

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1261466  
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: \_\_\_\_\_

1261466

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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Blakey 1-28
Doc ID	1261466

All Electric Logs Run

Array Induction
Photo Density
Comp Neutron
Microlog

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Blakey 1-28
Doc ID	1261466

Tops

Name	Top	Datum
Base Anhydrite	2476	+676
Heebner	4001	-849
Lansing	4046	-894
Muncie Creek	4229	-1077
Stark Shale	4330	-1178
Hushpuckney	4374	-1222
Pawnee	4546	-1394
L. Cherokee Shale	4624	-1472
Johnson	4672	-1520
Mississippian	4835	-1683





P.O. Box 205803  
Dallas, TX 75320-5803

Voice: (832) 482-3742  
Fax: (832) 482-3738

# INVOICE

Invoice Number: 150317  
Invoice Date: Jul 21, 2015  
Page: 1

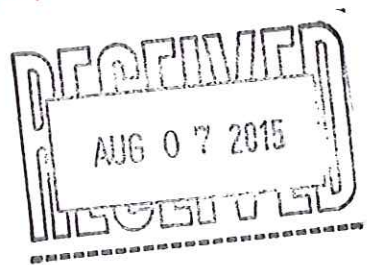
Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Shak	65581	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Jul 21, 2015	8/20/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Blakey #1-28		
185.00	CEMENT MATERIALS	Class A Common	17.90	3,311.50
348.00	CEMENT MATERIALS	Gel	0.50	174.00
522.00	CEMENT MATERIALS	Chloride	1.10	574.20
200.05	CEMENT SERVICE	Cubic Feet Charge	2.48	496.12
410.85	CEMENT SERVICE	Ton Mileage Charge	2.75	1,129.84
1.00	CEMENT SERVICE	Surface ✓	1,512.25	1,512.25
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	Wayne Davis		
1.00	EQUIPMENT OPERATOR	Brian Lang		
1.00	OPERATOR ASSISTANT	Marlyn Spangenberg		

INT



10502-5  
KW

Subtotal	7,742.41
Sales Tax	345.07
Total Invoice Amount	8,087.48
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,087.48</b>

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

\$ 2,477.57

ONLY IF PAID ON OR BEFORE

Aug 20, 2015

DW

# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

065581

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

SERVICE POINT:  
Great Bend KS

DATE 7-21-15	SEC 28	TWP 16	RANGE 34	CALLED OUT	ON LOCATION	JOB START 1200 PM	JOB FINISH 100 PM
LEASE Blakey	WELL # 1-28	LOCATION Peace west 3 south		COUNTY Scott	STATE KS		
OLD OR <u>NEW</u> (Circle one)			East into				

CONTRACTOR H-D-Rigs  
TYPE OF JOB Surface  
HOLE SIZE 12 1/4 T.D. 267  
CASING SIZE 8 5/8 DEPTH 267  
TUBING SIZE DEPTH  
DRILL PIPE DEPTH  
TOOL DEPTH  
PRES. MAX MINIMUM  
MEAS. LINE SHOE JOINT  
CEMENT LEFT IN CSG. 15  
PERFS.  
DISPLACEMENT 16 BBHS

EQUIPMENT  
PUMP TRUCK CEMENTER Wayne Davis  
# 366 HELPER B-lan haug  
BULK TRUCK  
# 871112 DRIVER Maurice  
BULK TRUCK  
# DRIVER

REMARKS:

on Job Site Had difficulty  
Meeting 2 Spot Trucks  
Rig up Buick circulation  
with Rig used. Ran 5 BBHS water  
Alced. Mix 185 SX C14SSA + 3% cc  
+ 2% Gcl Start Displacement  
with 16 BBHS. Cement did  
circulate Shut in

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

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 LEWAYNE TRESNER

SIGNATURE Lewayne Tresner

OWNER Shakespear  
CEMENT  
AMOUNT ORDERED 185 SX C14SSA  
+ 3% cc + 2% Gcl  
COMMON 185 @ 17.90 3.311.50  
POZMIX @  
GEL 348 @ .50 174.00  
CHLORIDE 522 @ 1.10 574.20  
ASC @  
TOTAL 4.059.70

DISCOUNT 32% 1.299.10

SERVICE

HANDLING 200.05 @ 2.48 496.12  
MILEAGE 9.13 X 454 2.75 1129.87  
DEPTH OF JOB \_\_\_\_\_  
PUMP TRUCK CHARGE \_\_\_\_\_ 1512.25  
EXTRA FOOTAGE @ \_\_\_\_\_  
HV MILEAGE 45 @ 7.70 346.50  
LV MILEAGE 45 @ 4.40 198.00

TOTAL 3.682.22  
DISCOUNT 32% 1.178.92

PLUG & FLOAT EQUIPMENT

@ \_\_\_\_\_  
@ \_\_\_\_\_  
@ \_\_\_\_\_  
@ \_\_\_\_\_  
@ \_\_\_\_\_  
TOTAL \_\_\_\_\_  
DISCOUNT % \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 7.742.41  
DISCOUNT 2.477.57 IF PAID IN 30 DAYS  
NET TOTAL 5.264.84 IF PAID IN 30 DAYS



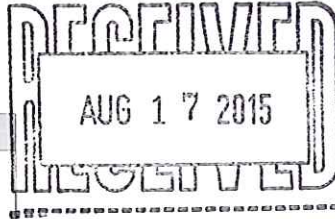
P.O. Box 205803  
Dallas, TX 75320-5803

Voice: (832) 482-3742  
Fax: (832) 482-3738

# INVOICE

Invoice Number: 150444  
Invoice Date: Aug 1, 2015  
Page: 1

Federal Tax I.D.#: 20-8651475



**Bill To:**

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

Customer ID	Field Ticket #	Payment Terms	
Shak	67829	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 1, 2015	8/31/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	<u>Blakey #1-28</u>		
280.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	5,297.60
70.00	CEMENT MATERIALS	Flo Seal	2.97	207.90
300.72	CEMENT SERVICE	Cubic Feet Charge	2.48	745.79
565.20	CEMENT SERVICE	Ton Mileage Charge	2.75	1,554.30
1.00	CEMENT SERVICE	<u>Plug to Abandon</u>	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	JOB DISCOUNT	Job Discount if paid within terms	1,761.76	-1,761.76
1.00	JOB DISCOUNT	Job Discount if paid within terms	1,705.02	-1,705.02
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Brandon Wilkinson		
1.00	OPERATOR ASSISTANT	Cory Brown		

INT

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. ONLY IF PAID ON OR BEFORE

**Aug 31, 2015**

1 1/2% CHARGED  
THEREAFTER.

Subtotal	7,366.90
Sales Tax	626.19
Total Invoice Amount	7,993.09
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,993.09</b>

DW

10562-87  
KW



# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067829

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

SERVICE POINT:

*Okky KS*

DATE <i>8-1-15</i>	SEC <i>28</i>	TWP <i>16</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION <i>5:30pm</i>	JOB START <i>1:00pm</i>	JOB FINISH <i>8:00am</i>
LEASE <i>Blsky</i>	WELL# <i>1-28</i>	LOCATION <i>Peace Chokehold</i>	<i>5 to 240</i>	COUNTY <i>Scott</i>	STATE <i>KS</i>		
OLD OR NEW (Circle one)				<i>Wto Beaver Rd, Winto</i>			

CONTRACTOR *HD #3*  
TYPE OF JOB *FTA*  
HOLE SIZE *5 7/8* T.D. *4910*  
CASING SIZE DEPTH  
TUBING SIZE DEPTH  
DRILL PIPE *4 1/2* DEPTH *2485*  
TOOL DEPTH  
PRES. MAX MINIMUM  
MEAS. LINE SHOE JOINT  
CEMENT LEFT IN CSG.  
PERFS.  
DISPLACEMENT

OWNER *@-Same*

CEMENT  
AMOUNT ORDERED *280 sks 60/40/4*  
*gel, 1/4" Flo-seal*

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<i>60/40/4 280 sks</i>	@	<i>18.92</i>	<i>5297.60</i>
<i>Flo-seal 70 #</i>	@	<i>2.97</i>	<i>207.90</i>
	@		
	@		
	@		
	@		
	@		

TOTAL *5,505.50*

DISCOUNT *32%* *1761.76*

REMARKS:

*Mix 56 sks @ 2485', Displace w/ mud*  
*Mix 80 sks @ 1500', Displace w/ water*  
*Mix 50 sks @ 700', Displace w/ water*  
*Mix 50 sks @ 500'*  
*Mix 20 sks @ 60'*  
*Mix 30 sks in R.H*

SERVICE

HANDLING <i>300.72 ft<sup>3</sup></i>	@ <i>2.48</i>	<i>745.79</i>
MILEAGE <i>12.56 tons x 45 mi x 2.75</i>		<i>1554.30</i>
DEPTH OF JOB <i>2485'</i>		
PUMP TRUCK CHARGE		<i>2483.59</i>
EXTRA FOOTAGE	@	
HV MILEAGE <i>45</i>	@ <i>7.90</i>	<i>385.00</i>
LV MILEAGE <i>45</i>	@ <i>4.40</i>	<i>200.00</i>
	@	
	@	

TOTAL *5,388.68*

DISCOUNT *32%* *1724.57*

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL

DISCOUNT %

CHARGE TO: *Shake spare*  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 *LEWIS TRENER*

SIGNATURE *Lewis Trainer*

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES *10,894.18*  
DISCOUNT *3,486.13 (32%)* IF PAID IN 30 DAYS  
NET TOTAL *7,408.04* IF PAID IN 30 DAYS



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61591

**DST#: 1**

ATTN: Tim Priest

Test Start: 2015.07.27 @ 10:02:00

## GENERAL INFORMATION:

Formation: **Kansas City 'I'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:06:30

Time Test Ended: 18:06:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

**Interval: 4276.00 ft (KB) To 4300.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4300.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 19.90 psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.27 End Date: 2015.07.27

Last Calib.: 2015.07.27

Start Time: 10:02:15 End Time: 18:06:30

Time On Btm: 2015.07.27 @ 14:06:15

Time Off Btm: 2015.07.27 @ 16:37:00

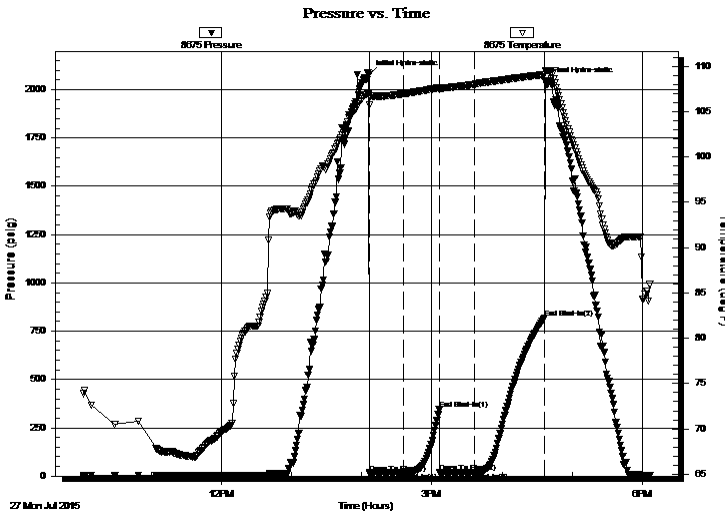
**TEST COMMENT:** Weak surface, died in 15 min.

No return blow

No blow

No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2078.88	107.11	Initial Hydro-static
1	16.19	105.72	Open To Flow (1)
30	20.29	106.96	Shut-In(1)
60	343.97	107.63	End Shut-In(1)
61	18.44	107.48	Open To Flow (2)
90	19.90	108.00	Shut-In(2)
150	818.66	109.09	End Shut-In(2)
151	2041.66	109.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61591

**DST#: 1**

ATTN: Tim Priest

Test Start: 2015.07.27 @ 10:02:00

## 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: 52.00 sec/qt

Cushion Volume:

bbf

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	100% Mud	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbf

Num Fluid Samples: 0

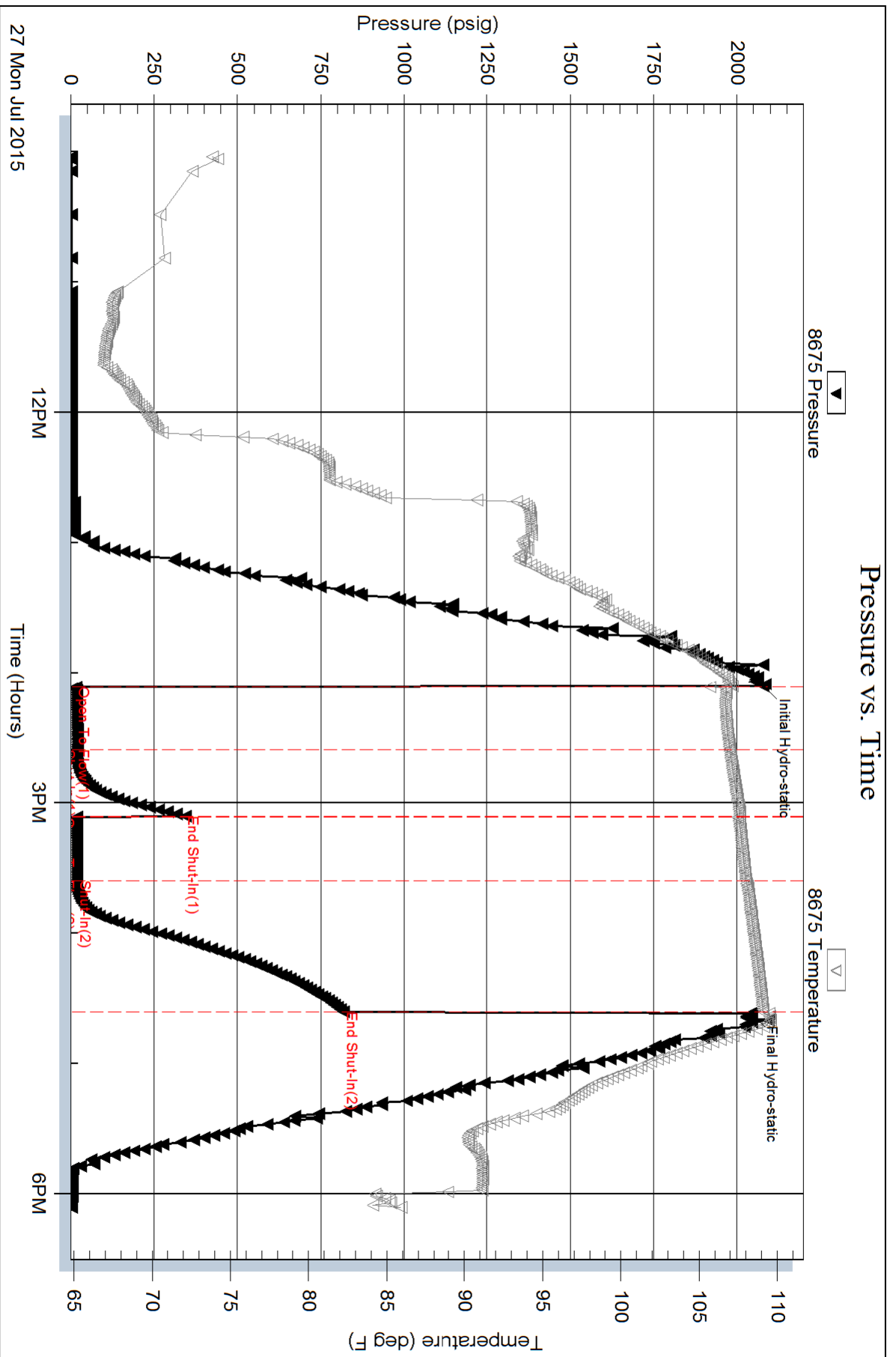
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61592

**DST#: 2**

ATTN: Tim Priest

Test Start: 2015.07.28 @ 00:25:00

## GENERAL INFORMATION:

Formation: **Kansas City 'J'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:28:45

Time Test Ended: 07:42:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

**Interval: 4296.00 ft (KB) To 4320.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4320.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8675**

**Inside**

Press@RunDepth: 427.01 psig @ 4297.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.28

End Date:

2015.07.28

Last Calib.:

2015.07.28

Start Time: 00:25:15

End Time:

07:42:15

Time On Btm:

2015.07.28 @ 02:28:30

Time Off Btm:

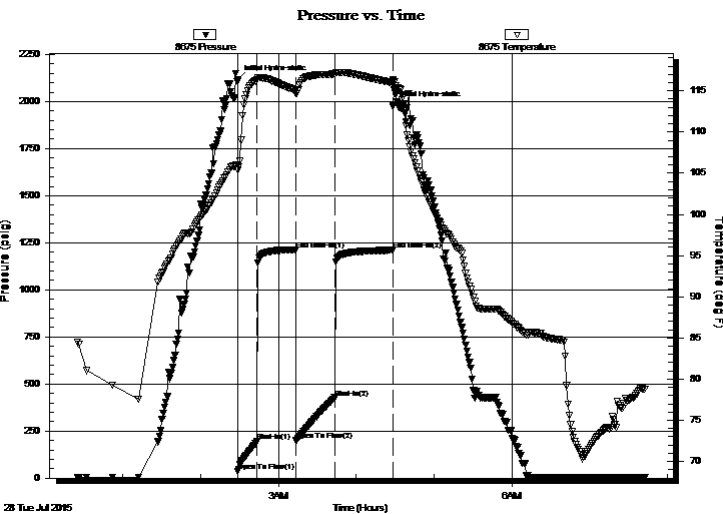
2015.07.28 @ 04:28:30

**TEST COMMENT:** B.O.B. in 5 1/2 min.

Bled off for 5 min, No return blow

B.O.B. in 6 min.

Bled off for 5 min, No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.97	106.08	Initial Hydro-static
1	35.54	105.36	Open To Flow (1)
15	194.04	116.32	Shut-In(1)
45	1214.01	115.11	End Shut-In(1)
46	199.24	114.64	Open To Flow (2)
75	427.01	117.03	Shut-In(2)
120	1211.13	116.02	End Shut-In(2)
120	1979.18	116.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
439.00	100% Water	5.03
252.00	mcw 20%M 80%W	3.53
219.00	mcw with oil scum 50%M 50%W	3.07

## 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 Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61592

**DST#: 2**

ATTN: Tim Priest

Test Start: 2015.07.28 @ 00:25:00

### 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:

30000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
439.00	100% Water	5.028
252.00	mcw 20%M 80%W	3.535
219.00	mcw with oil scum 50%M 50%W	3.072

Total Length: 910.00 ft      Total Volume: 11.635 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

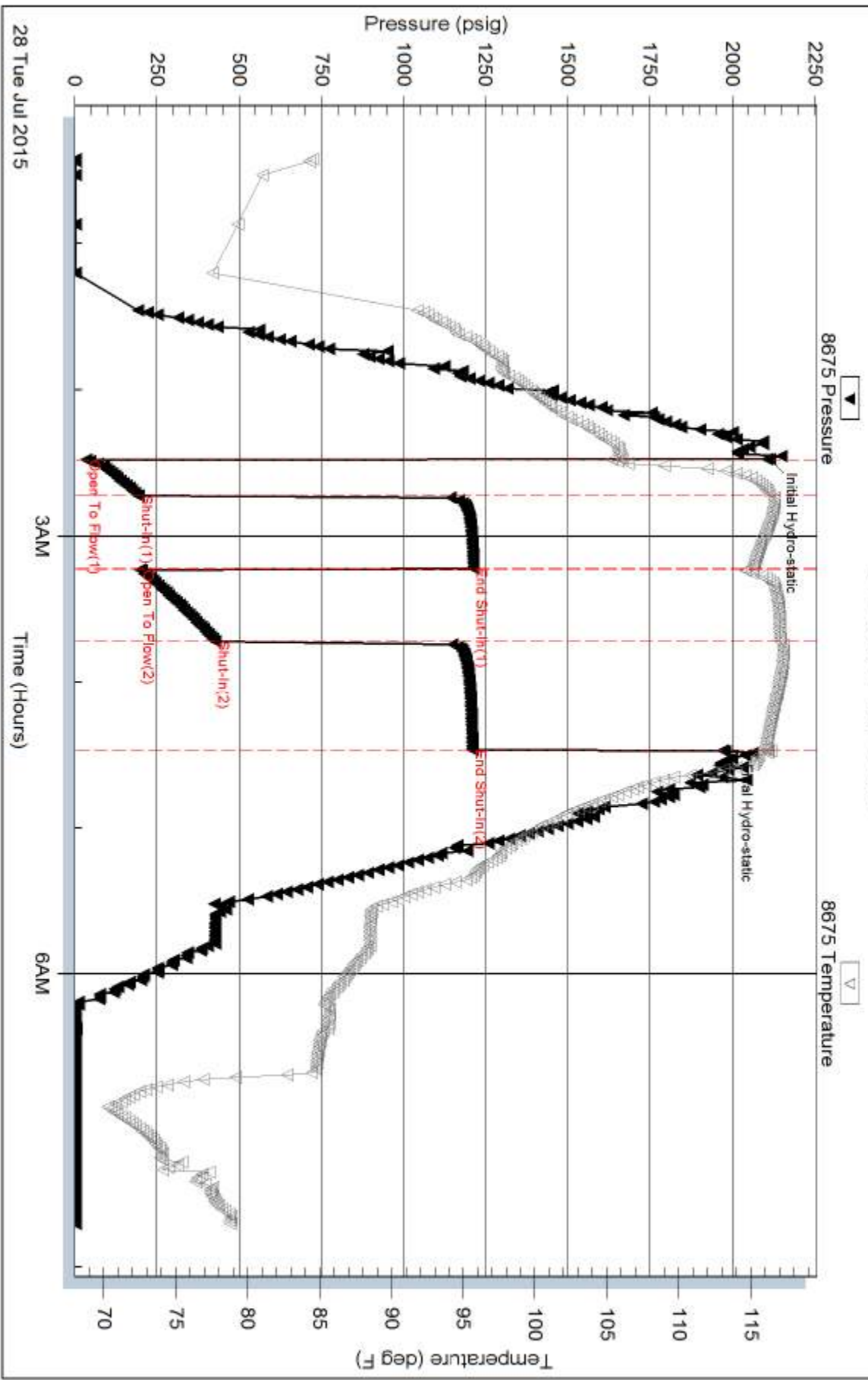
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .23 @ 70 F = 30,000

### Pressure vs. Time





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61593

**DST#: 3**

ATTN: Tim Priest

Test Start: 2015.07.29 @ 02:14:00

## GENERAL INFORMATION:

Formation: **Marmaton A&B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:21:45

Time Test Ended: 08:47:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

**Interval: 4473.00 ft (KB) To 4508.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4508.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8675**

**Inside**

Press@RunDepth: 20.45 psig @ 4474.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.29

End Date:

2015.07.29

Last Calib.:

2015.07.29

Start Time: 02:14:15

End Time:

08:47:45

Time On Btm:

2015.07.29 @ 04:21:15

Time Off Btm:

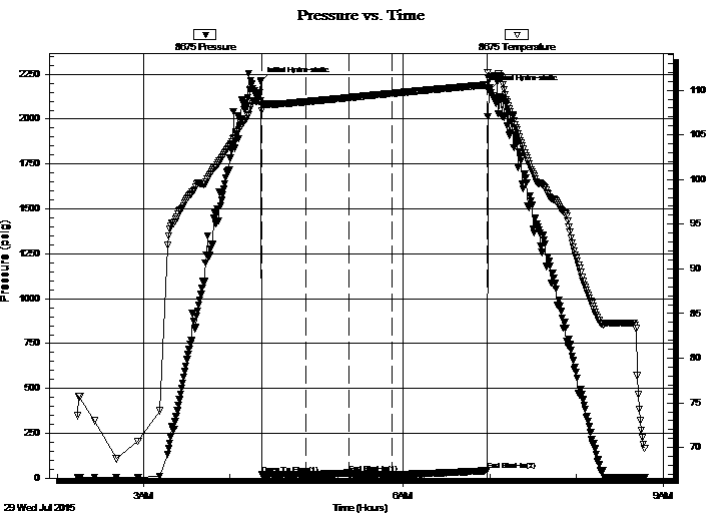
2015.07.29 @ 07:00:15

**TEST COMMENT:** Weak surface blow, died after 12 min.

No return blow

No blow

No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.31	108.82	Initial Hydro-static
1	19.29	107.70	Open To Flow (1)
31	20.13	108.71	Shut-In(1)
61	29.03	109.18	End Shut-In(1)
62	18.56	109.18	Open To Flow (2)
91	20.45	109.65	Shut-In(2)
157	42.09	110.61	End Shut-In(2)
159	2164.31	111.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud w 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 Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61593

**DST#: 3**

ATTN: Tim Priest

Test Start: 2015.07.29 @ 02:14:00

### 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: 47.00 sec/qt

Cushion Volume:

bbf

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	100% Mud with oil spots	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8675

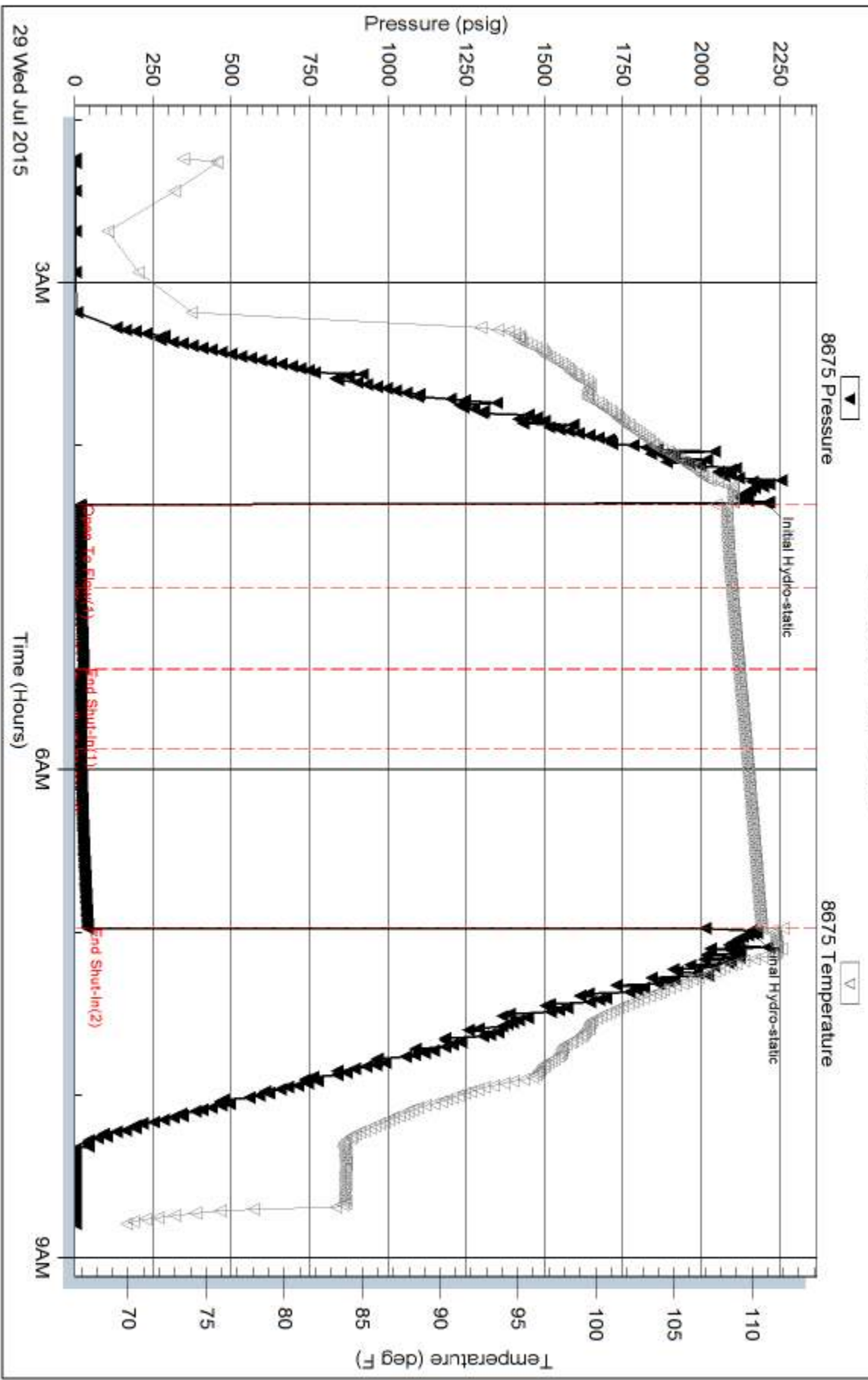
Inside

Shakespeare Oil Company, Inc.

Blakey 1-28

DST Test Number: 3

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 61593

Printed: 2015.07.29 @ 09:12:45



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61594

**DST#: 4**

ATTN: Tim Priest

Test Start: 2015.07.29 @ 19:05:00

## GENERAL INFORMATION:

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:46:45

Time Test Ended: 02:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

**Interval: 4515.00 ft (KB) To 4550.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 19.81 psig @ 4516.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.29

End Date:

2015.07.30

Last Calib.:

2015.07.30

Start Time: 19:05:15

End Time:

02:16:30

Time On Btm:

2015.07.29 @ 21:46:15

Time Off Btm:

2015.07.30 @ 00:21:15

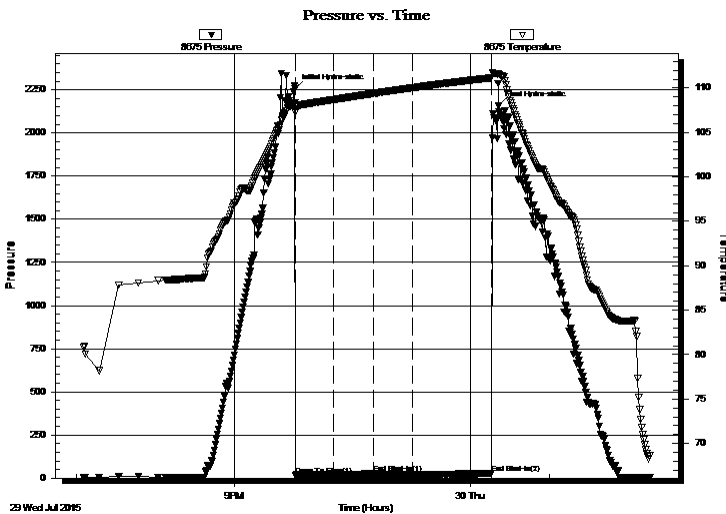
**TEST COMMENT:** Surface blow after 8 min, Died after 20 min.

No return blow

No blow

No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.53	108.34	Initial Hydro-static
1	18.18	107.23	Open To Flow (1)
30	19.43	108.70	Shut-In(1)
60	25.51	109.39	End Shut-In(1)
60	19.42	109.39	Open To Flow (2)
90	19.81	110.04	Shut-In(2)
150	27.44	111.16	End Shut-In(2)
155	2156.20	111.59	Final Hydro-static

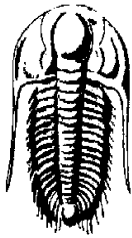
## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud w with few 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**

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61594

**DST#: 4**

ATTN: Tim Priest

Test Start: 2015.07.29 @ 19:05:00

**GENERAL INFORMATION:**

Formation: **Marmaton C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:46:45

Time Test Ended: 02:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

**Interval: 4515.00 ft (KB) To 4550.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4550.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8650 Outside**

Press @ RunDepth: psig @ 4516.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.29 End Date: 2015.07.30

Last Calib.: 2015.07.30

Start Time: 19:05:15 End Time: 02:16:15

Time On Btm:

Time Off Btm:

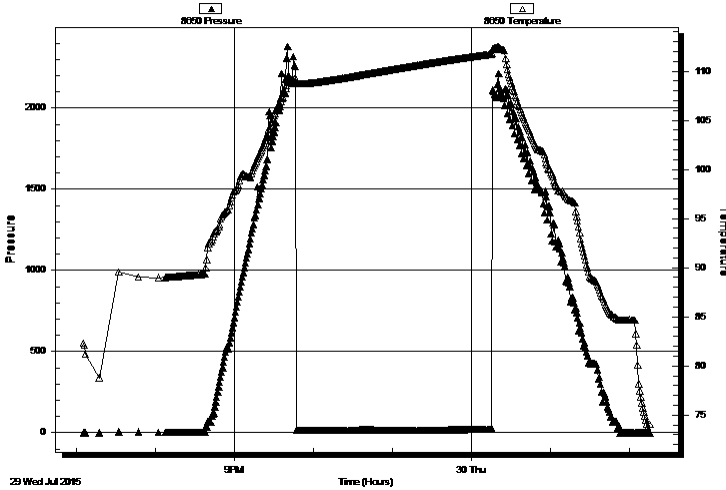
TEST COMMENT: Surface blow after 8 min, Died after 20 min.

No return blow

No blow

No return blow

Pressure vs. Time



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	100% mud w ith few 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 Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61594

**DST#: 4**

ATTN: Tim Priest

Test Start: 2015.07.29 @ 19:05:00

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud with few oil spots	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

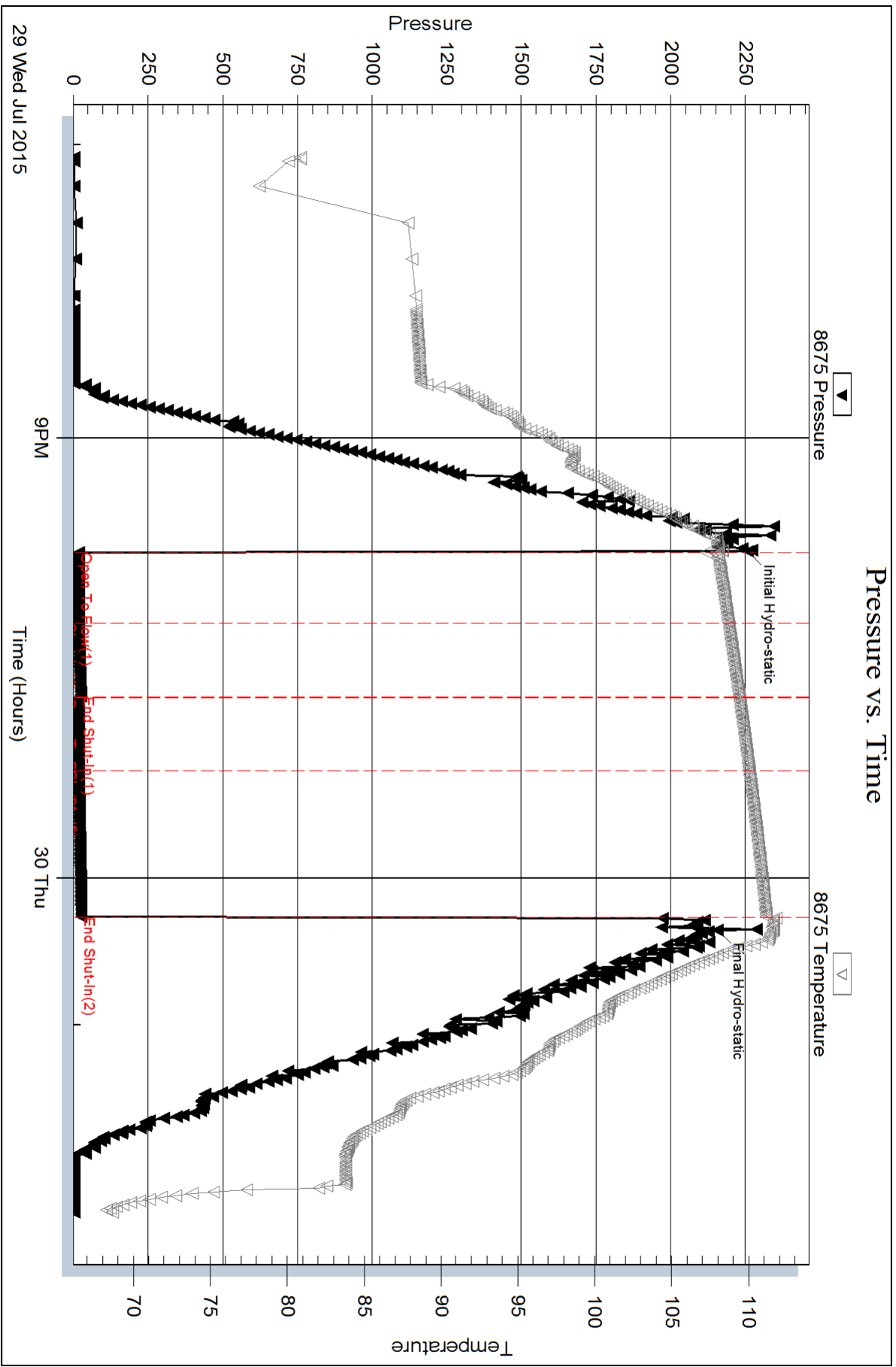
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

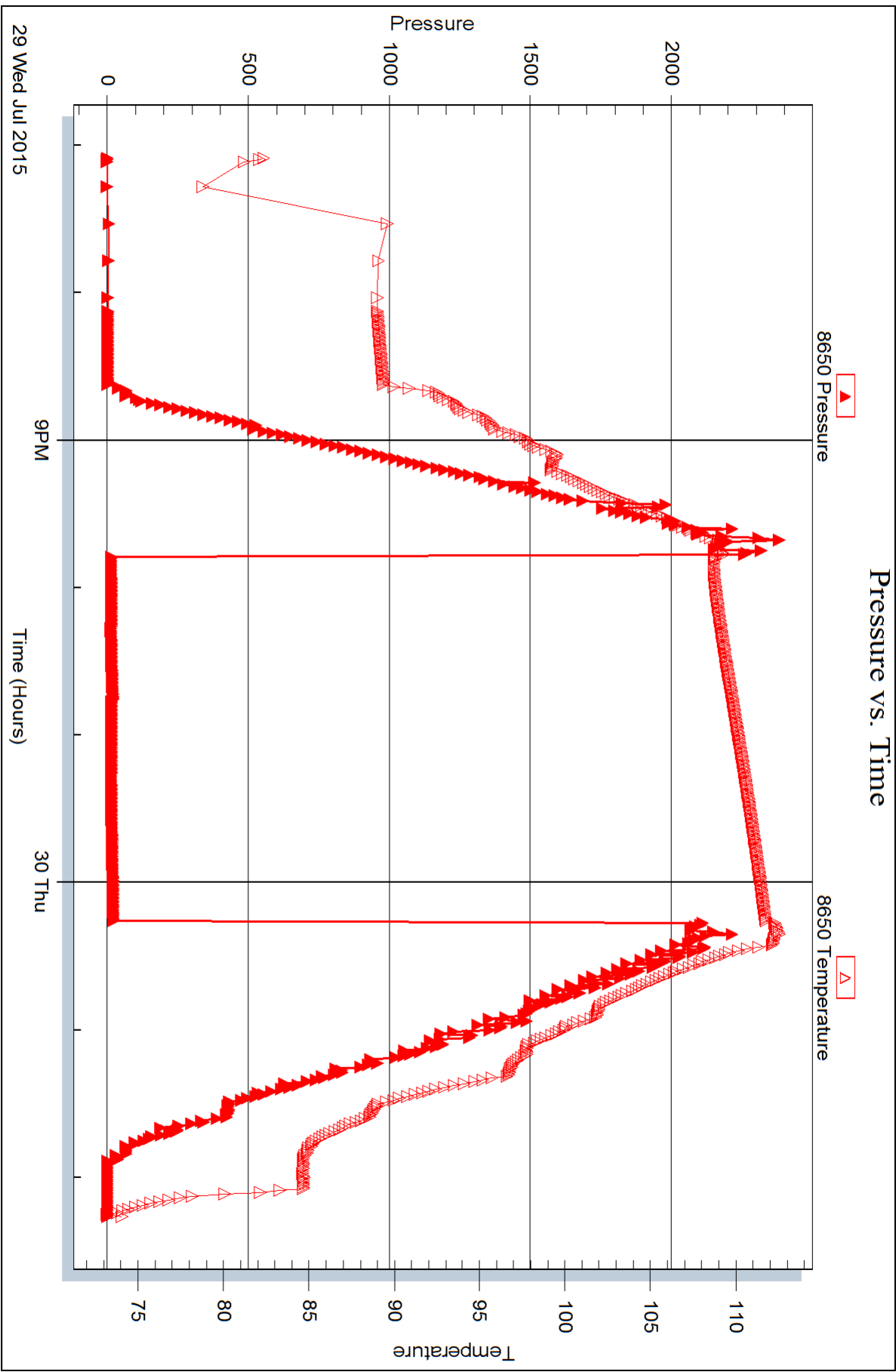


Serial #: 8650

Outside Shakespeare Oil Company, Inc.

Blakey 1-28

DST Test Number: 4





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61595

**DST#: 5**

ATTN: Tim Priest

Test Start: 2015.08.01 @ 06:15:00

## GENERAL INFORMATION:

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:45

Time Test Ended: 13:04:30

Test Type: Conventional Straddle (Reset)

Tester: Jace McKinney

Unit No: 75

**Interval: 4716.00 ft (KB) To 4748.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4910.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 46.70 psig @ 4717.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.01

End Date:

2015.08.01

Last Calib.:

2015.08.01

Start Time: 06:15:15

End Time:

13:04:30

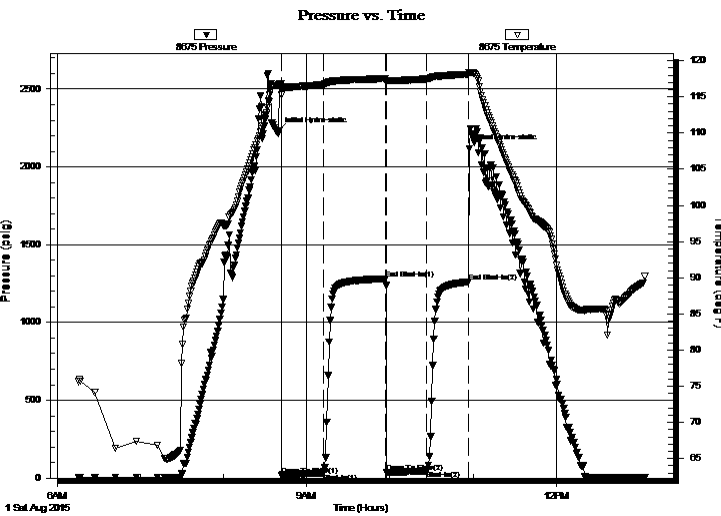
Time On Btm:

2015.08.01 @ 08:39:45

Time Off Btm:

2015.08.01 @ 10:57:15

**TEST COMMENT:** Built to 1" blow  
No return blow  
No blow  
No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.87	116.58	Initial Hydro-static
2	20.33	115.25	Open To Flow (1)
32	33.83	116.72	Shut-In(1)
78	1281.85	117.53	End Shut-In(1)
78	35.89	117.02	Open To Flow (2)
107	46.70	117.48	Shut-In(2)
137	1260.52	118.12	End Shut-In(2)
138	2114.95	118.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% Mud w ith oil spots	0.30

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61595

**DST#: 5**

ATTN: Tim Priest

Test Start: 2015.08.01 @ 06:15:00

**GENERAL INFORMATION:**

Formation: **Johnson Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:41:45

Time Test Ended: 13:04:30

Test Type: Conventional Straddle (Reset)

Tester: Jace McKinney

Unit No: 75

Interval: **4716.00 ft (KB) To 4748.00 ft (KB) (TVD)**

Reference Elevations: 3150.00 ft (KB)

Total Depth: 4910.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8650 Outside**

Press @ Run Depth: psig @ 4717.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.01 End Date: 2015.08.01

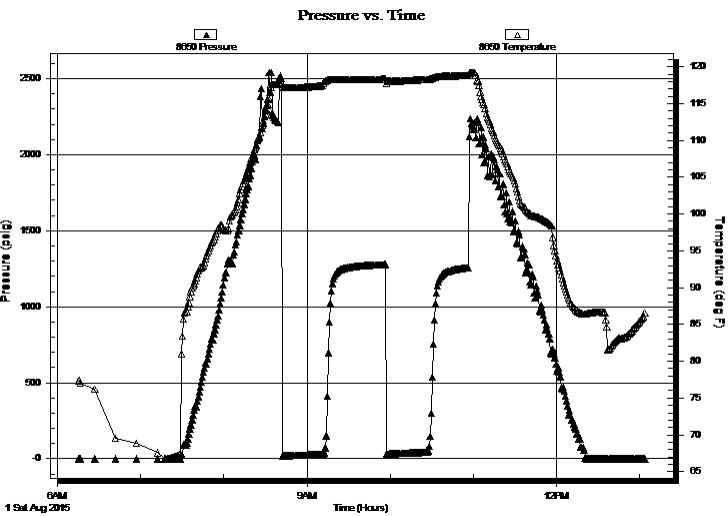
Last Calib.: 2015.08.01

Start Time: 06:15:15 End Time: 13:04:00

Time On Btm:

Time Off Btm:

**TEST COMMENT:** Built to 1" blow  
No return blow  
No blow  
No return blow



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	100% Mud w ith oil spots	0.30

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Shakespeare Oil Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61595

**DST#: 5**

ATTN: Tim Priest

Test Start: 2015.08.01 @ 06:15:00

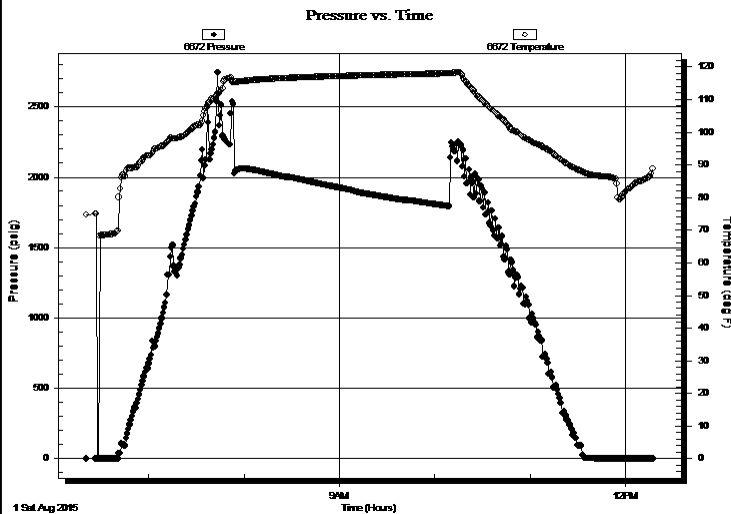
**GENERAL INFORMATION:**

Formation: **Johnson Zone**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 08:41:45  
 Tester: Jace McKinney  
 Time Test Ended: 13:04:30  
 Unit No: 75  
 Interval: **4716.00 ft (KB) To 4748.00 ft (KB) (TVD)**  
 Reference Elevations: 3150.00 ft (KB)  
 Total Depth: 4910.00 ft (KB) (TVD)  
 3143.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Poor  
 KB to GR/CF: 7.00 ft

**Serial #: 6672 Below (Straddle)**

Press @ Run Depth: psig @ 4907.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.08.01 End Date: 2015.08.01 Last Calib.: 2015.08.01  
 Start Time: 06:20:45 End Time: 12:17:15 Time On Btm:  
 Time Off Btm:

TEST COMMENT: Built to 1" blow  
 No return blow  
 No blow  
 No return blow



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	100% Mud with oil spots	0.30

**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 Company, Inc.

**28-16s-34w Scott Co, KS**

202 W Main ST  
Salem IL, 62881-1519

**Blakey 1-28**

Job Ticket: 61595

**DST#: 5**

ATTN: Tim Priest

Test Start: 2015.08.01 @ 06:15:00

## 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: 52.00 sec/qt

Cushion Volume:

bbf

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	100% Mud with oil spots	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

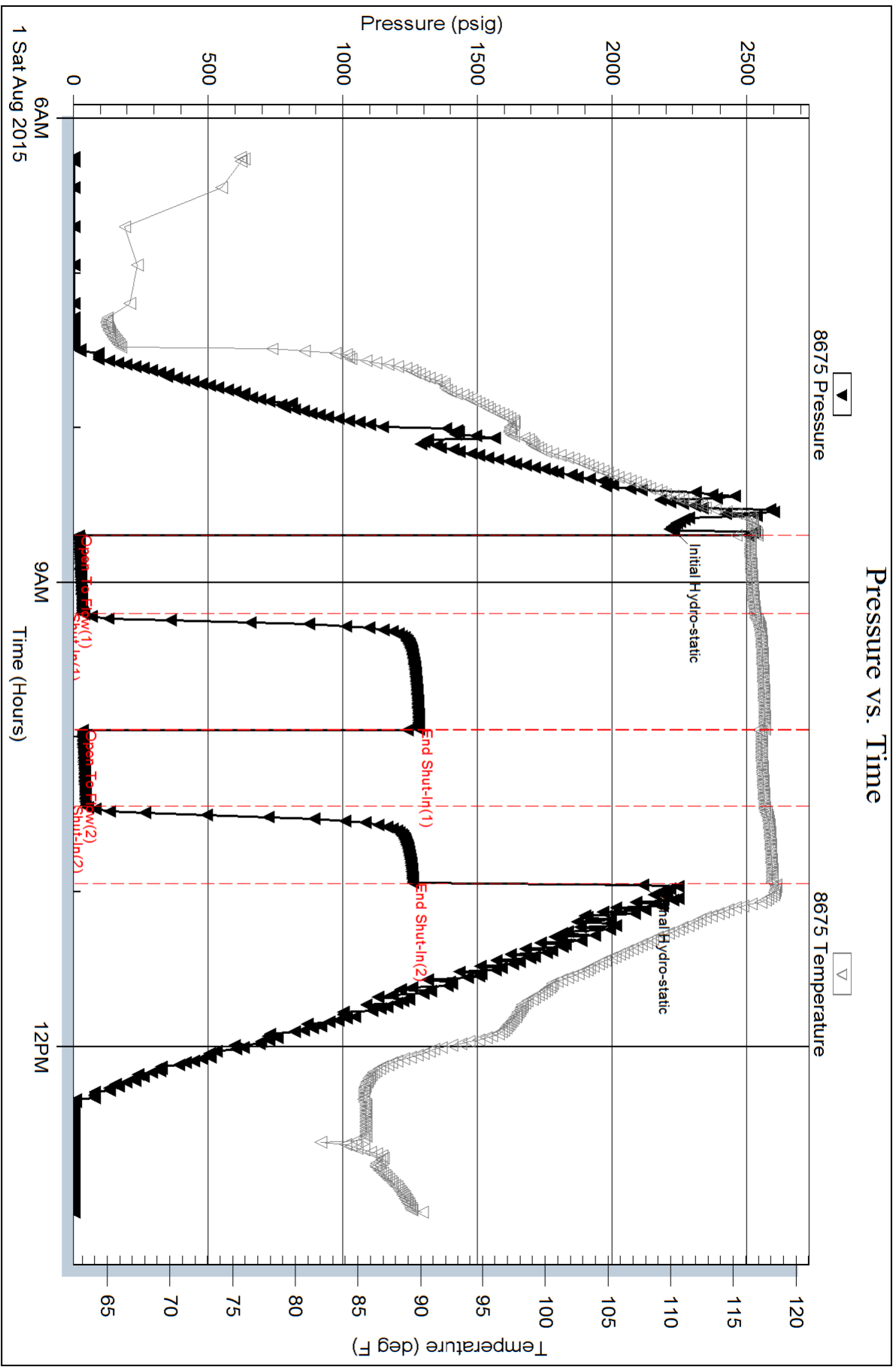
Serial #: 8675

Inside

Shakespeare Oil Company, Inc.

Blakey 1-28

DST Test Number: 5

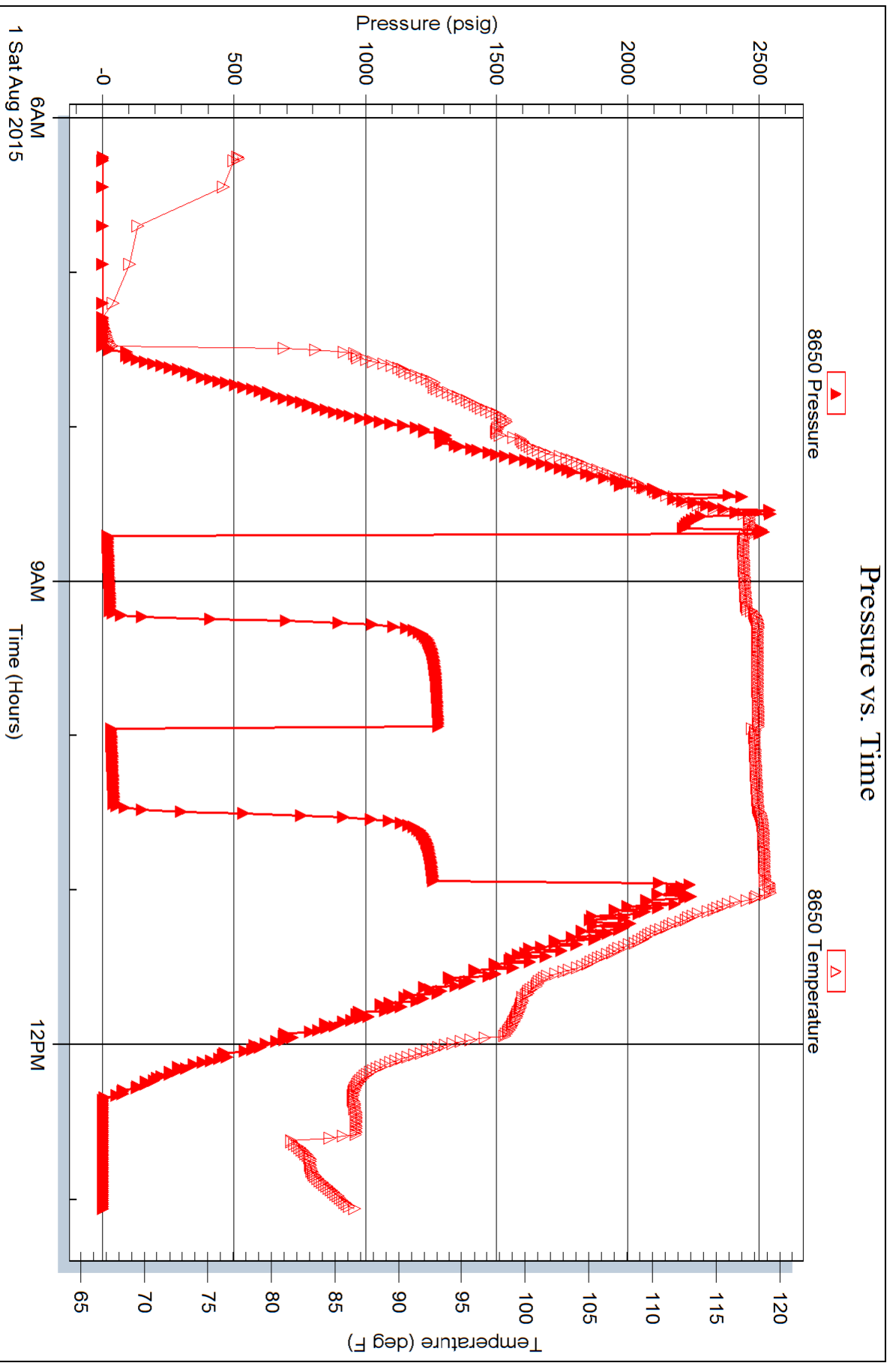


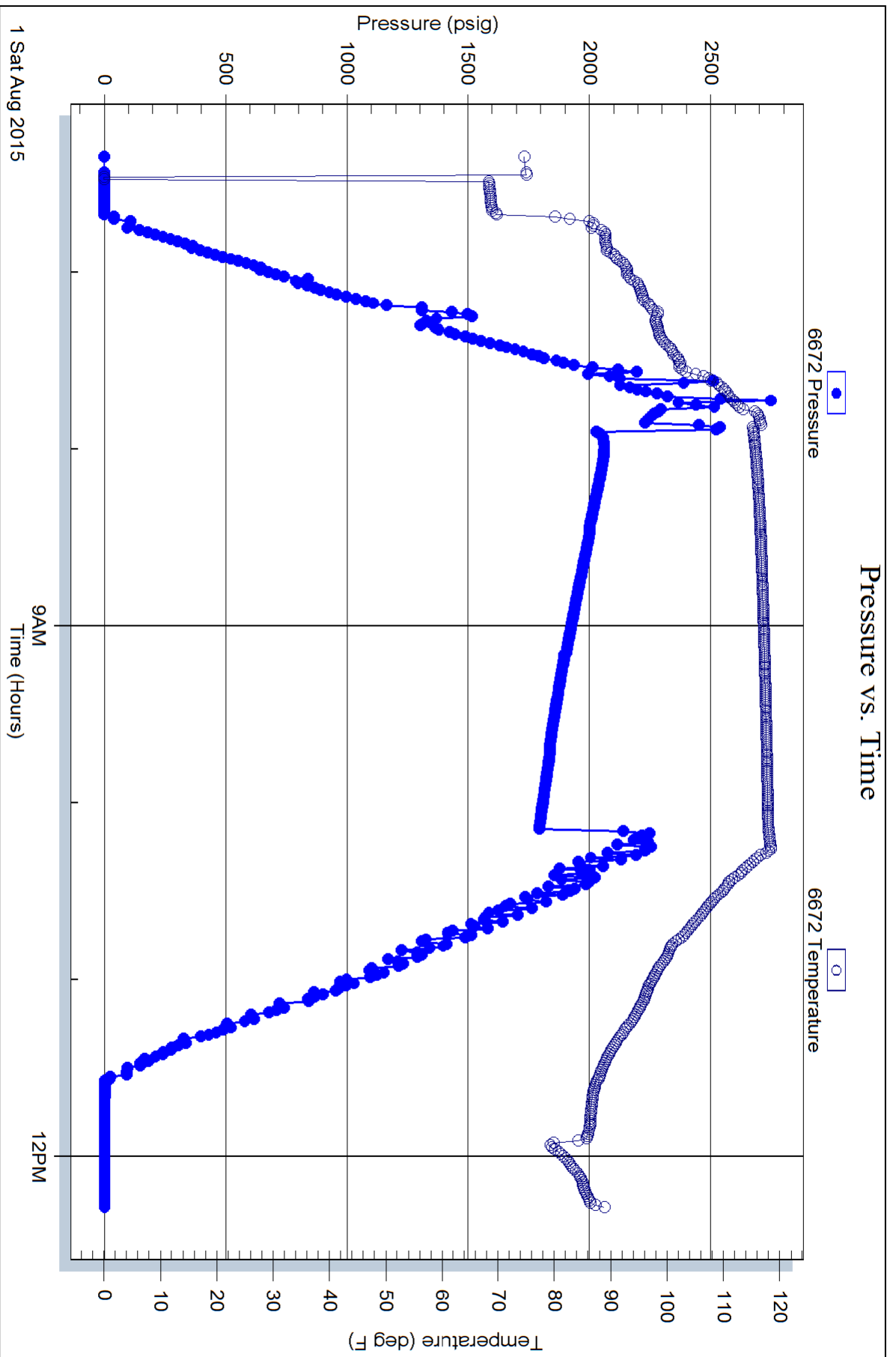
Serial #: 8650

Outside Shakespeare Oil Company, Inc.

Blakey 1-28

DST Test Number: 5





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

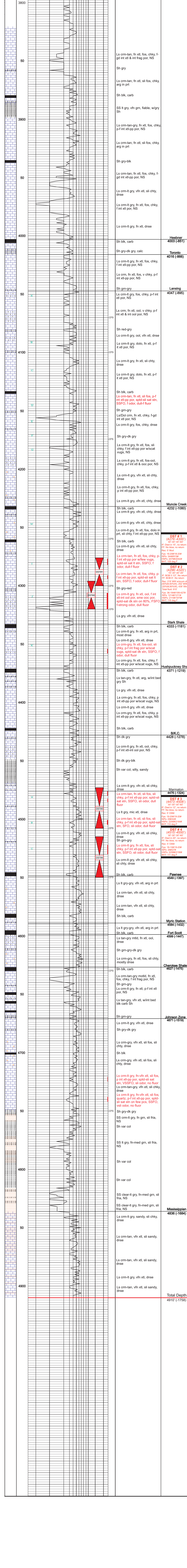
COMPANY **SHAKESPARE OIL CO.** ELEVATIONS **KG 3152'**  
 LEASE **Blakey 1-28** DF \_\_\_\_\_  
 FIELD **Wildcat** SEC \_\_\_\_\_  
 LOCATION **2190' FSL, 350' FWL** GL **3143'**  
 SEC **28** TWPSP **16S** RGE **34W**  
 COUNTY **Scott** STATE **Kansas** Measurements Are All From **KB**  
 CONTRACTOR **HD Rig #3** From **KB**  
 SPUD **7-21-15** COMP **8-1-15**  
 RTD **4910'** LTD **4908'** CASING **N/A**  
 MUD UP **3600'** TYPE MUD **Chemical** CONDUCTION **N/A**  
 SAMPLES SAVED FROM **3800'** to RTD SURFACE **8-5/8" @ 25'**  
 DRILLING TIME KEPT FROM **3800'** to RTD PRODUCTION **None**  
 SAMPLES EXAMINED FROM **3800'** to RTD ELECTRICAL SURVEYS **CND/D/SP/PE**  
 GEOLOGICAL SUPERVISION FROM **3900'** to RTD  
 GEOLOGIST ON WELL **Tim Priest** By: **Weatherford**

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anyvrite	2458 (+694)	2460 (+692)
Heebner Shale	4001 (-849)	4003 (-851)
Austinlg	4046 (-894)	4047 (-895)
SBRK	4330 (-1178)	4333 (-1181)
BRC	4422 (-1270)	4424 (-1272)
Fort Scott	4597 (-1445)	4599 (-1447)
Cherokee Shale	4624 (-1472)	4627 (-1475)
Mississippian	4835 (-1683)	4836 (-1684)

REMARKS **Due to the negative results of DSTs, it was decided to plug and abandon the well.**

Respectfully Submitted,  
 Tim Priest  
 Petroleum Geologist

API #15-171-21145-00-00



**Total Depth** 4910' (-1758)