



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1202462  
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: \_\_\_\_\_

1202462

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

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

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

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

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 5-36
Doc ID	1202462

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 5-36
Doc ID	1202462

Tops

Name	Top	Datum
Base Anhydrite	2452	+662
Heebner	3988	-874
Lansing	4032	-918
Muncie Creek	4214	-1100
Stark Shale	4312	-1198
Hushpuckney	4360	-1246
Pawnee	4536	-1422
L. Cherokee Shale	4616	-1502
Johnson	4662	-1548
Mississippian	4792	-1678





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 142519  
Invoice Date: Apr 10, 2014  
Page: 1

**Bill To:**

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

Customer ID	Field Ticket #	Payment Terms	
Shak	63383	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Apr 10, 2014	5/10/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #5-36		
260.00	CEMENT MATERIALS	Class A Common	17.90	4,654.00
140.00	CEMENT MATERIALS	Pozmix	9.35	1,309.00
25.00	CEMENT MATERIALS	Gel	23.40	585.00
4.00	CEMENT MATERIALS	Cottonseed Hulls	35.00	140.00
624.67	CEMENT SERVICE	Cubic Feet Charge	2.48	1,549.18
1,079.55	CEMENT SERVICE	Ton Mileage Charge	2.60	2,806.83
1.00	CEMENT SERVICE	Port Collar ✓	2,483.59	2,483.59
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Alan Ryan		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

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

\$ 3,517.02

ONLY IF PAID ON OR BEFORE  
May 5, 2014

Subtotal	14,072.10
Sales Tax	545.07
Total Invoice Amount	14,617.17
Payment/Credit Applied	
<b>TOTAL</b>	<b>14,617.17</b>

DW







PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 142490

Invoice Date: Apr 6, 2014

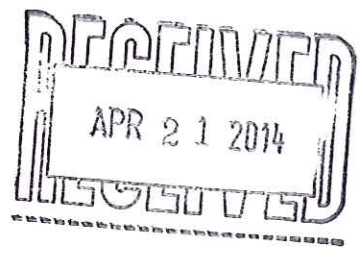
Page: 1

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

Customer ID	Field Ticket #	Payment Terms	
Shak	61336	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Apr 6, 2014	5/6/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #5-36		
3.00	CEMENT MATERIALS	Gel	23.40	70.20
140.00	CEMENT MATERIALS	ASC	20.90	2,926.00
15.00	CEMENT MATERIALS	Salt	26.35	395.25
700.00	CEMENT MATERIALS	Gilsonite	0.98	686.00
98.00	CEMENT MATERIALS	CD-31	10.30	1,009.40
12.00	CEMENT MATERIALS	WFR-II	58.70	704.40
181.53	CEMENT SERVICE	Cubic Feet Charge	2.48	450.19
354.15	CEMENT SERVICE	Ton Mileage Charge	2.60	920.79
1.00	CEMENT SERVICE	Long String ✓	2,765.75	2,765.75
45.00	CEMENT SERVICE	Heavy Vehicle Mileage	7.70	346.50
1.00	CEMENT SERVICE	Rotating Head Rental	475.00	475.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT OPERATOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		

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

\$ 2,736.94

ONLY IF PAID ON OR BEFORE

May 1, 2014

Subtotal	10,947.48
Sales Tax	471.99
Total Invoice Amount	11,419.47
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,419.47</b>

DW







PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 142228  
Invoice Date: Mar 25, 2014  
Page: 1

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

Customer ID	Field Ticket #	Payment Terms	
Shak	62055	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 25, 2014	4/24/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Janzen #5-36		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
194.64	CEMENT SERVICE	Cubic Feet Charge	2.48	482.71
399.73	CEMENT SERVICE	Ton Mileage Charge	2.60	1,039.30
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	EQUIPMENT OPERATOR	Talon Jones		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

INT



16502-5  
KWP

Subtotal	7,529.96
Sales Tax	299.61
Total Invoice Amount	7,829.57
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,829.57</b>

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

\$ 1,882.49 ✓

ONLY IF PAID ON OR BEFORE  
Apr 19, 2014

DW



# ALLIED OIL & GAS SERVICES, LLC 062055

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Dawkey les

DATE <u>3-25-14</u>	SEC. <u>36</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>1:00 am</u>	JOB FINISH <u>1:30</u>
LEASE <u>Janzon</u>	WELL # <u>5-36</u>	LOCATION <u>Pence E to Eagle Rd</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>		
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)			<u>S to T E &amp; S into</u>				

CONTRACTOR <u>H.D. #2</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>268 ft</u>
CASING SIZE <u>8 5/8</u>	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 ft.</u>	
PERFS.	
DISPLACEMENT <u>16.1161</u>	

CEMENT			
AMOUNT ORDERED	<u>180 cum</u>	<u>3 1/2 cc</u>	
	<u>2 1/2 Gel</u>		
COMMON	<u>180 cum</u>	@ <u>17.90</u>	<u>3222.00</u>
POZMIX		@	
GEL	<u>3 sks</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6 sks</u>	@ <u>64.00</u>	<u>384.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>194.64 cuft.</u>	@ <u>2.48</u>	<u>482.91</u>
MILBAGE	<u>8.88 x 45 mi</u>	@ <u>2.60</u>	<u>1038.31</u>
TOTAL			<u>5198.22</u>

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Talan Jones</u>
# <u>423/281</u>	HELPER <u>Kevin Ryan</u>
BULK TRUCK	
# <u>818/</u>	DRIVER <u>Alex (tws)</u>
BULK TRUCK	
#	DRIVER

REMARKS:  
Pumped 180 sks, 3 1/2 cc, 2 1/2 Gel @ 268 ft cement did circulate

Thank you!

CHARGE TO: Shakespeare oil.  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE			
DEPTH OF JOB			
PUMP TRUCK CHARGE	<u>1512.25</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>4.5 mi</u>	@ <u>7.20</u>	<u>346.50</u>
MANIFOLD	<u>Swedge</u>	@	<u>275.00</u>
	<u>light clubby ml</u>	@ <u>4.40</u>	<u>198.00</u>
		@	
TOTAL			<u>2331.75</u>

PLUG & FLOAT EQUIPMENT			
		@	
		@	
		@	
		@	
		@	
TOTAL			_____

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 7,329.97  
DISCOUNT 1,802.49 IF PAID IN 30 DAYS  
5,647.47 Net.

PRINTED NAME Stephen Pearce  
SIGNATURE Stephen Pearce



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**36 16s 34w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 5-36**

Job Ticket: 57626

**DST#: 1**

ATTN: Tim Priest

Test Start: 2014.04.01 @ 10:33:00

## GENERAL INFORMATION:

Formation: **Marmaton A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:10:15

Time Test Ended: 20:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

**Interval: 4447.00 ft (KB) To 4486.00 ft (KB) (TVD)**

Reference Elevations: 3143.00 ft (KB)

Total Depth: 4486.00 ft (KB) (TVD)

3133.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press @ Run Depth: 96.92 psig @ 4448.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.01

End Date:

2014.04.01

Last Calib.:

2014.04.01

Start Time: 10:33:05

End Time:

20:07:00

Time On Btm:

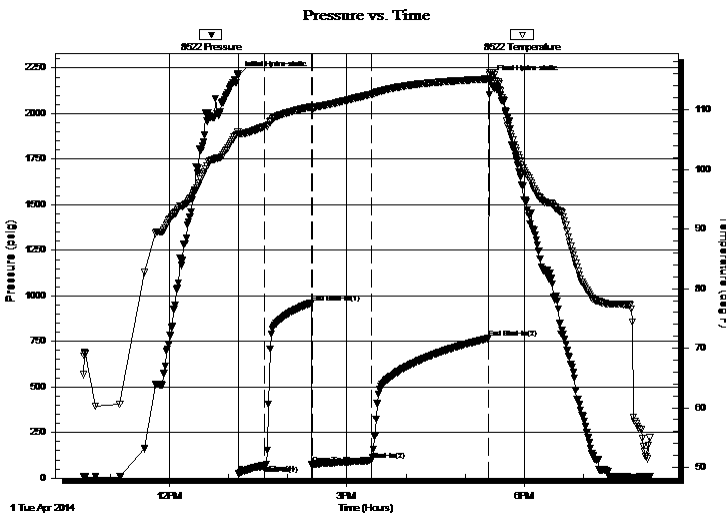
2014.04.01 @ 13:09:45

Time Off Btm:

2014.04.01 @ 17:25:15

TEST COMMENT: IF: 7" blow.  
IS: No return.  
FF: 1" blow.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.34	106.28	Initial Hydro-static
1	23.74	105.94	Open To Flow (1)
27	71.50	107.20	Shut-In(1)
75	96.27	110.50	End Shut-In(1)
75	77.00	110.25	Open To Flow (2)
136	96.92	112.60	Shut-In(2)
254	766.79	115.16	End Shut-In(2)
256	2187.08	116.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 20g 25o 55m	0.59
40.00	gmco 30g 20m 50o	0.28
60.00	go 40g 60o	0.84
0.00	90' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co, Inc.

**36 16s 34w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 5-36**

Job Ticket: 57626

**DST#: 1**

ATTN: Tim Priest

Test Start: 2014.04.01 @ 10:33:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	gocm 20g 25o 55m	0.590
40.00	gmco 30g 20m 50o	0.279
60.00	go 40g 60o	0.842
0.00	90' GIP	0.000

Total Length: 220.00 ft

Total Volume: 1.711 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

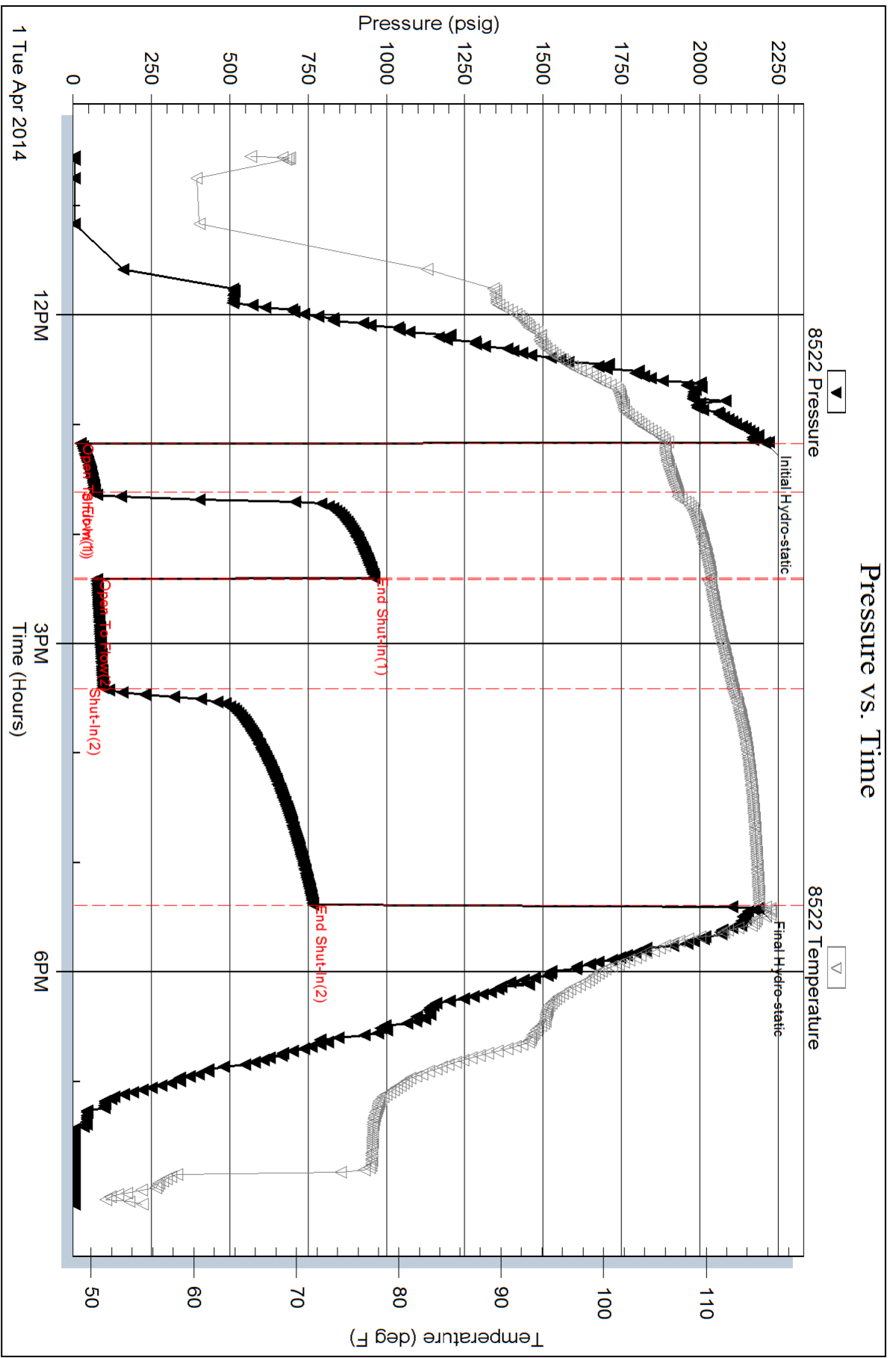
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**36 16s 34w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 5-36**

Job Ticket: 57627

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.04.02 @ 08:54:00

## GENERAL INFORMATION:

Formation: **Marmaton B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:06:45

Time Test Ended: 15:19:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4486.00 ft (KB) To 4510.00 ft (KB) (TVD)**

Reference Elevations: 3143.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

3133.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press@RunDepth: 19.55 psig @ 4487.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.02

End Date:

2014.04.02

Last Calib.:

2014.04.02

Start Time: 08:54:05

End Time:

15:18:59

Time On Btm:

2014.04.02 @ 11:06:30

Time Off Btm:

2014.04.02 @ 13:11:30

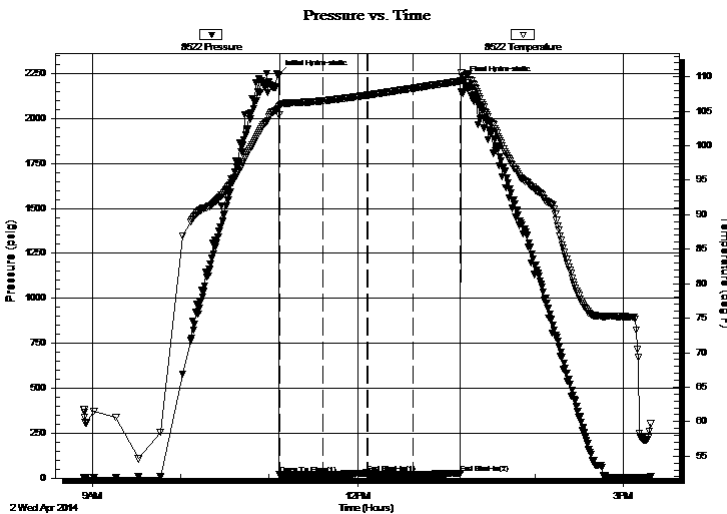
TEST COMMENT: IF: Surface blow, Died @ 17 min.

IS: No return.

FF: No blow.

FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.34	105.60	Initial Hydro-static
1	18.78	104.54	Open To Flow (1)
30	19.24	106.50	Shut-In(1)
60	28.78	107.32	End Shut-In(1)
61	17.98	107.33	Open To Flow (2)
91	19.55	108.31	Shut-In(2)
123	27.96	109.35	End Shut-In(2)
125	2209.57	109.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100m (oil spots)	0.01

## 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.

**36 16s 34w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 5-36**

Job Ticket: 57627

**DST#: 2**

ATTN: Tim Priest

Test Start: 2014.04.02 @ 08:54:00

### 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: 60.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100m (oil spots)	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

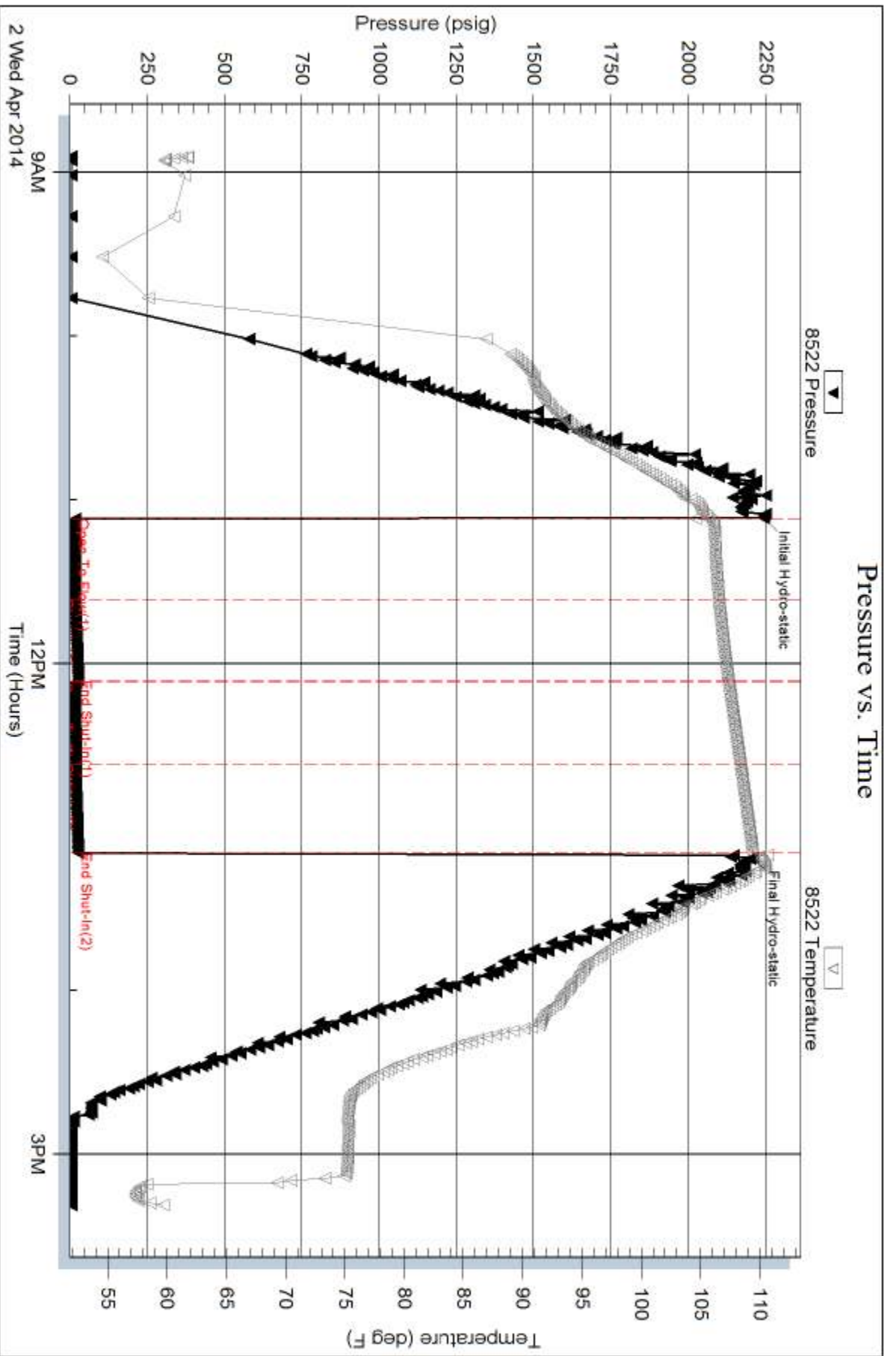
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

**36 16s 34w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 5-36**

Job Ticket: 57628

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.04.03 @ 01:17:00

## GENERAL INFORMATION:

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:34:30

Time Test Ended: 10:06:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4510.00 ft (KB) To 4543.00 ft (KB) (TVD)**

Reference Elevations: 3143.00 ft (KB)

Total Depth: 4543.00 ft (KB) (TVD)

3133.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8522 Outside**

Press@RunDepth: 42.81 psig @ 4511.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.03

End Date: 2014.04.03

Last Calib.: 2014.04.03

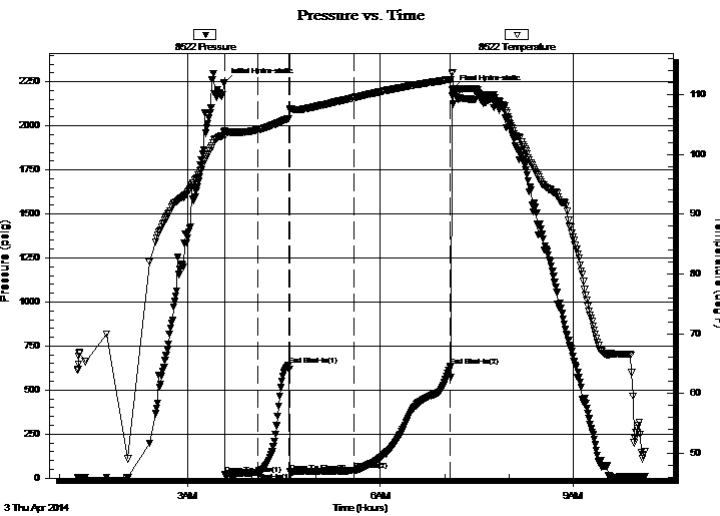
Start Time: 01:17:05

End Time: 10:06:45

Time On Btm: 2014.04.03 @ 03:34:15

Time Off Btm: 2014.04.03 @ 07:07:15

TEST COMMENT: IF: 2" blow.  
IS: No return.  
FF: 2" Blow.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.04	104.01	Initial Hydro-static
1	19.94	103.07	Open To Flow (1)
32	33.39	104.12	Shut-In(1)
61	642.50	106.03	End Shut-In(1)
61	35.50	107.45	Open To Flow (2)
121	42.81	109.48	Shut-In(2)
211	635.18	112.56	End Shut-In(2)
213	2204.23	113.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	w ocm 10w 20o 70m	0.25
0.00	130' GIP	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.

**36 16s 34w Scott, Ks**

202 W Main St.  
Salem, IL 62881

**Janzen 5-36**

Job Ticket: 57628

**DST#: 3**

ATTN: Tim Priest

Test Start: 2014.04.03 @ 01:17:00

## 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: 52.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	w ocm 10w 20o 70m	0.246
0.00	130' GIP	0.000

Total Length: 50.00 ft      Total Volume: 0.246 bbl

Num Fluid Samples: 0

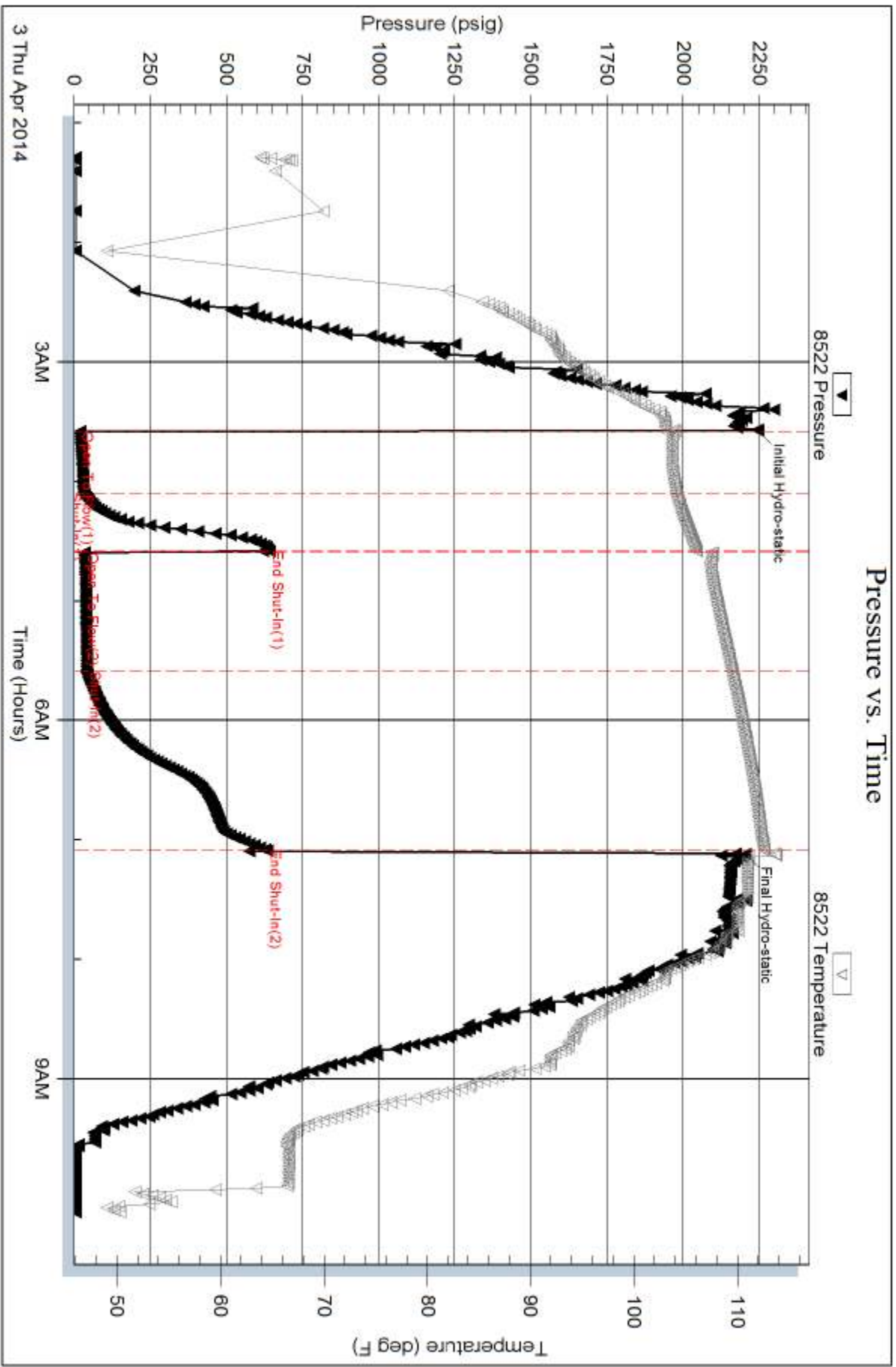
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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

COMPANY **SHAKESPEAR OIL CO.** ELEVATIONS  
 LEASE **JANZEN 5-36** KG 3114'  
 FIELD **Chadstone East** DF \_\_\_\_\_  
 LOCATION **4007 FWS, 650' FWTL** GL 3104'  
 SEC **36** TMSWP **16S** ROE **34W**  
 COUNTY **Scott** STATE **Kansas** Measurements Are All From **KB**

CONTRACTOR **HD Rig #2** 4-5-14  
 SPUD **3-24-14** COMP \_\_\_\_\_  
 RTD **4866'** LTD **4866'** CASING CONDUCTION **N/A**  
 MUD UP **3500'** TYPE MUD **Chemical** SURFACE **8-5/8" @ 264'**  
 SAMPLES SAVED FROM **3800'** to RTD PRODUCTION **5 1/2" @ 4866'**  
 DRILLING TIME KEPT FROM **3800'** to RTD  
 SAMPLES EXAMINED FROM **3800'** to RTD  
 GEOLOGICAL SUPERVISION FROM **3950'** to RTD  
 GEOLOGIST ON WELL **Tim Priest** Micro Sonic  
 By: **Weatherford**

FORMATION TOPS ELECTRIC LOG SAMPLE  
 Anyvrite 2432 (-682) 2436 (-678)  
 Heebner Shale 3988 (-874) 3989 (-875)  
 Lansing 4034 (-920) 4034 (-920)  
 Stark 4312 (-1198) 4314 (-1200)  
 BKC 4407 (-1293) 4407 (-1293)  
 Fort Scott 4588 (-1474) 4590 (-1476)  
 Cherokee Shale 4616 (-1502) 4618 (-1504)  
 Mississippian 4792 (-1678) 4793 (-1679)

REMARKS Due to the results of DSTs and elog calculations, it was decided to set production casing to further test the well.

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-171-21042-00-00

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