



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1081175  
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: \_\_\_\_\_

1081175

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> <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	Janzen 1-15
Doc ID	1081175

All Electric Logs Run

Array Induction
Photo Density
Comp. Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-15
Doc ID	1081175

Tops

Name	Top	Datum
Base Anhydrite	2474	+658
Heebner	3986	-854
Lansing	4026	-894
Muncie Creek	4212	-1080
Stark Shale	4305	-1173
Hushpuckney	4348	-1216
Marmaton	4440	-1308
Pawnee	4518	-1386
L. Cherokee Shale	4599	-1467
Johnson	4644	-1512
Morrow Shale	4719	-1587
Mississippian	4782	-1650



PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 130967

Invoice Date: Apr 25, 2012

Page: 1



**Bill To:**

Shakespeare Oil Co., Inc.  
202 West Main St.  
Salem, IL 62881

*INT*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Jan <del>6</del> en 1-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Apr 25, 2012	5/25/12

Quantity	Item	Description	Unit Price	Amount
168.00	MAT	Class A Common	16.25	2,730.00
112.00	MAT	Pozmix	8.50	952.00
10.00	MAT	Gel	21.25	212.50
70.00	MAT	FloSeal	2.70	189.00
301.86	SER	Cubic Feet	2.10	633.91
566.60	SER	Ton Miles	2.35	1,331.51
1.00	SER	Plug To Abandon	1,250.00	1,250.00
45.00	SER	Heavy Vehicle Mileage	7.00	315.00
45.00	SER	Light Vehicle Mileage	4.00	180.00
1.00	EQUIP OPER	Darren Racette		
1.00	OPER ASSIST	Tyler Flipse		
1.00	OPER ASSIST	Steve Heikkila		



*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

\$ **1558.79**

ONLY IF PAID ON OR BEFORE  
May 20, 2012

Subtotal	7,793.92
Sales Tax	568.96
Total Invoice Amount	8,362.88
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,362.88</b>

*DW*

# ALLIED CEMENTING CO., LLC. 040961

Federal Tax I.D.# 20-5975804

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

SERVICE POINT  
*Orkney*

DATE <i>4-25-12</i>	SEC. <i>15</i>	TWP. <i>16</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION <i>1:30 AM</i>	JOB START <i>7:00 AM</i>	JOB FINISH <i>7:30 AM</i>
LEASE <i>Janzen</i>	WELL # <i>1-15</i>	LOCATION <i>Pence 1N-1/2E-S+W into</i>			COUNTY <i>Logan</i>	STATE <i>Ks.</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *HD #2*

TYPE OF JOB *PTA*

HOLE SIZE *7 7/8* T.D. *24875*

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

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

DRILL PIPE *4 1/2* DEPTH *2460*

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

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

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

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

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

DISPLACEMENT *27.87 water & mud*

OWNER *Same*

CEMENT

AMOUNT ORDERED *280 SKS 60/40 40/60 14" Flo seal*

COMMON	<i>168 SKS</i>	<i>@16.25</i>	<i>\$2730.00</i>
POZMIX	<i>112 SKS</i>	<i>@8.50</i>	<i>\$952.00</i>
GEL	<i>10 SKS</i>	<i>@21.25</i>	<i>\$212.50</i>
CHLORIDE		@	
ASC		@	
<i>Flo Seal 20"</i>		<i>@ 2.70</i>	<i>\$189.00</i>
		@	
		@	
		@	
		@	
HANDLING <i>301.96</i>		<i>@4.20</i>	<i>\$1268.16</i>
MILEAGE <i>12.591 x 45 x</i>		<i>@7.22</i>	<i>\$903.99</i>
TOTAL			<i>\$6237.90</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Damon R.*

# *422* HELPER *Tyler*

BULK TRUCK

# *404* DRIVER *Steve*

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

<i>Mix 50 SKS Cement</i>	<i>2460 FT</i>
<i>Mix 80 SKS Cement</i>	<i>1620 FT</i>
<i>Mix 50 SKS Cement</i>	<i>810 FT</i>
<i>Mix 50 SKS Cement</i>	<i>300 FT</i>
<i>Mix 20 SKS Cement</i>	<i>60 FT</i>
<i>Plug Rat Hole</i>	<i>303 SKS</i>

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE		<i>\$1250.00</i>	
EXTRA FOOTAGE	@		
MILEAGE <i>45 miles</i>	<i>@7.00</i>	<i>\$315.00</i>	
MANIFOLD	@		
<i>20 mileage</i>	<i>@4.00</i>	<i>\$180.00</i>	
	@		
TOTAL			<i>\$1745.00</i>

CHARGE TO: *Snake spare oil & Gas*

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

_____	@		
_____	@		
_____	@		
_____	@		
_____	@		
TOTAL			_____

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 *P. Wood*

SIGNATURE *P. Wood*

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: 130826

Invoice Date: Apr 11, 2012

Page: 1



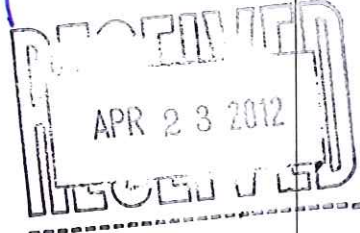
**Bill To:**

Shakespeare Oil Co., Inc.  
202 West Main St.  
Salem, IL 62881

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Shak	Jonzon #1-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Apr 11, 2012	5/11/12

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
189.18	SER	Handling	2.10	397.28
45.00	SER	Ton Miles	20.29	913.25
1.00	SER	Surface	1,125.00	1,125.00
45.00	SER	Heavy Vehicle Mileage	7.00	315.00
45.00	SER	Light Vehicle Mileage	4.00	180.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	EQUIP OPER	Cesar Pavia		
1.00	OPER ASSIST	Chris Helpingstine		

INT



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

\$ 1237.45

ONLY IF PAID ON OR BEFORE  
May 6, 2012

Subtotal	6,187.23
Sales Tax	237.74
Total Invoice Amount	6,424.97
Payment/Credit Applied	
<b>TOTAL</b>	<b>6,424.97</b>

DW

# ALLIED CEMENTING CO., LLC. 035375

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
*Oddley, KS*

DATE	11/11	SIG.	TRV.	18	FRAN.	14	CALLER OUT	ON LOCATION	JOB START	FOR FINISH
LEASER OR OWNER	WELLS	WELLS	WELLS	WELLS	WELLS	WELLS	POWELL	ESSEX	11/20/07	12/20/07
OLD OR NEW	(Circle one)									

CONTRACTOR *H.D. Bellinger #2*  
 TYPE OF JOB *Surface*  
 HOLE SIZE *16 1/4* I.D. *268'*  
 CASING SIZE *210* DEPTH *268'*  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TRES. MAX. \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAN LINE \_\_\_\_\_ SHOP JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT *16.1* EQUIPMENT \_\_\_\_\_

OWNER *Some*  
 CEMENT AMOUNT ORDERED *391.125 yds*  
 COMMON *175* @ *16.25* = *2843.75*  
 POZAMIX @ \_\_\_\_\_  
 GEL @ *2.12* = *63*  
 CHLORIDE @ *5.8* = *348.22*  
 ASC @ \_\_\_\_\_

PUMP/TRUCK CEMENTER *Alan*  
 # *372* HELPER *Kayce/Conn*  
 BULK TRUCK # *283* DRIVER *Chris*  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_  
 HANDLING @ *2.10* = *1397.97*  
 MILEAGE @ *66.70* = *235*  
 TOTAL *4467.94*

REMARKS:  
*Supply Cement, Mix cement*  
*Displace Cement*  
*Cement Add Concrete*  
*Thank you for your cooperation*  
 CHARGE TO: *Shell Special Oil - Case*  
 STREET \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DEPTH OF JOB	268'
PUMP/TRUCK CHARGE	1335.44
EXTRA FOOTAGE	0
MILEAGE	45
MANIFOLD	0
CHARGE TO	1800.00
TOTAL	1620.44

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

PRINTED NAME *Ben Roberts*  
 SIGNATURE *Ben Roberts*

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.



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

**COMPANY** HANZEN #1-15  
**LEASE** SHAKESPEAR OIL CO.  
**FIELD** Wildcat  
**LOCATION** 1570' ENL, 2305' FWL  
**SEC** 15 T19SP 16S R0E 34W  
**COUNTY** Scott STATE Kansas  
**CONTRACTOR** HD Rite 2  
**SPUD** 4-11-12 **COMP** 4-24-12  
**RTD** 4875' **LTD** 4876'  
**MUD UP** 3500' **TYPE MUD** Chemical  
**SAMPLES SAVED FROM** 3800' to RTD  
**DRILLING TIME KEPT FROM** 3750' to RTD  
**SAMPLES EXAMINED FROM** 3800' to RTD  
**GEOLOGICAL SUPERVISION FROM** 3900' to RTD  
**GEOLOGIST ON WELL** Tim Priest

**CONDUCTOR** N/A  
**CASING** 8-5/8" @265'  
**PRODUCTION** None  
**SURFACE** 8-5/8" @265'  
**MEASUREMENTS** Are All From KB

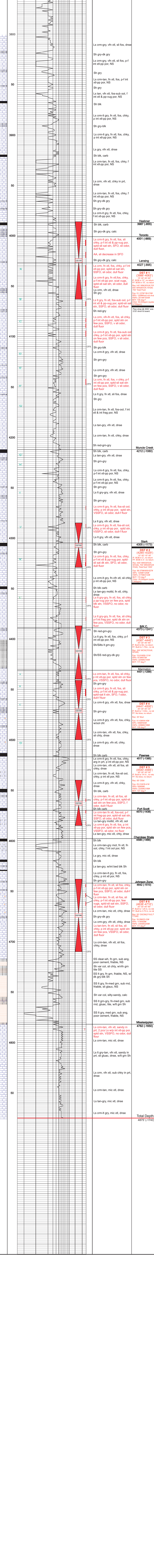
**ELEVATIONS**  
**EL 3132'**  
**DF** \_\_\_\_\_  
**GL** 3122'

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anyvrite	2454 (-680)	2458 (-676)
Heebner Shale	3986 (-854)	3987 (-855)
Amstung	4027 (-895)	4027 (-895)
SBRK	4305 (-1173)	4305 (-1173)
	4387 (-1255)	4389 (-1257)
Fort Scott	4572 (-1440)	4571 (-1439)
Cherokee Shale	4599 (-1467)	4597 (-1465)
Mississippian	4782 (-1650)	4782 (-1650)

**REMARKS** Due to the negative results of drill stem tests, it was decided to plug and abandon the well

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-171-20861-00-00





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**15-16-34 Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 1-15**

Job Ticket: 45710

**DST#: 1**

ATTN: Tim Priest

Test Start: 2012.04.16 @ 18:02:50

## GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:34:50

Time Test Ended: 00:20:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

**Interval: 3986.00 ft (KB) To 4063.00 ft (KB) (TVD)**

Total Depth: 4063.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3132.00 ft (KB)

3122.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8734 Outside**

Press @ Run Depth: 218.27 psig @ 3993.00 ft (KB)

Start Date: 2012.04.16

End Date:

2012.04.17

Start Time: 18:02:51

End Time:

00:20:50

Capacity: 8000.00 psig

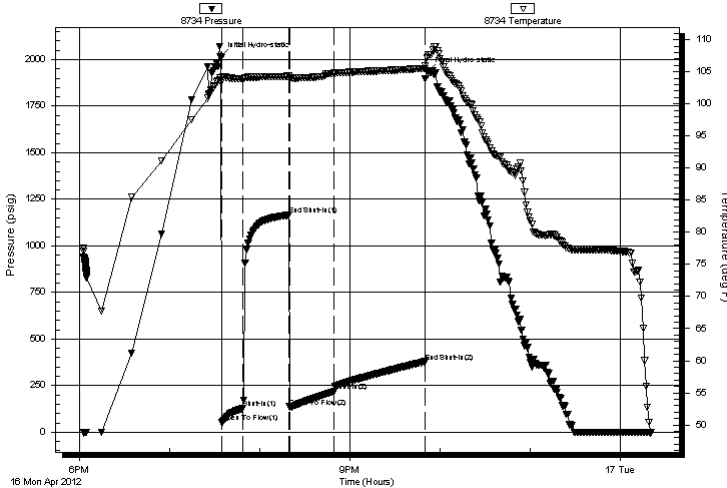
Last Calib.: 2012.04.17

Time On Btm: 2012.04.16 @ 19:33:50

Time Off Btm: 2012.04.16 @ 21:52:20

**TEST COMMENT:** IFP - BOB 12 min  
ISI - no blow back  
FFP - BOB 15 min  
FSI - BOB 20 min

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2013.55	104.03	Initial Hydro-static
1	50.58	103.59	Open To Flow (1)
15	127.42	103.92	Shut-In(1)
46	1164.65	104.32	End Shut-In(1)
46	136.05	103.75	Open To Flow (2)
76	218.27	104.79	Shut-In(2)
136	378.27	105.54	End Shut-In(2)
139	1933.73	107.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
555.00	MW 85%W, 15%M	6.69
145.00	WM 30%W, 70%M	2.03

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**15-16-34 Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 1-15**

Job Ticket: 45710

**DST#: 1**

ATTN: Tim Priest

Test Start: 2012.04.16 @ 18:02:50

## 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:

50000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
555.00	MW 85%W, 15%M	6.692
145.00	WM 30%W, 70%M	2.034

Total Length: 700.00 ft

Total Volume: 8.726 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

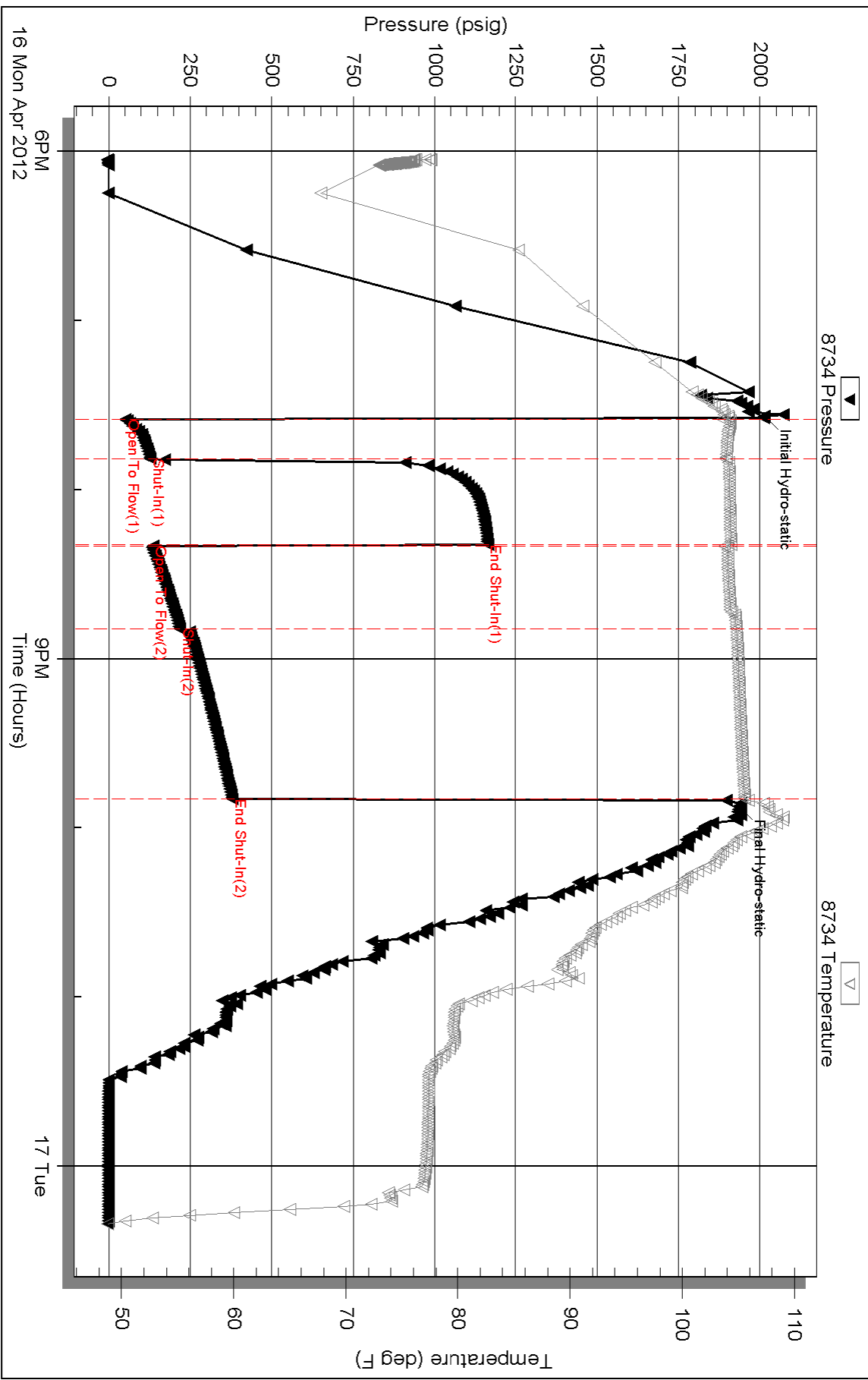
Serial #: 8734

Outside Shakespeare Oil Co. Inc

Janzen 1-15

DST Test Number: 1

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil co, inc  
 202 W Main ST  
 Salem IL  
 62881+1519  
 ATTN: Tim Priest

**15 16 34 W**

**Janzen 1-15**

Job Ticket: 46468

**DST#: 2**

Test Start: 2012.04.18 @ 08:58:58

## GENERAL INFORMATION:

Formation: **K**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 11:12:13  
 Time Test Ended: 15:07:58  
 Interval: **4285.00 ft (KB) To 4329.00 ft (KB) (TVD)**  
 Total Depth: 4329.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Cole Archibald  
 Unit No: 40  
 Reference Elevations: 3129.00 ft (KB)  
 3122.00 ft (CF)  
 KB to GR/CF: 7.00 ft

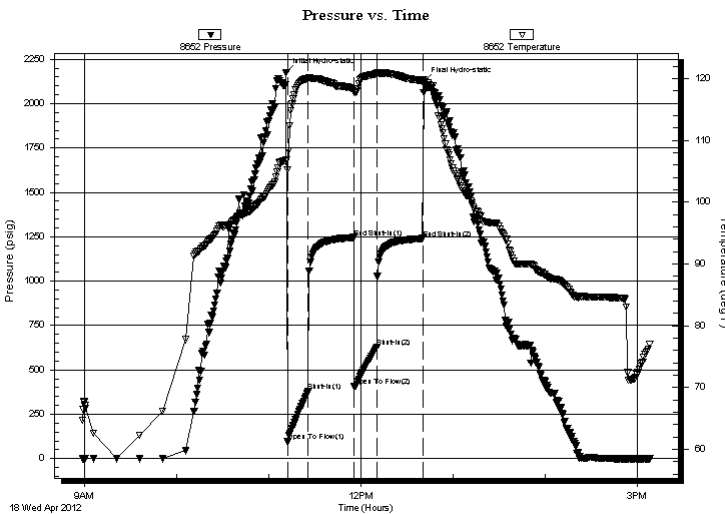
## Serial #: 8652

Inside

Press @ Run Depth: 627.23 psig @ 4286.00 ft (KB)  
 Start Date: 2012.04.18 End Date: 2012.04.18  
 Start Time: 08:59:03 End Time: 15:07:57  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.04.18  
 Time On Btm: 2012.04.18 @ 11:11:28  
 Time Off Btm: 2012.04.18 @ 12:41:13

TEST COMMENT: B.O.B 2 minutes  
 No return  
 B.O.B 2 minutes  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.80	106.82	Initial Hydro-static
1	95.54	105.31	Open To Flow (1)
15	378.62	120.07	Shut-In(1)
44	1245.80	118.34	End Shut-In(1)
45	405.71	117.82	Open To Flow (2)
59	627.23	120.78	Shut-In(2)
89	1240.26	119.61	End Shut-In(2)
90	2122.86	119.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
700.00	SW M 95 %SW 5%M	9.02
600.00	MW 50M 50W	8.42

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil co, inc

**15 16 34 W**

202 W Main ST  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 46468

**DST#: 2**

Test Start: 2012.04.18 @ 08:58:58

## 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:

25000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
700.00	SW M95 %SW 5%M	9.017
600.00	MW 50M 50W	8.416

Total Length: 1300.00 ft      Total Volume: 17.433 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .258 @ 80 F\* =25,000

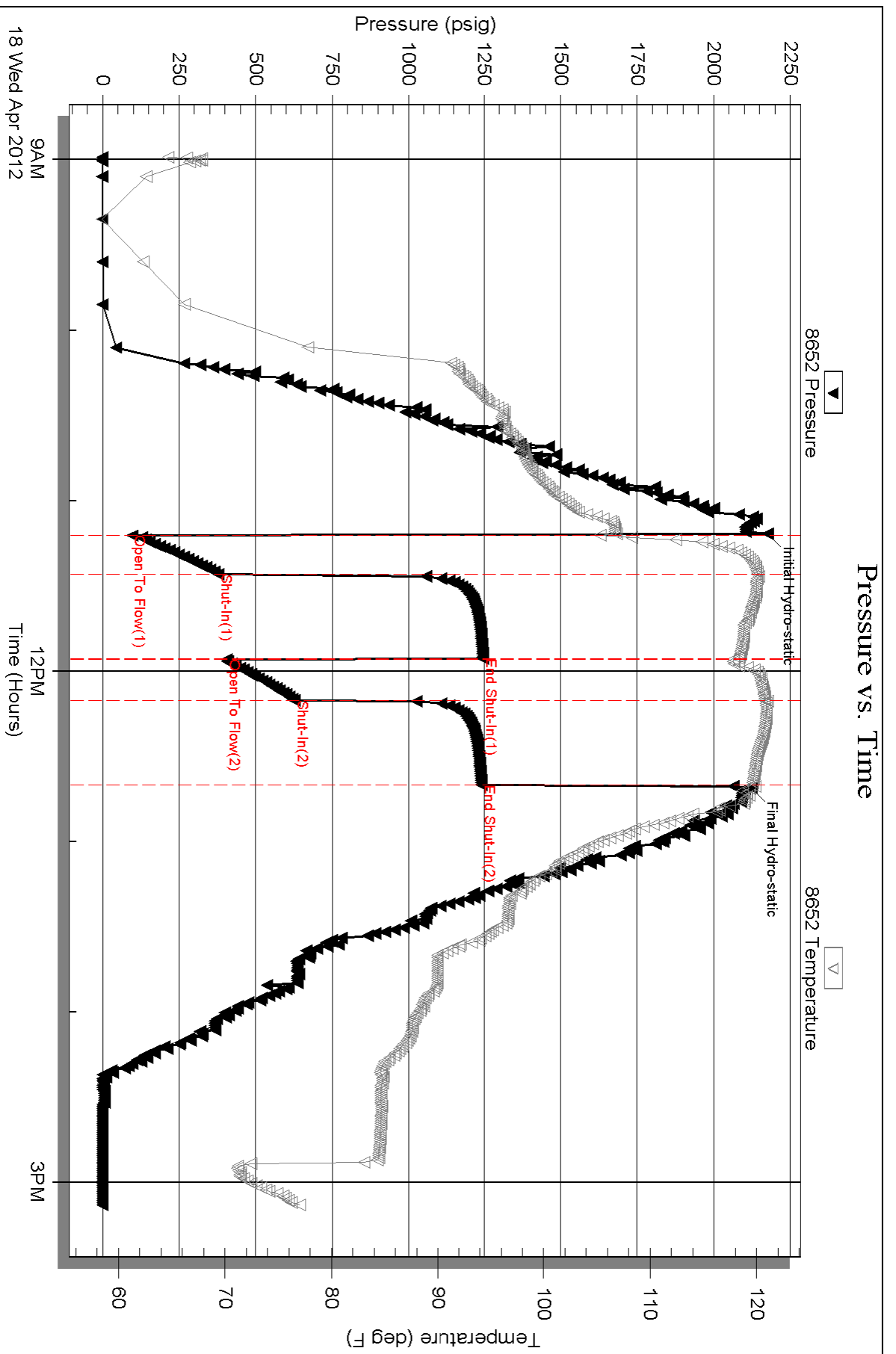
Serial #: 8652

Inside

Shakespeare Oil co, inc

Janzen 1-15

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 46468

Printed: 2012.04.18 @ 16:22:49



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespear oil co, inc

**15 16 34 W**

202 W Main ST  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 46469

**DST#: 3**

Test Start: 2012.04.19 @ 07:35:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 09:10:00

Time Test Ended: 14:34:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Cole Archibald

Unit No: 40

**Interval: 4387.00 ft (KB) To 4400.00 ft (KB) (TVD)**

Reference Elevations: 3129.00 ft (KB)

Total Depth: 4440.00 ft (KB) (TVD)

3122.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8652 Inside**

Press @ RunDepth: 130.88 psig @ 4388.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.19

End Date:

2012.04.19

Last Calib.:

2012.04.19

Start Time: 07:35:05

End Time:

14:34:29

Time On Btm:

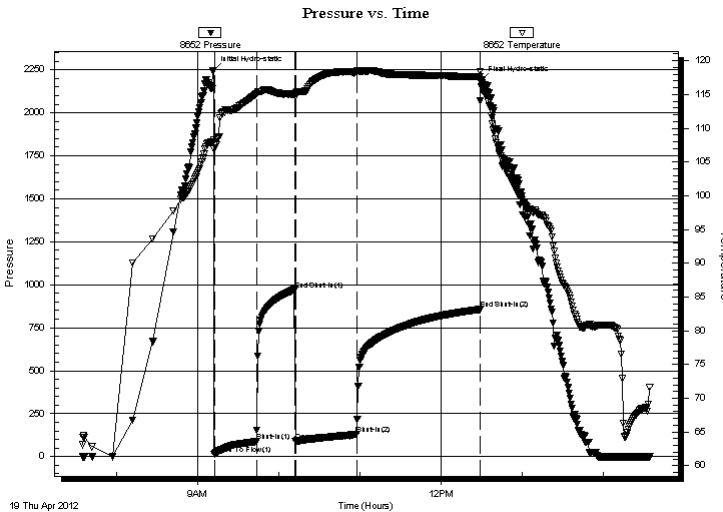
2012.04.19 @ 09:12:00

Time Off Btm:

2012.04.19 @ 12:29:44

**TEST COMMENT:** Built to 6 inch's  
No return  
built to 1 3/4 inch  
No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.02	108.27	Initial Hydro-static
1	15.40	106.91	Open To Flow (1)
32	90.85	115.08	Shut-In(1)
60	972.63	115.02	End Shut-In(1)
61	90.20	114.75	Open To Flow (2)
106	130.88	118.35	Shut-In(2)
197	856.75	117.62	End Shut-In(2)
198	2184.38	116.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	Rw .284 @ 71 F* =25,000	0.00
300.00	MCW 70% m 30% W	3.41

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear oil co, inc

**15 16 34 W**

202 W Main ST  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 46469

**DST#: 3**

Test Start: 2012.04.19 @ 07:35:00

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	Rw .284 @ 71 F* =25,000	0.000
300.00	MCW 70% m 30% W	3.406

Total Length: 300.00 ft      Total Volume: 3.406 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

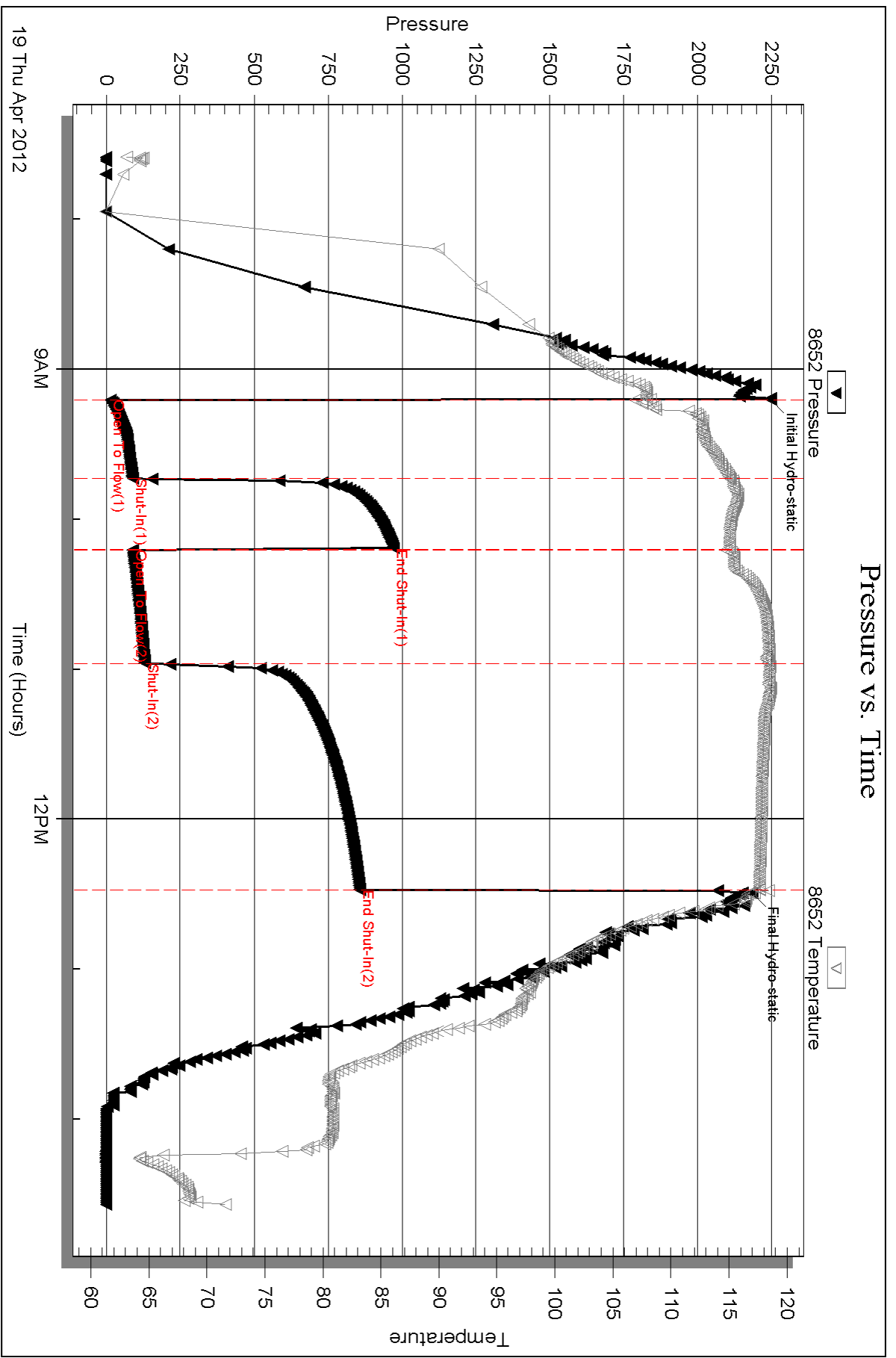
Serial #: 8652

Inside

Shakespeare oil co, inc

Janzen 1-15

DST Test Number: 3





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespear oil co, inc

**15 16 34 W**

202 W Main ST  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 46470

**DST#: 4**

Test Start: 2012.04.20 @ 16:21:05

## GENERAL INFORMATION:

Formation: **marmaton**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 18:26:30

Time Test Ended: 22:28:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Cole Archibald

Unit No: 40

**Interval: 4441.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Reference Elevations: 3129.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

3122.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8652**

**Inside**

Press @ Run Depth: 45.37 psig @ 4442.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.20

End Date: 2012.04.20

Last Calib.: 2012.04.20

Start Time: 16:21:05

End Time: 22:28:29

Time On Btm: 2012.04.20 @ 18:26:00

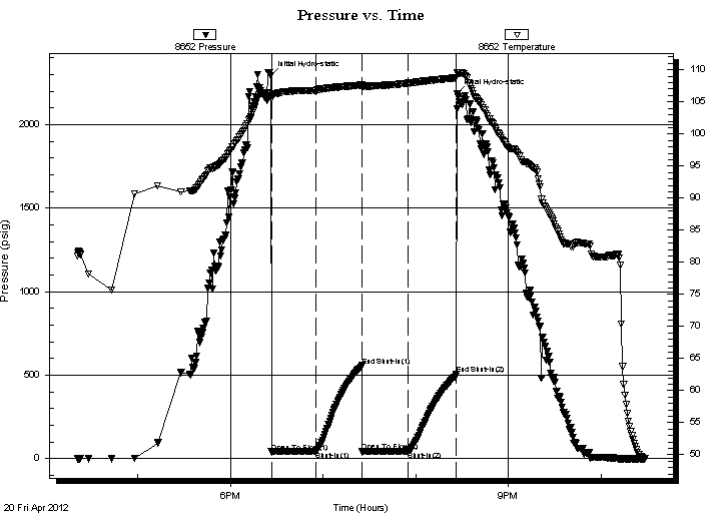
Time Off Btm: 2012.04.20 @ 20:27:00

TEST COMMENT: 1 3/4 inch blow

No return

No Blow

No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.85	105.74	Initial Hydro-static
1	40.96	105.50	Open To Flow (1)
30	43.30	106.83	Shut-In(1)
60	556.35	107.63	End Shut-In(1)
60	43.74	107.38	Open To Flow (2)
90	45.37	107.93	Shut-In(2)
121	504.37	108.78	End Shut-In(2)
121	2187.66	109.60	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100% M	0.22

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear oil co, inc

**15 16 34 W**

202 W Main ST  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 46470

**DST#: 4**

Test Start: 2012.04.20 @ 16:21:05

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 69.00 sec/qt

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

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	M 100% M	0.220

Total Length: 30.00 ft      Total Volume: 0.220 bbl

Num Fluid Samples: 0

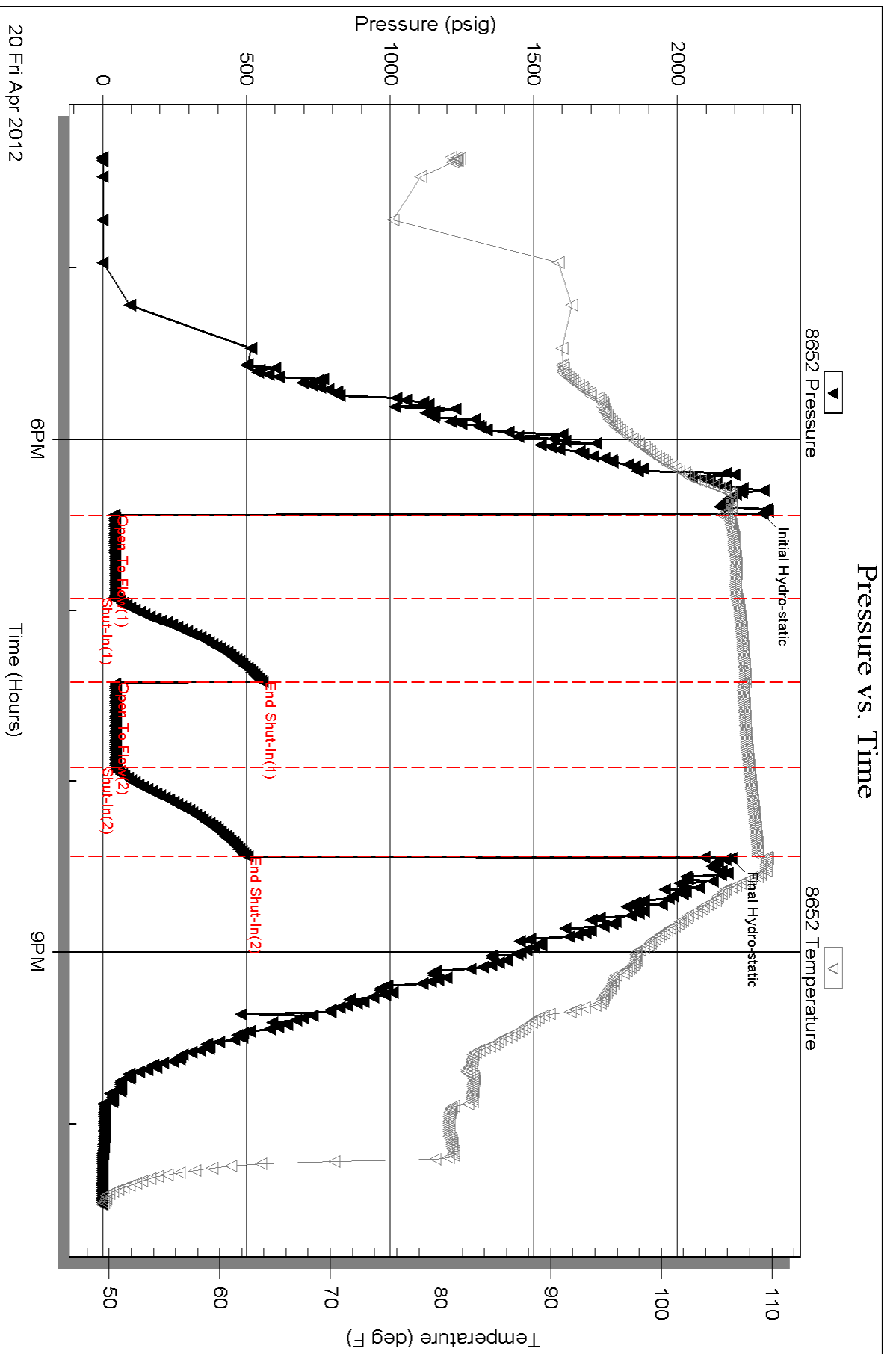
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespear Oil Co, Inc

**15-16s-34w Scott Co. KS**

202 W Main St.  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 45834

**DST#: 5**

Test Start: 2012.04.22 @ 07:02:00

## GENERAL INFORMATION:

Formation: **Myric / Ft. Scott**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 08:55:25

Time Test Ended: 12:54:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

**Interval: 4540.00 ft (KB) To 4585.00 ft (KB) (TVD)**

Reference Elevations: 3129.00 ft (KB)

Total Depth: 4585.00 ft (KB) (TVD)

3122.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8652 Inside**

Press @ Run Depth: 41.57 psig @ 4541.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.22

End Date: 2012.04.22

Last Calib.: 2012.04.22

Start Time: 07:02:00

End Time: 12:54:39

Time On Btm: 2012.04.22 @ 08:54:55

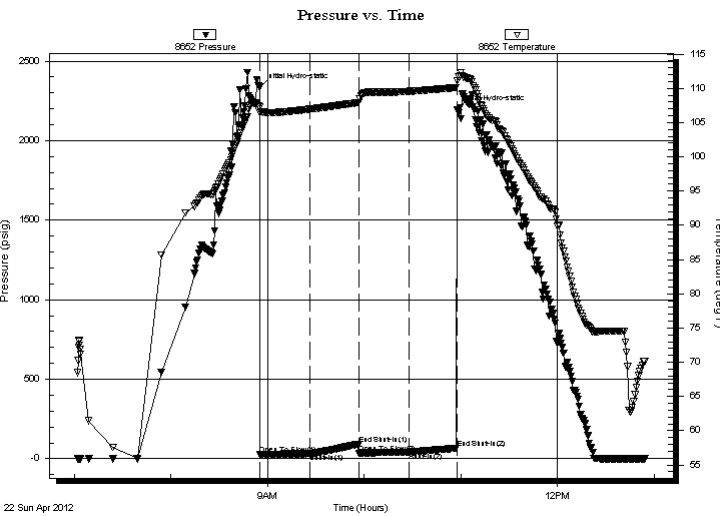
Time Off Btm: 2012.04.22 @ 10:57:55

TEST COMMENT: IF- Weak Surface Blow

IS- No Blow

FF- No Blow

FS- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2335.88	107.29	Initial Hydro-static
1	25.05	106.44	Open To Flow (1)
32	31.36	106.98	Shut-In(1)
62	92.77	107.92	End Shut-In(1)
62	35.17	107.92	Open To Flow (2)
93	41.57	109.58	Shut-In(2)
123	66.77	110.13	End Shut-In(2)
123	2195.40	111.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	100% m ( Few Oil Spots in Tool )	0.32

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespear Oil Co, Inc

**15-16s-34w Scott Co. KS**

202 W Main St.  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 45834

**DST#: 5**

Test Start: 2012.04.22 @ 07:02:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 9.17 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	100% <sub>m</sub> ( Few Oil Spots in Tool )	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:

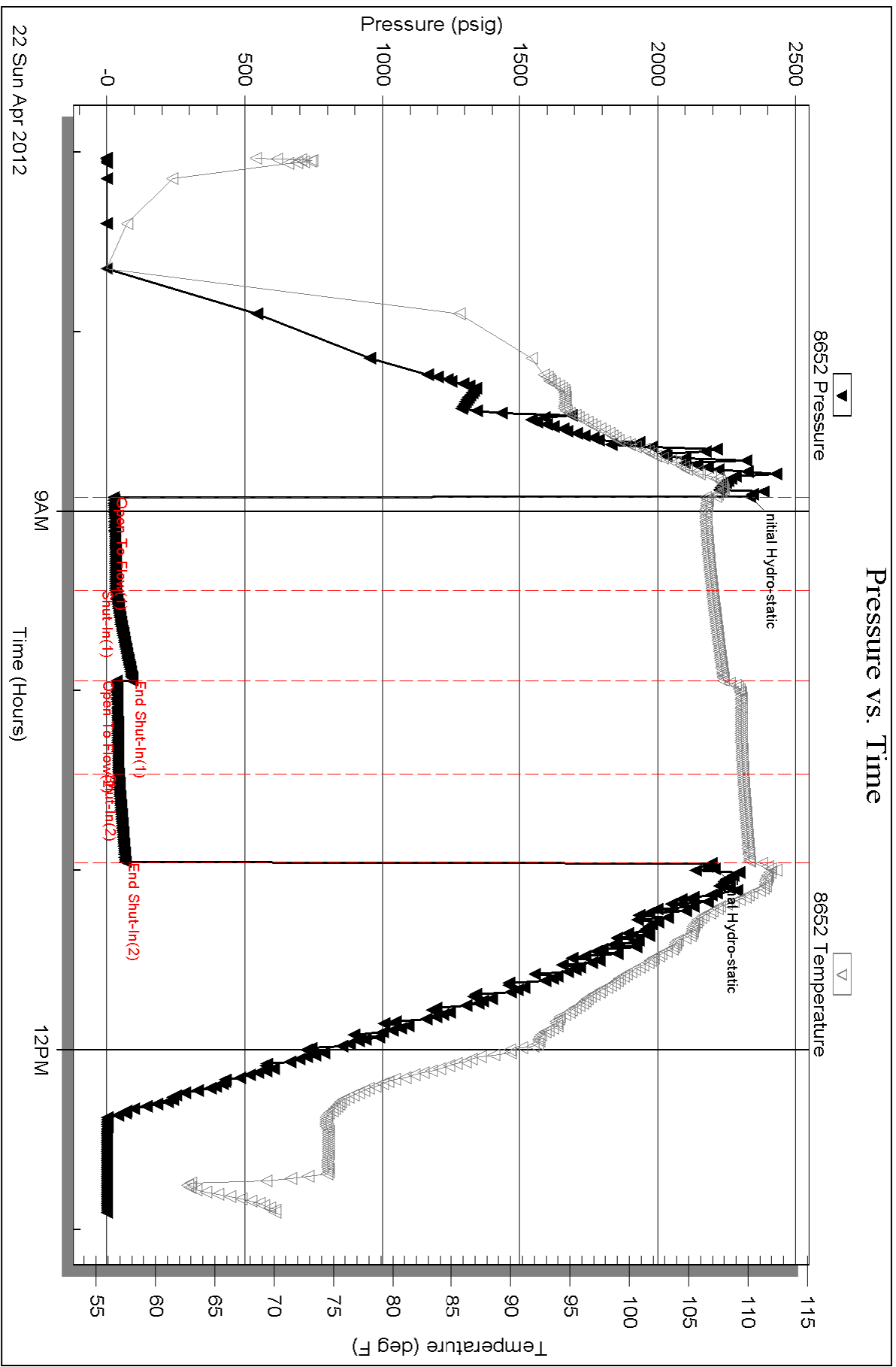
Serial #: 8652

Inside

Shakespeare Oil Co, Inc

Janzen 1-15

DST Test Number: 5







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespear Oil Co, Inc

**15-16s-34w Scott Co. KS**

202 W Main St.  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 45835

**DST#: 6**

Test Start: 2012.04.23 @ 08:15:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 10:24:55

Time Test Ended: 16:14:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

**Interval: 4638.00 ft (KB) To 4710.00 ft (KB) (TVD)**

Reference Elevations: 3129.00 ft (KB)

Total Depth: 4710.00 ft (KB) (TVD)

3122.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8652 Inside**

Press @ Run Depth: 33.51 psig @ 4639.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.23

End Date:

2012.04.23

Last Calib.: 2012.04.23

Start Time: 08:15:00

End Time:

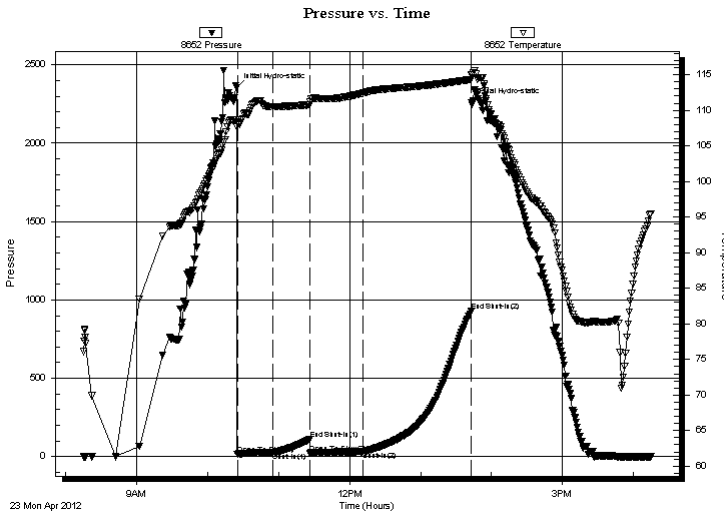
16:14:39

Time On Btm: 2012.04.23 @ 10:24:40

Time Off Btm: 2012.04.23 @ 13:43:09

**TEST COMMENT:** IF- Weak Surface Blow Built to 1 1/4"  
IS- No Blow  
FF- Weak Surface Blow Built to 3 3/4"  
FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2355.81	108.72	Initial Hydro-static
1	16.59	107.67	Open To Flow (1)
31	26.37	110.54	Shut-In(1)
62	111.16	110.79	End Shut-In(1)
62	23.02	111.16	Open To Flow (2)
107	33.51	112.41	Shut-In(2)
199	928.83	114.33	End Shut-In(2)
199	2259.91	115.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	OGCM 7%oil 21%g 71%m	0.37
0.00	132' of GIP	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**

Shakespear Oil Co, Inc

**15-16s-34w Scott Co. KS**

202 W Main St.  
Salem IL  
62881+1519  
ATTN: Tim Priest

**Janzen 1-15**

Job Ticket: 45835

**DST#: 6**

Test Start: 2012.04.23 @ 08:15:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 71.00 sec/qt

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

Resistivity: ohm.m

Salinity: 8500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	OGCM 7%oil 21%g 71%m	0.367
0.00	132' of GIP	0.000

Total Length: 50.00 ft      Total Volume: 0.367 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

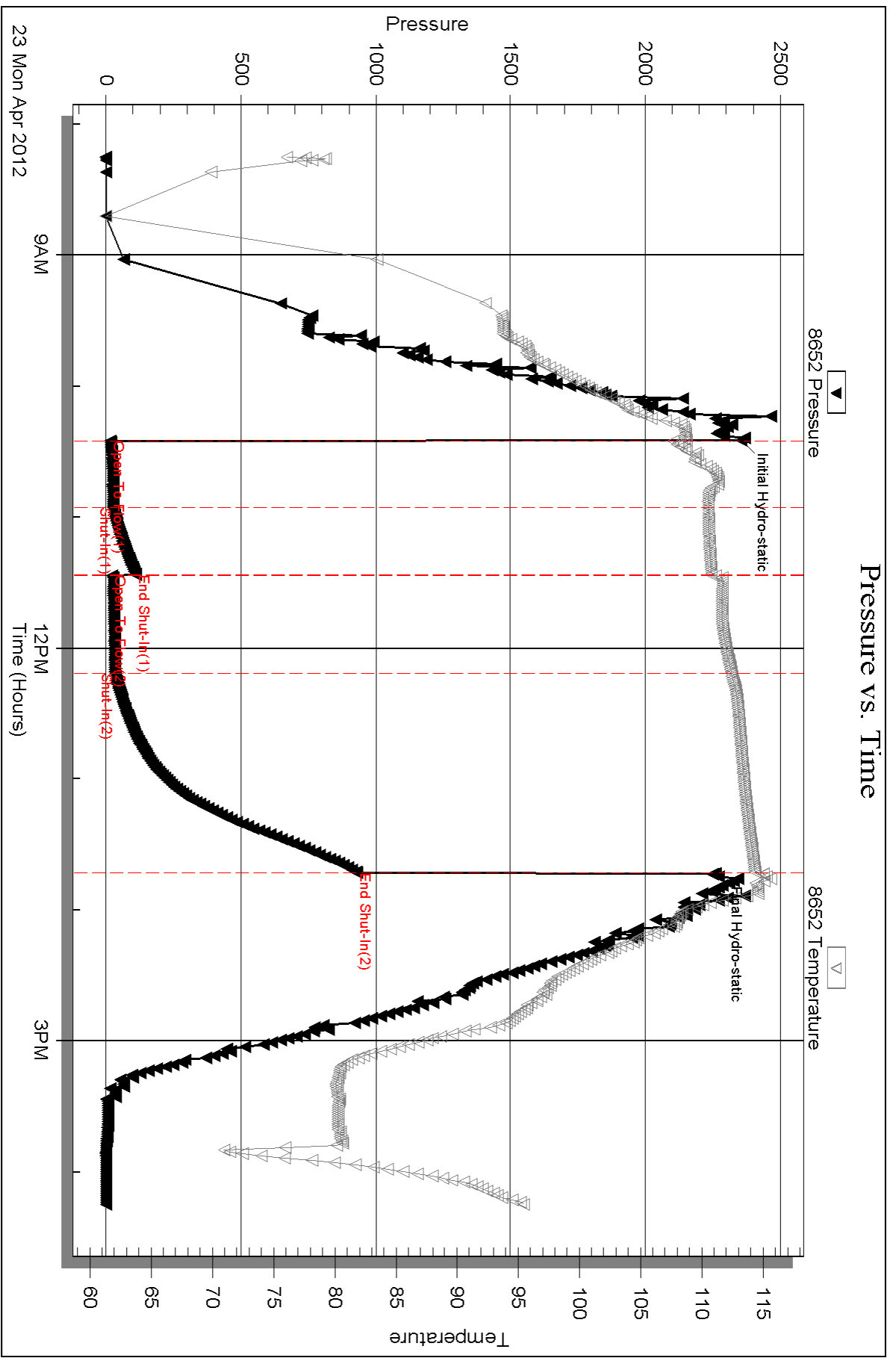
Serial #: 8652

Inside

Shakespeare Oil Co, Inc

Janzen 1-15

DST Test Number: 6



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

May 15, 2012

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

Re: ACO1  
API 15-171-20861-00-00  
Janzen 1-15  
NW/4 Sec.15-16S-34W  
Scott 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