



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1099944  
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: \_\_\_\_\_



1099944

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-26
Doc ID	1099944

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Janzen 1-26
Doc ID	1099944

Tops

Name	Top	Datum
Base Anhydrite	2450	+669
Heebner	3975	-856
Lansing	4018	-899
Muncie Creek	4203	-1084
Stark Shale	4302	-1183
Hushpuckney	4344	-1225
BKC	4394	-1275
Pawnee	4524	-1405
L. Cherokee Shale	4603	-1484
Johnson	4650	-1531
Morrow Shale	4724	-1605
Mississippian	4791	-1672

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 132966  
Invoice Date: Oct 1, 2012  
Page: 1

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



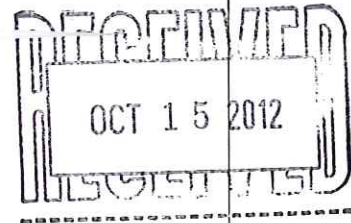
<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

*INT*

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Shak	Janzen #1-26	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 1, 2012	10/31/12

Quantity	Item	Description	Unit Price	Amount
180.00	MAT	Class A Common	17.90	3,222.00
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
194.63	SER	Cubic Feet	2.48	482.68
355.20	SER	Ton Mileage	2.60	923.52
1.00	SER	Surface	1,512.25	1,512.25
40.00	SER	Pump Truck Mileage	7.70	308.00
1.00	SER	Manifold Swedge Rental	275.00	275.00
40.00	SER	Light Vehicle Mileage	4.40	176.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Tyler Flipse		

*Cement surface  
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

**\$ 1764.87**

ONLY IF PAID ON OR BEFORE  
**Oct 26, 2012**

Subtotal	7,353.65
Sales Tax	305.12
Total Invoice Amount	7,658.77
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,658.77</b>

*DW*

# ALLIED OIL & GAS SERVICES, LLC 056326

Federal Tax I.D.# 20-5976804

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

SERVICE POINT:

*Daklog, KS*

DATE <i>10-1-12</i>	SEC. <i>26</i>	TWP. <i>16</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION <i>10:00 AM</i>	JOB START <i>11:30 AM</i>	JOB FINISH <i>12:00 PM</i>
LEASE <i>Taurus</i>	WELL # <i>1-26</i>	LOCATION <i>Penae, KS 22, 1/2 S, W 1/4</i>			COUNTY <i>500 ft</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *HO #2*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4"* T.D. *2671*

CASING SIZE *2 3/8* DEPTH *2671*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSO. *151*

PERFS.

DISPLACEMENT *16,136 bbl*

EQUIPMENT

OWNBR. *Same*

CEMENT AMOUNT ORDERED *1805 lb Con 3 @ 2000*

*289 gal*

COMMON	<i>1805 lb</i>	@	<i>17.70</i>	<i>3222.00</i>
POZMIX		@		
OBL	<i>50 KI</i>	@	<i>23.90</i>	<i>78.90</i>
CHLORIDE	<i>65 lb</i>	@	<i>64.00</i>	<i>384.00</i>
ASC		@		

PUMP TRUCK # *623/281* CEMENTER *LaRone & Wenzel*

BULK TRUCK # *540/287* HELPER *Tyler Flippe*

BULK TRUCK # DRIVER *Thomas Tames*

# DRIVER

HANDLING	<i>174.63 ft</i>	@	<i>2.40</i>	<i>482.65</i>
MILBAG	<i>228 lb</i>	@	<i>2.60</i>	<i>923.52</i>
				TOTAL <i>5022.40</i>

*355.20*

REMARKS:  
*mix 180 slk cement  
Displace with water  
Cement did circulate.*

*Thank you,*

CHARGE TO: *Shakespeare oil*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB	<i>2671</i>			
PUMP TRUCK CHARGE	<i>1312.25</i>			
EXTRA FOOTAGE	@			
MILBAG	<i>112.0</i>	@	<i>7.70</i> <i>308.00</i>	
MANIFOLD <i>swedge</i>	@		<i>225.00</i>	
<i>MFLU</i>	<i>40</i>	@	<i>4.40</i> <i>176.00</i>	
				TOTAL <i>8226.25</i>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL

SALES TAX (if Any) *305.12*

TOTAL CHARGES *7,353.65*

DISCOUNT *1764.87* IF PAID IN 30 DAYS

*2490*

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.

PRINTED NAME *Doug Roberts*

SIGNATURE *Doug Roberts*  
*CON 506*

PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 133217  
Invoice Date: Oct 18, 2012  
Page: 1



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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Shak	Janzen #1-26	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Oct 18, 2012	11/17/12

Quantity	Item	Description	Unit Price	Amount
227.00	MAT	Class A Common	17.90	4,063.30
123.00	MAT	Pozmix	9.35	1,150.05
24.00	MAT	Gel	23.40	561.60
88.00	MAT	Flo Seal	2.97	261.36
10.00	MAT	Cottonseed Hulls	35.00	350.00
628.00	SER	Cubic Feet	2.48	1,557.44
1,054.09	SER	Ton Mileage	2.60	2,740.64
1.00	SER	Port Collar	2,483.59	2,483.59
40.00	SER	Pump Truck Mileage	7.70	308.00
40.00	SER	Light Vehicle Mileage	4.40	176.00
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		

INT

RECEIVED  
OCT 29 2012

Port Collar Cement  
10502-5

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

\$ 2866.91

ONLY IF PAID ON OR BEFORE  
Nov 12, 2012

Subtotal	13,651.98
Sales Tax	530.06
Total Invoice Amount	14,182.04
Payment/Credit Applied	
<b>TOTAL</b>	<b>14,182.04</b>

DW



# ALLIED OIL & GAS SERVICES, LLC 058938

Federal Tax I.D.# 20-5976804

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

SERVICE POINT:  
Oakley

DATE <u>10-18-12</u>	SEC. <u>26</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:30 PM</u>
LEASE <u>Panken</u>	WELL # <u>126</u>	LOCATION <u>Penae. 2E-1/4S - W into</u>			COUNTY <u>Scott</u>	STATE <u>Mo.</u>	
OLD OR <u>NEW</u> (Circle one)						1.04 8.3	

CONTRACTOR Wild West  
 TYPE OF JOB Port Collar  
 HOLE SIZE \_\_\_\_\_ TD. \_\_\_\_\_  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE 2 7/8 DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL Port Collar DEPTH 2410  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSO. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 12.97

OWNER Same  
 CEMENT AMOUNT ORDBRED 550 SKS 65% 8% Gel  
1/4 Flo seal  
500 # Halls

EQUIPMENT  
 PUMP TRUCK CEMENTER Darren Facette  
 # 431 HELPER Tyler Ellipse  
 BULK TRUCK # 540-287 DRIVER Thomas Torres (TOS)  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>227 SKS</u>	@ <u>17.22</u>	<u>4063.30</u>
POZMIX	<u>123 SKS</u>	@ <u>9.35</u>	<u>1150.05</u>
GEL	<u>24 SKS</u>	@ <u>23.40</u>	<u>561.60</u>
CHLORIDE		@ _____	
ASC		@ _____	
<u>Flo seal</u>	<u>88 #</u>	@ <u>2.72</u>	<u>261.36</u>
<u>Halls</u>	<u>10 SKS</u>	@ <u>35.00</u>	<u>350.00</u>
HANDLING	<u>628.00</u>	x <u>2.48</u>	<u>1557.44</u>
MILEAGE	<u>264 x 40</u>	x <u>2.65</u>	<u>2796.00</u>
			TOTAL <u>10690.37</u>

REMARKS:  
Pressure system 1500' open port collar  
mix cement cement circulated to surface  
500 # Halls 400 # Lift pressure  
Close port collar pressure system 1500'  
Reverse Clean

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

SERVICE  
 DEPTH OF JOB 2410'  
 PUMP TRUCK CHARGE 2483.33  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 40 @ 7.70 308.00  
 MANIFOLD @ \_\_\_\_\_  
L.V mileage @ 4.40 176.00  
 TOTAL 2106.01

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.

PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

SALES TAX (if Any) 530.10  
 TOTAL CHARGES 13657.98 = 13657.98  
 DISCOUNT 2868.77 IF PAID IN 30 DAYS  
2866.91  
2190





PO Box 93999  
Southlake, TX 76092

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

# INVOICE

Invoice Number: 133146

Invoice Date: Oct 15, 2012

Page: 1



INT

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

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Shak	Janzen #101 1-26	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 15, 2012	11/14/12

Quantity	Item	Description	Unit Price	Amount
4.00	MAT	Gel	23.40	93.60
225.00	MAT	ASC	20.90	4,702.50
21.00	MAT	Salt	26.35	553.35
1,125.00	MAT	Gilsonite	0.98	1,102.50
12.00	MAT	WFR-2	58.70	704.40
159.00	MAT	CD-31	10.30	1,637.70
290.02	SER	Cubic Feet	2.48	719.40
503.51	SER	Ton Mileage	2.60	1,309.15
1.00	SER	Production Casing	2,765.75	2,765.75
40.00	SER	Pump Truck Mileage	7.70	308.00
1.00	SER	Manifold & Head Rental	275.00	275.00
40.00	SER	Light Vehicle Mileage	4.40	176.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Chris Helpingstine		

Production  
Long String Cement  
10502-5



Subtotal	14,347.35
Sales Tax	729.91
Total Invoice Amount	15,077.26
Payment/Credit Applied	
<b>TOTAL</b>	<b>15,077.26</b>

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

\$ 3012.94

ONLY IF PAID ON OR BEFORE  
Nov 9, 2012

DW

# ALLIED OIL & GAS SERVICES, LLC 058789

Federal Tax I.D.# 20-6976004

SHIP TO P.O. BOX 93999  
SOUTH LAKE, TEXAS 76092

SERVICE POINT:

*Spiller, Ky*  
*10/16/12*

DATE <i>10/15/12</i>	SEC <i>26</i>	TWP. <i>16</i>	RANGE <i>34</i>	CALLER	ON LOCATION	JOB START <i>10/16/12</i>	JOB FINISH <i>2/16/13</i>
LEASE <i>Danzen</i>	WELL # <i>1-22</i>	LOCATION <i>Peace 2E 16 S Winto</i>			COUNTY <i>Scott</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *H.D. #2*

TYPE OF JOB *Regulator*

JOB SIZE *7 1/2" T.D.*

CASING SIZE *5 1/2" (540)* DEPTH *4864'*

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

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

TOOL *Port collar* DEPTH *2410'*

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

WEAS. LINE \_\_\_\_\_ SHOE JOINT *43'*

CEMENT LEFT IN CSG. *43'*

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

DISPLACEMENT \_\_\_\_\_

OWNER *Same*

COMMENT *225 SPS ASC 1072 gal  
5# Gelsolite 3/4" 170 CAD 27 gal*

COMMON \_\_\_\_\_

POZMIX \_\_\_\_\_

GEL *4* @ *23.40* = *93.60*

CHLORIDE \_\_\_\_\_

ASC *2.25* @ *212.90* = *477.80*

SALT *21* @ *26.25* = *553.25*

CEMENT *1125 #* @ *1.28* = *1440.00*

WELL # *12 898* @ *58.20* = *704.40*

CD *31* @ *10.20* = *316.20*

HANDLING *290.00 CF* @ *2.40* = *700.00*

MILBAGE *2.44* @ *12.50* = *30.50*

TOTAL *10822.60*

EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ryan*

HELPER *Wayne McElroy*

BULK TRUCK DRIVER *Chris Helms*

BULK TRUCK DRIVER \_\_\_\_\_

REMARKS:

*1 day Cementer, 1 day Helper, 1 day Driver, 1 day Bulk Truck*

*1 day 195 9R, 1 day 516 Washup, 1 day 115 BBL 16.8 w/ 1000 PSI*

*1 day 1000 PSI, 1 day 2200 PSI, 1 day 1000 PSI*

*Head*

*Franklin*  
*Alan Wayne, Chris*

CHARGE TO: *Shakespeare Oil & Gas*

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB *4864'*

PUMP TRUCK CHARGES *2765.25*

EXTRA FOOTAGE \_\_\_\_\_

MILBAGE *40* @ *2.20* = *88.00*

MANIFOLD *40* @ *4.40* = *176.00*

STRETCHER *40* @ \_\_\_\_\_ = \_\_\_\_\_

TOTAL *3184.25*

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.

PRINTED NAME *Doug Roberts*

SIGNATURE *Doug Roberts*  
*Good Job!*

SALES TAX (if Any) *729.90*

TOTAL CHARGES *14,347.35*

DISCOUNT *3012.94* IF PAID IN 30 DAYS

*2190*



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

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

**Janzen 1 26**

Job Ticket: 44445

**DST#: 1**

Test Start: 2012.10.06 @ 12:10:15

## GENERAL INFORMATION:

Formation: **B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:09:15

Time Test Ended: 18:51:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

**Interval: 4066.00 ft (KB) To 4111.00 ft (KB) (TVD)**

Reference Elevations: 3114.00 ft (KB)

Total Depth: 4111.00 ft (KB) (TVD)

3109.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6668 Inside**

Press @ Run Depth: 522.08 psig @ 4069.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.06

End Date: 2012.10.06

Last Calib.: 2012.10.06

Start Time: 12:10:15

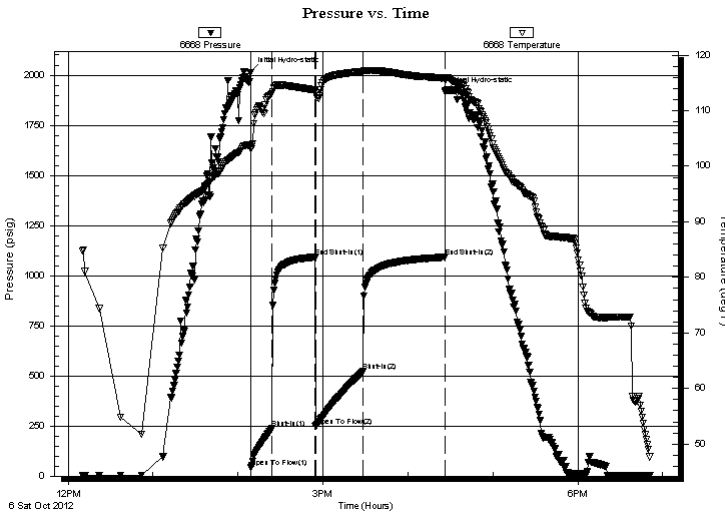
End Time: 18:51:15

Time On Btm: 2012.10.06 @ 14:09:00

Time Off Btm: 2012.10.06 @ 16:26:30

**TEST COMMENT:** IF:BOB in 4 min.  
IS:No return blow  
FF:Built to 4" blow  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2015.79	103.84	Initial Hydro-static
1	44.12	103.19	Open To Flow (1)
15	238.29	113.10	Shut-In(1)
46	1091.06	113.68	End Shut-In(1)
46	248.43	113.15	Open To Flow (2)
80	522.08	117.03	Shut-In(2)
137	1092.23	115.79	End Shut-In(2)
138	1918.84	115.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcsw 30% m 70% sw	2.97
1081.00	sw 100% sw	15.16

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL  
62881

**Janzen 1 26**

Job Ticket: 44445

**DST#: 1**

ATTN: Tim Priest

Test Start: 2012.10.06 @ 12:10:15

## 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:

30000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
310.00	mcsw 30%m 70%sw	2.973
1081.00	sw 100%sw	15.164

Total Length: 1391.00 ft      Total Volume: 18.137 bbf

Num Fluid Samples: 0

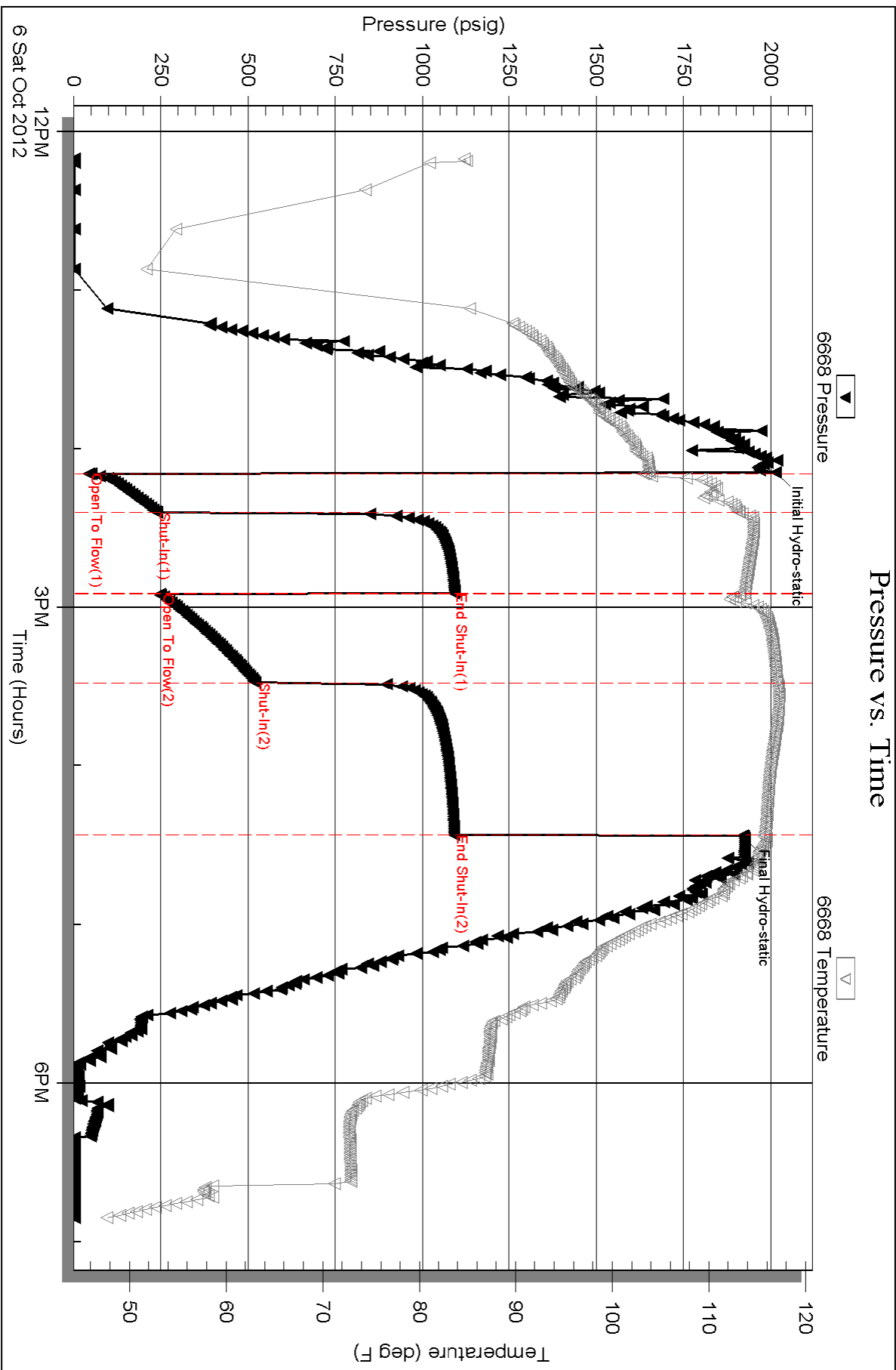
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .426@ 41.2\*= 30,000 ppm





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

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

**Janzen 1 26**

Job Ticket: 44446

**DST#: 2**

Test Start: 2012.10.07 @ 04:33:15

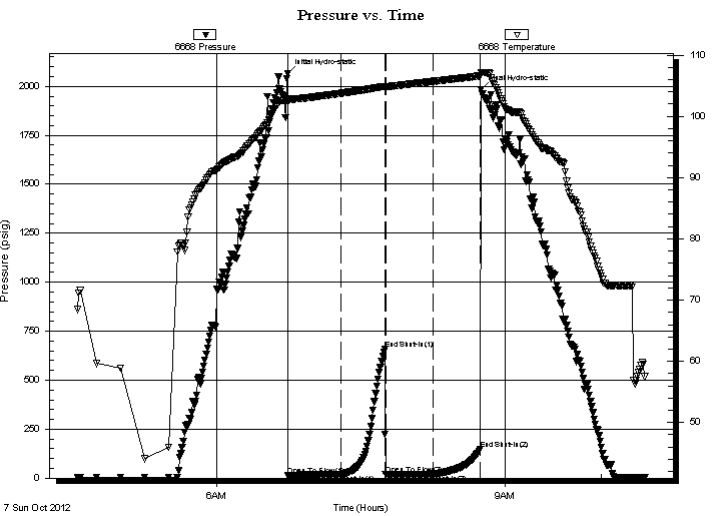
## GENERAL INFORMATION:

Formation: **E-F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:44:45  
 Time Test Ended: 10:27:45  
 Interval: **4113.00 ft (KB) To 4135.00 ft (KB) (TVD)**  
 Total Depth: 4135.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3114.00 ft (KB)  
 3109.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6668

Press @ Run Depth: 20.56 psig @ ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.07 End Date: 2012.10.07 Last Calib.: 2012.10.07  
 Start Time: 04:33:15 End Time: 10:27:45 Time On Btm: 2012.10.07 @ 06:44:30  
 Time Off Btm: 2012.10.07 @ 08:45:15

TEST COMMENT: IF: Built to 1/2" blow  
 IS: No return blow  
 FF: No blow  
 FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.58	102.94	Initial Hydro-static
1	15.45	102.46	Open To Flow (1)
34	18.41	103.78	Shut-In(1)
61	656.93	104.91	End Shut-In(1)
61	19.13	104.71	Open To Flow (2)
91	20.56	105.72	Shut-In(2)
120	148.73	106.61	End Shut-In(2)
121	1983.04	107.19	Final Hydro-static

## Recovery

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

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL  
62881

**Janzen 1 26**

Job Ticket: 44446

**DST#: 2**

ATTN: Tim Priest

Test Start: 2012.10.07 @ 04:33:15

## 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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud 100%m	0.005
1.00	oil 100% o	0.005

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

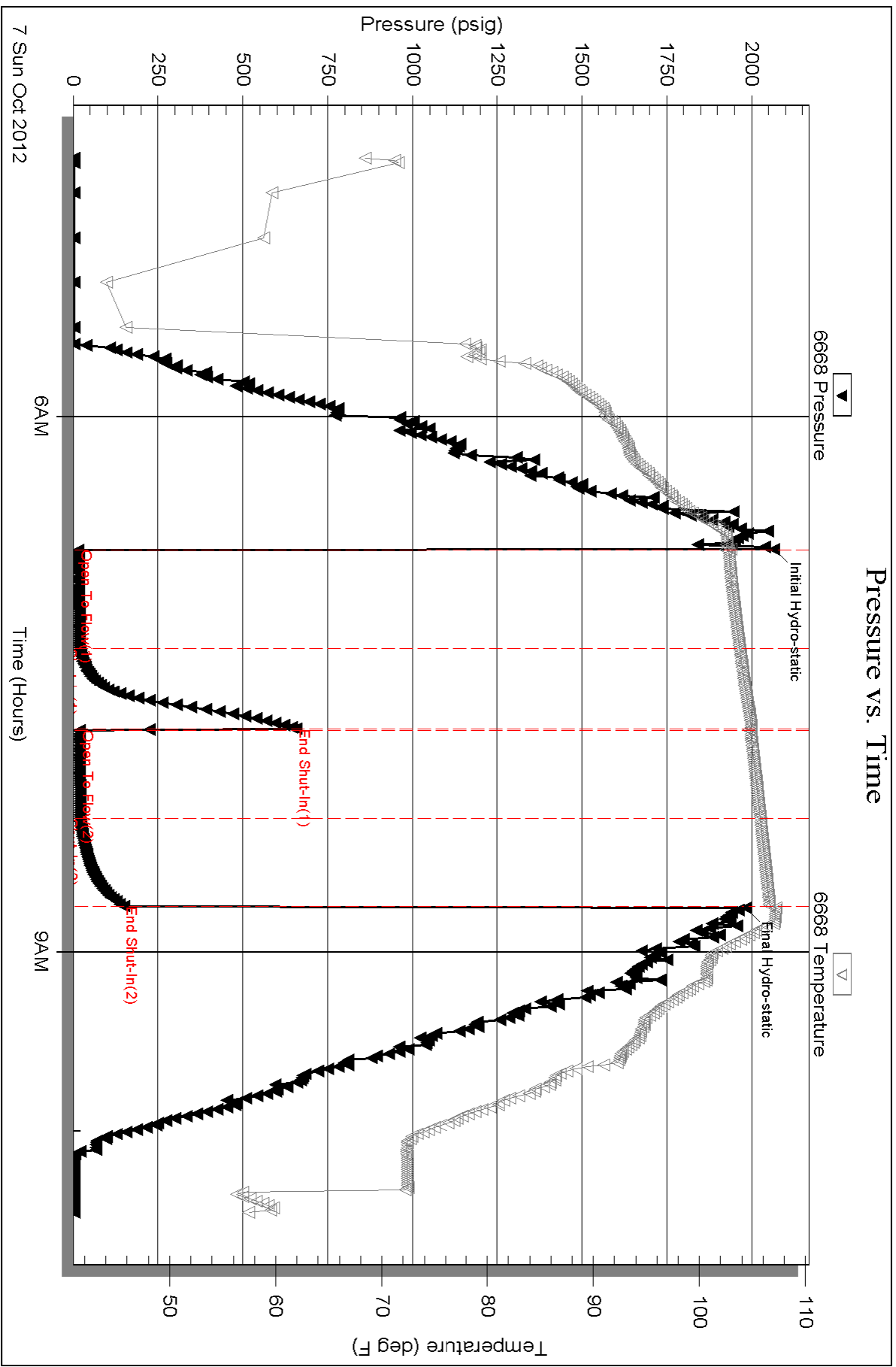
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

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

**Janzen 1 26**

Job Ticket: 44447

**DST#: 3**

Test Start: 2012.10.07 @ 00:25:15

## GENERAL INFORMATION:

Formation: **H**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:29:30  
 Time Test Ended: 07:29:15  
 Interval: **4205.00 ft (KB) To 4235.00 ft (KB) (TVD)**  
 Total Depth: 4235.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3114.00 ft (KB)  
 3109.00 ft (CF)  
 KB to GR/CF: 5.00 ft

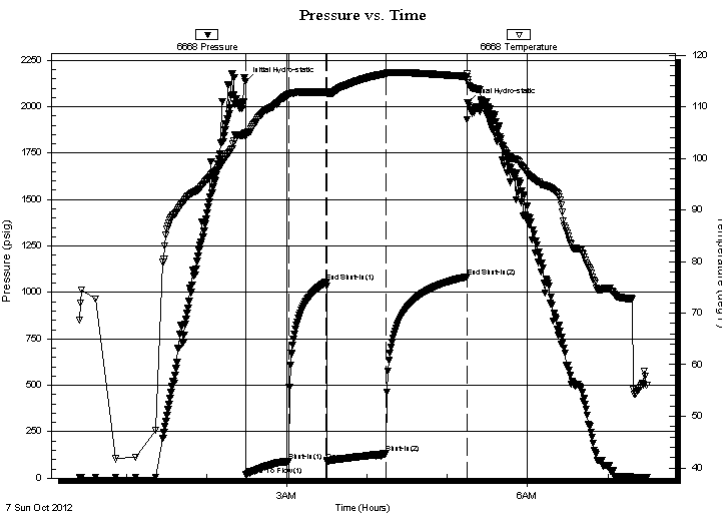
## Serial #: 6668

Inside

Press @ Run Depth: 132.22 psig @ 4208.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.07 End Date: 2012.10.07 Last Calib.: 2012.10.08  
 Start Time: 00:25:15 End Time: 07:29:15 Time On Btm: 2012.10.07 @ 02:29:15  
 Time Off Btm: 2012.10.07 @ 05:15:15

TEST COMMENT: IF: Built to 7" blow  
 IS: No return blow  
 FF: Built to 8" blow  
 FS: No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.14	104.88	Initial Hydro-static
1	17.21	104.17	Open To Flow (1)
32	89.92	112.33	Shut-In(1)
61	1055.12	112.82	End Shut-In(1)
61	92.25	112.48	Open To Flow (2)
105	132.22	116.39	Shut-In(2)
166	1084.19	115.87	End Shut-In(2)
166	2020.85	115.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
181.00	mcsw 5% m 95% sw with spots of oil	1.16

\* 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

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL  
62881

**Janzen 1 26**

Job Ticket: 44447

**DST#: 3**

ATTN: Tim Priest

Test Start: 2012.10.07 @ 00:25:15

**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:

33000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
181.00	mcsw 5% m 95% sw with spots of oil	1.163

Total Length: 181.00 ft      Total Volume: 1.163 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

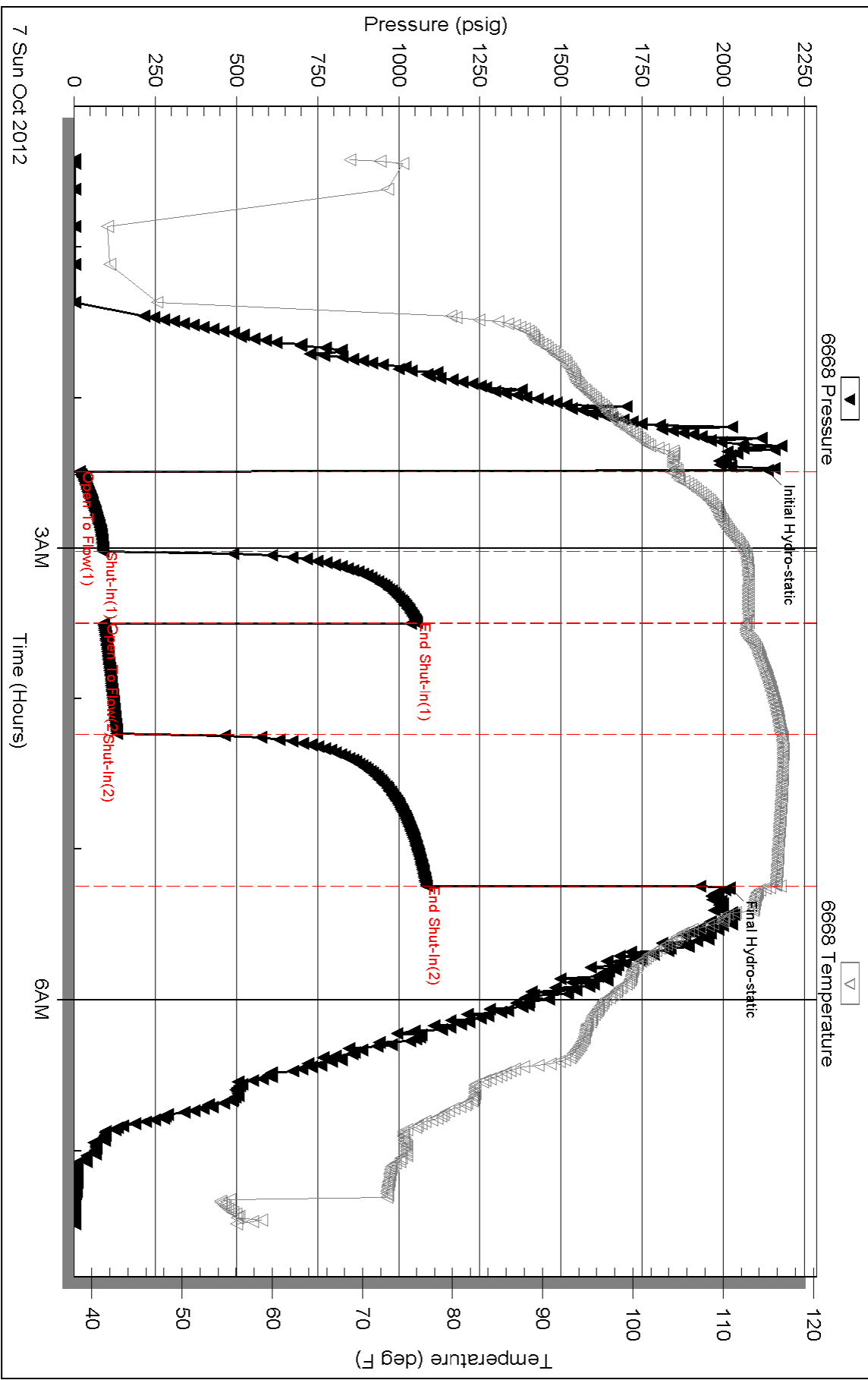
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .488@34.4\*= 33,000 ppm

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

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

**Janzen 1 26**

Job Ticket: 44448

**DST#: 4**

Test Start: 2012.10.08 @ 19:39:15

## GENERAL INFORMATION:

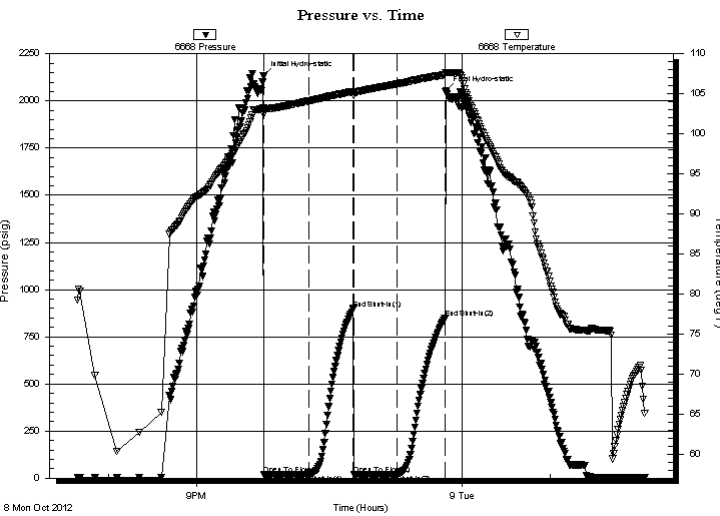
Formation: "I"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:45:30  
 Time Test Ended: 02:04:00  
 Interval: **4253.00 ft (KB) To 4279.00 ft (KB) (TVD)**  
 Total Depth: 4253.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3114.00 ft (KB)  
 3109.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6668

Inside

Press @ Run Depth: 20.69 psig @ 4278.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.08 End Date: 2012.10.09 Last Calib.: 2012.10.09  
 Start Time: 19:39:15 End Time: 02:04:00 Time On Btm: 2012.10.08 @ 21:45:15  
 Time Off Btm: 2012.10.08 @ 23:49:15

**TEST COMMENT:** IF: Built to weak surface blow and died in 15 min.  
 IS: No return blow  
 FF: Weak surface blow and died in 3 min.  
 FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.07	103.24	Initial Hydro-static
1	18.62	102.37	Open To Flow (1)
31	19.64	104.08	Shut-In(1)
61	898.95	105.25	End Shut-In(1)
62	20.12	104.75	Open To Flow (2)
91	20.69	106.21	Shut-In(2)
124	849.35	107.34	End Shut-In(2)
124	2054.76	107.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil spots	0.02

\* 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

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL  
62881

**Janzen 1 26**

Job Ticket: 44448

**DST#: 4**

ATTN: Tim Priest

Test Start: 2012.10.08 @ 19:39:15

## 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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots	0.025

Total Length: 5.00 ft      Total Volume: 0.025 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

**26-16s-34w Scott Co**

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

**Janzen 1 26**

Job Ticket: 44449

**DST#: 5**

Test Start: 2012.10.10 @ 01:42:15

## GENERAL INFORMATION:

Formation: **K**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**  
 Time Tool Opened: **04:16:15** Tester: **Mike Roberts**  
 Time Test Ended: **09:35:15** Unit No: **65**  
**Interval: 4302.00 ft (KB) To 4325.00 ft (KB) (TVD)** Reference Elevations: **3114.00 ft (KB)**  
 Total Depth: **4325.00 ft (KB) (TVD)** **3109.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

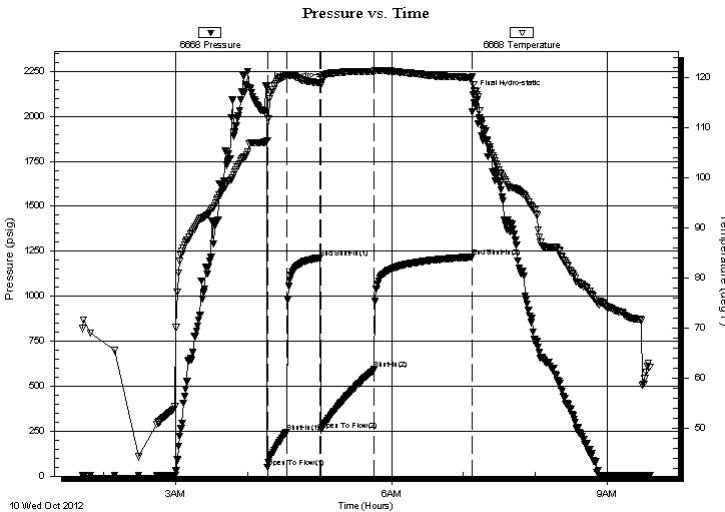
## Serial #: 6668

**Inside**

Press @ Run Depth: **592.61 psig @ 4308.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.10.10** End Date: **2012.10.10** Last Calib.: **2012.10.10**  
 Start Time: **01:42:15** End Time: **09:35:15** Time On Btm: **2012.10.10 @ 04:15:45**  
 Time Off Btm: **2012.10.10 @ 07:08:15**

TEST COMMENT: IF:BOB in 4 min.  
 IS:No return blow  
 FF:BOB in 4 min.  
 FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.55	107.19	Initial Hydro-static
1	50.97	107.37	Open To Flow (1)
17	245.07	120.28	Shut-In(1)
45	1212.40	118.81	End Shut-In(1)
45	257.62	118.40	Open To Flow (2)
90	592.61	121.19	Shut-In(2)
171	1218.31	119.92	End Shut-In(2)
173	2120.26	118.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	mcsw 30% m 70% sw	1.23
1143.00	sw 100% sw	16.03

\* 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

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL  
62881

**Janzen 1 26**

Job Ticket: 44449

**DST#: 5**

ATTN: Tim Priest

Test Start: 2012.10.10 @ 01:42:15

## 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:

35000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	mcsw 30%m 70%sw	1.234
1143.00	sw 100% sw	16.033

Total Length: 1329.00 ft      Total Volume: 17.267 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .322@55.1\*= 35,000 ppm

Serial #: 6668

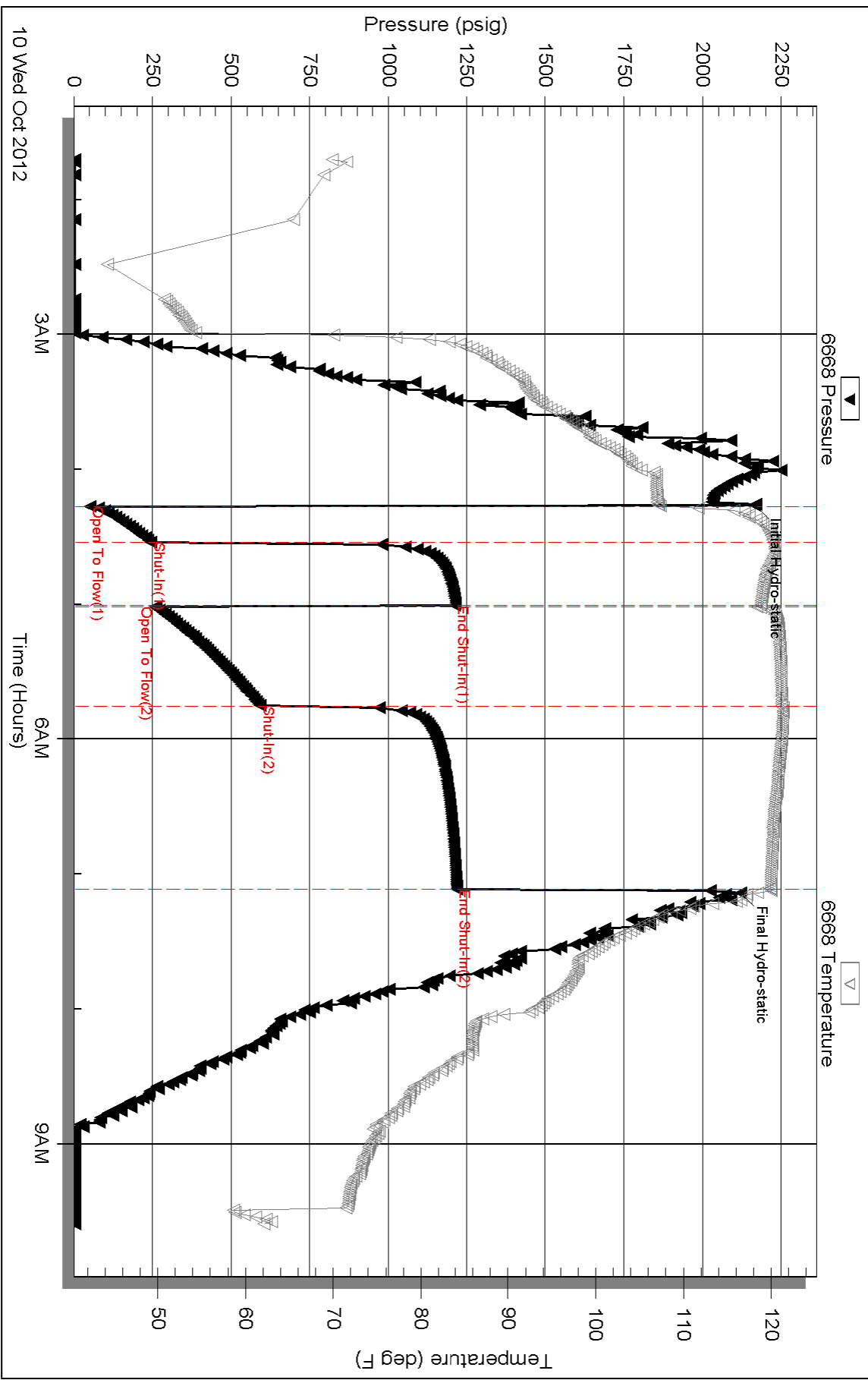
Inside

Shakespeare Oil Co. Inc

Janzen 1 26

DST Test Number: 5

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 44449

Printed: 2012.10.10 @ 10:41:45



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL 62881

**Janzen 1 26**

Job Ticket: 44450

**DST#: 6**

ATTN: Tim Priest

Test Start: 2012.10.11 @ 06:12:15

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:24:45

Time Test Ended: 14:29:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4434.00 ft (KB) To 4460.00 ft (KB) (TVD)**

Reference Elevations: 3114.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

3109.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6668**

**Inside**

Press @ Run Depth: 501.23 psig @ 4455.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.11

End Date:

2012.10.11

Last Calib.:

2012.10.11

Start Time:

06:12:15

End Time:

14:29:00

Time On Btm:

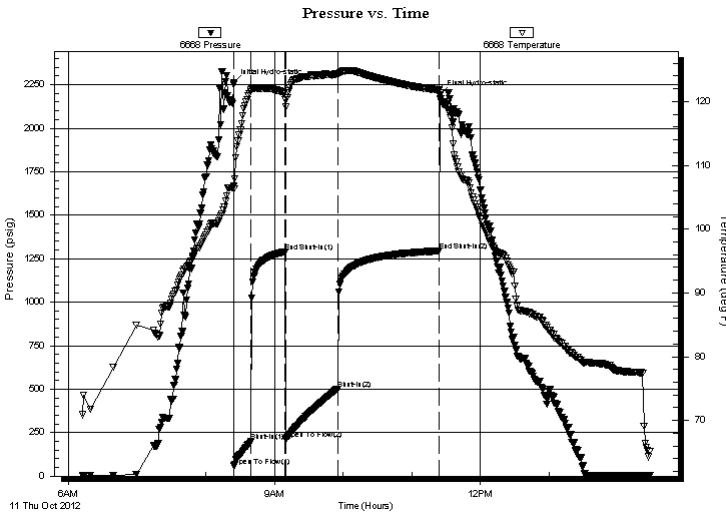
2012.10.11 @ 08:24:30

Time Off Btm:

2012.10.11 @ 11:24:45

**TEST COMMENT:** IF:BOB in 2 min.  
IS:Return blow BOB in 14 min.  
FF:BOB in 2 min.  
FS:Return blow built to 4" blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.61	106.77	Initial Hydro-static
1	58.85	106.28	Open To Flow (1)
15	199.80	121.83	Shut-In(1)
45	1289.58	121.39	End Shut-In(1)
46	210.23	120.22	Open To Flow (2)
91	501.23	124.29	Shut-In(2)
180	1294.98	121.76	End Shut-In(2)
181	2190.63	122.14	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 806 feet	0.00
211.00	gcmo 20%g 40%m 40%o	1.58
120.00	gcmo 10%g 10%m 80%o	1.68
960.00	gco 30%g 70%o	13.47

## 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

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL 62881

**Janzen 1 26**

Job Ticket: 44450

**DST#: 6**

ATTN: Tim Priest

Test Start: 2012.10.11 @ 06:12:15

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP= 806 feet	0.000
211.00	gcmo 20%g 40%m 40%o	1.584
120.00	gcmo 10%g 10%m 80%o	1.683
960.00	gco 30%g 70%o	13.466

Total Length: 1291.00 ft      Total Volume: 16.733 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 36@70 corrected to 35@60

Serial #: 6668

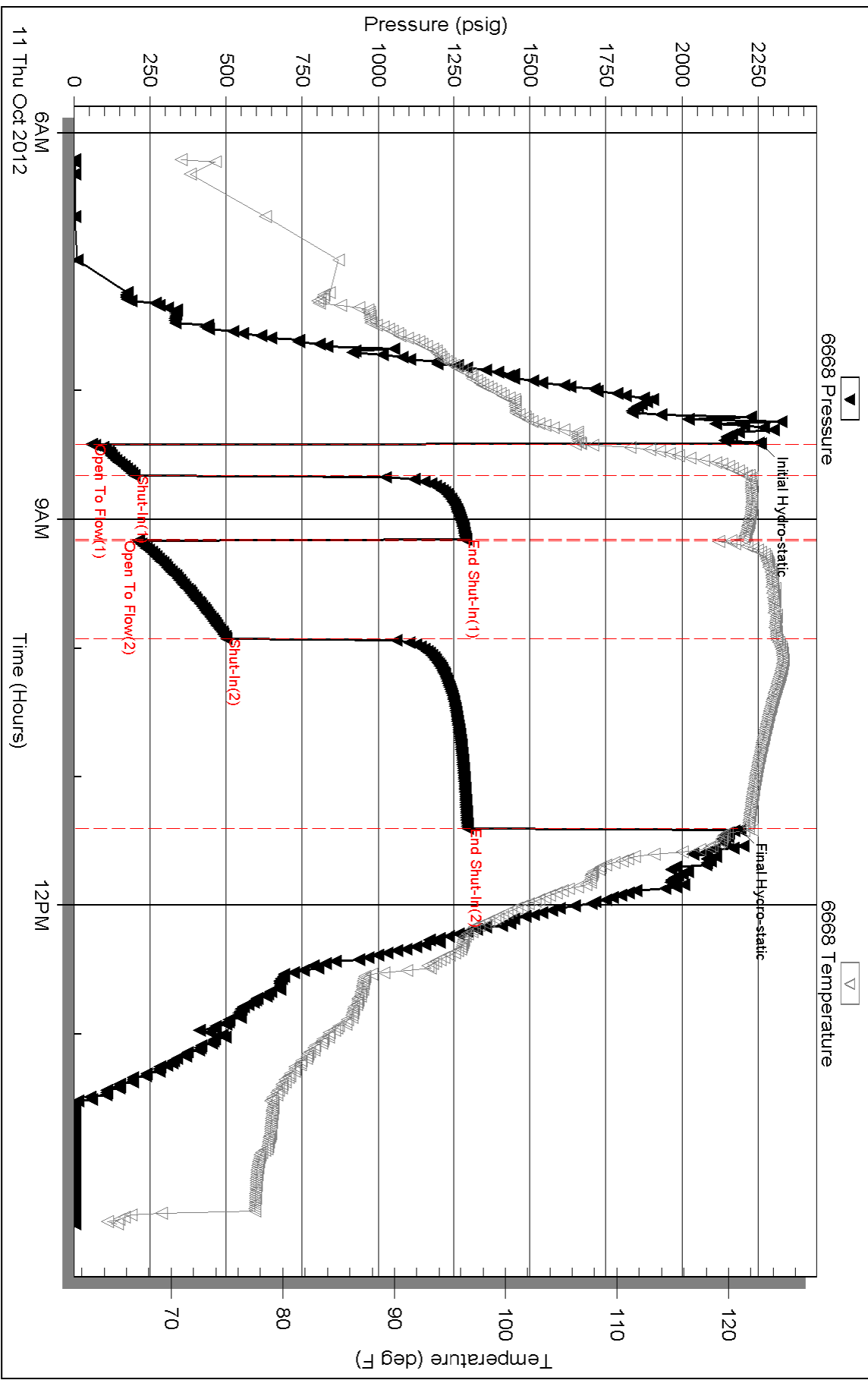
Inside

Shakespeare Oil Co. Inc

Janzen 1 26

DST Test Number: 6

# Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

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

**Janzen 1 26**

Job Ticket: 49851

**DST#: 7**

Test Start: 2012.10.12 @ 11:59:15

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:25:15

Time Test Ended: 20:14:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4468.00 ft (KB) To 4530.00 ft (KB) (TVD)**

Reference Elevations: 3114.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

3109.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6668**

**Inside**

Press @ Run Depth: 205.93 psig @ 4473.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.12

End Date:

2012.10.12

Last Calib.:

2012.10.12

Start Time:

11:59:15

End Time:

20:14:15

Time On Btm:

2012.10.12 @ 14:25:00

Time Off Btm:

2012.10.12 @ 17:26:45

## TEST COMMENT:

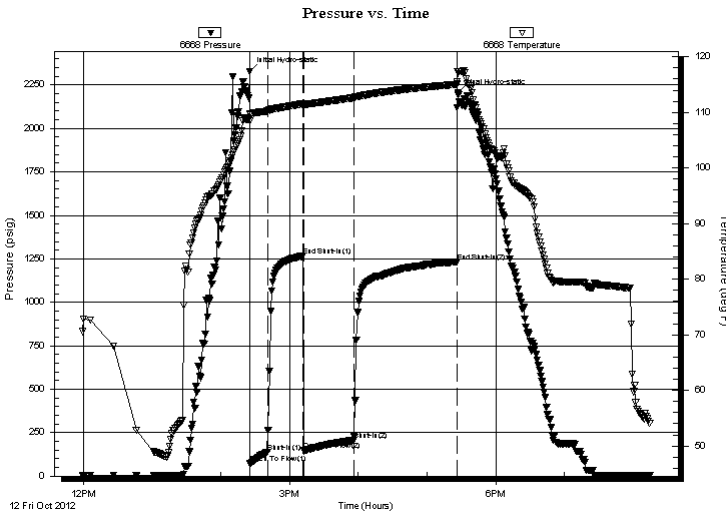
IF:BOB in 2 min.

IS:Return blow built to 4" died to 3" blow

FF:BOB in 22 min.

FS:Return blow built to 1" died to surface blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.86	109.70	Initial Hydro-static
1	71.30	108.40	Open To Flow (1)
16	137.38	110.22	Shut-In(1)
47	1266.52	111.53	End Shut-In(1)
48	146.09	111.27	Open To Flow (2)
91	205.93	112.63	Shut-In(2)
181	1231.72	115.07	End Shut-In(2)
182	2202.99	117.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
151.00	gcom 5%g 5%o 90%m	0.74
120.00	gcom 20%g 20%o 60%m	1.68
60.00	gcmo 30%g 30% m 40%o	0.84
120.00	Free oil 100% o	1.68
0.00	GIP= 300 feet	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

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL  
62881

**Janzen 1 26**

Job Ticket: 49851

**DST#: 7**

ATTN: Tim Priest

Test Start: 2012.10.12 @ 11:59:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
151.00	gcom 5%g 5%o 90%m	0.743
120.00	gcom 20%g 20%o 60%m	1.683
60.00	gcmo 30%g 30% m 40%o	0.842
120.00	Free oil 100% o	1.683
0.00	GIP= 300 feet	0.000

Total Length: 451.00 ft      Total Volume: 4.951 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 30 @50 corrected to 31 @ 60

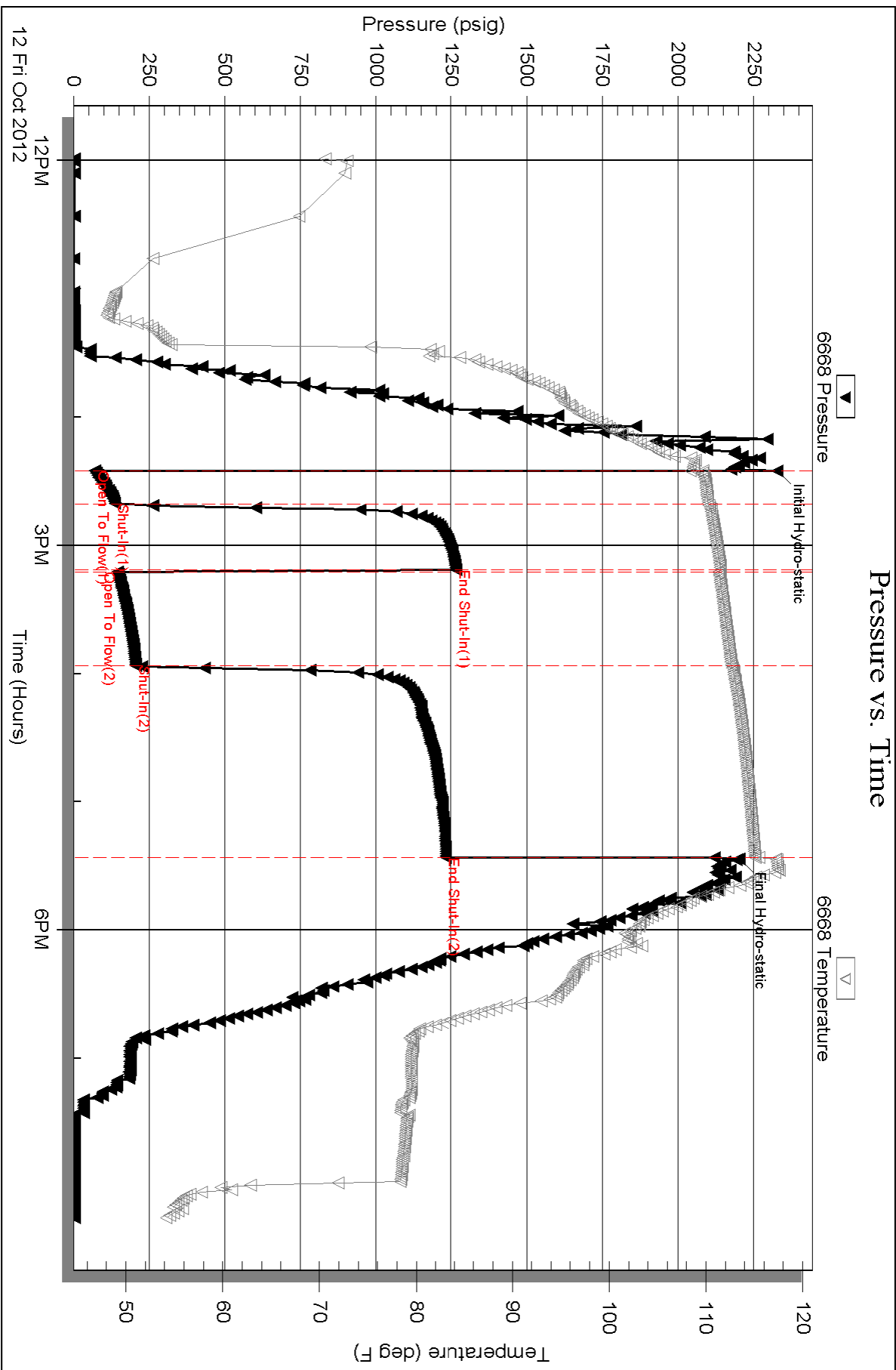
Serial #: 6668

Inside

Shakespeare Oil Co. Inc

Janzen 1 26

DST Test Number: 7



Triobite Testing, Inc

Ref. No: 49851

Printed: 2012.10.12 @ 23:22:19



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

**26-16s-34w Scott Co**

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

**Janzen 1 26**

Job Ticket: 49852

**DST#: 8**

Test Start: 2012.10.14 @ 01:38:15

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:45

Time Test Ended: 09:49:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

**Interval: 4561.00 ft (KB) To 4720.00 ft (KB) (TVD)**

Reference Elevations: 3114.00 ft (KB)

Total Depth: 4720.00 ft (KB) (TVD)

3109.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8365 Outside**

Press @ Run Depth: 212.92 psig @ 4656.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.14

End Date:

2012.10.14

Last Calib.: 2012.10.14

Start Time: 01:38:15

End Time:

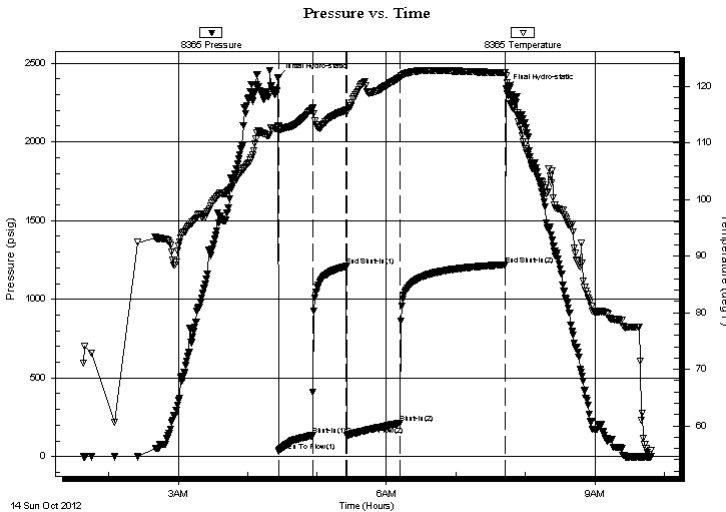
09:49:00

Time On Btm: 2012.10.14 @ 04:26:30

Time Off Btm: 2012.10.14 @ 07:43:15

**TEST COMMENT:** IF:BOB in 28 min.  
IS:No return blow  
FF:BOB in 35 min.  
FS:No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2409.19	112.96	Initial Hydro-static
1	34.65	111.97	Open To Flow (1)
30	134.62	116.07	Shut-In(1)
59	1208.91	115.79	End Shut-In(1)
60	137.05	115.34	Open To Flow (2)
105	212.92	121.54	Shut-In(2)
196	1219.53	122.40	End Shut-In(2)
197	2338.37	121.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
151.00	mcsw 30%w 70%sw	0.74
180.00	mcsw 50%w 50%sw	2.52
120.00	mud w ith oil spots	1.68

## 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

**26-16s-34w Scott Co**

202 W. Main St  
Salem IL  
62881

**Janzen 1 26**

Job Ticket: 49852

**DST#: 8**

ATTN: Tim Priest

Test Start: 2012.10.14 @ 01:38:15

## 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:

35000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
151.00	mcsw 30%m 70%sw	0.743
180.00	mcsw 50%m 50%sw	2.525
120.00	mud with oil spots	1.683

Total Length: 451.00 ft      Total Volume: 4.951 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

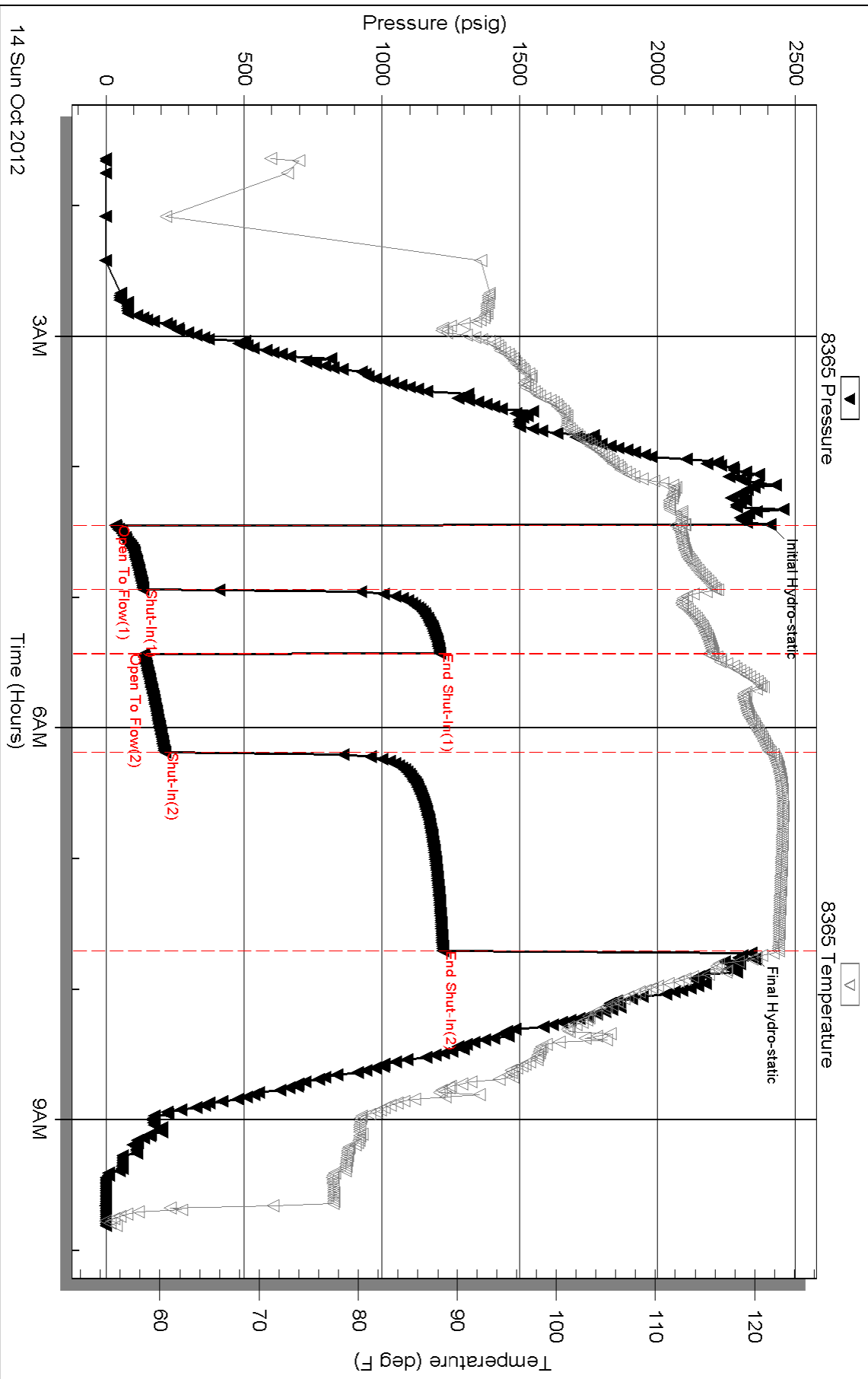
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.335 @ 54\*=35,000

# Pressure vs. Time



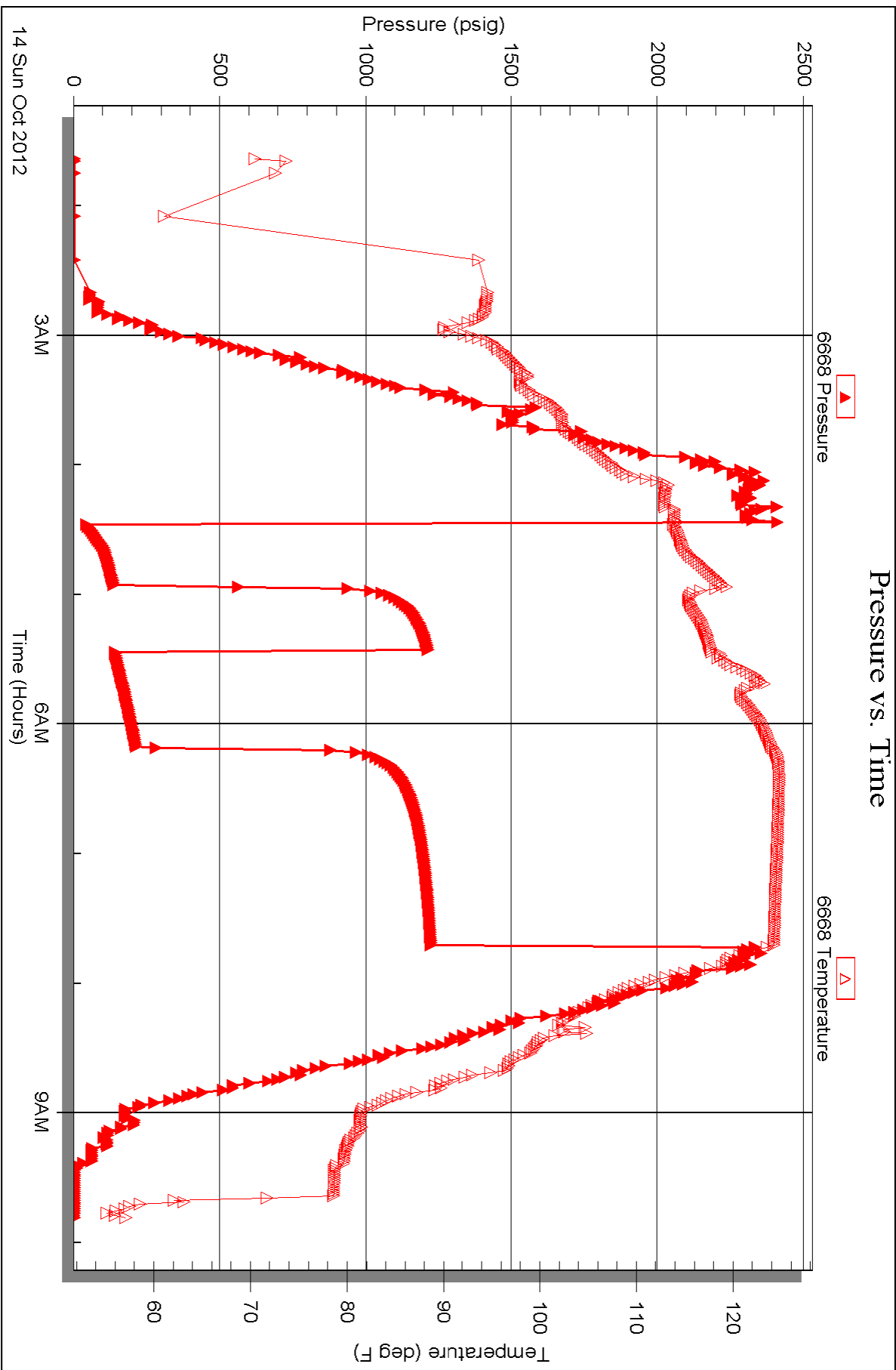
Serial #: 6668

Inside

Shakespeare Oil Co. Inc

Janzen 1 26

DST Test Number: 8



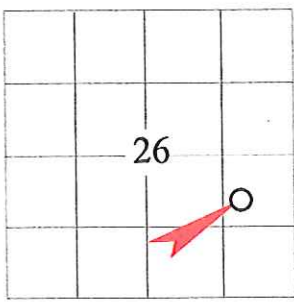


**TIM PRIEST**  
**Petroleum Geologist**  
 (316)-213-6115

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

COMPANY <u>SHAKESPEARE OIL CO.</u> LEASE <u>JANZEN 1-26</u> FIELD <u>Wildcat</u> LOCATION <u>2000' FSL, 900' FEL</u> SEC <u>26</u> TWSP <u>16S</u> RGE <u>34W</u> COUNTY <u>Scott</u> STATE <u>Kansas</u> CONTRACTOR <u>HD Rig #2</u> SPUD <u>10-1-12</u> COMP <u>10-15-12</u> RTD <u>4870'</u> LTD <u>4900'</u> MUD UP <u>3700'</u> TYPE MUD <u>Chemical</u>	<b>ELEVATIONS</b> KB <u>3119'</u> DF _____ GL <u>3109'</u> Measurements Are All From <u>KB</u>
SAMPLES SAVED FROM <u>3800'</u> to RTD DRILLING TIME KEPT FROM <u>3800'</u> to RTD SAMPLES EXAMINED FROM <u>3800'</u> to RTD GEOLOGICAL SUPERVISION FROM <u>3900'</u> to RTD GEOLOGIST ON WELL <u>Tim Priest</u>	<b>CASING</b> CONDUCTOR <u>N/A</u> SURFACE <u>8-5/8" @ 264'</u> PRODUCTION <u>5-1/2" @ 4870'</u>
	<b>ELECTRICAL SURVEYS</b> <u>CND;D/SP;P.E.</u> <u>Micro</u> By: <u>Weatherford</u>

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2430 (+689)	2436 (+683)
Heebner Shale	3975 (-856)	3979 (-860)
Lansing	4018 (-899)	4022 (-903)
Stark	4302 (-1183)	4304 (-1185)
BKC	4394 (-1275)	4394 (-1275)
Fort Scott	4577 (-1458)	4581 (-1462)
Cherokee Shale	4603 (-1484)	4607 (-1488)
	4791 (-1672)	4798 (-1679)











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

Respectfully Submitted,

Tim Priest  
 Petroleum Geologist

API #15-171-20909-00-00

LITHOLOGY	DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	SAMPLE DESCRIPTION	REMARKS
 Anhydrite  Sandstone  Limestone  Shale  Carb Sh  Cherty LS  Chert  Dolomite	50		Anhydrite 2436(+683)	Base/ Anhydrite 2455(+664)

2436(+683)

Base/ Anhydrite  
2455(+664)

Ls crm, fn xtl, fos-fn ool, chky,  
f int xtl & int frag por, NS

Ls crm, fn xtl, fos, v chky, f int  
xtl & int frag por, NS

Ls crm-tan, fn xtl, fos, p-f int  
xtl-pp por, NS

Ls crm-lt gry, fn xtl, fos, p-f int  
xtl-pp por, NS

Sh gry-blk

Ls crm-tan, fn xtl, arg in prt

Ls gry, vfn xtl, dnse

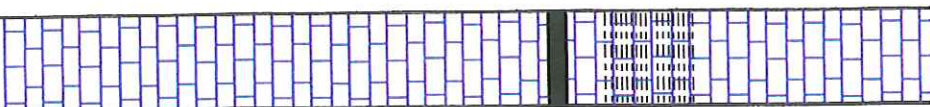
Sh gry-dk gry

50



3800

50

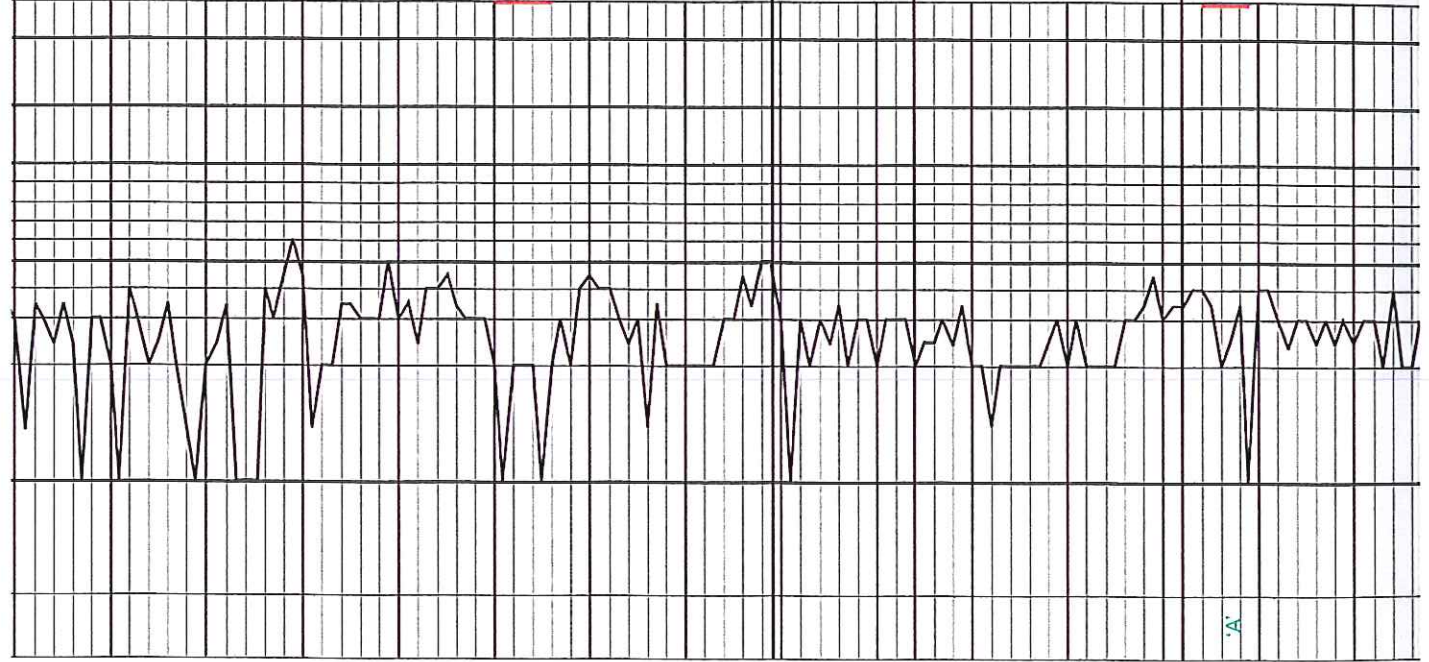
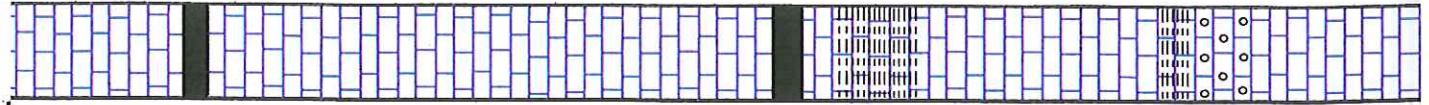




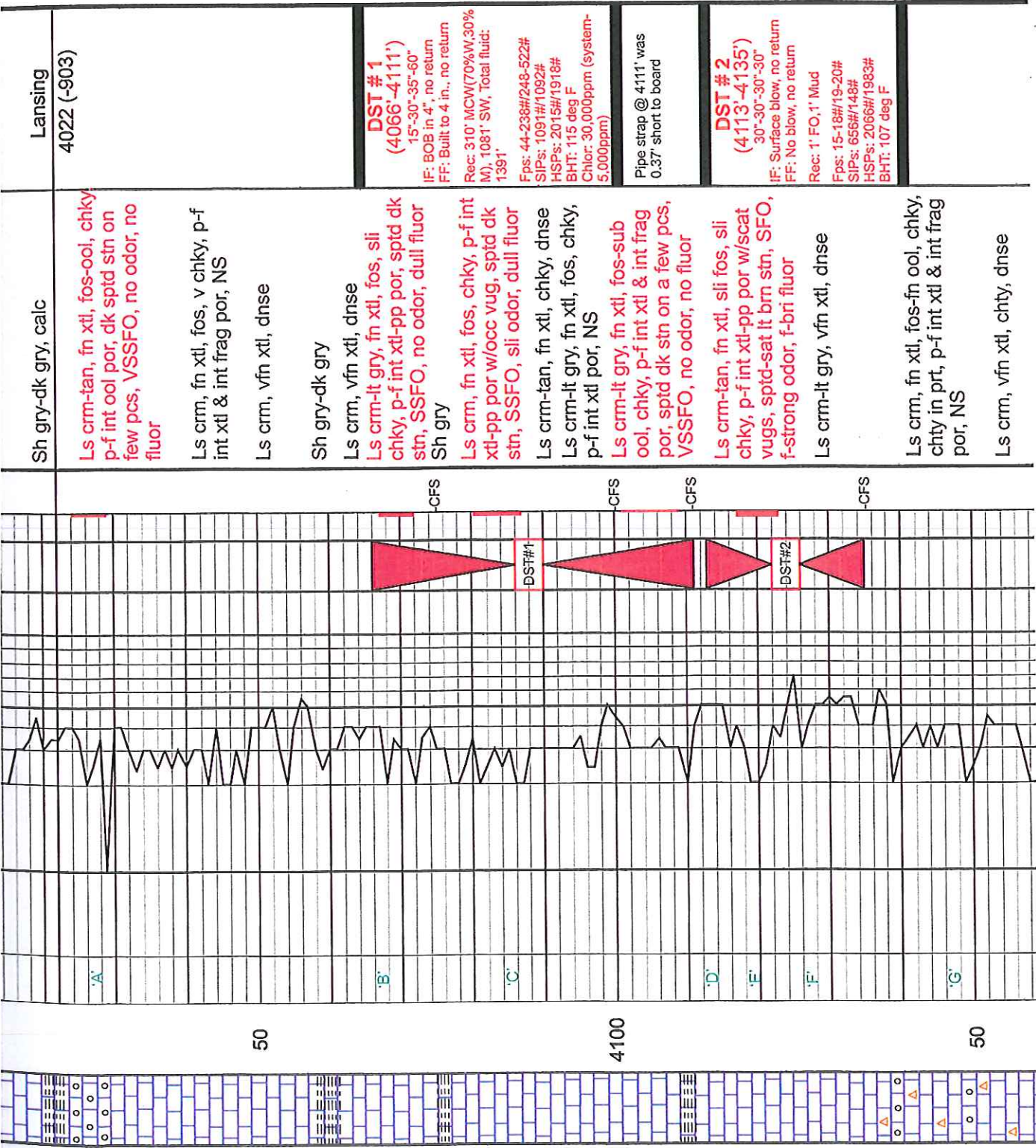
3900

50

4000



<p>Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS</p>	<p>Sh blk</p>	<p>Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS</p>	<p>Sh blk</p>	<p>Heebner 3979 (-860)</p>
<p>Sh blk</p>	<p>Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS</p>	<p>Sh gry-blk</p>	<p>Ls crm, fn xtl, fos, sli chky, f int xtl-pp por, sptd blk stn on few pcs, VSSFO, no odor, dull fluor</p>	<p>Toronto 3995 (-875)</p>
<p>Ls crm-tan, fn xtl, fos, chky, p-f int xtl-pp por, NS</p>	<p>Sh blk, carb</p>	<p>Sh gry-dk gry, calc</p>	<p>Ls crm-lt gry, fn xtl, fos, chky, f int xtl-pp por, NS</p>	<p>Lansing 4022 (-903)</p>
<p>Ls crm, fn xtl, fos, v chky, p-f int xtl &amp; int frag por, NS</p>	<p>Ls crm-tan, fn xtl, fos-ool, chky, p-f int ool por, dk sptd stn on few pcs, VSSFO, no odor, no fluor</p>			



**DST #1**  
**(4066'-4111')**  
 15'-30"-35"-60"  
 IF: BOB in 4", no return  
 FF: Built to 4 in., no return  
 Rec: 310' MCW(70%W,30% M), 1081' SW, Total fluid: 1391'  
 F'ps: 44-238#/248-522#  
 SIPs: 1091#/1092#  
 HSPs: 2015#/1918#  
 BHT: 115 deg F  
 Chlor: 30,000ppm (system-5,000ppm)

**DST #2**  
**(4113'-4135')**  
 30"-30"-30"-30"  
 IF: Surface blow, no return  
 FF: No blow, no return  
 Rec: 1' FO, 1' Mud  
 F'ps: 15-18#/19-20#  
 SIPs: 656#/148#  
 HSPs: 2066#/1983#  
 BHT: 107 deg F

Sh gry-dk gry, calc

Lansing  
 4022 (-903)

Ls crm-tan, fn xtl, fos-ool, chky, p-f int ool por, dk sptd stn on few pcs, VSSFO, no odor, no fluor

Ls crm, fn xtl, fos, v chky, p-f int xtl & int frag por, NS

Ls crm, vfn xtl, dnse

Sh gry-dk gry

Ls crm, vfn xtl, dnse

Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd dk stn, SSFO, no odor, dull fluor

Sh gry

Ls crm, fn xtl, fos, chky, p-f int xtl-pp por w/occ vug, sptd dk stn, SSFO, sli odor, dull fluor

Ls crm-tan, fn xtl, chky, dnse

Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl por, NS

Ls crm-lt gry, fn xtl, fos-sub ool, chky, p-f int xtl & int frag por, sptd dk stn on a few pcs, VSSFO, no odor, no fluor

Ls crm-tan, fn xtl, sli fos, sli chky, p-f int xtl-pp por w/scat vugs, sptd-sat lt brn stn, SFO, f-strong odor, f-bri fluor

Ls crm-lt gry, vfn xtl, dnse

Ls crm, fn xtl, fos-fn ool, chky, chty in prt, p-f int xtl & int frag por, NS

Ls crm, vfn xtl, chty, dnse

-CFS

-CFS

-CFS

-CFS

'A'

'B'

'C'

'D'

'E'

'F'

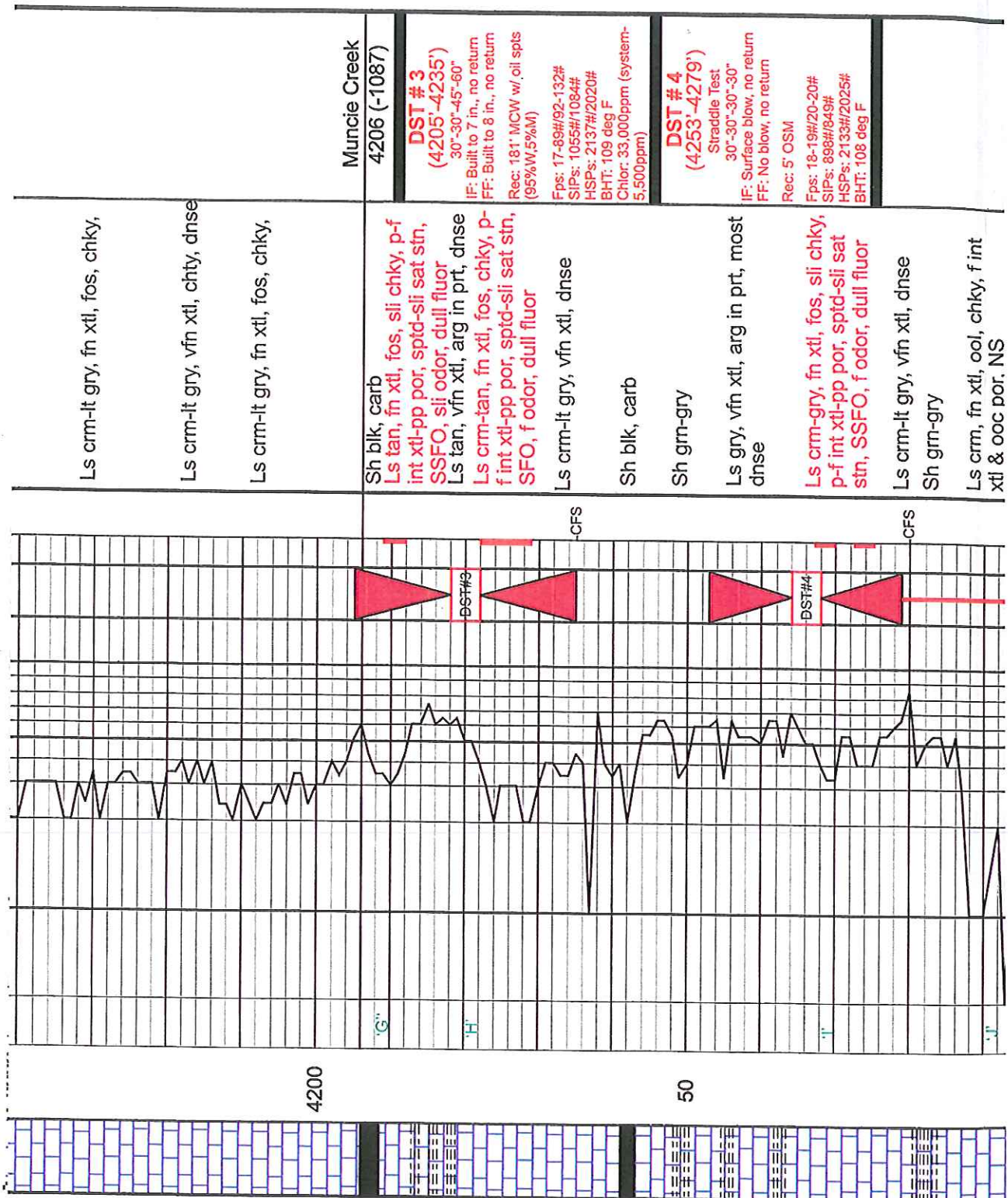
'G'

50

4100

50





**Muncie Creek  
4206 (-1087)**

**DST # 3  
(4205'-4235')**  
 30"-30"-45"-60"  
 IF: Built to 7 in., no return  
 FF: Built to 8 in., no return  
 Rec: 181' MCW w/ oil sps  
 (95%W,5%M)  
 F ps: 17-89#/92-132#  
 SIPs: 1055#/1084#  
 HSPs: 2137#/2020#  
 BHT: 109 deg F  
 Chlor: 33,000ppm (system-  
 5,500ppm)

**DST # 4  
(4253'-4279')**  
 Saddle Test  
 30"-30"-30"-30"  
 IF: Surface blow, no return  
 FF: No blow, no return  
 Rec: 5' OSM  
 F ps: 18-19#/20-20#  
 SIPs: 898#/848#  
 HSPs: 2133#/2025#  
 BHT: 108 deg F

Ls crm-lt gry, fn xtl, fos, chky,

Ls crm-lt gry, vfn xtl, chty, dnse

Ls crm-lt gry, fn xtl, fos, chky,

Sh blk, carb  
 Ls tan, fn xtl, fos, sli chky, p-f  
 int xtl-pp por, sptd-sli sat str,  
 SSFO, sli odor, dull fluor  
 Ls tan, vfn xtl, arg in prt, dnse  
 Ls crm-tan, fn xtl, fos, chky, p-  
 f int xtl-pp por, sptd-sli sat str,  
 SFO, f odor, dull fluor

Ls crm-lt gry, vfn xtl, dnse

Sh blk, carb

Sh grn-gry

Ls gry, vfn xtl, arg in prt, most  
 dnse

Ls crm-gry, fn xtl, fos, sli chky,  
 p-f int xtl-pp por, sptd-sli sat  
 str, SSFO, f odor, dull fluor

Ls crm-lt gry, vfn xtl, dnse

Sh grn-gry

Ls crm, fn xtl, ool, chky, f int  
 xtl & ooc por. NS

4200

50

'G'

'H'

'I'

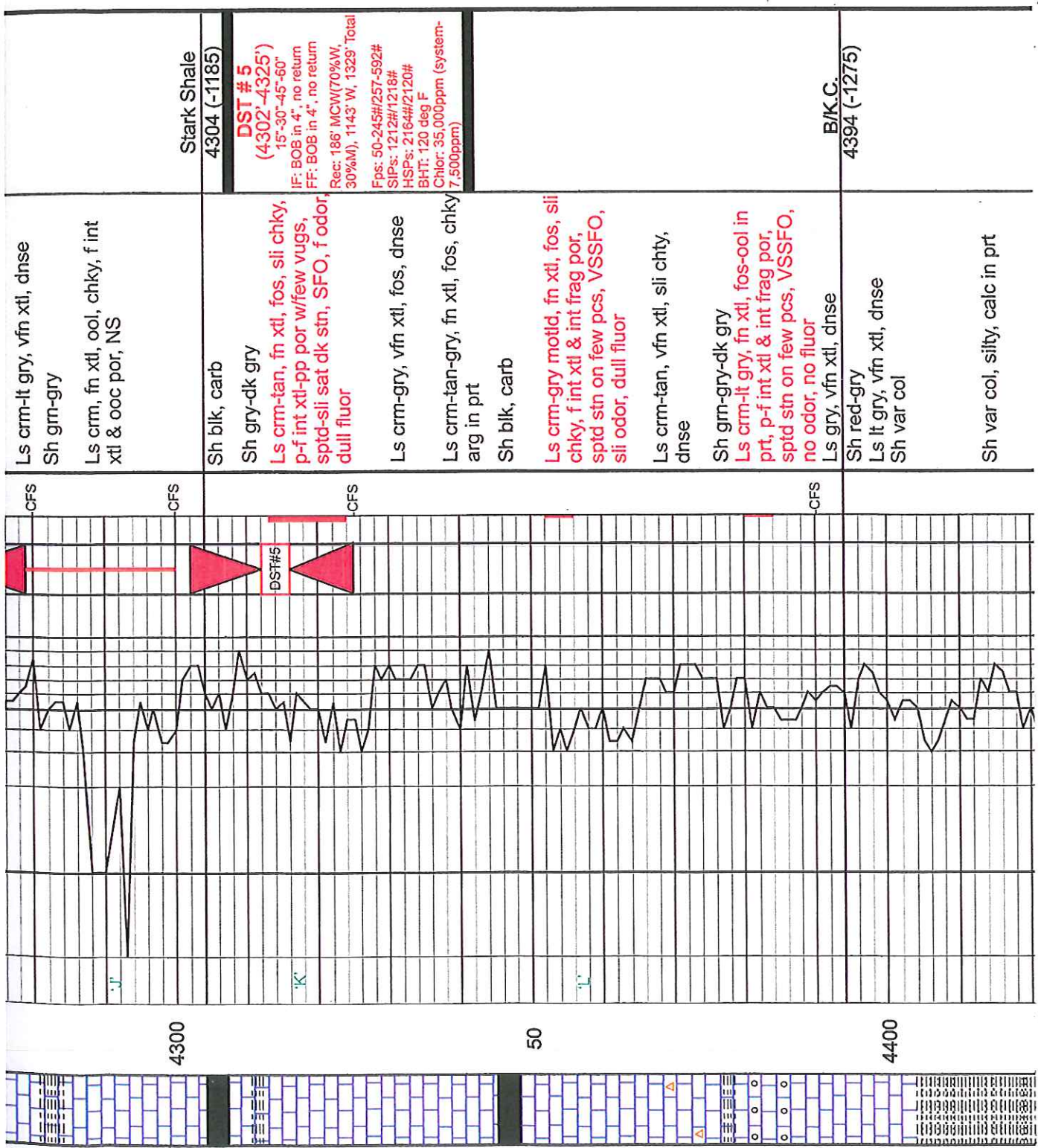
'J'

-CFS

-CFS

DST#3

DST#4



Stark Shale  
4304 (-1185)

**DST # 5**  
(4302'-4325')  
15'-30'-45'-60'  
IF: BOB in 4', no return  
FF: BOB in 4', no return  
Rec: 186' MCW(70%W, 30%AM), 1143' W, 1329' Total  
Fps: 50-245#/257-592#  
SIPs: 1212#/1218#  
HSPs: 2164#/2120#  
BHT: 120 deg F  
Chlor: 35,000ppm (system-7,500ppm)

B/K.C.  
4394 (-1275)

Ls crm-lt gry, vfn xtl, dnse  
Sh grn-gry  
Ls crm, fn xtl, ool, chky, f int  
xtl & ooc por, NS

Sh blk, carb  
Sh gry-dk gry  
Ls crm-tan, fn xtl, fos, sli chky,  
p-f int xtl-por w/few vugs,  
sptd-sli sat dk stn, SFO, f odor,  
dull fluor

Ls crm-gry, vfn xtl, fos, dnse  
Ls crm-tan-gry, fn xtl, fos, chky  
arg in prt  
Sh blk, carb

Ls crm-gry motid, fn xtl, fos, sli  
chky, f int xtl & int frag por,  
sptd stn on few pcs, VSSFO,  
sli odor, dull fluor

Ls crm-tan, vfn xtl, sli chty,  
dnse  
Sh grn-gry-dk gry  
Ls crm-lt gry, fn xtl, fos-ool in  
prt, p-f int xtl & int frag por,  
sptd stn on few pcs, VSSFO,  
no odor, no fluor

Ls gry, vfn xtl, dnse  
Sh red-gry  
Ls lt gry, vfn xtl, dnse  
Sh var col

Sh var col, silty, calc in prt

4300

50

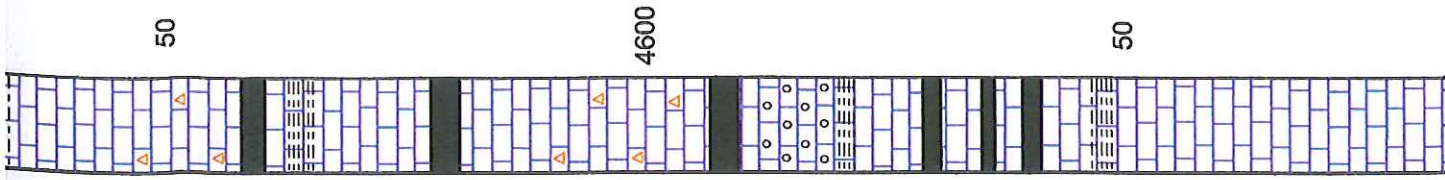
4400







<p>Ls crm-tan, fn xtl, fos, v chky, p-f int xtl-pp por, NS</p> <p>Ls crm-tan, vfn xtl, dnse</p> <p>Ls crm-lt gry, vfn xtl, chty</p> <p>Sh blk, carb</p> <p>Sh grn-gry</p>	<p>Myric Station 4566 (-1447)</p>
<p>Ls crm-tan-gry, vfn xtl, sli fos, sli chky, dnse</p> <p>Sh blk, carb</p> <p>Ls crm-tan, vfn xtl, fos, dnse</p> <p>Ls gry-brn, mic xtl, sli chty, dnse</p> <p>Ls crm-gry, vfn xtl, chty, dnse</p>	<p>Fort Scott 4581 (-1462)</p>
<p>Sh blk, carb</p> <p>Ls crm-tan-gry motld, fn xtl, ool, chky, f int ool por, NS</p> <p>Sh grn-gry</p> <p>Ls crm-lt gry, vfn xtl, dnse</p> <p>Sh blk</p> <p>Ls tan-gry, w/int bed blk Sh</p> <p>Sh blk</p> <p>Ls crm-lt gry, vfn xtl, dnse</p> <p>Sh gry-dk gry</p>	<p>Cherokee Shale 4607 (-1488)</p>
<p>Ls crm-it gry, fn xtl, fos, p pp-vug por, sptd stn on few pcs, VSSFO, v sli odor, dull fluor</p> <p>Ls tan-gry, vfn xtl, fos, dnse</p> <p>Ls crm-tan, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd-sat stn, SFO, v sli odor, dull fluor</p> <p>Ls crm-tan-gry, fn xtl, sli fos, sli chky, p int xtl-pp por, sptd-sli sat stn, VSSFO, v sli odor, dull</p>	<p>Johnson Zone 4649 (-1530)</p>

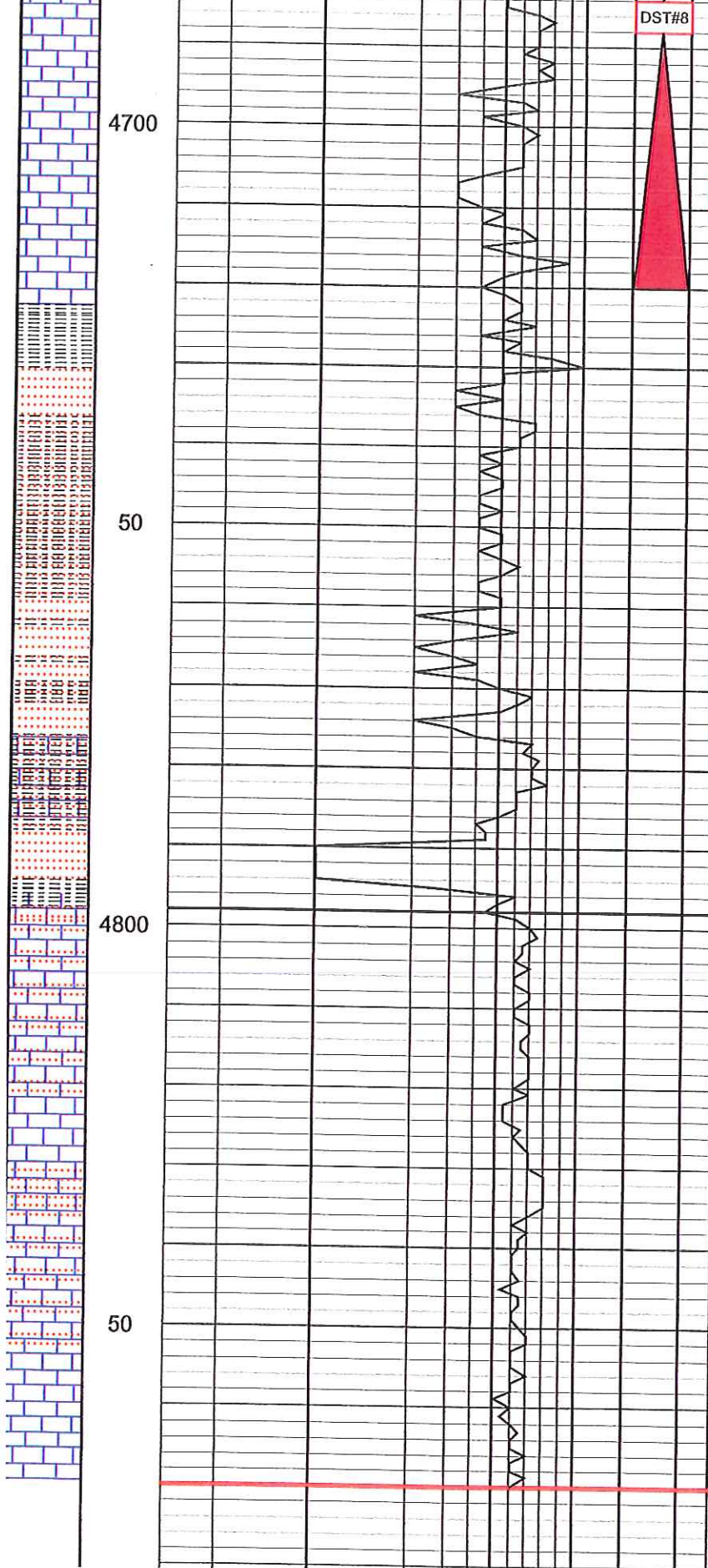


50

4600

50

**DST # 8**  
(4651'-4720')  
30°-30°-45°-90°  
IF: BOB in 28', no return  
FF: BOB in 35', no return  
Rec: 120' OSM, 180' MW



DST#8

CFS

(50%Vv,50%M), 151' MW  
 (70%W,30%M), Total: 151'  
 Fps: 34-134#/137-212#  
 SIPs: 1208#/1219#  
 HSPs: 2409#/2338#  
 BHT: 122 deg F

fluor  
 Ls gry, mic xtl, dnse  
 Ls crm-tan, fn xtl, sli chky, p-f  
 int xtl-pp por, sat stn on few  
 pcs, SSFO, f odor, dull-f fluor  
 Ls crm-tan-gry, fn xtl, sli chky,  
 p-f int xtl-pp por, sptd-sat stn,  
 SFO, f odor, dull-f fluor

Sh red-grn-gry  
 SS clear-wh, fn grn, well sort,  
 well cement, tite, NS  
 SS tan-gry, fn-med grn, tite, w/  
 gry-dk gry Sh  
 SS gry, fn-med grn, tite, w/gry-  
 dk gry Sh  
 SS clear-lt gry, fn-coarse grn,  
 well cement, w/int bed gry Sh  
 Sh var col, silty, sandy, calc in  
 prt, dnse  
 SS clear-wh milky, fn grn,  
 friable, NS  
 Sh var col, silty

Mississippian  
 4798 (-1679)

Ls tan, vfn xtl, sli sandy, dnse  
 Ls tan, vfn xtl, sli sandy, sli  
 chky dnse  
 Ls crm-lt gry, vfn xtl, dnse  
 Ls tan, vfn xtl, sli sandy, sli  
 chky dnse  
 Ls crm-lt gry, vfn xtl, sli sandy,  
 sli chky, dnse  
 Ls crm, mic xtl, dnse

Total Depth  
 4870' (-1751)

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  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 07, 2012

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

Re: ACO1  
API 15-171-20909-00-00  
Janzen 1-26  
SE/4 Sec.26-16S-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,  
Don Williams