



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1079477  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1079477

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  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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	T&J Farming 1-11
Doc ID	1079477

All Electric Logs Run

Array Induction
Photo Density
Comp. Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	T&J Farming 1-11
Doc ID	1079477

Tops

Name	Top	Datum
Base Anhydrite	2538	+480
Heebner	3999	-981
Lansing	4046	-1028
Muncie Creek	4186	-1168
Stark Shale	4270	-1252
Hushpuckney	4306	-1288
Pawnee	4464	-1446
Cherokee Shale	4546	-1528
Johnson	4590	-1572
Mississippian	4638	-1620



PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 130388  
Invoice Date: Mar 1, 2012  
Page: 1

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Federal Tax I.D.#: 20-8651475

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	T & J Farms #1-11	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 1, 2012	3/31/12

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	16.25	2,681.25
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
174.00	SER	Handling	2.25	391.50
14.00	SER	Mileage	19.14	267.96
1.00	SER	Surface	1,125.00	1,125.00
14.00	SER	Heavy Vehicle Mileage	7.00	98.00
14.00	SER	Light Vehicle Mileage	4.00	56.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	CEMENTER	Steve Heikkila		

INT

Surface Cement  
10502-5



ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1006.53

ONLY IF PAID ON OR BEFORE  
Mar 26, 2012

Subtotal	5,032.66
Sales Tax	225.88
Total Invoice Amount	5,258.54
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,258.54</b>

DW





PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 130466  
Invoice Date: Mar 11, 2012  
Page: 1



INT

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Well Name## or Customer P.O.	Payment Terms	
Shak	T&J Farms 1-11	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Mar 11, 2012	4/10/12

Quantity	Item	Description	Unit Price	Amount
4.00	MAT	Gel	21.25	85.00
225.00	MAT	ASC	19.00	4,275.00
500.00	MAT	WFR-2	1.27	635.00
159.00	MAT	CD-31	9.35	1,486.65
56.00	MAT	FloSeal	2.70	151.20
1,225.00	MAT	Gilsonite	0.89	1,090.25
22.00	MAT	Salt	23.95	526.90
291.00	SER	Handling	2.25	654.75
14.00	SER	Mileage	32.01	448.14
1.00	SER	Production	2,405.00	2,405.00
14.00	SER	Heavy Vehicle Mileage	7.00	98.00
1.00	SER	Manifold Head Rental	200.00	200.00
14.00	SER	Light Vehicle Mileage	4.00	56.00
1.00	CEMENTER	LaRene Wentz		
1.00	OPER ASSIST	Dane Retzloff		
1.00	OPER ASSIST	Billy Turner		

Lemont Long String  
10502-5



ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 2422.38

ONLY IF PAID ON OR BEFORE  
Apr 5, 2012

Subtotal	12,111.89
Sales Tax	602.25
Total Invoice Amount	12,714.14
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,714.14</b>

DW



# ALLIED CEMENTING CO., LLC. 034503

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Oakley, Ks.*

DATE <i>3-11-12</i>	SEC. <i>11</i>	TWP. <i>13</i>	RANGE <i>32</i>	CALLED OUT	ON LOCATION <i>7:30am</i>	JOB START <i>10:00am</i>	JOB FINISH <i>11:00pm</i>
LEASE <i>T&amp;E Farms</i>	WELL # <i>1-11</i>	LOCATION <i>Oakley 115, 1E, 114 S</i>			COUNTY <i>Logan</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <i>NEW</i>				Wells			

CONTRACTOR *HD #2*

TYPE OF JOB *Production*

HOLE SIZE *7 7/8* T.D. *4710*

CASING SIZE *4 1/2* DEPTH *4712'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL: *port collar* DEPTH *2487'*

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *42'*

CEMENT LEFT IN CSG. *42'*

PERFS.

DISPLACEMENT *7238*

EQUIPMENT

PUMP TRUCK CEMENTER *Logan*

# *431* HELPER *Dave*

BULK TRUCK

# *404* DRIVER *Billy*

BULK TRUCK

# DRIVER

REMARKS:  
*Mix WFR-2 Plug Rth. 30 sks.  
mix 195 sks above casing  
Displace with water  
hand plug at 1700' float hold.*

*Thank you*

CHARGE TO: *Shakespeare Oil*

STREET

CITY STATE ZIP

To Allied Cementing Co., 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*  
*Card 306*

OWNER *Same*

CEMENT

AMOUNT ORDERED *225 sks ASC 10% salt  
22 gal 54 gilsonite .75% CDBI  
144 gal salt 500 gal WFR-2*

COMMON	@		
POZMIX	@		
GEL	<i>4500</i>	@ <i>21.25</i>	<i>85.00</i>
CHLORIDE	@		
ASC A -	<i>225 sks</i>	@ <i>17.00</i>	<i>4275.00</i>
WFR-2	<i>500 gal</i>	@ <i>6.27</i>	<i>3135.00</i>
CD-31	<i>134 #</i>	@ <i>9.33</i>	<i>1486.65</i>
Horseal	<i>56 #</i>	@ <i>2.90</i>	<i>151.80</i>
gilsonite	<i>1225 #</i>	@ <i>.87</i>	<i>1090.25</i>
salt	<i>2250</i>	@ <i>23.95</i>	<i>526.90</i>
HANDLING	<i>291.25</i>	@ <i>2.25</i>	<i>634.75</i>
MILEAGE	<i>11456/mile</i>		<i>428.14</i>
TOTAL			<i>2352.89</i>

SERVICE

DEPTH OF JOB *4712'*

PUMP TRUCK CHARGE *2405.00*

EXTRA FOOTAGE @

MILEAGE *14* @ *7.00* *98.00*

MANIFOLD *head* @ *200.00*

L.V. Mileage @ *4.00* *56.00*

TOTAL *2259.00*

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS





PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 130467  
Invoice Date: Mar 14, 2012  
Page: 1



INT

<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	T&J Farms #1-11	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Mar 14, 2012	4/13/12

Quantity	Item	Description	Unit Price	Amount
425.00	MAT	Lite (Type I)	15.00	6,375.00
106.00	MAT	FloSeal	2.70	286.20
10.00	MAT	CottonSeed Hulls	31.89	318.90
648.00	SER	Handling	2.25	1,458.00
14.00	SER	Mileage	71.28	997.92
1.00	SER	Port Collar	2,125.00	2,125.00
14.00	SER	Heavy Vehicle Mileage	7.00	98.00
14.00	SER	Light Vehicle Mileage	4.00	56.00
1.00	CEMENTER	LaRene Wentz		
1.00	OPER ASSIST	Dane Retzloff		
1.00	OPER ASSIST	Ethan Glassman		
1.00	OPER ASSIST	Adam Holcomb		



ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

**\$ 2343.00**

ONLY IF PAID ON OR BEFORE  
**Apr 8, 2012**

Subtotal	11,715.02
Sales Tax	509.55
Total Invoice Amount	12,224.57
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,224.57</b>

DW





**GEOLOGIST'S REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY: **SHAKESPEARE OIL CO.**  
 LEASE: **T&E Farming #1-11**  
 FIELD: **Wildcat**  
 LOCATION: **1370' FUL, 1730' FEL**  
 SEC: **11 T1MSP 13S R0E 32W**  
 COUNTY: **Logan STATE Kansas**

CONTRACTOR: **HD Drilling Rig #2**  
 SPUD: **2-29-12** COMP: **3-11-12**  
 RTD: **4710'** LTD: **4707'**  
 MUD UP: **3300'** TYPE MUD: **Chemical**

SAMPLES SAVED FROM: **3750'** to **RTD**  
 DRILLING TIME KEPT FROM: **3750'** to **RTD**  
 SAMPLES EXAMINED FROM: **3750'** to **RTD**  
 GEOLOGICAL SUPERVISION FROM: **3900'** to **RTD**

GEOLOGIST ON WELL: **Tim Priest**

FORMATION TOPS: **ELECTRIC LOG** SAMPLE  
 B/Anhydrite: **2538 (+480)** **2543 (+475)**  
 Heebner Shale: **3999 (-981)** **4003 (-985)**  
 Lansing: **4270 (-1252)** **4276 (-1258)**  
 B/K.C.: **4341 (-1323)** **4346 (-1328)**

Fort Scott: **4521 (-1503)** **4525 (-1507)**  
 Cherokee Shale: **4548 (-1530)** **4552 (-1534)**  
 Johnson Zone: **4590 (-1572)** **4593 (-1575)**  
 Mississippian: **4638 (-1620)** **4640 (-1622)**

ELEVATIONS: **KB 3018'**  
 DF: \_\_\_\_\_  
 GL: **3008'**

Measurements Are All From **KB**

CASINGS: \_\_\_\_\_  
 CONDUCTION: **N/A**  
 SURFACE: **8-5/8" @224'**  
 PRODUCTION: **4-1/2" @4710'**

ELECTRICAL SURVEYS: **CND/D/SP/PE**  
 GEOLOGIST: **By: Weatherford**

REMARKS: Due to the results of DST #4, it was decided to set production casing to further test the well

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-109-21022

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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
202 West Main St  
Salem, IL  
62881  
ATTN: Tim Priest

**11-13s-32w Logan, Ks**

**T & J Farming #1-11**

Job Ticket: 44960

**DST#: 1**

Test Start: 2012.03.07 @ 13:40:21

## GENERAL INFORMATION:

Formation: **J**  
 Deviated: **No** Whipstock: **0.00 ft (KB)**  
 Time Tool Opened: 15:12:06  
 Time Test Ended: 19:05:06  
 Interval: **4250.00 ft (KB) To 4276.00 ft (KB) (TVD)**  
 Total Depth: **4276.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Shane McBride**  
 Unit No: **55**  
 Reference Elevations: **3017.00 ft (KB)**  
**3008.00 ft (CF)**  
 KB to GR/CF: **9.00 ft**

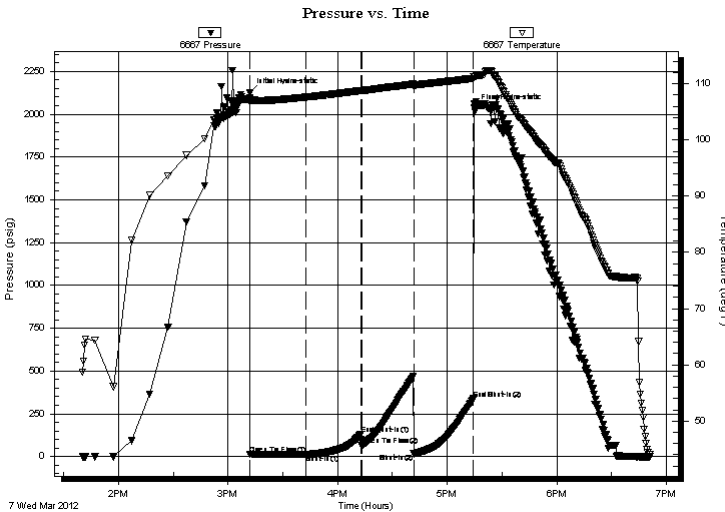
## Serial #: 6667

**Outside**

Press @ Run Depth: **17.36 psig @ 4251.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.03.07** End Date: **2012.03.07** Last Calib.: **2012.03.07**  
 Start Time: **13:40:21** End Time: **18:51:06** Time On Btm: **2012.03.07 @ 15:11:51**  
 Time Off Btm: **2012.03.07 @ 17:14:36**

TEST COMMENT: **Weak blow died in 5 min.**  
**No return**  
**No blow**  
**No return**

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2124.68	107.43	Initial Hydro-static
1	12.30	106.81	Open To Flow (1)
31	14.37	107.62	Shut-In(1)
61	130.21	108.79	End Shut-In(1)
62	63.47	108.77	Open To Flow (2)
90	17.36	109.59	Shut-In(2)
123	337.28	110.99	End Shut-In(2)
123	2035.42	111.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud 100% m	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil  
202 West Main St  
Salem, IL  
62881  
ATTN: Tim Priest

**11-13s-32w Logan, Ks**  
**T & J Farming #1-11**  
Job Ticket: 44960      **DST#: 1**  
Test Start: 2012.03.07 @ 13:40:21

## Mud and Cushion Information

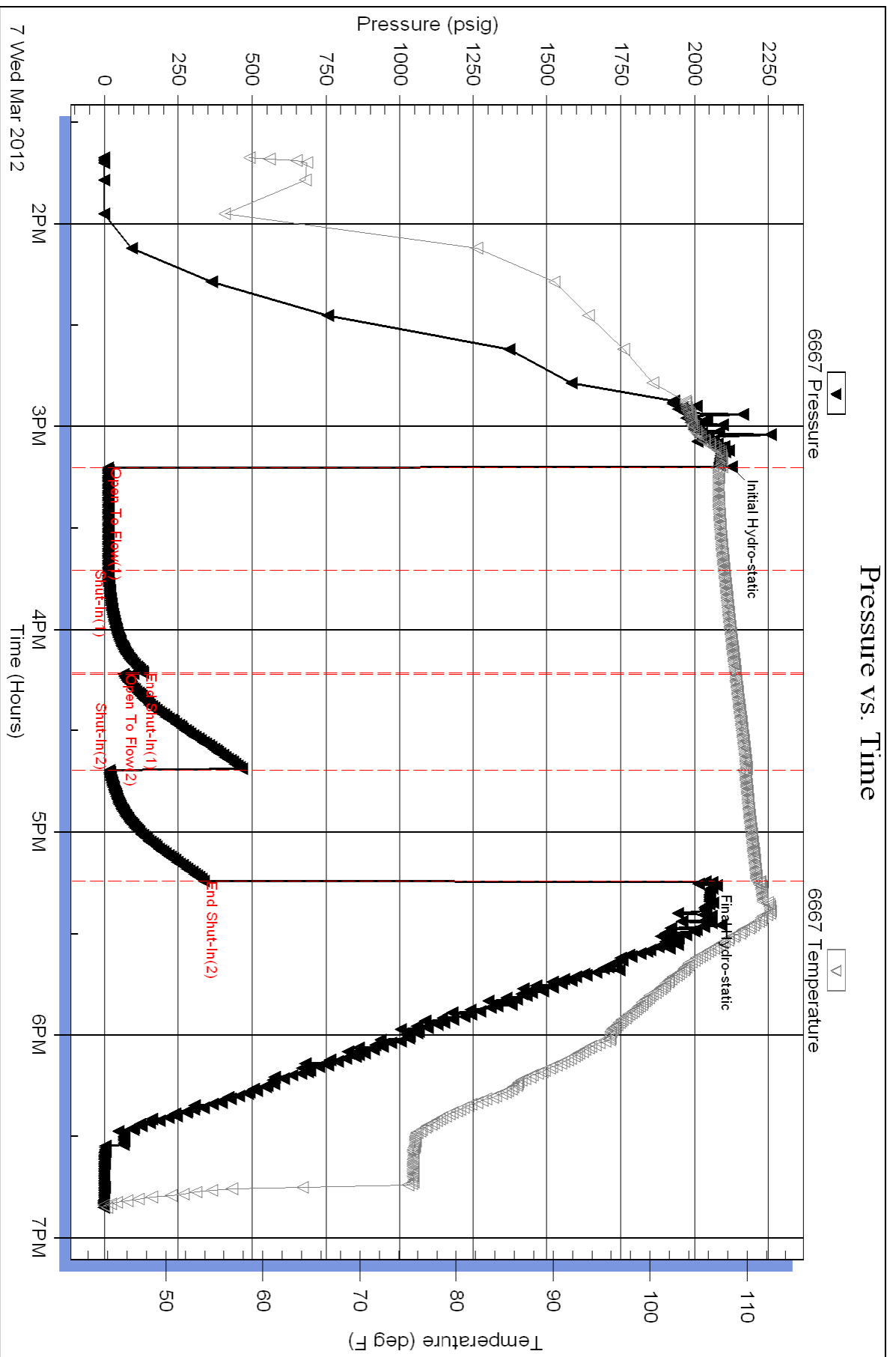
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud 100%m	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
202 West Main St  
Salem, IL  
62881  
ATTN: Tim Priest

**11-13s-32w Logan, Ks**

**T & J Farming #1-11**

Job Ticket: 44961

**DST#: 2**

Test Start: 2012.03.08 @ 03:15:42

## GENERAL INFORMATION:

Formation: **K**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 07:03:12  
 Time Test Ended: 11:55:42  
 Interval: **4271.00 ft (KB) To 4310.00 ft (KB) (TVD)**  
 Total Depth: 4310.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3017.00 ft (KB)  
 3008.00 ft (CF)  
 KB to GR/CF: 9.00 ft

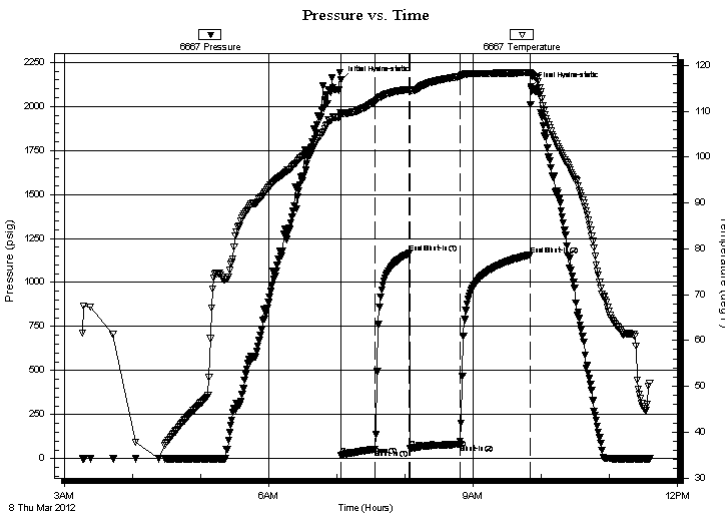
## Serial #: 6667

**Outside**

Press @ Run Depth: 81.57 psig @ 4272.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.03.08 End Date: 2012.03.08 Last Calib.: 2012.03.08  
 Start Time: 03:15:42 End Time: 11:35:42 Time On Btm: 2012.03.08 @ 07:02:57  
 Time Off Btm: 2012.03.08 @ 09:50:42

TEST COMMENT: 1" in blow  
 No return  
 1 1/4" in blow  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.69	109.77	Initial Hydro-static
1	17.04	109.34	Open To Flow (1)
31	54.18	112.14	Shut-In(1)
61	1165.35	114.77	End Shut-In(1)
61	57.14	114.45	Open To Flow (2)
105	81.57	117.64	Shut-In(2)
167	1157.32	118.44	End Shut-In(2)
168	2111.32	118.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	s m c w 15% m 85% w w/oil spots	0.30
30.00	m c w 40% m 60% w w/oil spots	0.15
30.00	s w c m 15% w 85% m w/oil spots	0.15
0.00	show of oil on top 2" in	0.00

\* 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  
202 West Main St  
Salem, IL  
62881  
ATTN: Tim Priest

**11-13s-32w Logan, Ks**  
**T & J Farming #1-11**  
Job Ticket: 44961      **DST#: 2**  
Test Start: 2012.03.08 @ 03:15:42

## Mud and Cushion Information

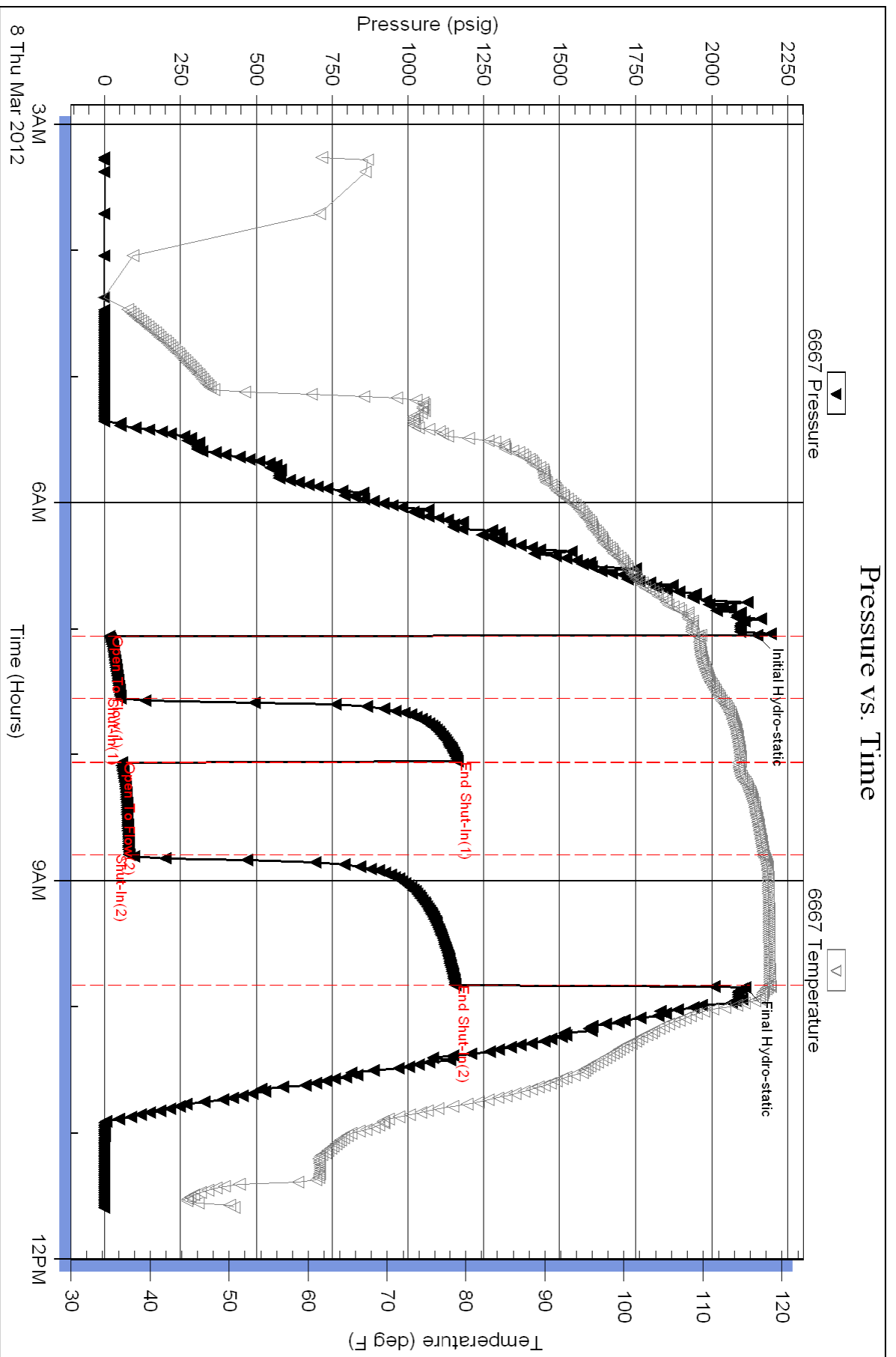
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 41500 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	s m c w 15%m 85%w w/oil spots	0.295
30.00	m c w 40%m 60%w w/oil spots	0.148
30.00	s w c m 15%w 85%m w/oil spots	0.148
0.00	show of oil on top 2" in	0.000

Total Length: 120.00 ft      Total Volume: 0.591 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw .278 @ 40\*f = 41,500 chlor





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
 202 West Main St  
 Salem, IL  
 62881  
 ATTN: Tim Priest

**11-13s-32w Logan, Ks**

**T & J Farming #1-11**

Job Ticket: 44962 **DST#: 3**

Test Start: 2012.03.09 @ 06:40:44

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 08:40:44  
 Time Test Ended: 12:35:44  
 Interval: **4452.00 ft (KB) To 4490.00 ft (KB) (TVD)**  
 Total Depth: 4490.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3017.00 ft (KB)  
 3008.00 ft (CF)  
 KB to GR/CF: 9.00 ft

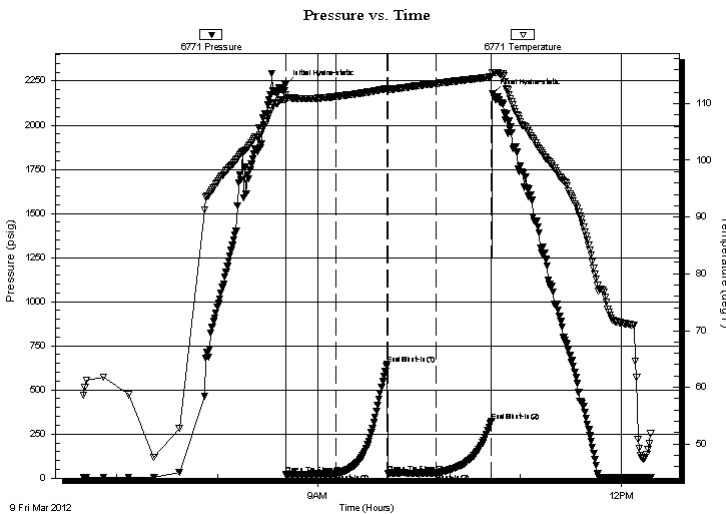
## Serial #: 6771

Inside

Press @ RunDepth: 29.55 psig @ 4453.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.03.09 End Date: 2012.03.09 Last Calib.: 2012.03.09  
 Start Time: 06:40:44 End Time: 12:17:44 Time On Btm: 2012.03.09 @ 08:40:29  
 Time Off Btm: 2012.03.09 @ 10:43:29

TEST COMMENT: 1/8" in blow died in 23 min.  
 No return  
 No blow  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.92	111.52	Initial Hydro-static
1	21.12	110.47	Open To Flow (1)
31	25.81	111.24	Shut-In(1)
61	644.62	112.62	End Shut-In(1)
61	28.48	112.44	Open To Flow (2)
90	29.55	113.52	Shut-In(2)
122	323.77	114.69	End Shut-In(2)
123	2177.15	115.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	s o c m 2%o 98%m	0.05

\* 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  
202 West Main St  
Salem, IL  
62881  
ATTN: Tim Priest

**11-13s-32w Logan, Ks**  
**T & J Farming #1-11**  
Job Ticket: 44962      **DST#: 3**  
Test Start: 2012.03.09 @ 06:40:44

## Mud and Cushion Information

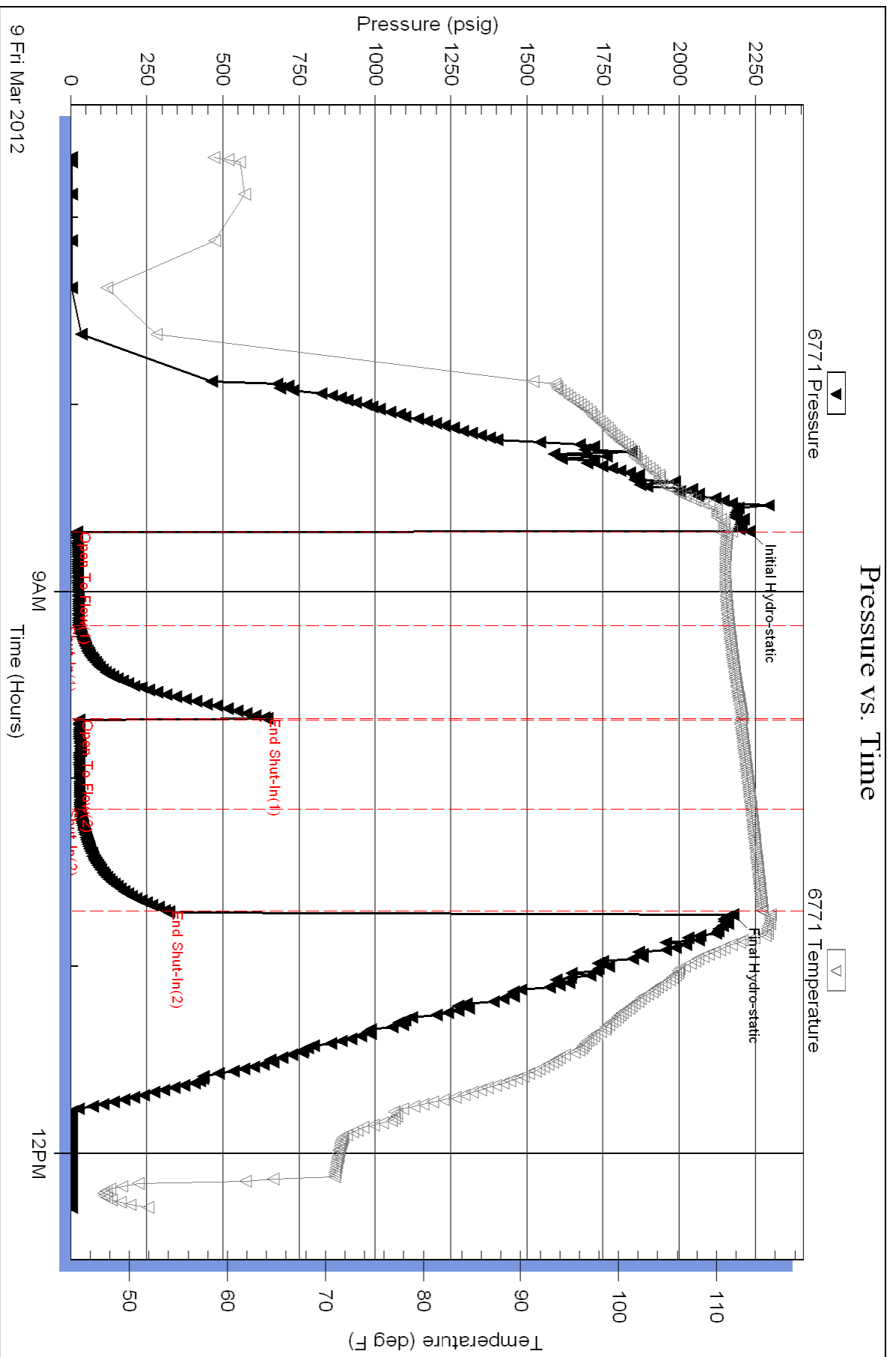
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	s o c m 2%o 98%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:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil  
 202 West Main St  
 Salem, IL  
 62881  
 ATTN: Tim Priest

**11-13s-32w Logan, Ks**

**T & J Farming #1-11**

Job Ticket: 44963 **DST#: 4**  
 Test Start: 2012.03.10 @ 06:40:24

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 08:42:24  
 Time Test Ended: 15:25:09  
 Interval: **4573.00 ft (KB) To 4620.00 ft (KB) (TVD)**  
 Total Depth: 4620.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3017.00 ft (KB)  
 3008.00 ft (CF)  
 KB to GR/CF: 9.00 ft

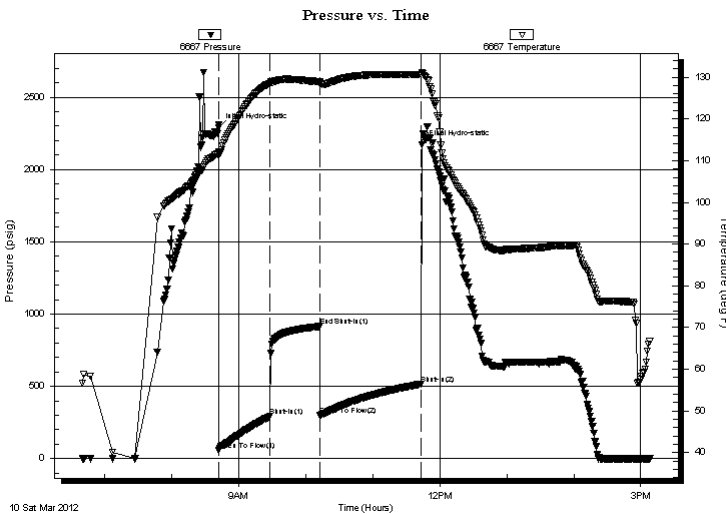
## Serial #: 6667 Outside

Press @ Run Depth: 292.43 psig @ 4574.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.03.10 End Date: 2012.03.10 Last Calib.: 2012.03.10  
 Start Time: 06:40:24 End Time: 15:08:09 Time On Btm: 2012.03.10 @ 08:42:09  
 Time Off Btm: 2012.03.10 @ 11:43:54

TEST COMMENT: B.O.B. in 3 1/2 min.  
 Bled off for 12 min. Return to B.O.B. in 5 min.  
 B.O.B. @ open  
 Bled off throughout

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.18	112.07	Initial Hydro-static
1	55.86	111.66	Open To Flow (1)
46	292.43	128.54	Shut-In(1)
91	915.31	128.82	End Shut-In(1)
91	301.61	128.44	Open To Flow (2)
182	515.71	130.65	Shut-In(2)
182	2170.71	131.13	Final Hydro-static



## Recovery

Length (ft)	Description	Volume (bbl)
124.00	s m c g o 10m 30g 60o	0.62
62.00	m c g o 30m 20g 50o	0.87
992.00	c g o reversed out 40g 60o	13.92
310.00	c g o dumped 40g 60o	4.35
0.00	2666' gas in pipe	0.00

\* 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  
202 West Main St  
Salem, IL  
62881  
ATTN: Tim Priest

**11-13s-32w Logan, Ks**  
**T & J Farming #1-11**  
Job Ticket: 44963      **DST#: 4**  
Test Start: 2012.03.10 @ 06:40:24

## Mud and Cushion Information

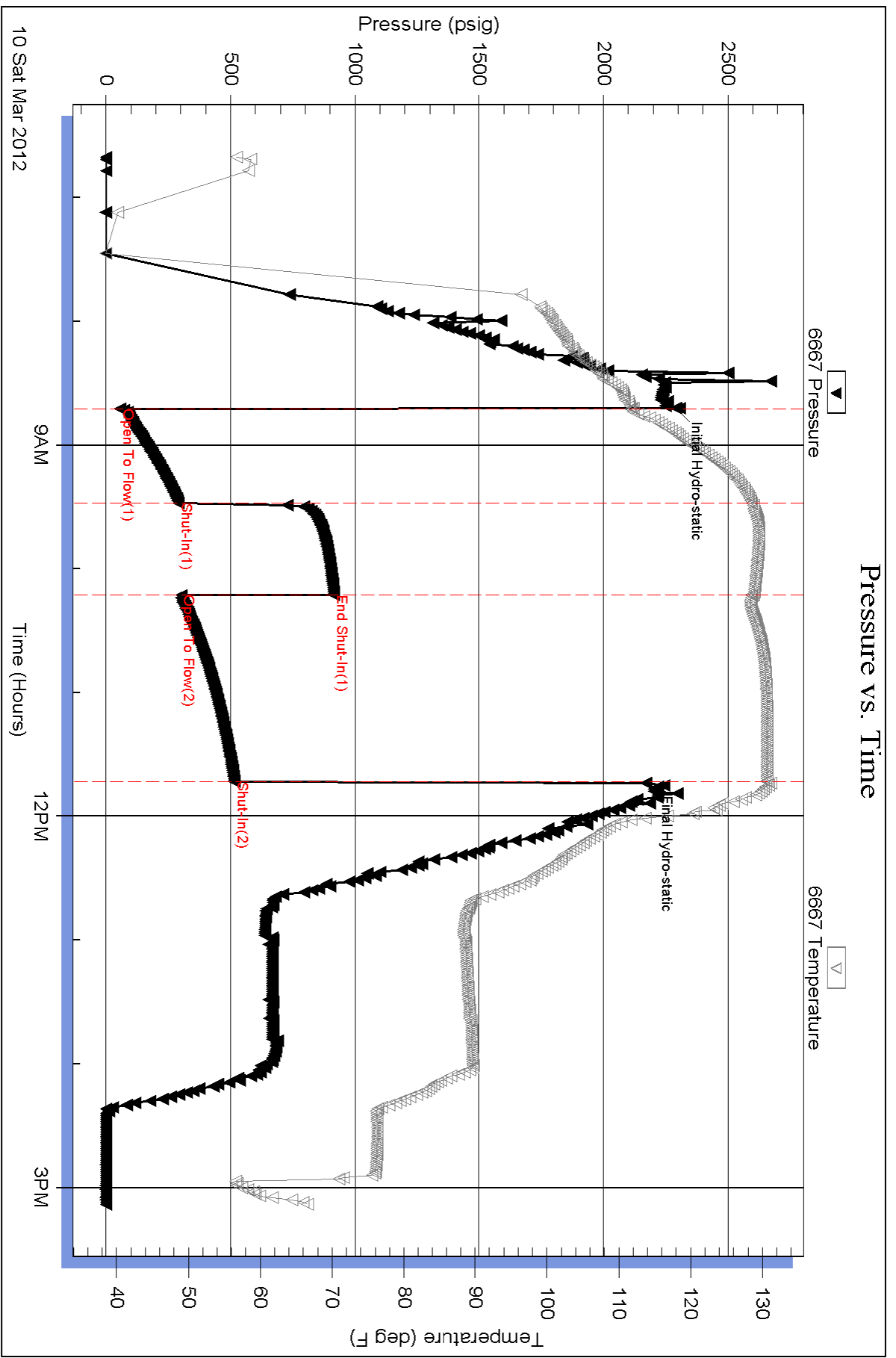
Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	s m c g o 10m 30g 60o	0.619
62.00	m c g o 30m 20g 50o	0.870
992.00	c g o reversed out 40g 60o	13.915
310.00	c g o dumped 40g 60o	4.348
0.00	2666' gas in pipe	0.000

Total Length: 1488.00 ft      Total Volume: 19.752 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



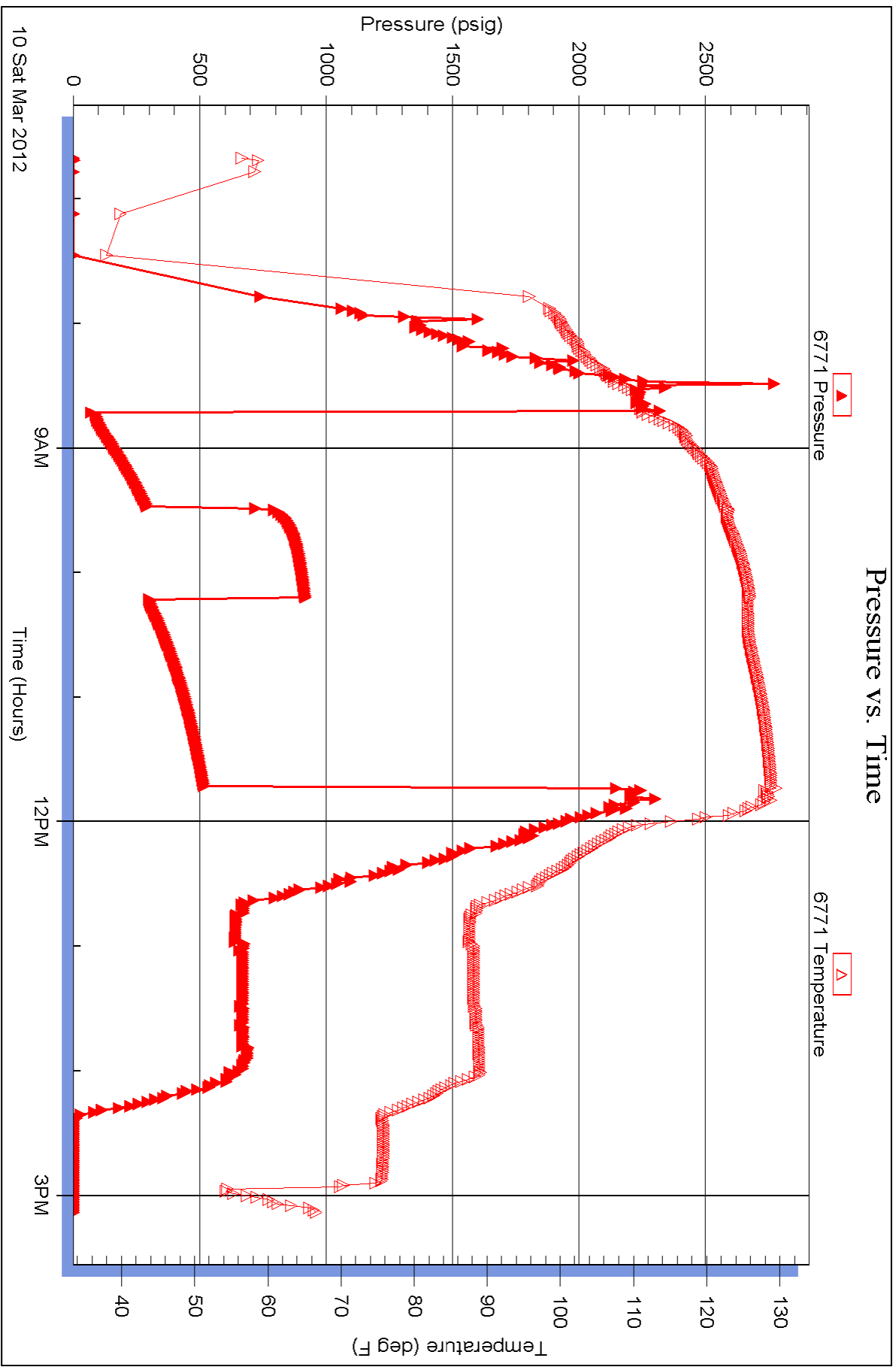
Serial #: 6771

Inside

Shakespeare Oil

T & J Farming #1-11

DST Test Number: 4



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 25, 2012

Donald R. Williams  
Shakespeare Oil Co., Inc.  
202 W MAIN ST  
SALEM, IL 62881-1519

Re: ACO1  
API 15-109-21022-00-00  
T&J Farming 1-11  
NE/4 Sec.11-13S-32W  
Logan County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Donald R. Williams