



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1073296  
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: \_\_\_\_\_

1073296

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> <i>(Submit ACO-4)</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	Ottley 5-14
Doc ID	1073296

All Electric Logs Run

Array Induction
Photo Density
Comp. Neutron
Microlog

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 5-14
Doc ID	1073296

Tops

Name	Top	Datum
Base Anhydrite	2291	+535
Heebner	3793	-967
Lansing	3830	-1004
Muncie Creek	3988	-1162
Stark Shale	4078	-1252
Hushpuckney	4110	-1284
BKC	4159	-1333
Pawnee	4284	-1458
Cherokee Shale	4368	-1542
Johnson	4410	-1584
Mississippian	4470	-1644

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 5-14
Doc ID	1073296

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	Morrow Sand	500 gal 7.5% HCL + 10 gal GAS-ENE, 10 gal S-3000, 2 gal S- 262, 2 gal AC-307, 2 gal AR-630 & 1.5 gal AI-150	4460-69
		172 bbl foamed clafix wtr w/213,000 SCF N2, 6500# 16/30 sand & 2,800#16/30 resin coated sand	
4	Cherokee Sand	500 gal 15% RWR, 1000 gal RWR + 15 gal x-linked gel + 250# rock salt	4435-40
4	Johnson	500 gal 15% RWR, 1000 gal RWR + 15 gal x-linked gel + 250# rock salt	4426-30, 4411-16
4	Ft Scott	250 gal 15% RWR, 500 gal 15% RWR	4340-44
4	Myrick Station	500 gal 15% RWR	4327-34

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

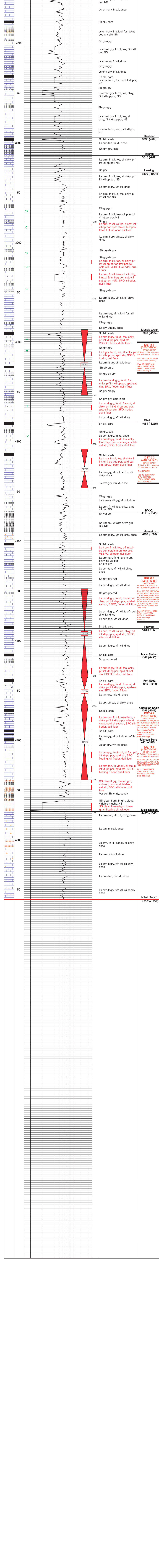
**COMPANY:** SHAKESPEARE OIL CO.  
**LEASE:** Oakley-5-14  
**FIELD:** Chalk Buttes  
**LOCATION:** 4007 FNL, 600' FEL  
**SFC:** 14 TMS/P 14S ROE 32W  
**COUNTY:** Logan STATE Kansas  
**CONTRACTOR:** HD Drilling Rig #2  
**SPUD:** 11-16-11 **COMP:** 11-29-11  
**RTD:** 4560' **LTD:** 4558'  
**MUD UP:** 3500' **TYPE MUD:** Chemical  
**SAMPLES SAVED FROM:** 3600' to RTD  
**DRILLING TIME KEPT FROM:** 3600' to RTD  
**SAMPLES EXAMINED FROM:** 3600' to RTD  
**GEOLOGICAL SUPERVISION FROM:** 3700' to RTD  
**GEOLOGIST ON WELL:** Tim Priest  
**By:** Weatherford  
**ELEVATIONS:**  
 KB 2826'  
 DF \_\_\_\_\_  
 GL 2816'  
**Measurements Are All From KB**  
**CASINGS:**  
 CONDUCTION: N/A  
 SURFACE: 8-5/8" @ 228'  
**PRODUCTION:**

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2272 (-554)	2272 (-554)
Heebner	3795 (-967)	3795 (-969)
Austin	3831 (-1005)	3830 (-1004)
SARC	4078 (-1252)	4081 (-1255)
B/K.C.	4170 (-1344)	4171 (-1345)
Fort Scott	4341 (-1515)	4342 (-1516)
Cherokee Shale	4368 (-1542)	4369 (-1543)
Mississippian	4470 (-1644)	4472 (-1646)

**REMARKS:** Due to the positive results of DSTs, it was decided to set production casing to further test the well.

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-109-21035-00-00





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. inc.

**14-14-32 Logan**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44276

**DST#: 1**

ATTN: Tim Priest

Test Start: 2011.11.24 @ 03:53:05

## GENERAL INFORMATION:

Formation: **LKC"H-I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:18:30

Time Test Ended: 12:17:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

**Interval: 3988.00 ft (KB) To 4054.00 ft (KB) (TVD)**

Reference Elevations: 2825.00 ft (KB)

Total Depth: 4054.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8352 Outside**

Press @ Run Depth: 41.27 psig @ 3995.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.24

End Date:

2011.11.24

Last Calib.:

2011.11.24

Start Time:

03:53:05

End Time:

12:17:10

Time On Btm:

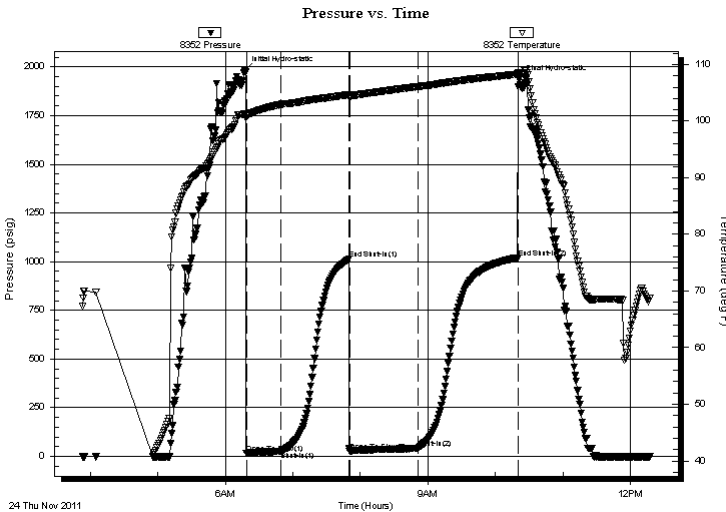
2011.11.24 @ 06:17:10

Time Off Btm:

2011.11.24 @ 10:21:09

**TEST COMMENT:** IF:(30min) Slow build to 3 inches  
ISl:(60min) No Return  
FF:(60min) Slow build to 5 inches  
FSl:(90min) No Return

## PRESSURE SUMMARY



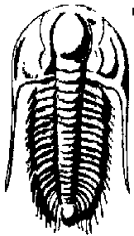
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.00	101.26	Initial Hydro-static
2	16.62	100.55	Open To Flow (1)
33	25.87	102.97	Shut-In(1)
93	1012.26	104.69	End Shut-In(1)
94	27.18	104.42	Open To Flow (2)
154	41.27	106.09	Shut-In(2)
243	1020.39	108.29	End Shut-In(2)
244	1936.14	108.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	GMCO g=20% m=35% o=45%	0.32

## Gas Rates

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



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TESTING, INC.**

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Shakespeare Oil Co. inc.

**14-14-32 Logan**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

ATTN: Tim Priest

Job Ticket: 44276

**DST#: 1**

Test Start: 2011.11.24 @ 03:53:05

### GENERAL INFORMATION:

Formation: **LKC"H-I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:18:30

Time Test Ended: 12:17:09

Interval: **3988.00 ft (KB) To 4054.00 ft (KB) (TVD)**

Total Depth: 4054.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Reference Elevations: 2825.00 ft (KB)

2816.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8017 Inside**

Press @RunDepth: psig @ 3995.00 ft (KB)

Start Date: 2011.11.24

End Date:

2011.11.24

Capacity: 8000.00 psig

Last Calib.:

2011.11.24

Start Time:

03:53:05

End Time:

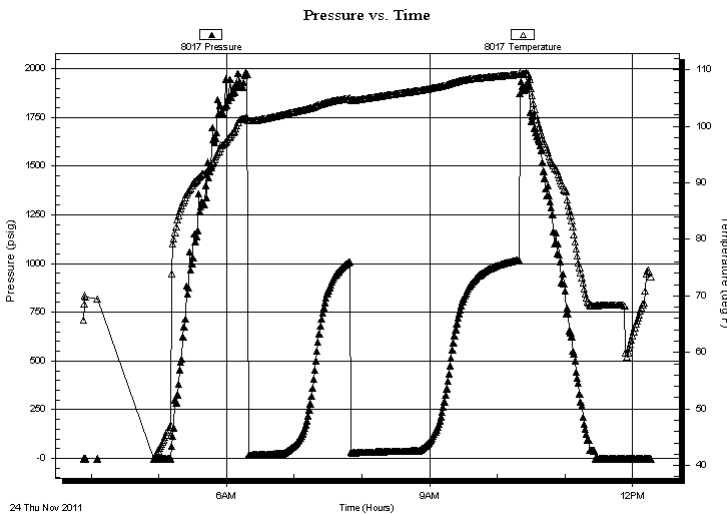
12:16:59

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF:(30min) Slow build to 3 inches  
IS:(60min) No Return  
FF:(60min) Slow build to 5 inches  
FS:(90min) No Return

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
65.00	GMCO g=20% m=35% o=45%	0.32

### Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. inc.

**14-14-32 Logan**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44276

**DST#: 1**

ATTN: Tim Priest

Test Start: 2011.11.24 @ 03:53:05

## 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:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
65.00	GMCO g=20% m=35% o=45%	0.320

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

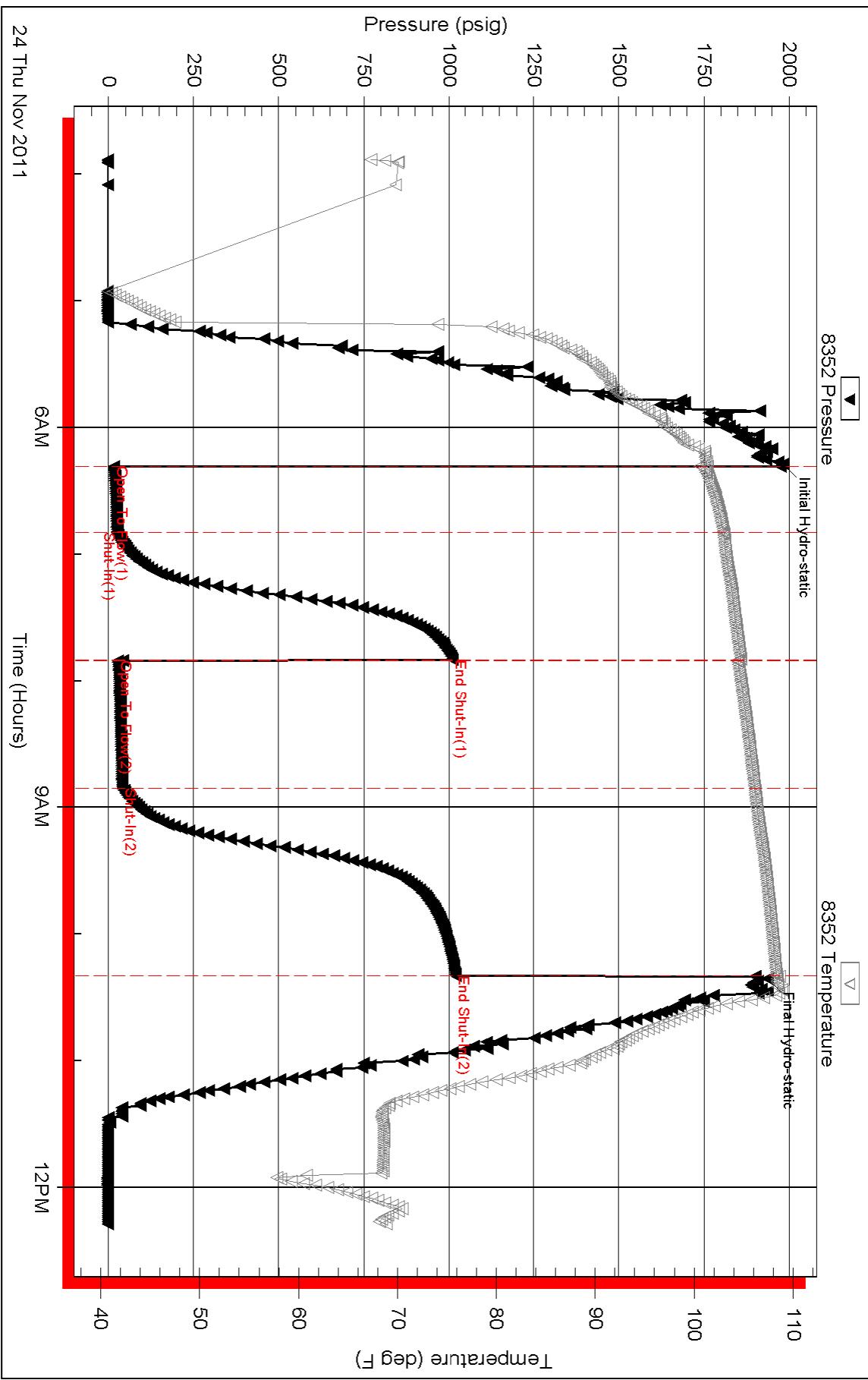
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. inc.

**14-14-32 Logan**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44576

**DST#: 2**

ATTN: Tim Priest

Test Start: 2011.11.25 @ 02:43:05

## GENERAL INFORMATION:

Formation: **LKC"L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:21:50

Time Test Ended: 09:30:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

**Interval: 4108.00 ft (KB) To 4147.00 ft (KB) (TVD)**

Reference Elevations: 2825.00 ft (KB)

Total Depth: 4147.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8352 Outside**

Press @ Run Depth: 30.40 psig @ 4113.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.25 End Date: 2011.11.25

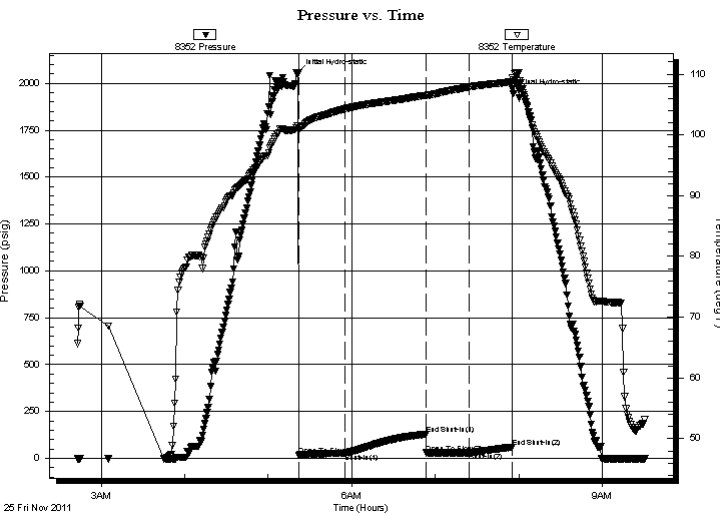
Last Calib.: 2011.11.25

Start Time: 02:43:05 End Time: 09:30:10

Time On Btm: 2011.11.25 @ 05:21:30

Time Off Btm: 2011.11.25 @ 07:55:59

**TEST COMMENT:** IF:(30min) Weak, 1 inch blow  
ISl:(60min) No Return  
FF:(30min) No Blow  
FSl:(30min) No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2054.37	101.49	Initial Hydro-static
1	16.32	100.79	Open To Flow (1)
34	26.77	104.26	Shut-In(1)
92	129.13	106.51	End Shut-In(1)
92	28.89	106.47	Open To Flow (2)
123	30.40	107.89	Shut-In(2)
154	60.32	108.73	End Shut-In(2)
155	1946.00	109.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w / oil specks in tool	0.10

\* 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.  
202 W. Main  
Salem IL. 62881  
ATTN: Tim Priest

**14-14-32 Logan**  
**Ottley 5-14**  
Job Ticket: 44576      **DST#: 2**  
Test Start: 2011.11.25 @ 02:43:05

### GENERAL INFORMATION:

Formation: **LKC"L"**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 05:21:50      Tester: Andy Carreira  
Time Test Ended: 09:30:09      Unit No: 39  
**Interval: 4108.00 ft (KB) To 4147.00 ft (KB) (TVD)**      Reference Elevations: 2825.00 ft (KB)  
Total Depth: 4147.00 ft (KB) (TVD)      2816.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 9.00 ft

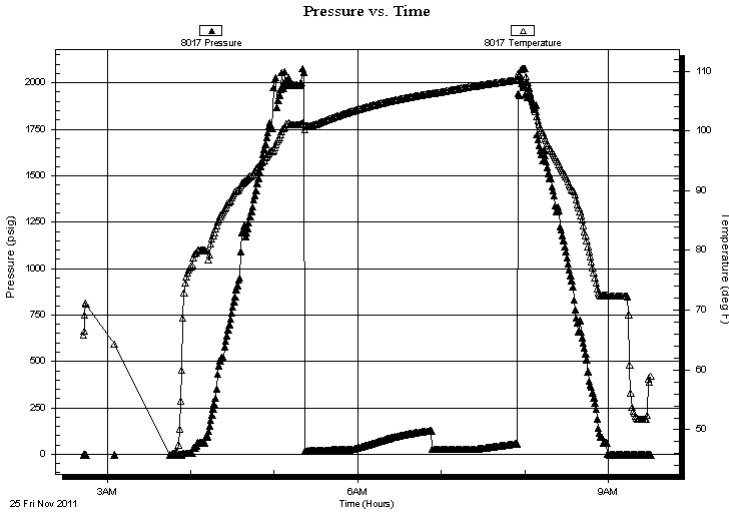
### Serial #: 8017

Inside

Press @ Run Depth:      psig @ 4113.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.11.25      End Date: 2011.11.25      Last Calib.: 2011.11.25  
Start Time: 02:43:05      End Time: 09:30:09      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF:(30min) Weak, 1 inch blow  
IS:(60min) No Return  
FF:(30min) No Blow  
FS:(30min) No Return

### PRESSURE SUMMARY



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

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w / oil specks in tool	0.10

\* Recovery from multiple tests

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. inc.

**14-14-32 Logan**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44576

**DST#: 2**

ATTN: Tim Priest

Test Start: 2011.11.25 @ 02:43:05

## 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:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.74 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	Mud w / oil specks in tool	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

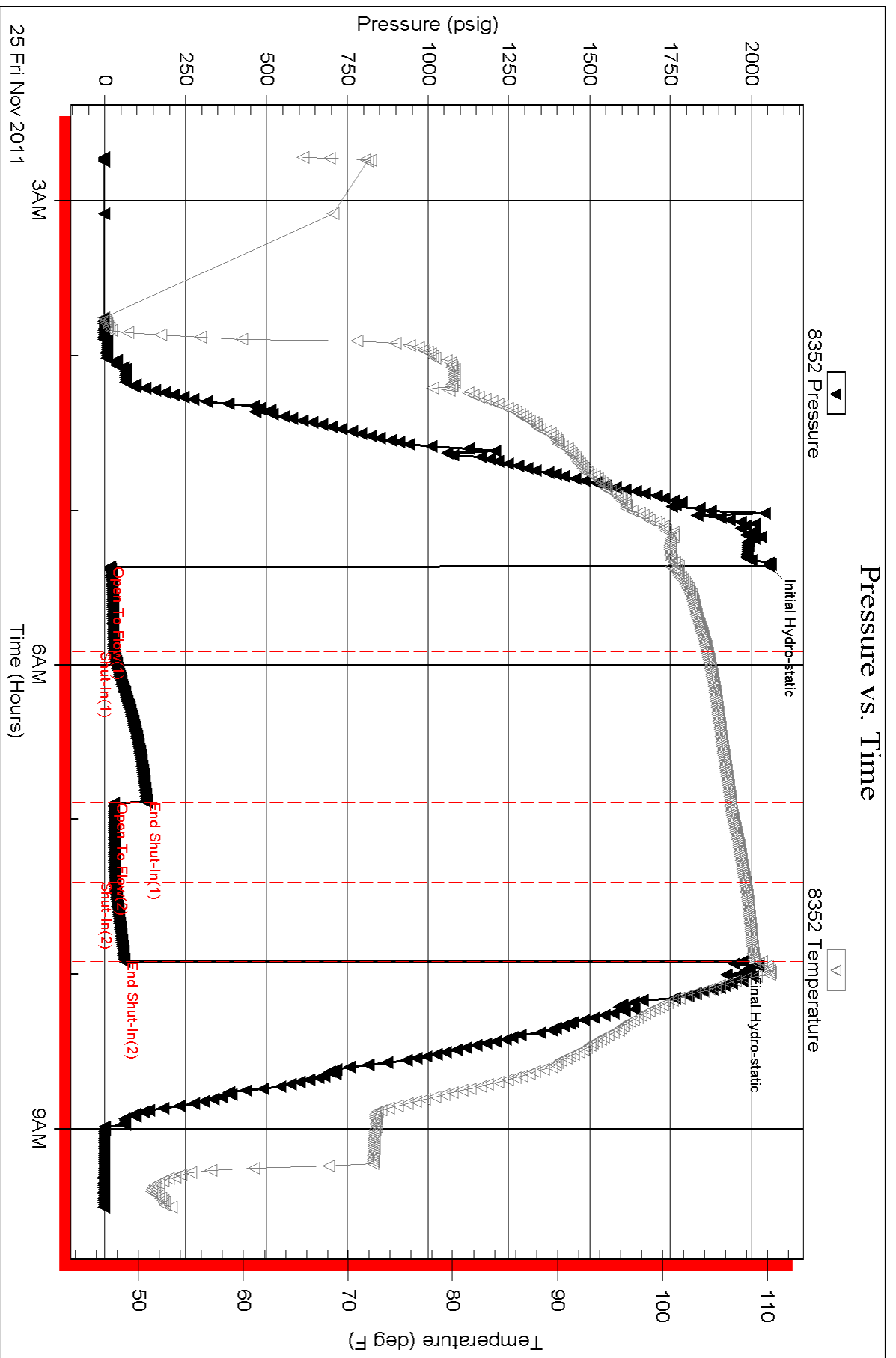
Recovery Comments:

Serial #: 8352

Outside Shakespeare Oil Co. Inc.

Oilley 5-14

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 44576

Printed: 2011.11.25 @ 14:16:47



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. inc.

**14-14-32 Logan**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

ATTN: Tim Priest

Job Ticket: 44577

**DST#: 3**

Test Start: 2011.11.26 @ 07:39:05

## GENERAL INFORMATION:

Formation: **Marm/Pawnee/Myric St**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:10

Time Test Ended: 16:02:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

**Interval: 4248.00 ft (KB) To 4336.00 ft (KB) (TVD)**

Reference Elevations: 2825.00 ft (KB)

Total Depth: 4336.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8352 Outside**

Press @ Run Depth: 252.50 psig @ 4253.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.26

End Date: 2011.11.26

Last Calib.: 2011.11.26

Start Time: 07:39:05

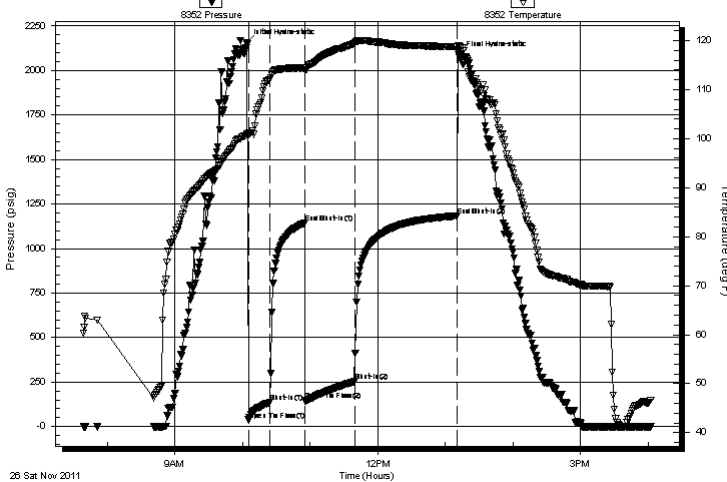
End Time: 16:02:20

Time On Btm: 2011.11.26 @ 10:03:40

Time Off Btm: 2011.11.26 @ 13:11:50

**TEST COMMENT:** IF:(20min) BOB, 9 min.  
IS:(30min) Half inch return blow  
FF:(45min) BOB, 10 min.  
FS:(90min) Return Blow , Intermittent Surface blow .

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.18	100.77	Initial Hydro-static
2	37.12	100.79	Open To Flow (1)
21	137.20	112.12	Shut-In(1)
52	1143.34	114.37	End Shut-In(1)
52	144.49	114.03	Open To Flow (2)
96	252.50	119.46	Shut-In(2)
187	1183.48	118.71	End Shut-In(2)
189	2086.05	118.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	GMW g=5% m=25% w =70%	1.12
60.00	GOCWM g=10% o=10% w =20% m=60%	0.80
60.00	GOCWM g=20% o=10% w =10% m=60%	0.80
120.00	GHOCWM g=20% w =5% o=30% m=45%	1.60
120.00	GHOCWM g=30% o=45% w =5% m=20%	1.60
0.00	GIP=550ft	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 Co. inc.

**14-14-32 Logan**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44577

**DST#: 3**

ATTN: Tim Priest

Test Start: 2011.11.26 @ 07:39:05

## 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:

8000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.74 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
180.00	GMW g=5% m=25% w=70%	1.117
60.00	GOCWM g=10% o=10% w=20% m=60%	0.798
60.00	GOCWM g=20% o=10% w=10% m=60%	0.798
120.00	GHOCWM g=20% w=5% o=30% m=45%	1.596
120.00	GHOCWM g=30% o=45% w=5% m=20%	1.596
0.00	GIP=550ft	0.000

Total Length: 540.00 ft      Total Volume: 5.905 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

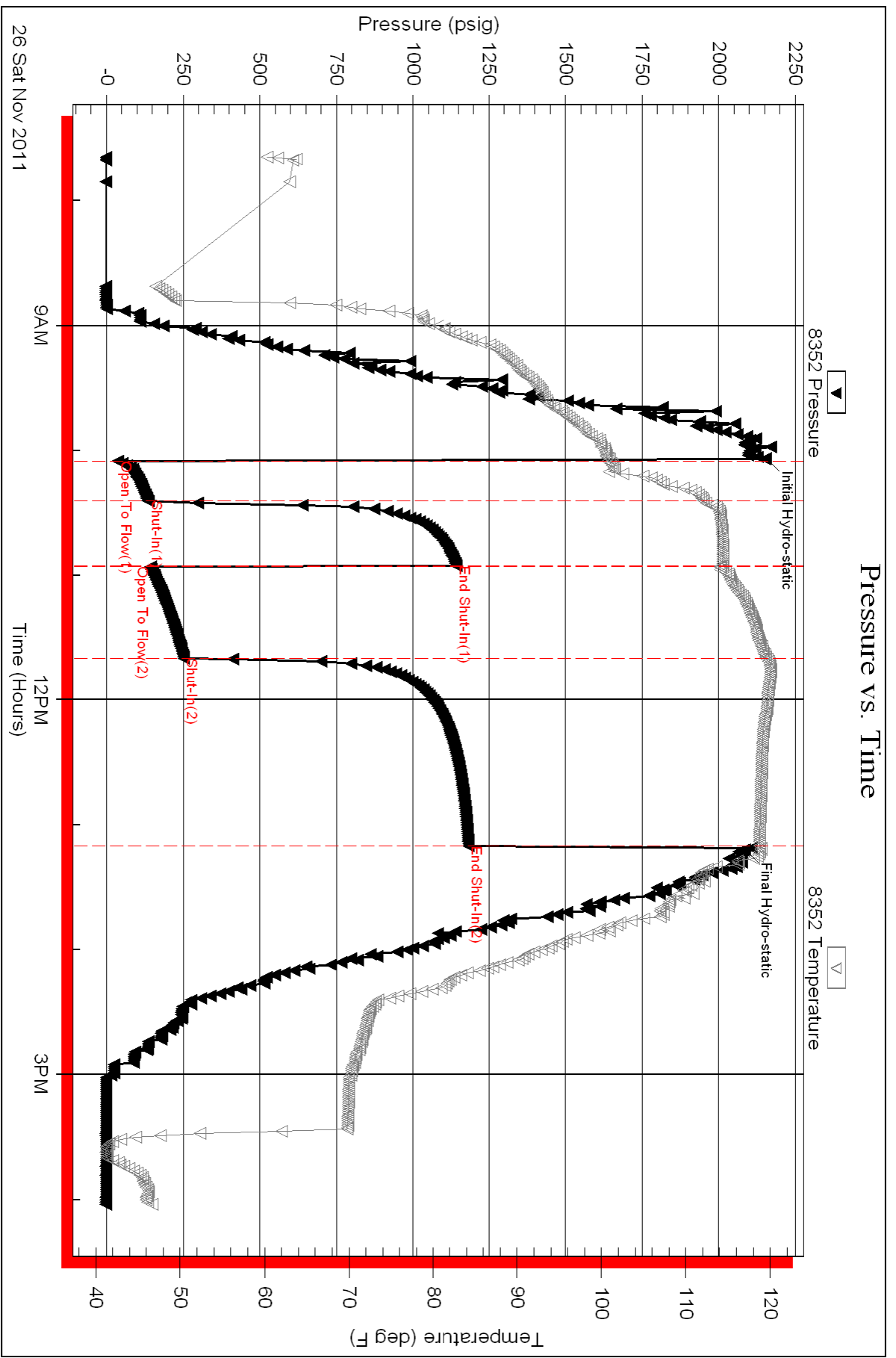
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity= 1 @ 49deg= 8000







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. inc.

**14-14-32 Logan, Ks**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44926

**DST#: 4**

ATTN: Tim Priest

Test Start: 2011.11.27 @ 00:01:10

## GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 02:20:40

Time Test Ended: 08:05:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4336.00 ft (KB) To 4366.00 ft (KB) (TVD)**

Reference Elevations: 2825.00 ft (KB)

Total Depth: 4366.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 6667 Outside**

Press @ Run Depth: 70.93 psig @ 4337.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.27

End Date:

2011.11.27

Last Calib.:

2011.11.27

Start Time: 00:01:10

End Time:

07:47:40

Time On Btm:

2011.11.27 @ 02:20:25

Time Off Btm:

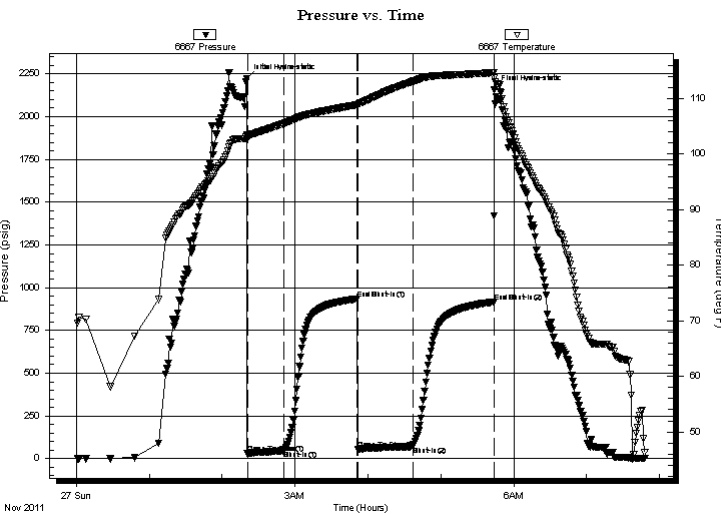
2011.11.27 @ 05:43:55

**TEST COMMENT:** 7 1/2" in blow

No return

B.O.B. in 32 min.

Surface return in 12 min. , died in 20 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2222.42	103.48	Initial Hydro-static
1	29.13	102.63	Open To Flow (1)
31	46.98	105.45	Shut-In(1)
91	934.86	108.84	End Shut-In(1)
92	54.90	108.87	Open To Flow (2)
137	70.93	113.02	Shut-In(2)
203	916.53	114.64	End Shut-In(2)
204	2155.21	113.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	g o c m 10%g 30%o 60%m	0.39
60.00	g h o c m 10%g 45%o 45%m	0.30
0.00	460' gas in pipe	0.00

## 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.

**14-14-32 Logan, Ks**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44926

**DST#: 4**

ATTN: Tim Priest

Test Start: 2011.11.27 @ 00:01:10

## 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: 64.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
80.00	g o c m 10%g 30%o 60%m	0.393
60.00	g h o c m 10%g 45%o 45%m	0.295
0.00	460' gas in pipe	0.000

Total Length: 140.00 ft

Total Volume: 0.688 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

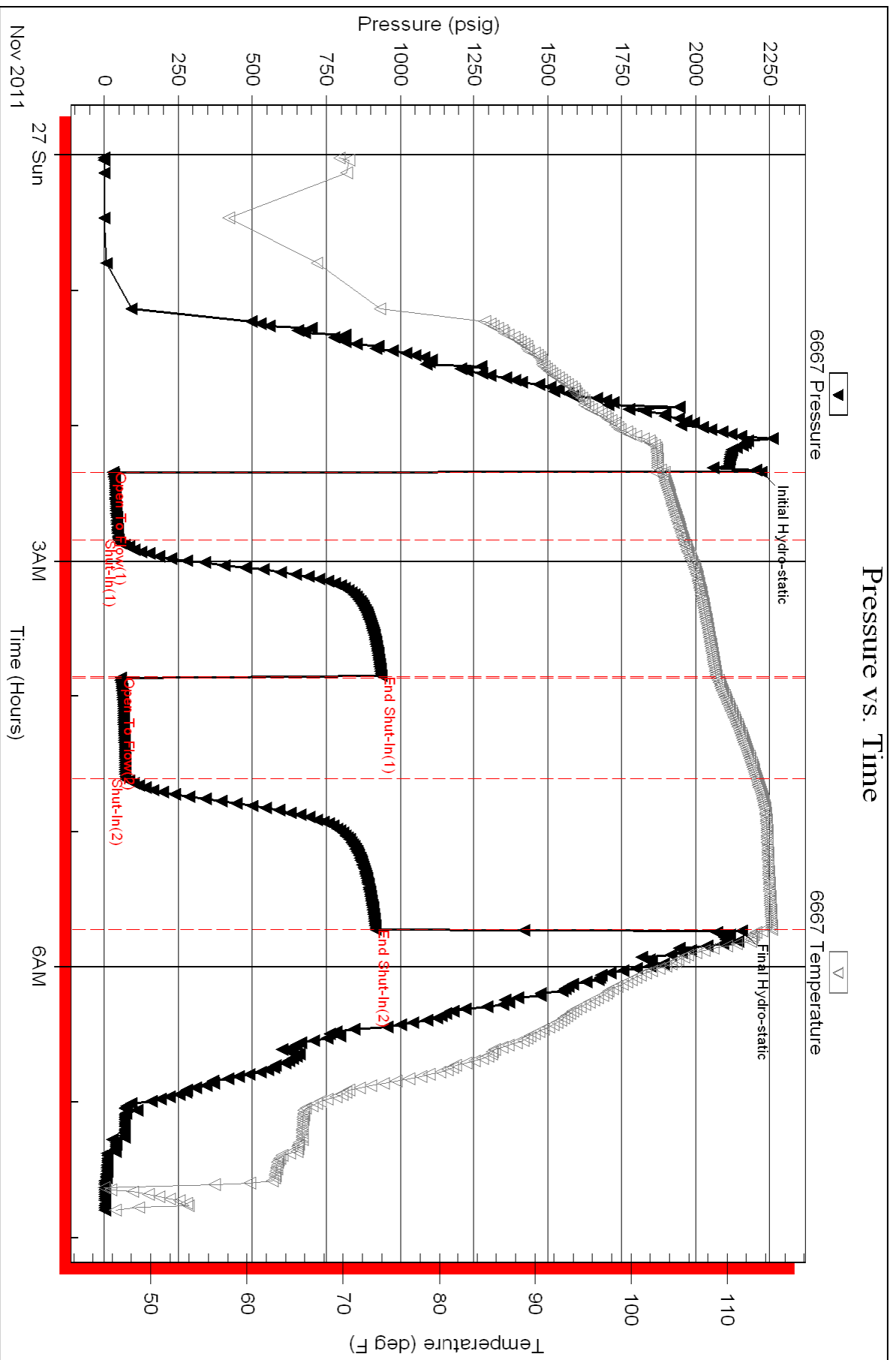
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. inc.

**14-14-32 Logan, Ks**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44927

**DST#: 5**

ATTN: Tim Priest

Test Start: 2011.11.27 @ 20:30:51

## GENERAL INFORMATION:

Formation: **Cherokee-Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 22:06:51

Time Test Ended: 04:25:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4366.00 ft (KB) To 4440.00 ft (KB) (TVD)**

Reference Elevations: 2825.00 ft (KB)

Total Depth: 4440.00 ft (KB) (TVD)

2816.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 6667 Outside**

Press @ Run Depth: 96.18 psig @ 4367.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.27

End Date:

2011.11.28

Last Calib.:

2011.11.28

Start Time: 20:30:51

End Time:

04:11:21

Time On Btm:

2011.11.27 @ 22:06:06

Time Off Btm:

2011.11.28 @ 01:24:06

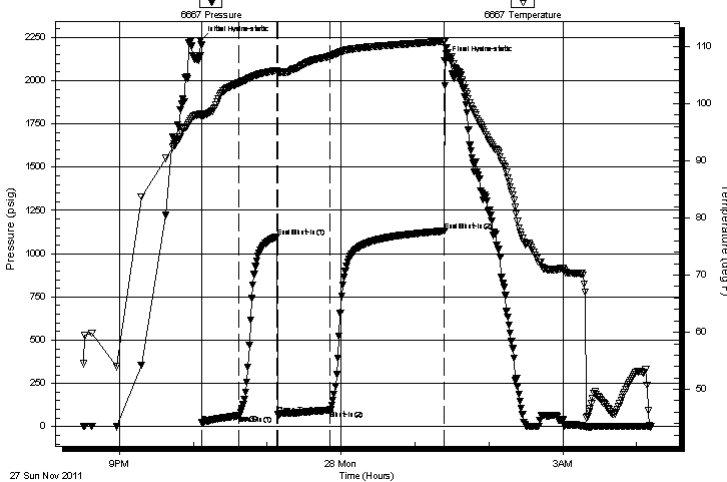
**TEST COMMENT:** 7" in blow

Surface return died in 18 min

B.O.B. in 36 min

Surface return died in 53 min

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.64	98.18	Initial Hydro-static
1	22.10	97.68	Open To Flow (1)
31	64.94	103.63	Shut-In(1)
62	1097.55	105.84	End Shut-In(1)
63	69.01	105.54	Open To Flow (2)
105	96.18	108.36	Shut-In(2)
198	1130.61	110.93	End Shut-In(2)
198	2116.23	111.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	g o c m 10%g 20%o 70%m	0.34
120.00	g o c m 15%g 35%o 50%m	0.94
0.00	410' 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 Co. inc.

**14-14-32 Logan, Ks**

202 W. Main  
Salem IL. 62881

**Ottley 5-14**

Job Ticket: 44927

**DST#: 5**

ATTN: Tim Priest

Test Start: 2011.11.27 @ 20:30:51

## 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: 61.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
70.00	g o c m 10%g 20%o 70%m	0.344
120.00	g o c m 15%g 35%o 50%m	0.936
0.00	410' gas in pipe	0.000

Total Length: 190.00 ft

Total Volume: 1.280 bbl

Num Fluid Samples: 0

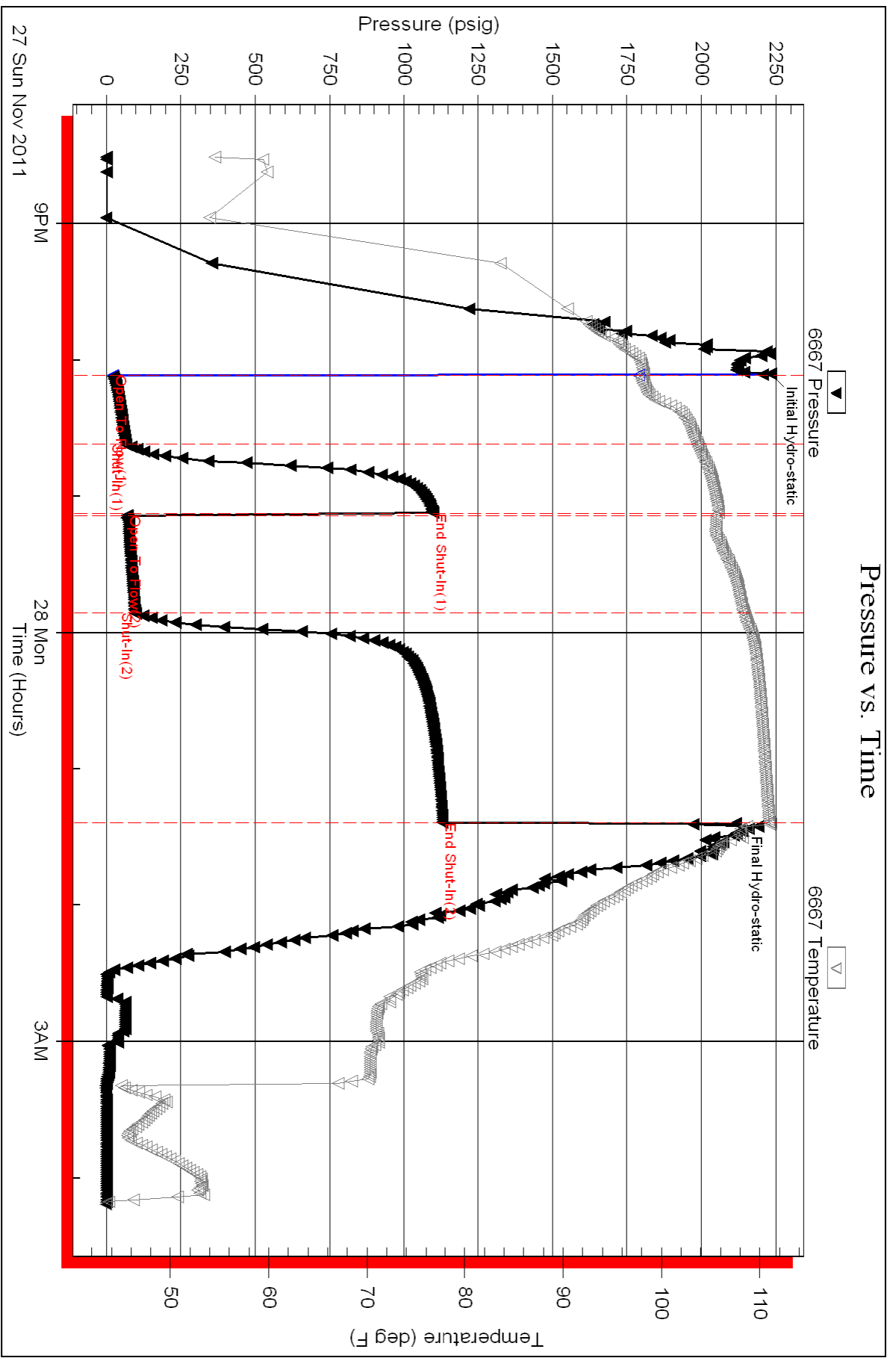
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (817) 546-7282  
 Fax: (817) 246-3361

# INVOICE

Invoice Number: 129344  
 Invoice Date: Nov 17, 2011  
 Page: 1

**Bill To:**  
 Shakespere Oil Co., Inc.  
 202 West Main St.  
 Salem, IL 62881

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Ottley #5-14	Net 30 Days
Job Location	Camp Location	Service Date
KS1-01	Oakley	Nov 17, 2011
		Due Date
		12/17/11

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	16.25	2,843.75
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
184.00	SER	Handling	2.25	414.00
21.00	SER	Mileage	20.24	425.04
1.00	SER	Surface	1,125.00	1,125.00
42.00	SER	Heavy Vehicle Mileage	7.00	294.00
1.00	SER	Manifold Swedge Rental	325.00	325.00
42.00	SER	Light Vehicle Mileage	4.00	168.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Tyler Flipse		

*INT*

*10502-5*

*JP*

NOV 28 2011

Subtotal	6,007.74
Sales Tax	237.74
Total Invoice Amount	6,245.48
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,245.48</b>

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

\$ 1201.55

ONLY IF PAID ON OR BEFORE  
Dec 12, 2011

DW



# ALLIED CEMENTING CO., LLC. 036116

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Dickley, KS

DATE	11-17-11	SEC. 14	TWP. 14	RANGE 32	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE	Dickley	WELL # 5-14	LOCATION Dickley, KS 7051E				County Logan	STATE KS
OLD OR NEW	(Circle one)		Pluto					

CONTRACTOR HD #2 OWNER Same

TYPE OF JOB Seaface

HOLE SIZE 18 1/8" T.D. 2281

CASING SIZE 8 7/8" DEPTH 2281

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

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

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

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

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

CEMENT LEFT IN CSG. 151

PERFS. \_\_\_\_\_

DISPLACEMENT 13.64 bbl

EQUIPMENT

PUMP/TRUCK	CEMENTER <u>LaRene</u>
# <u>431</u>	HELPER <u>Parica</u>
BULK TRUCK	DRIVER <u>Tyler</u>
# <u>347</u>	DRIVER _____
BULK TRUCK	DRIVER _____
# _____	DRIVER _____

REMARKS:  
Mix 175 sacks down casing  
Displace with water  
Cement did circulate  
(Thank you)

SERVICE

DEPTH OF JOB	<u>2281</u>
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	_____
MILEAGE	<u>21 X 2</u>
MANIFOLD <u>swedge</u>	<u>7.00</u>
<u>light vehicle</u>	<u>325.00</u>
_____	<u>4.00</u>
_____	<u>768.00</u>
TOTAL	<u>4095.74</u>

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

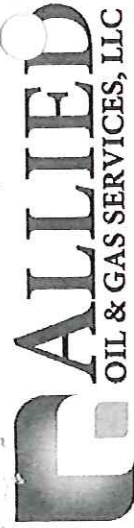
PLUG & FLOAT EQUIPMENT

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
TOTAL	_____

SALES TAX (if Any) \_\_\_\_\_

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

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



24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (817) 546-7282  
 Fax: (817) 246-3361

# INVOICE

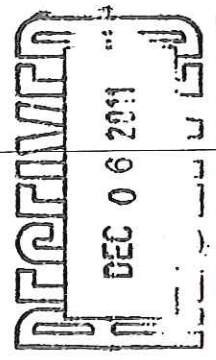
Invoice Number: 129497  
 Invoice Date: Nov 29, 2011  
 Page: 1

**Bill To:**  
 Shakespere Oil Co., Inc.  
 202 West Main St.  
 Salem, IL 62881

Federal Tax I.D.#: 20-5975804

*INT*

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Offley #5-14	Net 30 Days
Job Location	Camp Location	Service Date
KS1-02	Oakley	Nov 29, 2011
		Due Date
		12/29/11

Quantity	Item	Description	Unit Price	Amount
3.00	MAT	Gel	21.25	63.75
180.00	MAT	Class A ASC	19.00	3,420.00
17.00	MAT	Salt	23.95	407.15
900.00	MAT	Gilsonite	0.89	801.00
500.00	MAT	WFR-2	1.27	635.00
228.00	SER	Handling	2.25	513.00
25.00	SER	Mileage	25.08	627.00
1.00	SER	Production	2,405.00	2,405.00
25.00	SER	Heavy Vehicle Mileage	7.00	175.00
1.00	SER	Manifold Head Rental	200.00	200.00
25.00	SER	Light Vehicle Mileage	4.00	100.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Brandon Wilkinson		
<i>10502-S</i>				
				

Subtotal	9,346.90
Sales Tax	388.86
Total Invoice Amount	9,735.76
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,735.76</b>

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

\$ 1869.38

ONLY IF PAID ON OR BEFORE

Dec 24, 2011

*DW*

# ALLIED CEMENTING CO., LLC. 036127

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Dakley, KS

DATE <u>11-29-11</u>	SEC. <u>14</u>	TWP. <u>14</u>	RANGE <u>82</u>	CALLED OUT	LOCATION <u>Dakley, 209, 18, 12th</u>	JOB START <u>8:30 am</u>	JOB FINISH <u>7:30 pm</u>
LEASE <u>Offley</u>				WELL # <u>5-14</u>	COUNTY <u>Logan</u>	STATE <u>Ks</u>	
<input checked="" type="checkbox"/> OLD OR <input type="checkbox"/> NEW (circle one)							

CONTRACTOR HO #2 OWNER same

TYPE OF JOB production  
 HOLE SIZE 2 7/8 T.D. 4360  
 CASING SIZE 5 1/2 DEPTH 4558'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 42.14  
 CEMENT LEFT IN CSG. 42.14  
 PERFS.  
 DISPLACEMENT 109.98 bbl

EQUIPMENT	AMOUNT ORDERED
PUMP TRUCK	<u>180 sks / 190 / 108 skt</u>
# <u>431</u>	<u>580 gal WFR-2</u>
CEMENTER <u>LaRene</u>	COMMON
HELPER <u>Darren</u>	POZMIX
DRIVER <u>Brandon</u>	GEL <u>3500 2625 63.25</u>
DRIVER	CHLORIDE
	ASC <u>CLASS A - 185.85 19.00 3710.00</u>
	SALT <u>175.50 23.85 407.15</u>
	GILSQUITE <u>900 # 89 801.00</u>
	WFR-2 <u>500 gal 1.27 635.00</u>
	HANDLING <u>238.50 2.25 513.00</u>
	MILEAGE <u>128.76 / mile 622.00</u>
	TOTAL <u>6766.90</u>

REMARKS:  
Plug portable 30 sks  
with 150 sks down casing  
washing pump/liner  
displace with water  
hand plug at 100 # float hold  
Frankyer

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

DEPTH OF JOB	SERVICE
PUMP TRUCK CHARGE	<u>4558'</u>
EXTRA FOOTAGE	<u>2425.00</u>
MILEAGE <u>2.5</u>	<u>2.50 175.00</u>
MANIFOLD <u>head</u>	<u>900.00</u>
<u>light vehicle</u>	<u>4.00 100.00</u>
	TOTAL <u>2880.00</u>

PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_ IF PAID IN 30 DAYS  
 DISCOUNT \_\_\_\_\_

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: Dave Roberts  
 SIGNATURE: Dave Roberts  
Good Job!



24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (817) 546-7282  
 Fax: (817) 246-3361

**Bill To:**  
 Shakespere Oil Co., Inc.  
 202 West Main St.  
 Salem, IL 62881

10780011206  
 12-30-11  
**INVOICE**

Invoice Number: 129576  
 Invoice Date: Dec 6, 2011  
 Page: 1

Federal Tax I.D.#: 20-5975804

NT

Customer ID	Well Name# or Customer P.O.	Payment Terms
Shak	Ottley #5-14	Net 30 Days
Job Location	Service Date	Due Date
KS1-04	Dec 6, 2011	1/5/12
	Oakley	

Quantity	Item	Description	Unit Price	Amount
234.00	MAT	Class A Common	16.25	3,802.50
126.00	MAT	Pozmix	8.50	1,071.00
26.00	MAT	Gel	21.25	552.50
10.00	MAT	Cottonseed Hulls	31.85	318.50
90.00	MAT	FloSeal	2.70	243.00
524.00	SER	Handling	2.25	1,179.00
20.00	SER	Mileage	57.64	1,152.80
1.00	SER	Port Collar	2,125.00	2,125.00
20.00	SER	Heavy Vehicle Mileage	7.00	140.00
20.00	SER	Light Vehicle Mileage	4.00	80.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Brandon Wilkinson		

**RECEIVED**  
 DEC 19 2011  
 10502-5  
 Cement thru Port  
 Collar

Subtotal	10,664.30
Sales Tax	437.09
Total Invoice Amount	11,101.39
Payment/Credit Applied	\$8,916.53
<b>TOTAL</b>	<b>11,101.39</b>

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

\$2132.86 2010

ONLY IF PAID ON OR BEFORE  
 Dec 31, 2011

DW

# ALLIED CEMENTING CO., LLC. 036132

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Dakley, ks

DATE <u>1-26-11</u>	SEC. <u>14</u>	TWP. <u>18</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>10:00am</u>	JOB START <u>11:00am</u>	JOB FINISH <u>12:00noon</u>
LEASE <u>Ottley</u>	WELL # <u>5-14</u>			LOCATION <u>Dakley 20S, 1E, 12C</u>	COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR NEW <u>(circle one)</u>							

CONTRACTOR Fritzer OWNER Sams

TYPE OF JOB port collar

HOLE SIZE	T.D.
CASING SIZE	DEPTH
TUBING SIZE <u>2 7/8</u>	DEPTH <u>2270'</u>
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>8.5</u>	

### EQUIPMENT

PUMP TRUCK	CEMENTER <u>Lane</u>
# <u>431</u>	HELPER <u>Darrel</u>
BULK TRUCK	
# <u>396/306</u>	DRIVER <u>Brandon</u>
BULK TRUCK	DRIVER
#	

### REMARKS:

pressure system to 1000#  
Open port collar  
wired 350 sts with 500 # hauls  
Close port collar  
pressure system to 1000#  
washout  
Cement did circulate  
Team stop

CHARGE TO: Shakespeare Oil

STREET \_\_\_\_\_

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

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment 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 John Davison

SIGNATURE [Signature]

### CEMENT

AMOUNT ORDERED 475 sts 68/35 82gft  
1/4 Flosser  
500 # hauls on side

COMMON	<u>234stk</u>	@	<u>16.25</u>	<u>3802.50</u>
POZMIX	<u>126stk</u>	@	<u>8.50</u>	<u>1071.00</u>
GEL	<u>26stk</u>	@	<u>21.25</u>	<u>552.50</u>
CHLORIDE		@		
ASC		@		
		@		

Coffers hauls  
10370 @ 31.85 3287.50  
Flow seal 90 # @ 2.70 243.00

HANDLING 524 stk @ 2.25 1179.00  
 MILEAGE 1876 miles @ 11.52/80 2152.80  
 TOTAL 8319.30

### SERVICE

DEPTH OF JOB 2270'  
 PUMP TRUCK CHARGE @ 2125.00  
 EXTRA FOOTAGE @ 1800  
 MILEAGE 20 @ 7.00 140.00  
 MANIFOLD @ 400 80.00  
Lik mileage @

TOTAL 2345.00

### PLUG & FLOAT EQUIPMENT

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

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

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

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

March 05, 2012

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

Re: ACO1  
API 15-109-21035-00-00  
Ottley 5-14  
NE/4 Sec.14-14S-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