



KANSAS CORPORATION COMMISSION 1079488  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 7311  
Name: Shakespeare Oil Co., Inc.  
Address 1: 202 W MAIN ST  
Address 2: \_\_\_\_\_  
City: SALEM State: IL Zip: 62881 + 1519  
Contact Person: Donald R. Williams  
Phone: ( 618 ) 548-1585  
CONTRACTOR: License # 33935  
Name: H. D. Drilling, LLC  
Wellsite Geologist: Steve Davis  
Purchaser: N/A

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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_  
07/28/2010 08/09/2010 08/17/2010  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-109-20933-00-00  
Spot Description: \_\_\_\_\_  
NE NE SW NE Sec. 15 Twp. 14 S. R. 32  East  West  
1335 Feet from  North /  South Line of Section  
1585 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Logan  
Lease Name: Ottley Well #: 6-15  
Field Name: Chalk Buttes  
Producing Formation: N/A  
Elevation: Ground: 2729 Kelly Bushing: 2739  
Total Depth: 4490 Plug Back Total Depth: 4441  
Amount of Surface Pipe Set and Cemented at: 222 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2158 Feet  
If Alternate II completion, cement circulated from: 2158  
feet depth to: 0 w/ 325 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 6500 ppm Fluid volume: 2500 bbls  
Dewatering method used: Evaporated  
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

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 04/26/2012



1079488

Operator Name: Shakespeare Oil Co., Inc. Lease Name: Ottley Well #: 6-15  
 Sec. 15 Twp. 14 S. R. 32  East  West County: Logan

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Attached</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Surface	8.625	8.625	23	222	Class A	165	3% CaCl <sub>2</sub> , 2% gel
Production	7.875	5.5	15.5	4489	ASC	220	5#/sk coal-seal & 3/4% CD-31

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2158-0	Pozmix	325	8% gel & 1/4#/sk flocele

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 checked="" type="checkbox"/> No	
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 (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input checked="" type="checkbox"/> Other (Specify) <u>TA 08/17/2010</u>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 6-15
Doc ID	1079488

All Electric Logs Run

Array Induction
Photo Density
Comp. Neutron
Microlog

Form	ACO1 - Well Completion
Operator	Shakespeare Oil Co., Inc.
Well Name	Ottley 6-15
Doc ID	1079488

Tops

Base Anhydrite	2217	+522
Heebner	3703	-964
Lansing	3740	-1001
Muncie Creek	3904	-1165
Stark Shale	3996	-1257
BKC	4069	-1330
L Cherokee Shale	4282	-1543
Johnson	4326	-1587
Morrow Ss	4381	-1642
Mississippian	4411	-1672

# ALLIED CEMENTING CO., LLC. 035099A

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

SERVICE POINT:  
OAKLEY

DATE <u>7-28-10</u>	SEC. <u>15</u>	TWP. <u>14S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION <u>7:30 PM</u>	JOB START <u>8:30 AM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>OAKLEY</u>				WELL # <u>6-15</u>		LOCATION <u>OAKLEY 1950 WTS INTO</u>	
COUNTY <u>LOGAN</u>				STATE <u>KS</u>			

OLD OR NEW (Circle one)

CONTRACTOR H-O DRAG RIG #2

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 223'

CASING SIZE 8 5/8" DEPTH 228'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 1/4 BBLs

OWNER SAME

CEMENT AMOUNT ORDERED  
165 SKS COM 320 CC 280 GEL

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

# 422 HELPER WAYNE

BULK TRUCK DRIVER JERRY

# 347

BULK TRUCK DRIVER

COMMON	<u>165 SKS</u>	@	<u>15.45</u>	<u>2549.25</u>
POZMIX		@		
GEL	<u>3 SKS</u>	@	<u>20.80</u>	<u>62.40</u>
CHLORIDE	<u>6 SKS</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>174 SKS</u>	@	<u>2.40</u>	<u>417.60</u>
MILEAGE	<u>104 PER SKI MILE</u>			<u>348.80</u>
TOTAL				<u>3726.45</u>

REMARKS:  
CEMENT did CTC.

SERVICE

DEPTH OF JOB	<u>223'</u>			
PUMP TRUCK CHARGE			<u>1018.2</u>	
EXTRA FOOTAGE	@			
MILEAGE	<u>20 MI</u>	@	<u>7.8</u>	
MANIFOLD	@			
	@			
	@			
TOTAL				<u>1158.6</u>

CHARGE TO: SHAKESPEARE OIL & GAS

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			
TOTAL				_____

Good Job!  
Thank you

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

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

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

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

PRINTED NAME Doug Roberts

SIGNATURE Doug Roberts



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
 Fax: (785) 483-5566

# INVOICE

Invoice Number: 123984  
 Invoice Date: Aug 10, 2010  
 Page: 1

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

*file copy*

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #6-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 10, 2010	9/9/10

Quantity	Item	Description	Unit Price	Amount
250.00	MAT	ASC Class A	18.60	4,650.00
176.00	MAT	CD-31	9.35	1,645.60
1,250.00	MAT	Gilsonite	0.89	1,112.50
500.00	MAT	WFR-2	1.27	635.00
278.00	SER	Handling	2.40	667.20
20.00	SER	Mileage 278 sx @ .10 per sk per mi	27.80	556.00
1.00	SER	Production Casing	2,185.00	2,185.00
20.00	SER	Pump Truck Mileage	7.00	140.00

INT  
 RECEIVED  
 AUG 20 2010

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

\$ 2318.26

ONLY IF PAID ON OR BEFORE  
 Sep 4, 2010

Subtotal	11,591.30
Sales Tax	587.15
Total Invoice Amount	12,178.45
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,178.45</b>

# ALLIED CEMENTING CO., LLC. 038968

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

SERVICE POINT:  
Oakley, KS

DATE <u>8-10-10</u>	SEC. <u>15</u>	TWP. <u>14S</u>	RANGE <u>32W</u>	CALLED OUT	ON LOCATION <u>11:30am</u>	JOB START <u>11:00pm</u>	JOB FINISH <u>11:30pm</u>
LEASE <u>Ottley</u>		WELL # <u>6-15</u>		LOCATION <u>Oakley 185' 4" in</u>		COUNTY <u>Logan</u>	STATE <u>KS</u>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR H-D #2

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4489 22

CASING SIZE 5 1/2 IS-S DEPTH 4489 22

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

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

TOOL Port collar DEPTH 2161'

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

MEAS. LINE \_\_\_\_\_ SHOE JOINT 42 25

CEMENT LEFT IN CSG. 42 22

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

DISPLACEMENT 105.83

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 250 ASC 5#G.1/5R

3/4" CD-31

500gal WFA II

COMMON _____	@ _____	_____
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE _____	@ _____	_____
ASC <u>250</u>	@ <u>18.00</u>	<u>4650.00</u>
CD-31 <u>176 #</u>	@ <u>9.35</u>	<u>1645.00</u>
Gilsonite <u>1250 #</u>	@ <u>.89</u>	<u>1112.50</u>
WFA II <u>500</u>	@ <u>1.27</u>	<u>635.00</u>
HANDLING <u>278</u>	@ <u>2.40</u>	<u>667.20</u>
MILEAGE <u>.10 x 54 miles</u>		<u>556.00</u>
TOTAL		<u>9266.30</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzzly

# 431 HELPER Kelly

BULK TRUCK DRIVER Jerry

# 347

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

**REMARKS:**

Pumps BAL Fresh water, 500gal WFA II  
15 BAL Fresh water Mix 3055 in AH  
Mix 270gks cement with pump  
#lines Drop plus regular do  
latch down 500' h:cs 1400' land  
Plug down @ 11:30pm  
Thanks Fuzzly + crew

**SERVICE**

DEPTH OF JOB 4489 22

PUMP TRUCK CHARGE 2185.00

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

MILEAGE 20 @ 7.00 140.00

MANIFOLD @ \_\_\_\_\_

TOTAL 2325.00

CHARGE TO: Shadraper Oil Gas

STREET \_\_\_\_\_

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

**PLUG & FLOAT EQUIPMENT**

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

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Roberts

SIGNATURE Doug Robert

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

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

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



PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 124098

Invoice Date: Aug 17, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

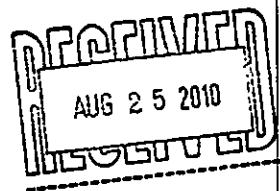
<b>Bill To:</b>
Shakespeare Oil Co., Inc. 202 West Main St. Salem, IL 62881

*file copy*

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Shak	Ottley #6-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-04	Oakley	Aug 17, 2010	9/16/10

Quantity	Item	Description	Unit Price	Amount
211.00	MAT	Class A Common	15.45	3,259.95
114.00	MAT	Pozmix	8.00	912.00
22.00	MAT	Gel	20.80	457.60
81.00	MAT	Flo Seal	2.50	202.50
442.00	SER	Handling	2.40	1,060.80
20.00	SER	Mileage 442 sx @ .10 per sk per mi	44.20	884.00
1.00	SER	Port Collar	1,185.00	1,185.00
20.00	SER	Pump Truck Mileage	7.00	140.00

INT



<p>ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF</p> <p>\$ 1620.37</p> <p>ONLY IF PAID ON OR BEFORE</p> <p>Sep 11, 2010</p>	Subtotal	8,101.85
	Sales Tax	352.74
	Total Invoice Amount	8,454.59
	Payment/Credit Applied	
	<b>TOTAL</b>	<b>8,454.59</b>



# ALLIED CEMENTING CO., LLC. 035437

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

SERVICE POINT: Oakley, Ks

DATE <u>8/17/10</u>	SEC. <u>15</u>	TWP. <u>14</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00</u>	JOB FINISH <u>2:00</u>
LEASE # <u>7769</u>	WELL # <u>6-15</u>	LOCATION <u>Oakley 18 S Winto</u>			COUNTY <u>Coyne</u>	STATE <u>Ks</u>	

CONTRACTOR Wildwest OWNER Dame

TYPE OF JOB Art collar

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE 5 1/2 DEPTH \_\_\_\_\_

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

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

TOOL Port collar DEPTH 2158

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

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

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

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

DISPLACEMENT 2 1/2 BBL Displacement

CEMENT

AMOUNT ORDERED 400 SKS 65/195 87 meal

1/4 16 P/O Seal 500/16 Hella

On site used 325 SKs

COMMON	<u>211</u>	@	<u>15.45</u>	<u>3259.95</u>
POZMIX	<u>114</u>	@	<u>8.00</u>	<u>912.00</u>
GEL	<u>25</u>	@	<u>20.28</u>	<u>457.00</u>
CHLORIDE		@		
SC		@		
P/O Seal	<u>81</u>	@	<u>2.50</u>	<u>202.50</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>444 SKs</u>	@	<u>2.46</u>	<u>1062.80</u>
MILEAGE	<u>12.5 SK/mile</u>			<u>887.50</u>
				TOTAL <u>6776.85</u>

EQUIPMENT

PUMP TRUCK CEMENTER Alan

# 423 L8/HELPER Wayne

BULK TRUCK

# 394 DRIVER Damon

BULK TRUCK

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

**REMARKS:**

Test tool to 1200 Hella. Pump top / Est. Rate. Mix 325 SKs 65/195. P/O gel 1/4 P/O Seal. Displace 2 1/2 BBL. Close tool joint to 1200 P/O Hella. Run 5 strokes. Reverse clean.

Thank You Alan, Wayne, Damon

**SERVICE**

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1185.00</u>
EXTRA FOOTAGE	@	
MILEAGE	@	<u>5.00 140.00</u>
MANIFOLD	@	
	@	
	@	
		TOTAL <u>325.00</u>

CHARGE TO: Shakespeare

STREET \_\_\_\_\_

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

**PLUG & FLOAT EQUIPMENT**

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

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME T.C. LARSON

SIGNATURE T.C. Larson

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

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

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

SHAKESPEARE OIL COMPANY, INC.

**Ottley #6-15**

1335' FNL 1585' FEL NE/4, Sec. 15-14S-32W

Logan Co., KS

API# 15-109-20933; EGL 2729'; EKB 2739'

**GEOLOGICAL SUMMARY**

Spud Date: 7/28/2010  
 Completion Date: 8/10/2010  
 Drilling Contractor: HD Drilling Rig #2  
 Wellsite Geologist: Steve Davis  
 Geological Tops: \* All tops picked from Weatherford Wireline logs.\*

<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Comments</u>
Stone Corral Anhy	2197' +542'	2217' +522'	
Stotler	3345' -606'		
Topeka	3538' -799'		
Heebner Shale	3703' -964'	3706' -967'	
Toronto	3720' -981'		
Lansing	3739' -1000'		sso DST#1-#3
Muncie Creek Sh	3904' -1165'	3908' -1169'	
LKC-"H"	3917' -1178'		sso in smpl
LKC-"I"	3946' -1207'		sso DST #4
LKC-"J"	3972' -1233'		gso DST #5
Stark Shale	3996' -1257'	4000' -1261'	
LKC-"K"	4011' -1272'		
Hushpuckney Sh	4031' -1292'	4035' -1296'	
LKC-"L"	4038' -1299'		
BKC	4069' -1330'		
Marmaton	4114' -1375'		
Pawnee	4199' -1460'		
Myric Station	4238' -1499'		s.o. DST #6
Fort Scott	4253' -1514'		
L. Cherokee Sh	4282' -1543'	4286' -1547'	
Johnson	4326' -1587'		s.o. DST #7
Morrow Shale	4359' -1620'		
Morrow Ss	4381' -1642'	4391' -1652'	Core #1
Morrow Ss	4401' -1662'	4409' -1670'	sso in smpl
Missippian	4411' -1672'		
DTD	4490' -1751'		
LTD	4488' -1749'		

**DST #1: LKC "B-C" 3762'-3810'. Hit bridge at 1700'. Mis-run.**

**DST #2: LKC "B-C" 3762'-3810' 30-45-60-92. Rec'd 124' MCW (30% mud, 70% wtr) & 372' Water.** IF: B.O.B. in 30 min, FF: B.O.B. in 34 min - no return. IFP 20-117#, FFP 123-231#, ISIP 1017#, FSIP 1005#, BHT=114<sup>0</sup>F.

**DST #3: 3 LKC "D-F" 3812'-3846 30-30-30-30. Rec'd 2' mud w/ oil spots.** IF: weak blow died in 2 min, FF: no blow. IFP 13-18#, FFP 18-21#, ISIP 904#, FSIP 815#, BHT=108<sup>0</sup>F.

**DST #4: LKC "I" 3935'-3964' 15-30-45-90. Rec'd 124' MCW (30% mud, 70% wtr) & 992' Water.** IF: BOB in 4 min - no return, FF: BOB in 6 min - no return. IFP 53-231#, FFP 241-538#, ISIP 770#, FSIP 766#, BHT=119<sup>0</sup>F.

**DST #5: LKC "J" 3964'-3986' 15-30-45-90. Rec'd 124' MCW (20% mud, 80% wtr) & 558' Water.** IF: BOB in 11 min - no return, FF: BOB in 16 min - no return. IFP 55-148#, FFP 159-326#, ISIP 785#, FSIP 781#, BHT=118<sup>0</sup>F.

**DST#6: Myric Station 4224'-4250' 30-30-30-30. Rec'd 10' mud.** IF: weak surface blow died in 8 min - no return, FF: no blow - no return, IFP 43-37#, FFP 46-49#, ISIP 683#, FSIP 591#, BHT=116<sup>0</sup>F.

**DST #7: Johnson 4305'-4345' 20-45-20-120. Rec'd 10' mud.** IF: weak surface blow died in 4 min - no return, FF: no blow - no return, IFP 46-38#, FFP 45-35#, ISIP 78#, FSIP 470#, BHT=116<sup>0</sup>F. Note: extra long FSI due to working on rig.

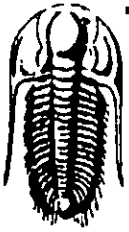
**Core #1: RU Devilbiss Coring Service, ran 6 1/2" x 4" x 30' core bbl, cored 4365'-4391', core bbl jammed @ 4391.5', rec'd 26' of core, shale 4365'-4385', ss, fine gr., nso, no odor 4385'-4391'. Sent core to Denver CoreLab for analysis.**

Logs: Weatherford - Array Induction/SP/GR, CD/CN/ML/GR. LTD 4488'

Status: Set new 5 1/2" csg. @ 4489', cmt'd w/ 220 sx ASC w/5#/sk gilsonite & 3/4% CD-31. Plug Down 10:30 p.m., 8/10/10. WOC to convert to WTW.

Respectfully submitted,

Dale K. Helpingstine  
Geologist, IL#196-000596



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039610

DST#: 1

ATTN: Steve Davis

Test Start: 2010.08.02 @ 16:47:30

### GENERAL INFORMATION:

Formation: **B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 18:20:45

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: **3762.00 ft (KB) To 3810.00 ft (KB) (TVD)**

Reference Elevations: 2739.00 ft (KB)

Total Depth: 3810.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6667** Inside

Press@RunDepth: psig @ 3763.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.02 End Date: 2010.08.02

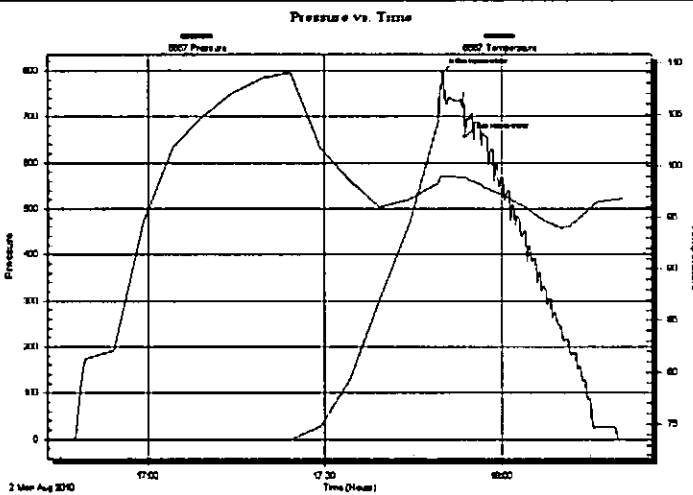
Last Calib.: 2010.08.02

Start Time: 16:47:30 End Time: 18:20:45

Time On Btrc: 2010.08.02 @ 17:50:00

Time Off Btrc: 2010.08.02 @ 17:53:45

TEST COMMENT: Hit bridge @ 1690' pull tool to condition hole



### PRESSURE SUMMARY

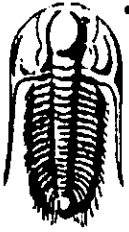
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	796.36	98.97	Initial Hydro-static
4	656.10	98.87	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039610

**DST#: 1**

ATTN: Steve Davis

Test Start: 2010.08.02 @ 16:47:30

**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: 51.00 sec/qt

Cushion Volume: bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0

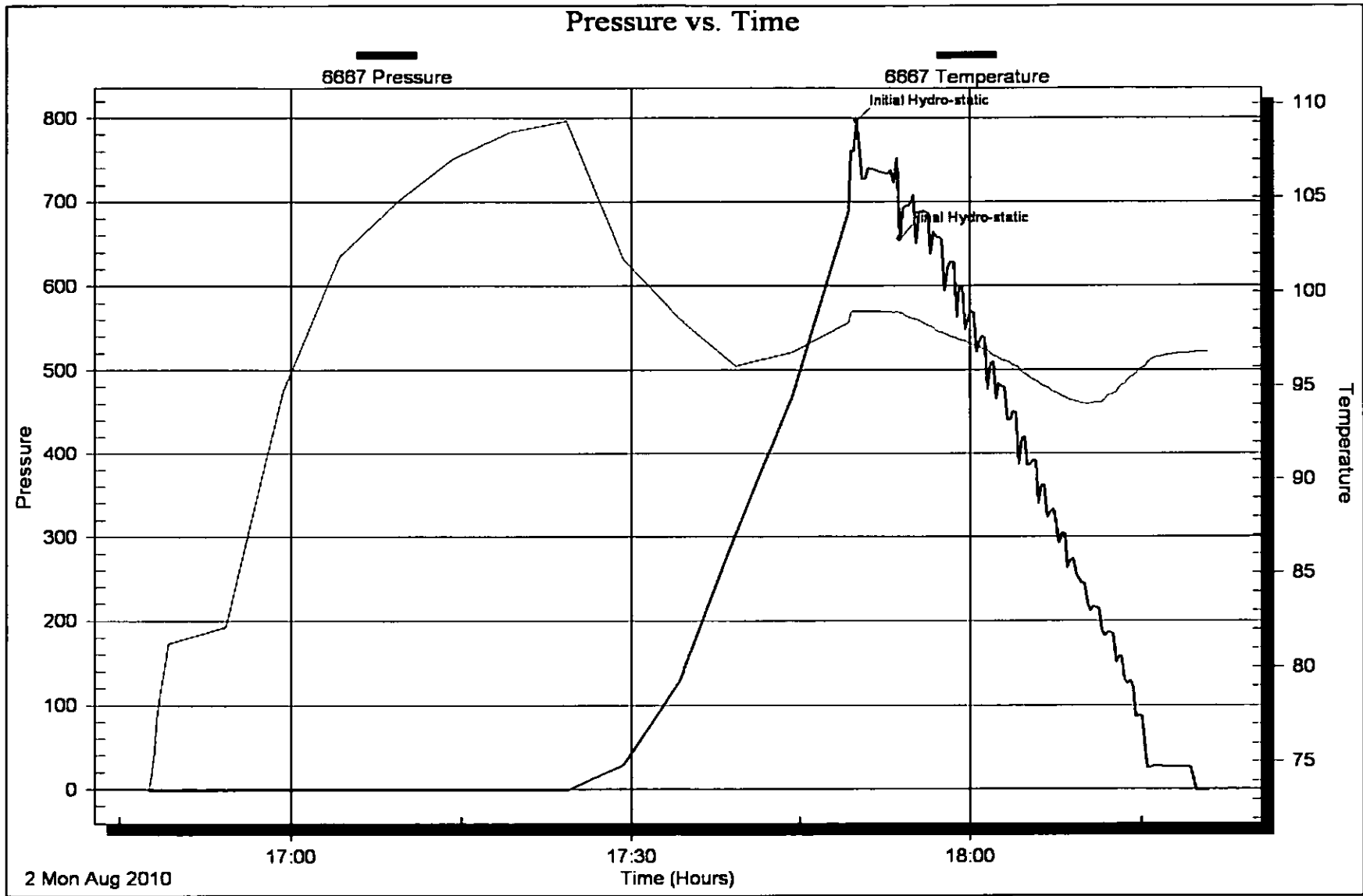
Num Gas Bombs: 0

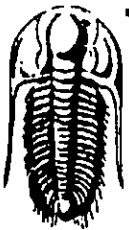
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039611

**DST#: 2**

ATTN: Steve Davis

Test Start: 2010.08.02 @ 23:20:45

## GENERAL INFORMATION:

Formation: **B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:15:15

Time Test Ended: 08:25:30

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: **3762.00 ft (KB) To 3810.00 ft (KB) (TVD)**

Reference Elevations: 2739.00 ft (KB)

Total Depth: 3810.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6667**

**Inside**

Press@RunDepth: 231.20 psig @ 3763.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.02

End Date: 2010.08.03

Last Calib.: 2010.08.03

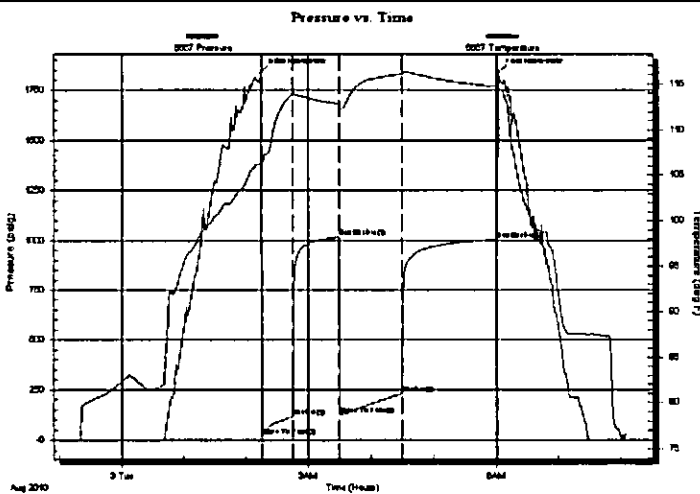
Start Time: 23:20:45

End Time: 08:05:30

Time On Btm: 2010.08.03 @ 02:15:00

Time Off Btm: 2010.08.03 @ 06:02:45

**TEST COMMENT:** B.O.B. in 30 min.  
No return  
B.O.B. in 34 min.  
No return



## PRESSURE SUMMARY

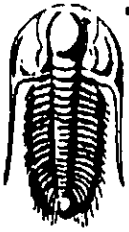
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.80	106.26	Initial Hydro-static
1	19.79	105.85	Open To Flow (1)
30	116.82	113.85	Shut-In(1)
75	1016.81	112.87	End Shut-In(1)
76	122.73	112.50	Open To Flow (2)
135	231.20	116.06	Shut-In(2)
227	1004.50	114.73	End Shut-In(2)
228	1838.99	114.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	m c w 30% m 70% w	0.66
372.00	water 100% w	5.22

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039611

**DST#: 2**

ATTN: Steve Davis

Test Start: 2010.08.02 @ 23:20:45

### 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:

31500 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	m c w 30% m 70% w	0.655
372.00	w ater 100% w	5.218

Total Length: 496.00 ft

Total Volume: 5.873 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

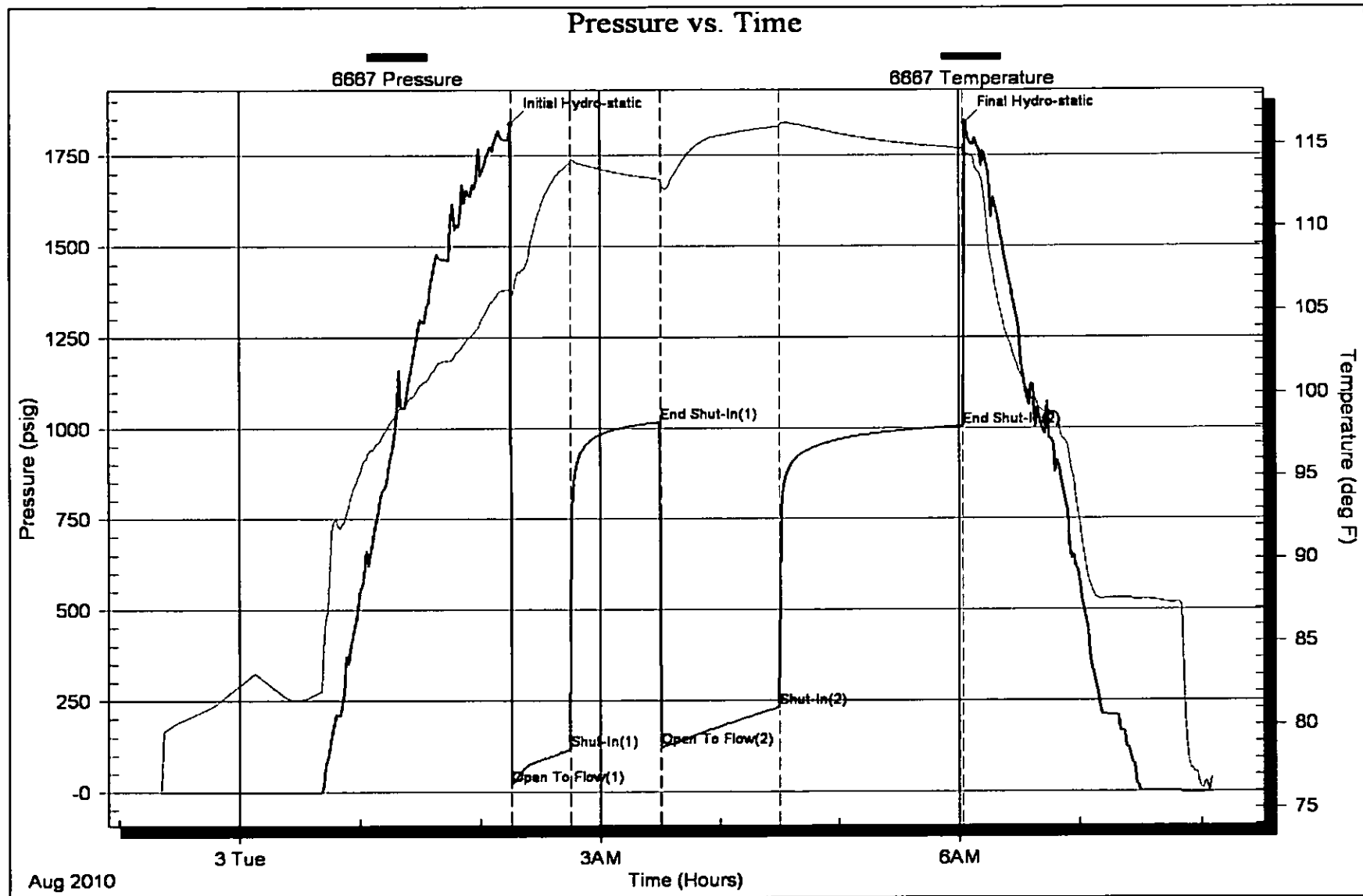
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .204 @ 73\*f= 31,500 chlor







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039612

**DST#: 3**

ATTN: Steve Davis

Test Start: 2010.08.03 @ 15:50:49

### GENERAL INFORMATION:

Formation: **D-E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:16:04

Time Test Ended: 21:05:19

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: **3812.00 ft (KB) To 3846.00 ft (KB) (TVD)**

Reference Elevations: 2739.00 ft (KB)

Total Depth: 3846.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6667**

Inside

Press@RunDepth: 21.60 psig @ 3813.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.03

End Date: 2010.08.03

Last Calib.: 2010.08.03

Start Time: 15:50:49

End Time: 20:55:19

Time On Btm: 2010.08.03 @ 17:15:49

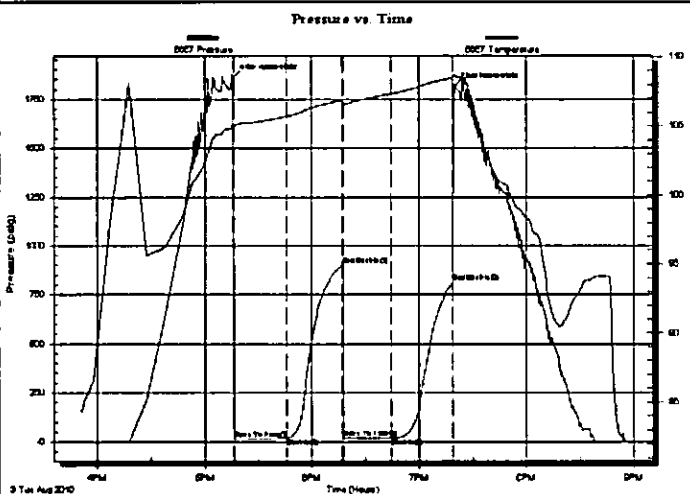
Time Off Btm: 2010.08.03 @ 19:19:49

**TEST COMMENT:** Weak blow died in 2 min.

No return

No blow

No return



### PRESSURE SUMMARY

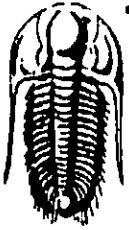
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1857.15	105.18	Initial Hydro-static
1	13.63	104.01	Open To Flow (1)
30	18.02	105.71	Shut-in(1)
62	903.59	106.88	End Shut-in(1)
62	18.99	106.57	Open To Flow (2)
89	21.60	107.35	Shut-in(2)
124	814.74	108.49	End Shut-in(2)
124	1815.48	108.75	Final Hydro-static

### Recovery

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

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039612

**DST#: 3**

ATTN: Steve Davis

Test Start: 2010.08.03 @ 15:50:49

### 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: 56.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud w/oil spots 100%r	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

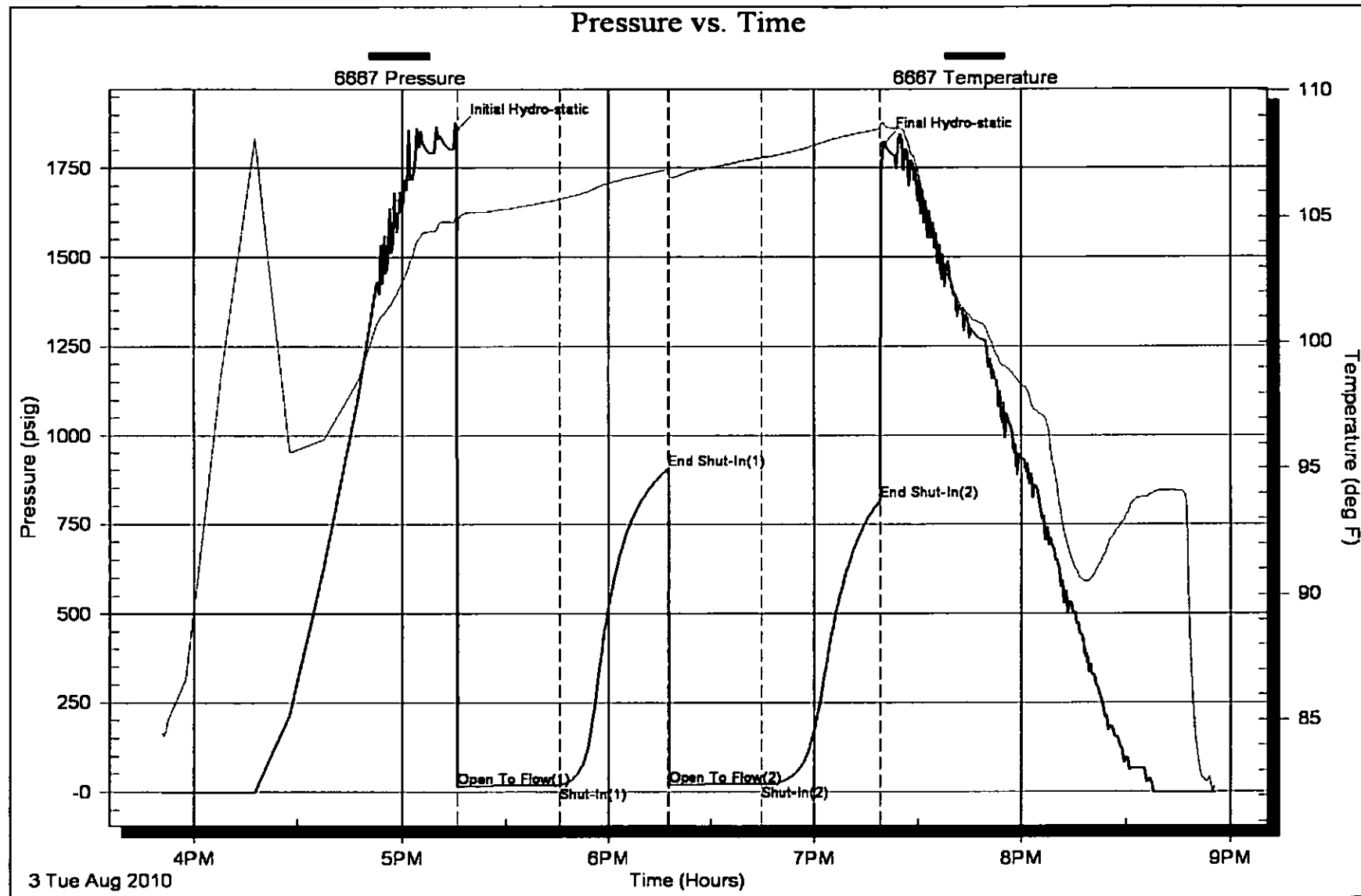
Num Gas Bombs: 0

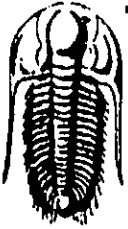
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039613

DST#: 4

ATTN: Steve Davis

Test Start: 2010.08.04 @ 12:30:49

## GENERAL INFORMATION:

Formation: I

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:25:19

Time Test Ended: 19:55:04

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 3935.00 ft (KB) To 3964.00 ft (KB) (TVD)

Reference Elevations: 2739.00 ft (KB)

Total Depth: 3964.00 ft (KB) (TVD)

2729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6667**

Inside

Press@RunDepth: 538.03 psig @ 3936.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.04

End Date:

2010.08.04

Last Calib.: 2010.08.04

Start Time: 12:30:49

End Time:

19:33:04

Time On Btm: 2010.08.04 @ 14:25:04

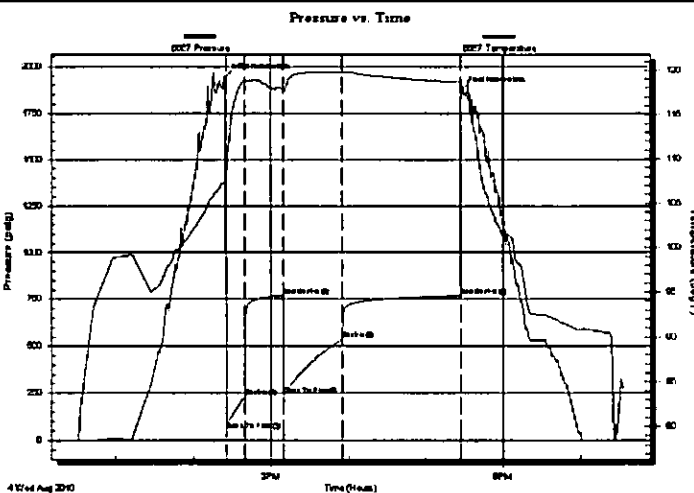
Time Off Btm: 2010.08.04 @ 17:28:04

TEST COMMENT: B.O.B. in 4 min.

No return

B.O.B. in 6 min.

No return



## PRESSURE SUMMARY

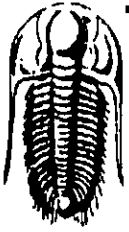
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.04	107.88	Initial Hydro-static
1	52.91	107.54	Open To Flow (1)
15	230.97	118.86	Shut-In(1)
45	769.51	117.91	End Shut-In(1)
45	240.84	117.66	Open To Flow (2)
91	538.03	119.72	Shut-In(2)
183	766.26	118.64	End Shut-In(2)
183	1871.94	118.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
992.00	water 100%w	12.83
124.00	m c w 30% m 70% w	1.74

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039613

DST#: 4

ATTN: Steve Davis

Test Start: 2010.08.04 @ 12:30:49

## 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: 40000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
992.00	water 100%w	12.831
124.00	m c w 30% m 70%w	1.739

Total Length: 1116.00 ft      Total Volume: 14.570 bbl

Num Fluid Samples: 0

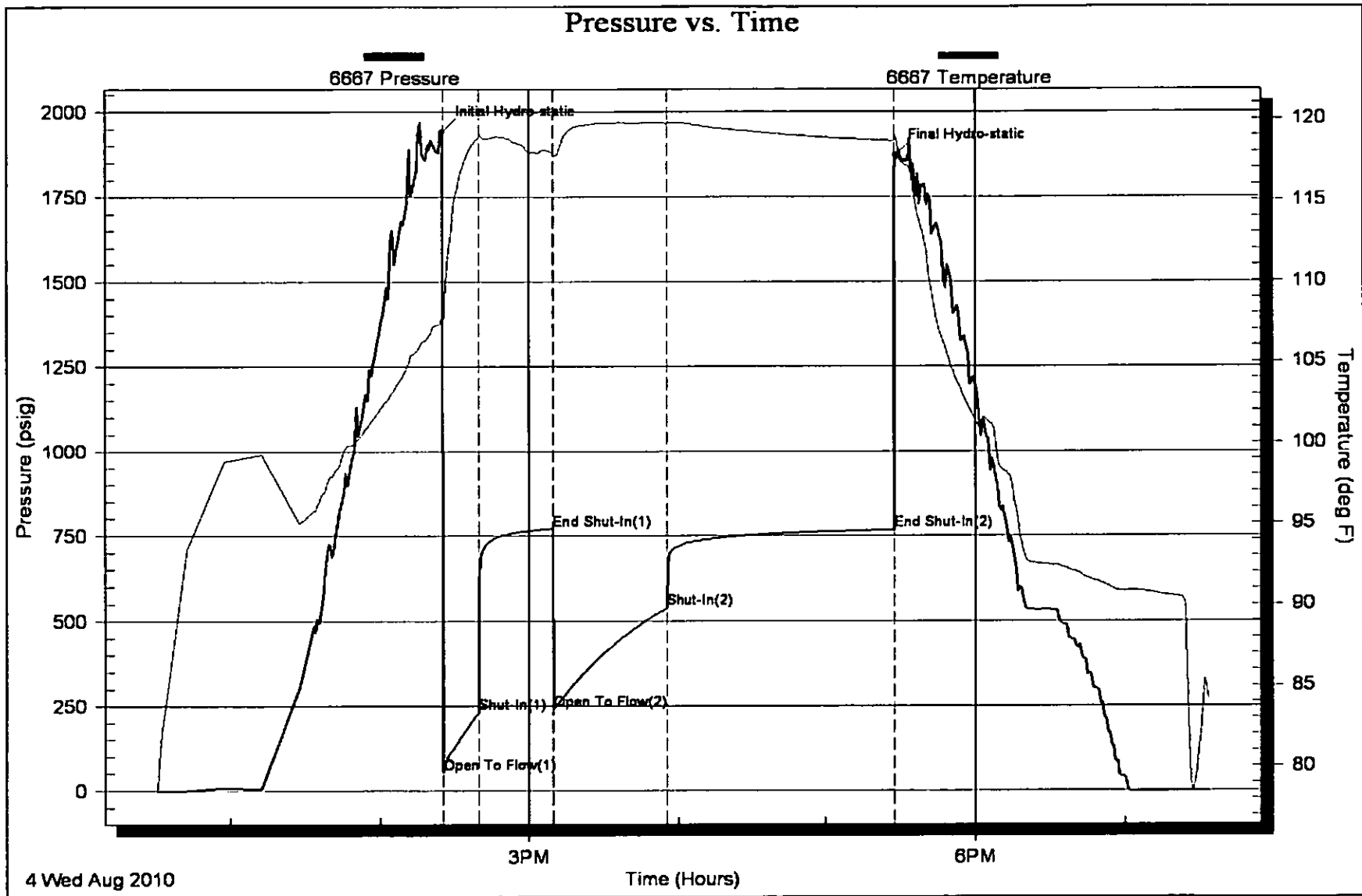
Num Gas Bombs: 0

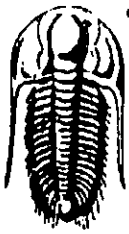
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rfw .125 @ 97°F=40,000 chlor





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shakespeare Oil  
202 West Main St  
Salem, IL  
62881  
ATTN: Steve Davis

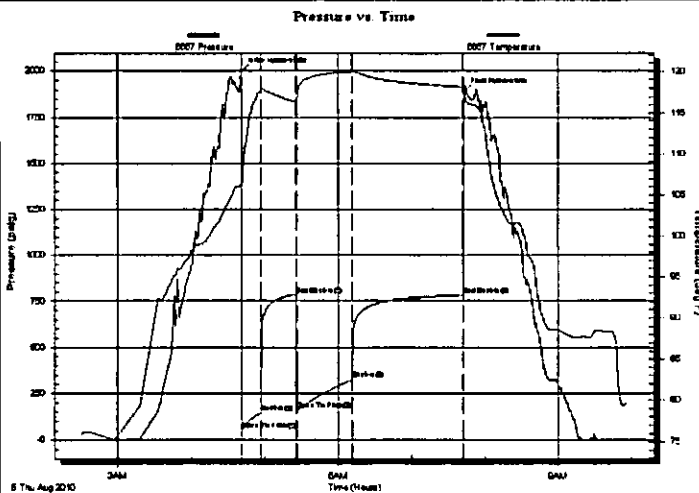
**Ottley #6-15**  
**15-14s-32w Logan, Ks**  
Job Ticket: 039614      **DST#: 5**  
Test Start: 2010.08.05 @ 02:30:53

## GENERAL INFORMATION:

Formation: **J**  
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**  
Time Tool Opened: 04:41:08 Tester: **Shane McBride**  
Time Test Ended: 10:20:38 Unit No: **40**  
Interval: **3966.00 ft (KB) To 3986.00 ft (KB) (TVD)** Reference Elevations: **2739.00 ft (KB)**  
Total Depth: **3986.00 ft (KB) (TVD)** **2729.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

**Serial #: 6667**      **Inside**  
Press@RunDepth: **326.44 psig @ 3967.00 ft (KB)** Capacity: **8000.00 psig**  
Start Date: **2010.08.05** End Date: **2010.08.05** Last Calib.: **2010.08.05**  
Start Time: **02:30:53** End Time: **09:56:38** Time On Btm: **2010.08.05 @ 04:40:53**  
Time Off Btm: **2010.08.05 @ 07:42:53**

**TEST COMMENT:** B.O.B. in 11 min.  
No return  
B.O.B. in 16 min  
No return



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1997.13	106.43	Initial Hydro-static
1	55.40	105.28	Open To Flow (1)
16	148.26	117.77	Shut-In(1)
45	785.67	116.43	End Shut-In(1)
45	159.52	116.26	Open To Flow (2)
91	326.44	119.92	Shut-In(2)
182	781.68	118.13	End Shut-In(2)
182	1885.77	118.15	Final Hydro-static

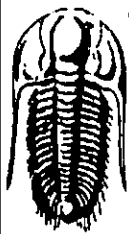
## Recovery

Length (ft)	Description	Volume (bbl)
558.00	water 100%w	6.74
124.00	m c w 20% m 80% w	1.74

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IA  
62881

**15-14s-32w Logan, Ks**

ATTN: Steve Davis

Job Ticket: 039614

DST#: 5

Test Start: 2010.08.05 @ 02:30:53

## 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:

38500 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
558.00	water 100%w	6.743
124.00	m.c.w 20% m 80%w	1.739

Total Length:

682.00 ft

Total Volume:

8.482 bbl

Num Fluid Samples: 0

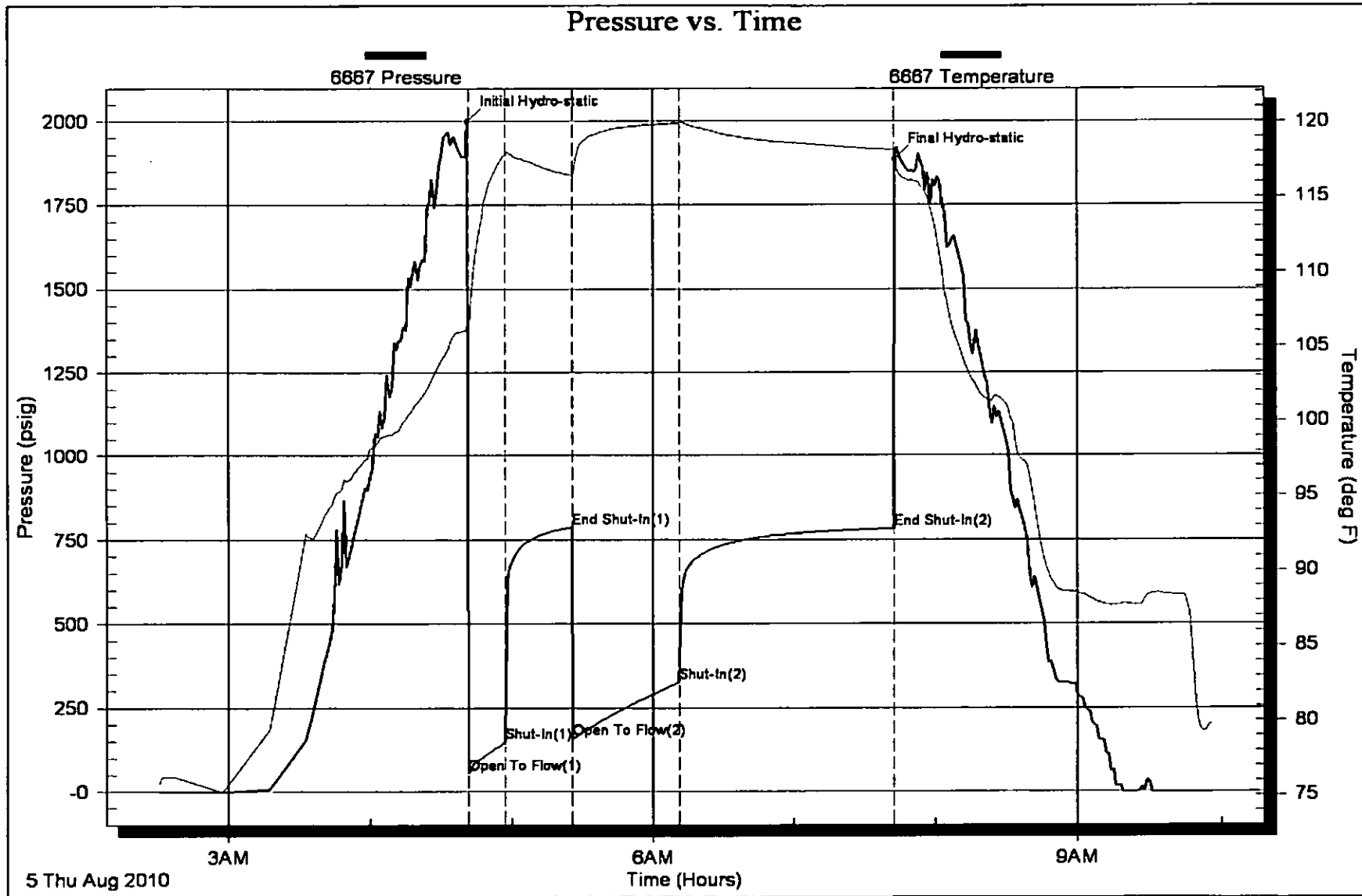
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: nw .159 @ 83°F = 38,500







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shakespeare Oil

**Ottley #6-15**

202 West Main St  
Salem, IL  
62881

**15-14s-32w Logan, Ks**

Job Ticket: 039114

**DST#: 6**

ATTN: Steve Davis

Test Start: 2010.08.06 @ 16:50:36

### 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: 56.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100% <sub>m</sub>	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

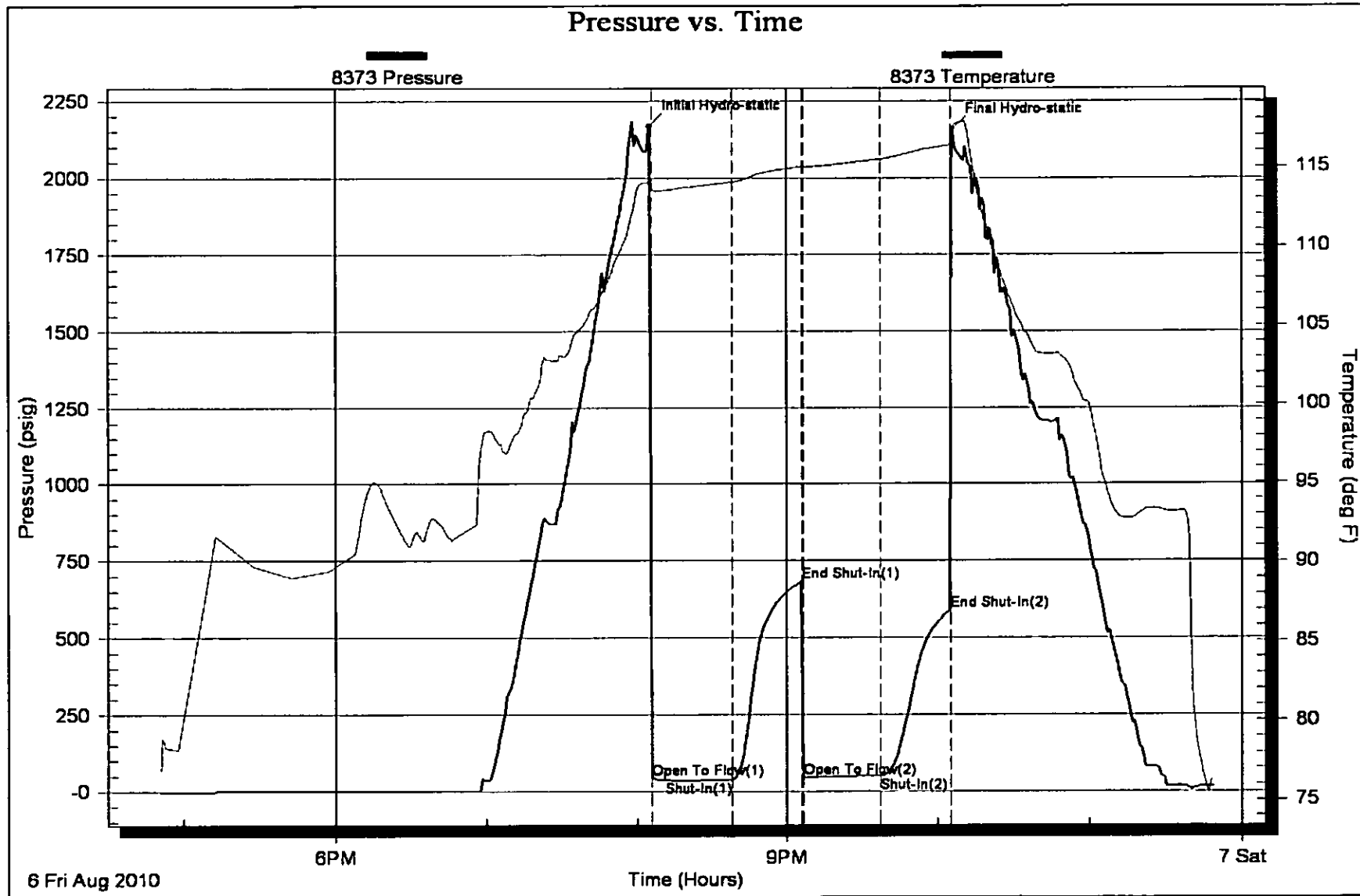
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 123754

Invoice Date: Jul 28, 2010

Page: 1

Voice: (785) 483-3887  
 Fax: (785) 483-5566

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

*file* *INT*

<b>Customer ID</b>	<b>Well Name# or Customer P.O.</b>	<b>Payment Terms</b>	
Shak	Otley #8-15	Net 30 Days	
<b>Job Location</b>	<b>Camp Location</b>	<b>Service Date</b>	<b>Due Date</b>
KS1-01	Oakley	Jul 28, 2010	8/27/10

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	15.45	2,549.25
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
174.00	SER	Handing	2.40	417.60
20.00	SER	Mileage 174 sx @ .10 per sk per mi	17.40	348.00
1.00	SER	Surface	1,018.00	1,018.00
20.00	SER	Pump Truck Mileage	7.00	140.00

**RECEIVED**  
 AUG 09 2010  
 RECEIVED

Subtotal	4,884.45
Sales Tax	216.14
Total Invoice Amount	5,100.59
Payment/Credit Applied	
<b>TOTAL:</b>	<b>5,100.59</b>

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

\$ 1231.<sup>00</sup>

ONLY IF PAID ON OR BEFORE  
 Aug 22, 2010