OPEN-HOLE LOGS DIL, CDL/CNL w/ PE, MEL

[WEATHERFORD]

24S-23W

CASING RECORD
SURFACE 8-5/8" @ 225'

PRODUCTION D&A

REFERENCE WELL FOR STRUCTURAL COMPARISON
Shaffer #1 (SW SE NE 14-24S-23W)

DRILLING CHRONOLOGY, DST's and GENERAL INFO
DETAILED DAILY DRILLING and MUD INFO @ BOTTOM OF LOG

BIT RECORD						GENERAL INFO	
NO.	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	
1	12 1/4	RR	Varel	225'	225'	1 1/4	
2	7 7/8	Logic 5-14S	PDC	3689'	3464'	43 1/4	
3	7 7/8	JZ HA-20Q	Cone	4700'	1011'	50 1/4	

DAILY STATUS

DATE	Depth/Activity
7/29/17	SPUD
7/31/17	Drilling/ 946'
8/1/17	Drilling/ 2305'
8/2/17	Drilling/ 3600'
8/3/17	Drilling/ 4040'
8/4/17	TOH for DST #1
8/5/17	Logging/ 4700'

DRILL-STEM TEST RECORD

DST #1- 4581-95' (Mississippi) 30"-30"-30"-30"

Drilling with 40k-42k lbs on bit and 70-80 RPM
18 collars (6.25"x2.25")- 527'
Pumping 60 spm -345 gpm - 1000-1100 psi @ standpipe

DST run by Tribolite Testing, Inc.
Chart at bottom of Log

Remarks and Recommendations

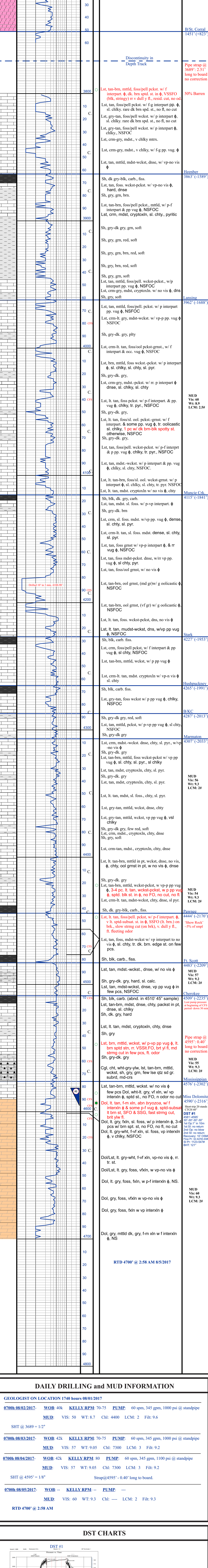
10' wet and dry samples were evaluated from 3800'. Based on sample, drill-stem test, and electric log evaluations, the Stoecker #1-13 will be plugged and abandoned.

08/05/2017
Respectfully submitted,
A. Tobias Eck
Shakespeare Oil Company, Inc.

Basic Legend

Basic Lithologies	Hydrocarbon Shows
Limestone	Slight or Residual Show
Sandstone	Fair Oil Show
Dolomite	Strong Oil Show
Chert	Gas Show
Shale	
Carbonaceous Shale	
Siltstone	
Anhydrite	

(Industry-Standard symbols and abbreviations)



DAILY DRILLING and MUD INFORMATION

GEOLOGIST ON LOCATION 1740 hours 08/01/2017

0700h 08/02/2017- WOB: 40k **KELLY RPM:** 70-75 **PUMP:** 60 spm, 345 gpm, 1000 psi @ standpipe
MUD: VIS: 50 WT: 8.7 Chl: 4400 LCM: 2 Filt: 9.6
SHT @ 3689' = 1/2°

0700h 08/03/2017- WOB: 42k **KELLY RPM:** 70-75 **PUMP:** 60 spm, 345 gpm, 1000 psi @ standpipe
MUD: VIS: 57 WT: 9.05 Chl: 7300 LCM: 3 Filt: 9.2

0700h 08/04/2017- WOB: 42k **KELLY RPM:** 80 **PUMP:** 60 spm, 345 gpm, 1100 psi @ standpipe
MUD: VIS: 57 WT: 9.05 Chl: 7300 LCM: 3 Filt: 9.2
SHT @ 4595' = 1/8° Strap@4595' - 0.40' long to board.

0700h 08/05/2017- WOB: -- **KELLY RPM:** -- **PUMP:** ---
MUD: VIS: 60 WT: 9.3 Chl: --- LCM: 2 Filt: 9.3
RTD 4700' @ 2:58 AM

DST CHARTS

