KOLAR Document ID: 1460748

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 #	API No.:					
Name:	Spot Description:					
Address 1:						
Address 2:	Feet from North / South Line of Section					
City: State: Zip:+	Feet from					
Contact Person:	Footages Calculated from Nearest Outside Section Corner:					
Phone: ()	□NE □NW □SE □SW					
CONTRACTOR: License #	GPS Location: Lat:, Long:					
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)  Datum: NAD27 NAD83 WGS84					
Wellsite Geologist:						
Purchaser:	County:					
Designate Type of Completion:	Lease Name: Well #:					
New Well Re-Entry Workover	Field Name:					
□ Oil □ WSW □ SWD	Producing Formation:					
Gas DH EOR	Elevation: Ground: Kelly Bushing:					
	Total Vertical Depth: Plug Back Total Depth:					
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet					
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?					
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet					
Operator:	If Alternate II completion, cement circulated from:					
Well Name:	feet depth to:w/sx cmt.					
Original Comp. Date: Original Total Depth:						
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan					
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)					
	Chloride content: ppm Fluid volume: bbls					
Commingled Permit #:	Dewatering method used:					
Dual Completion Permit #:						
EOR Permit #:	Location of fluid disposal if hauled offsite:					
GSW Permit #:	Operator Name:					
GOVV Territt #.	Lease Name: License #:					
Canad Date on Date Decembed TD Completing Date on	Quarter Sec TwpS. R					
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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 Approved by: Date:					

KOLAR Document ID: 1460748

#### Page Two

Operator Name: _				Lease Name:			Well #:			
Sec Twp.	S. R.	E	ast West	County:						
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,		
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log		
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample		
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum		
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No							
		B	CASING eport all strings set-c		New Used	ion, etc.				
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD					
Purpose:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives					
Perforate Protect Casi Plug Back T										
Plug Off Zor										
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,		
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)				
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity		
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom		
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT		
,	,			B.11 B1						
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:						
TODING RECORD:	. 3126.	Set	n.	i donei Al.						

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	NICHOLS 3-15
Doc ID	1460748

## All Electric Logs Run

Array Induction	
Photo Density	
Comp Neutron	
Microlog	

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	NICHOLS 3-15
Doc ID	1460748

## Tops

Name	Тор	Datum
Base Anhydrite	2466	+664
Heebner	3992	-862
Lansing	4033	-903
Muncie Creek	4216	-1086
Stark Shale	4316	-1186
Hushpuckney	4359	-1229
Marmaton	4456	-1326
Pawnee	4530	-1400
L. Cherokee Shale	4613	-1483
Johnson	4668	-1538
Mississippian	4781	-1651

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	NICHOLS 3-15
Doc ID	1460748

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	268	Class A	2% gel & 3% cc, 1/4# floseal



P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



# Invoice

DATE	INVOICE#
4/25/2019	32035

DI		TO
BI	ᄔ	10

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

- Acidizing
- Cement
- Tool Rental

INT

TERMS	Well No.	Lease	County	Contractor	We	I Туре	W	ell Category	Job Purpose	э	Operator	
Net 30		Nicholas Nicholas	Scott	Southwind Rig #8		Oil D		evelopment	Surface Pipe		Gideon	
PRICE	PRICE REF. #3-15 DESCRIPTION					QT	Y	UM	UNIT PRICE	A	AMOUNT	
575D 576D-S 325 279 278 276 290 581D 583D	P S B C F D S D	fileage - 1 Way ump Charge - Shall tandard Cement entonite Gel alcium Chloride locele -Air ervice Charge Ceme rayage ubtotal ales Tax Scott Coun	ent	500 Ft.)			1 165 3 7 40 2 165	Miles Job Sacks Sack(s) Sack(s) Lb(s) Gallon(s) Sacks Ton Miles			400.00 875.00 2,145.00T 90.00T 280.00T 100.00T 84.00T 288.75 550.80 4,813.55 229.42	
We Appreciate Your Business!								Tota	ıl		\$5,042.97	

DW

Cia>	JIMKOJIKUC	
シートつい	Shabascara	CHARGE TO:

TICKET 032035

		LIMITED WARRANTY provisions.  SWIFT SERVICES, INC.  WET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?	REMIT PAYMENT TO:  OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  WE INDRESTTOD AND	1,20 165 0	1 CM Serve Charle 1 1	2°0   1   D-A	376 1 Flower 4	278 Coloum Chloride	379 1 Bentonite Crel	326 1 Standard CM 1 16	Just Charles String	1 Rimo Charge - Sintere	MILEAGE TA#/10	PRICE SECONDARY REFERENCE/ ACCOUNTING DESCRIPTION QTY. UM Q	REFERRAL LOCATION INVOICE INSTRUCTIONS	JOB PURPOSE SULFACE POR	2. CONTRACTOR CONTRACTOR RIG NAME/NO. SHIPPED DELIVERED TO VIACTOR CONTRACTOR	CT NO. LEASE $N_i N_i = \frac{375}{5}$ COUNTY/PARISH STATE CITY $N_i = \frac{375}{5}$	Services, Inc.	ADDRESS
ARE YOU SATISFIED WITH OUR SERVICE?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	MET YOUR NEEDS?  OUR SERVICE WAS PERFORMED WITHOUT DELAY?		1,20 165 648	48/301	12 S	40 1/2	7 5/5	3 5/8	1651sks		٦ -	m 08	— II		-	) DELIVERED	CITY PA		•
TOTAL NO DO	100 Mars		PAGE TOTAL 4813 25	0 185 55018		12/08/04/02	200 20	SC 80 05	20 00 00	13		248 50 248	20 00h 100 00	UNIT PRICE AMOUNT		WELL LOCATION  ROLL	ORDER NO.	DATE OWNER	1 0+	

SWIFT OPERATOR

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

Thank You!

APPROVAL

JOB LO				$\bigcirc$	SWIF	T Seri	page no.   Date   Page no.   4/26/19   1
CUSTOM	ERI	e 0,1+(u	WELL NO.	15	LEASE	1015#	
CHART	TIME	RATE	VOLUME	PUMPS	PRESSU	JRE (PSI)	DESCRIPTION OF OPERATION AND MATERIALS
-NO. 4/24	BOOKS.	(BPM)	(BBL) (GAL)	T C	TUBING	CASING	On Location 8% 2316/ft
-							RTD: 268 TP: 268
	2326			,			85/8" Casing in well upon arrival Break Circulation
	2330	41/2	5	V	^	200	Rump 5 bbl HaD Spacer
	2335	4%	40	V	,	200	Mix 165 sks 14# Flo 2/gel 3/6CC Standard CMT @ 14.7 ppg
	2350 2355	4½ 0	0 16%	V		360 200	Start Displacement KO Rump & Short in &
	<b>B</b>	92)			·		Release Pressure of Value Hold X Tet Cellar to find CMT CMT found of Circulated 10 sks to y
				· )	<u> </u>		Wash up Tik #112
4/26	0015						Job Complete
							166 sks of Standard CMT uf 14#Flo 26gel 36 CC used
							Thank You
				-			Cricleon, Preston, Kirty



P. O. Box 466

Ness City, KS 67560

Off: 785-798-2300



# **Invoice**

DATE	INVOICE#
5/2/2019	32200

BILL TO

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well N	o. Lease	County	Contractor	Wel	I Туре	We	ell Category	Job Purpose	e Oper	ator
Net 30	#3-15	Nichols	Scott	Southwind Rig #8		Oil	D	evelopment	PTA	Bla	ine
PRICE	REF.		DESCRIPT	TON		QTY	′	UM	UNIT PRICE	AMOUI	NT
575D 576D-P 328-4 276 290 581D 583D		Mileage - 1 Way Pump Charge - PTA 60/40 Pozmix (4% C Flocele D-Air Service Charge Cem Drayage Subtotal Sales Tax Scott Cou	Gel)	A 502-	- 5	1,0	1 300 75 2	Miles Job Sacks Lb(s) Gallon(s) Sacks Ton Miles	5.00 925.00 11.00 3.00 42.00 1.85 0.95 8.50%	92 3,30 22 8 55 95 6,44 30	00.00 25.00 00.00T 25.00T 34.00T 55.00 54.18 43.18 96.77
	ð			2	<b>H</b> (						
We A	ppre	ciate Your	Busines	ss!		28		Tota	1	f 7	

lotal

\$6,749.95





|--|

TICKET 032200

	_				
Services, Inc.	CII	CITY, STATE, ZIP CODE			PAGE OF C
SERVICE LOCATIONS, Y VC V	WELL/PROJECT NO.	LEASE \\ )	COUNTY/PARISH	STATE CITY J	DATE OWNER
1 Constant	3-15	1. churcas	Scott	YS Yence	2 WY Y
2.	TICKET TYPE CONTRACTOR	~	RIG NAME/NO.	SHIPPED DELIVERED TO	ORDER NO.
	SALES	Southwind	ø	121 Bention	
<u></u>	WELL TYPE		JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION
4,	01)	TTA	You to Abambo	3	15-16-34
REFERRAL LOCATION	INVOICE INSTRUCTIONS		•		

REFERRAL LOCATION		INVOICE INSTRUCTIONS					
PRICE	SECONDARY REFERENCE/	ACCOUNTING	DESCRIPTION		Manufacture of the second of t	TINU	AMOUNT
FERENCE	PART NUMBER	LOC ACCT DF		QTY. U/M	QTY. U/M	PRICE	1000
575			MILEAGE TRY 115	\$0 F.		8 8	So Oot
576P			Pumo Owege (FTA)	1 pa		825 D	925 es
4-825			66/40 002mg (4/ace)	300 Sk		000	3300 00
376			f (scele	15/1/2		W: 8	S THE
33,6			()-4)R	2-801		4200	84/8
581			service charges	30 4		185	55500
583		•	Dianage	25110 16	1568.4 TM	26.0	954 108

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

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

DATE SIGNED TIME SIGNED □ A.M.

**REMIT PAYMENT TO:** 

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

í	i			
TOTAL		No No	YES	☐ YES
			:3	ARE YOU SATISFIED WITH OUR SERVICE?
0/ C-0				SATISFACTORILY?
050				CALCULATIONS
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				AND PERFORMED JOB
				WE OPERATED THE EQUIPMENT
				PERFORMED WITHOUT DELAY?
≥				OUR SERVICE WAS
				MET YOUR NEEDS?
				WE UNDERSTOOD AND
				WITHOUT BREAKDOWN?
PAGE TOTAL				OUR EQUIPMENT PERFORMED
	DISAGREE	UNDECIDED DISAGREE	AGREE	SURVEY

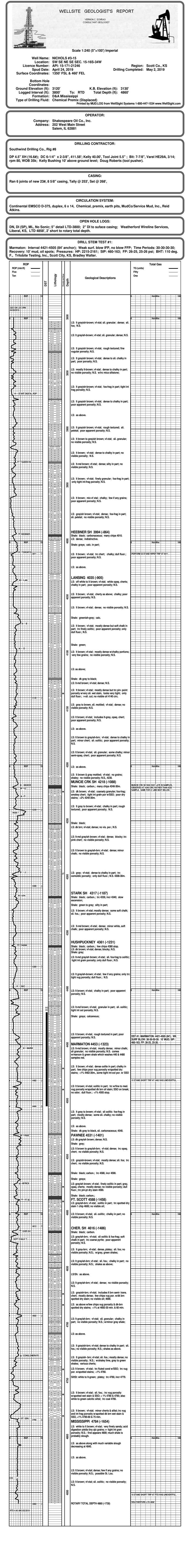
CUSTOMER ACCEPTANCE OP MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

☐ CUSTOMER DID NOT WISH TO RESPOND

SWIFT OPERATOR

APPROVAL

Thank You!





### DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

15 16s 34w Scott, Ks

202 W Main St. Salem, IL 62881 Nichols 3-15

Job Ticket: 65222

DST#: 1

ATTN: Vern Schrag

Test Start: 2019.04.30 @ 16:52:00

**Bradley Walter** 

#### **GENERAL INFORMATION:**

Formation: Marmaton

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) No ft (KB)

Time Tool Opened: 19:15:45 Time Test Ended: 23:21:00

Unit No: 78

Tester:

3130.00 ft (KB)

4421.00 ft (KB) To 4505.00 ft (KB) (TVD) Reference Elevations:

3120.00 ft (CF)

7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter: 10.00 ft

Serial #: 8522 Press@RunDepth:

Interval:

Total Depth:

Inside

4505.00 ft (KB) (TVD)

26.34 psig @

4422.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2019.04.30 16:52:05

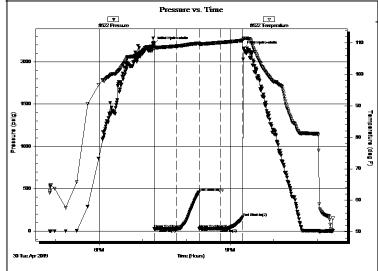
End Date: End Time: 2019.04.30 23:20:59 Last Calib.: Time On Btm: 2019.04.30

Time Off Btm:

2019.04.30 @ 19:15:30 2019.04.30 @ 21:18:30

TEST COMMENT: 30- IF: 1/4" blow.

30- ISI: No return. 30- FF: No blow. 30- FSI: No return.



#### PRESSURE SUMMARY Pressure Annotation Time Temp (Min.) (psig) (deg F) 0 2215.24 108.82 Initial Hydro-static 25.69 108.15 Open To Flow (1) 1 30 25.04 108.91 Shut-In(1) 62 459.99 109.81 End Shut-In(1) 62 25.23 109.42 Open To Flow (2) 26.34 110.06 | Shut-In(2) 91 122 163.32 110.72 End Shut-In(2) 2161.43 123 111.34 Final Hydro-static

Cac Datas

#### Recovery

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

Oas Mai	03	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Ref. No: 65222 Trilobite Testing, Inc. Printed: 2019.05.01 @ 07:35:36



### DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

15 16s 34w Scott, Ks

202 W Main St.

Nichols 3-15

Salem, IL 62881

Job Ticket: 65222 DST#: 1

ATTN: Vern Schrag

Test Start: 2019.04.30 @ 16:52:00

#### GENERAL INFORMATION:

Formation: Marmaton

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) No ft (KB)

Time Tool Opened: 19:15:45 Time Test Ended: 23:21:00

Unit No: 78

Tester:

**Bradley Walter** 

4421.00 ft (KB) To 4505.00 ft (KB) (TVD)

Reference Elevations: 3130.00 ft (KB)

3120.00 ft (CF)

Total Depth:

Interval:

Start Date:

Start Time:

4505.00 ft (KB) (TVD)

10.00 ft

Hole Diameter: 7.88 inches Hole Condition: Good

Outside

KB to GR/CF:

Serial #: 8319

Press@RunDepth:

psig @

16:52:05

4422.00 ft (KB)

End Time:

Time

(Min.)

Capacity:

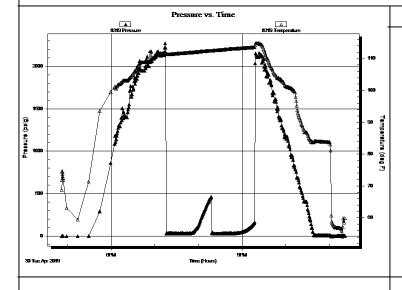
8000.00 psig

2019.04.30 End Date: 2019.04.30 Last Calib.: 2019.04.30 23:20:59

Time On Btm: Time Off Btm:

TEST COMMENT: 30- IF: 1/4" blow.

30- ISI: No return. 30- FF: No blow. 30- FSI: No return.



Pl	RESSUR	E SUMMARY
Pressure	Temp	Annotation
(psig)	(deg F)	

## Recovery Description

Description	Volume (bbl)
mud 100m (oil spots)	
	·

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

Trilobite Testing, Inc. Ref. No: 65222 Printed: 2019.05.01 @ 07:35:36



### DRILL STEM TEST REPORT

**FLUID SUMMARY** 

Shakespeare Oil Co, Inc.

15 16s 34w Scott, Ks

202 W Main St. Salem, IL 62881 Nichols 3-15

Job Ticket: 65222

Serial #:

DST#: 1

ATTN: Vern Schrag

Test Start: 2019.04.30 @ 16:52:00

**Mud and Cushion Information** 

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:65.00 sec/qtCushion Volume:bbl

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** 

Water Loss:

Recovery Table

Length description by the second bound of the second bound 10.00 mud 100m (oil spots)

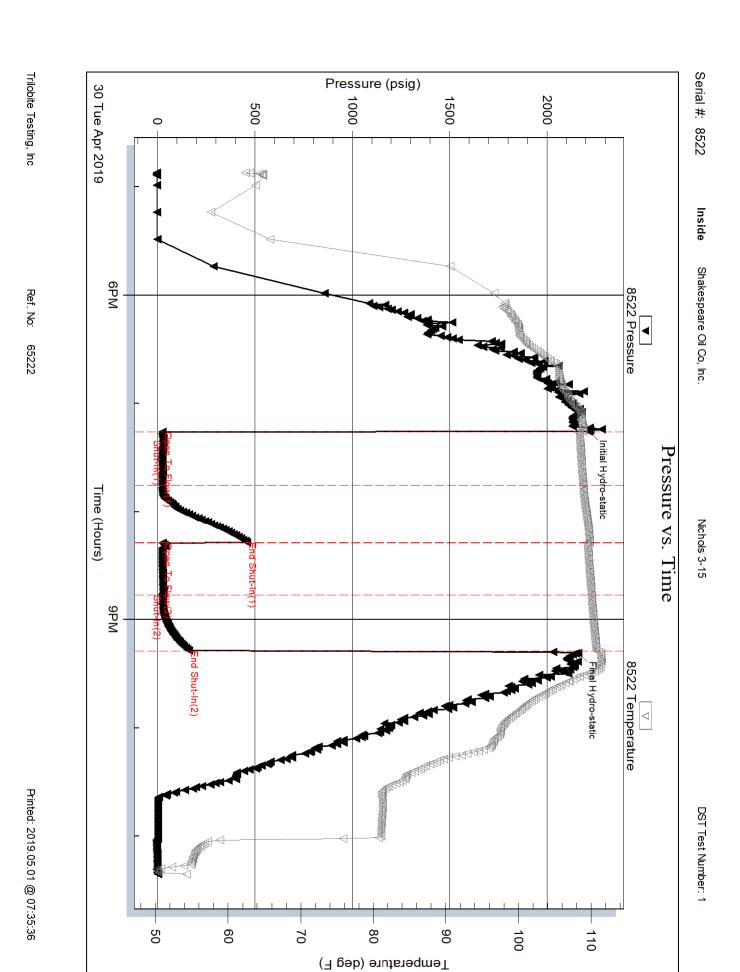
Total Length: 10.00 ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 65222 Printed: 2019.05.01 @ 07:35:36



Trilobite Testing, Inc Ref. No: 65222 Printed: 2019.05.01 @ 07:35:36