

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

8/23/12

Operator: License # 7311
Name: Shakespeare Oil Company, Inc.
Address: 202 West Main Street
City/State/Zip: Salem, IL 62881
Purchaser: N/A
Operator Contact Person: Donald R. Williams
Phone: (618) 548-1585
Contractor: Name: WW Drilling, LLC
License: 33575
Wellsite Geologist: Steve Davis

KCC

AUG 23 2012

CONFIDENTIAL

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil SWD SLOW Temp. Abd.
- Gas ENHR SIGW
- Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

8/2/10	8/12/10	8/12/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 109-20934-600
County: Logan
NE SW NW SW Sec. 15 Twp. 14 S. R. 32 East West
1910 feet from S / N (circle one) Line of Section
335 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Ottley Well #: 7-15
Field Name: Chalk Buttes

Producing Formation: N/A
Elevation: Ground: 2799' Kelly Bushing: 2804'

Total Depth: 4570' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 219' 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 6500 ppm Fluid volume 2500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Donald R. Williams

Title: Vice President Date: 8/18/10

Subscribed and sworn to before me this 18th day of August

2010

Notary Public: Melissa A. Noel

Date Commission Expires: 11-6-11



KCC Office Use ONLY

- Letter of Confidentiality Received 8/23/10 - 8/23/12
- If Denied, Yes Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution

RECEIVED
Alt 2 - P&A - Dlg - 8/27/10 AUG 25 2010

KCC WICHITA

Operator Name: Shakespeare Oil Company, Inc. Lease Name: Ottley Well #: 7-15
 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Geological Report	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			
Array Ind/SP/GR, CNL/CDL/GR/CAL/ML			

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	12 1/4"	8 5/8"	23#	219'	Class A	160	2% gel, 3% CaCl

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				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd 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
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Disposition of Gas <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input 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	Production Interval <input type="checkbox"/> Other (Specify) _____
------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------

Shakespeare Oil Company

INCORPORATED
202 WEST MAIN STREET
SALEM, ILLINOIS
62881
WWW.SHAKESPEARE-OIL.COM

August 23, 2010

Kansas Corporation Commission
Conservation Division
130 South Market, Suite 2078
Wichita, Kansas 67202-3801

Re: Form ACO-1 & CP-4
Ottley #7-15
Logan County, Kansas

KCC
AUG 23 2010
CONFIDENTIAL

Ladies and Gentlemen:

Enclosed please find the above referenced forms for the Ottley #7-15 well located in Logan County, Kansas. Please keep information CONFIDENTIAL for as long as regulations allow.

If you require additional information, please contact me at 618-548-1585 or email me at dale@shakespeare-oil.com.

Very truly yours,
Shakespeare Oil Company, Inc.



Dale Helpingstine
Registered Professional Geologist

Encls.

cc: Well File
Donald R. Williams

RECEIVED
AUG 25 2010
KCC WICHITA



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123985

Invoice Date: Aug 12, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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

KCC
AUG 23 2010
CONFIDENTIAL

file copy

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #7-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 12, 2010	9/11/10

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Class A Common	15.45	1,900.35
82.00	MAT	Pozmix	8.00	656.00
7.00	MAT	Gel	20.80	145.60
51.00	MAT	Flo Seal	2.50	127.50
214.00	SER	Handling	2.40	513.60
20.00	SER	Mileage 214 sx @ .10 per sk per mi	21.40	428.00
1.00	SER	Plug to Abandon	1,185.00	1,185.00
20.00	SER	Pump Truck Mileage	7.00	140.00
1.00	EQP	8.5/8 Wooden Plug	40.00	40.00

INT
RECEIVED
AUG 20 2010

Subtotal	5,136.05
Sales Tax	374.93
Total Invoice Amount	5,510.98
Payment/Credit Applied	
TOTAL	5,510.98

RECEIVED

AUG 25 2010

KCC WICHITA

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

\$ 1027.21

ONLY IF PAID ON OR BEFORE

Sep 6, 2010

ALLIED CEMENTING CO., LLC. 035430

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

KCC
AUG 23 2010

SERVICE POINT:

Oakley, KS

DATE <i>8/12/10</i>	SEC. <i>15</i>	TWP. <i>14</i>	RANGE <i>32</i>	CALLLED OUT	ON LOCATION	JOB START <i>6:00A</i>	JOB FINISH <i>2:00A</i>
LEASE <i>07/16</i>	WELL # <i>7-15</i>	LOCATION <i>Oakley 20 South 1W</i>			COUNTY <i>Cogan</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)				<i>N/W 20</i>			

CONTRACTOR *WW 10*

TYPE OF JOB *PTA*

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

CASING SIZE *8 5/8* DEPTH

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER *Same*

CEMENT

AMOUNT ORDERED *205 60/40*

4070 gal 14 16 Flo Seal

COMMON	<i>123</i>	@	<i>1545</i>	<i>1900³⁵</i>
POZMIX	<i>82</i>	@	<i>820</i>	<i>656⁰⁰</i>
GEL	<i>7</i>	@	<i>2000</i>	<i>145⁰⁰</i>
CHLORIDE		@		
ASC		@		
<i>Flo Seal</i>	<i>5116</i>	@	<i>280</i>	<i>127⁰⁰</i>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>214 SK</i>	@	<i>240</i>	<i>513⁶⁰</i>
MILEAGE	<i>104 SK/mile</i>			<i>928⁰⁰</i>
TOTAL				<i>3771⁰⁵</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

422 HELPER *Wayne*

BULK TRUCK

394 DRIVER *WJ*

BULK TRUCK

DRIVER

REMARKS:

25 SK @ 2765'

100 SK @ 1150'

40 SK @ 270'

10 SK @ 40'

30 SK @ But Hole

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *1185⁰⁰*

EXTRA FOOTAGE @

MILEAGE *20* @ *700* *140⁰⁰*

MANIFOLD @

@

@

CHARGE TO: *Shakespeare*

STREET

CITY STATE ZIP

TOTAL *1325⁰⁰*

PLUG & FLOAT EQUIPMENT

8 5/8 Woodm Plug @ *40⁰⁰*

@

@

@

@

TOTAL *40⁰⁰*

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

PRINTED NAME *MARK HERSKOWITZ* DISCOUNT IF PAID IN 30 DAYS

SIGNATURE *Mark Herskowitz*



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 123870
 Invoice Date: Aug 2, 2010
 Page: 1

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

KCC
 AUG 2 3 2010
 CONFIDENTIAL

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

INT

file

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #7-15	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 2, 2010	9/1/10

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	Handling	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 10 2010

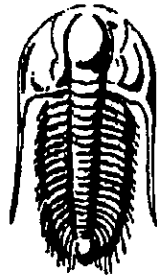
RECEIVED
 AUG 25 2010
 KCC WICHITA

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

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

\$ 976.89

ONLY IF PAID ON OR BEFORE
 Aug 27, 2010



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co.**

202 w Main St.
Salem IL, 62881

ATTN: Tim Priest

15-14s-32w Logan, KS

Ottley 7-15

Start Date: 2010.08.06 @ 09:05:23

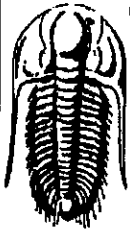
End Date: 2010.08.06 @ 15:09:53

Job Ticket #: 37379 DST #: 1

**KCC
AUG 23 2010
CONFIDENTIAL**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
AUG 25 2010
KCC WICHITA**



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

ATTN: Tim Priest

Job Ticket: 37379 DST#: 1

Test Start: 2010.08.06 @ 09:05:23

GENERAL INFORMATION:

Formation: **Lansing 'B'**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 10:36:38
 Time Test Ended: 15:09:53

Test Type: **Conventional Bottom Hole**
 Tester: **Mike Slemp**
 Unit No: **53**

Interval: **3826.00 ft (KB) To 3852.00 ft (KB) (TVD)**
 Total Depth: **3852.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2803.00 ft (KB)**
2799.00 ft (CF)
 KB to GR/CF: **4.00 ft**

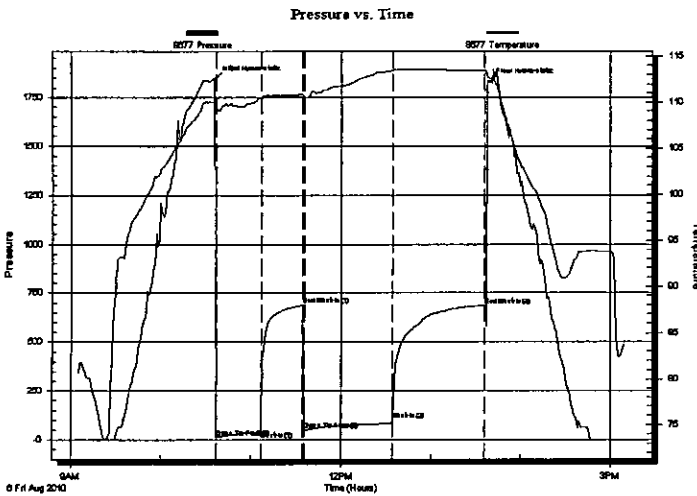
Serial #: 8677

Inside

Press@RunDepth: **97.05 psig @ 3828.00 ft (KB)**
 Start Date: **2010.08.06** End Date: **2010.08.06**
 Start Time: **09:05:24** End Time: **15:09:53**

Capacity: **8000.00 psig**
 Last Calib.: **2010.08.06**
 Time On Btm: **2010.08.06 @ 10:35:38**
 Time Off Btm: **2010.08.06 @ 13:38:38**

TEST COMMENT: IF: Weak building blow 1 inch in 30 min
 IS: No blow back
 FF: Weak building blow 1 inch in 30 min
 FS: No blow back



PRESSURE SUMMARY

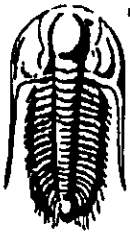
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1843.84	109.85	Initial Hydro-static
1	12.71	109.19	Open To Flow (1)
31	45.34	110.49	Shut-In(1)
59	687.10	110.76	End Shut-In(1)
60	47.53	110.54	Open To Flow (2)
119	97.05	113.42	Shut-In(2)
180	685.37	113.39	End Shut-In(2)
183	1827.87	112.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	MCW50% water 50% mud	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co.

Ottley 7-15

202 w Main St.
Salem L, 62881

15-14s-32w Logan, KS

Job Ticket: 37379

DST#: 1

ATTN: Tim Priest

Test Start: 2010.08.06 @ 09:05:23

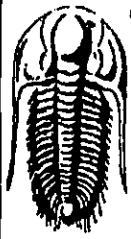
Tool Information

Drill Pipe:	Length: 3698.00 ft	Diameter: 3.80 inches	Volume: 51.87 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 52.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3826.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3812.00	
Hydraulic tool	5.00			3817.00	
Packer	5.00			3822.00	19.00 Bottom Of Top Packer
Packer	4.00			3826.00	
Stubb	1.00			3827.00	
Perforations	1.00			3828.00	
Recorder	0.00	8677	Inside	3828.00	
Recorder	0.00	8678	Inside	3828.00	
Perforations	21.00			3849.00	
Bullnose	3.00			3852.00	26.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 37379

DST#: 1

ATTN: Tim Priest

Test Start: 2010.08.06 @ 09:05:23

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:

26000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	MCW50%w ater50%mud	1.255

Total Length: 170.00 ft

Total Volume: 1.255 bbl

Num Fluid Samples: 0

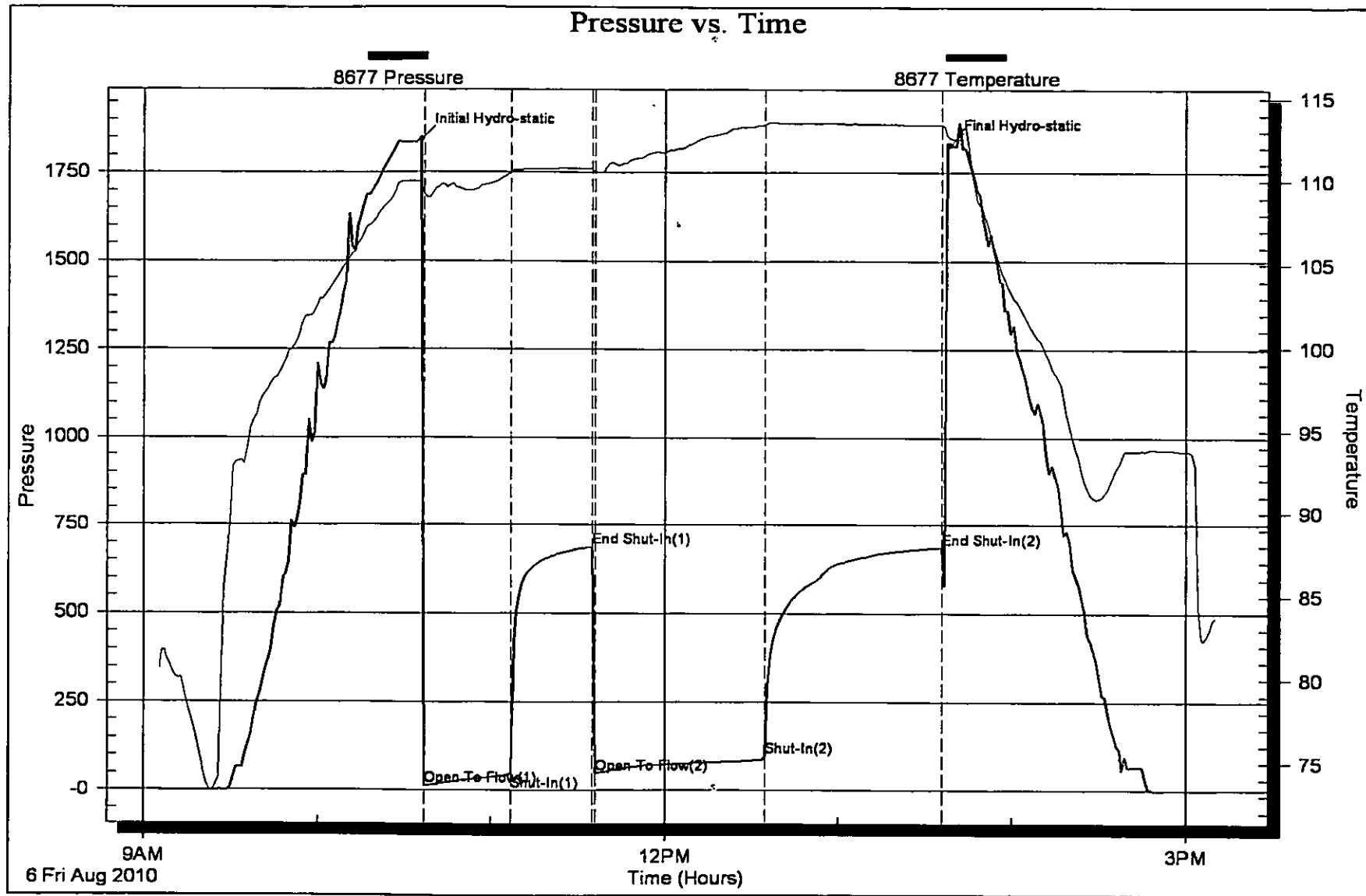
Num Gas Bombs: 0

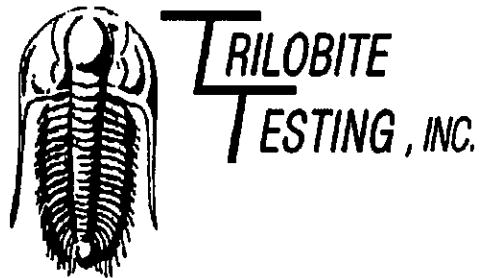
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co.**

202 w Main St.
Salem IL, 62881

ATTN: Tim Priest

15-14s-32w Logan, KS

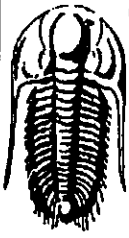
Ottley 7-15

Start Date: 2010.08.06 @ 20:55:43

End Date: 2010.08.07 @ 03:40:28

Job Ticket #: 37380 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespear Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

ATTN: Tim Priest

Job Ticket: 37380

DST#: 2

Test Start: 2010.08.06 @ 20:55:43

GENERAL INFORMATION:

Formation: Lansing 'C'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:49:58

Time Test Ended: 03:40:28

Test Type: Conventional Bottom Hole

Tester: Mike Slemp

Unit No: 53

Interval: 3851.00 ft (KB) To 3870.00 ft (KB) (TVD)

Reference Elevations: 2803.00 ft (KB)

Total Depth: 3870.00 ft (KB) (TVD)

2799.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 4.00 ft

Serial #: 8677

Inside

Press@RunDepth: 144.65 psig @ 3853.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.06

End Date: 2010.08.07

Last Calib.: 2010.08.07

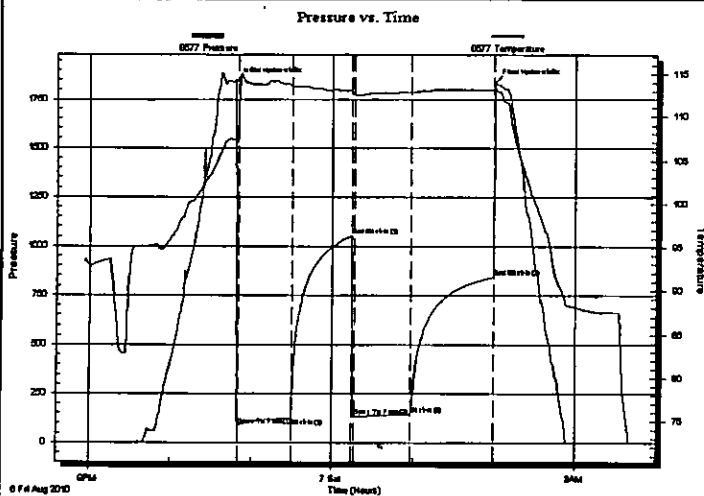
Start Time: 20:55:44

End Time: 03:40:28

Time On Btm: 2010.08.06 @ 22:47:58

Time Off Btm: 2010.08.07 @ 01:59:58

TEST COMMENT: IF: BOB in 13 min
IS: No blow back
FF: Weak building blow 2 inches in 45 min
FSt No blow back



PRESSURE SUMMARY

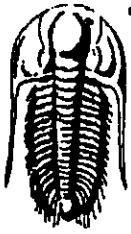
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.91	107.44	Initial Hydro-static
2	85.90	110.97	Open To Flow (1)
42	125.28	113.51	Shut-In (1)
86	1051.15	113.12	End Shut-In (1)
88	131.32	112.66	Open To Flow (2)
130	144.65	112.89	Shut-In (2)
191	841.41	113.25	End Shut-In (2)
192	1835.28	113.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
288.00	WCM 70% mud 30% water	2.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 37380

DST#: 2

ATTN: Tim Priest

Test Start: 2010.08.06 @ 20:55:43

Tool Information

Drill Pipe:	Length: 3738.00 ft	Diameter: 3.80 inches	Volume: 52.43 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 53.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3851.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3837.00	
Hydraulic tool	5.00			3842.00	
Packer	5.00			3847.00	19.00 Bottom Of Top Packer
Packer	4.00			3851.00	
Stubb	1.00			3852.00	
Perforations	1.00			3853.00	
Recorder	0.00	8677	Inside	3853.00	
Recorder	0.00	8678	Inside	3853.00	
Perforations	14.00			3867.00	
Bullnose	3.00			3870.00	19.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 37380

DST#: 2

ATTN: Tim Priest

Test Start: 2010.08.06 @ 20:55:43

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:

36000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
288.00	WCM 70% mud 30% water	2.910

Total Length: 288.00 ft

Total Volume: 2.910 bbl

Num Fluid Samples: 0

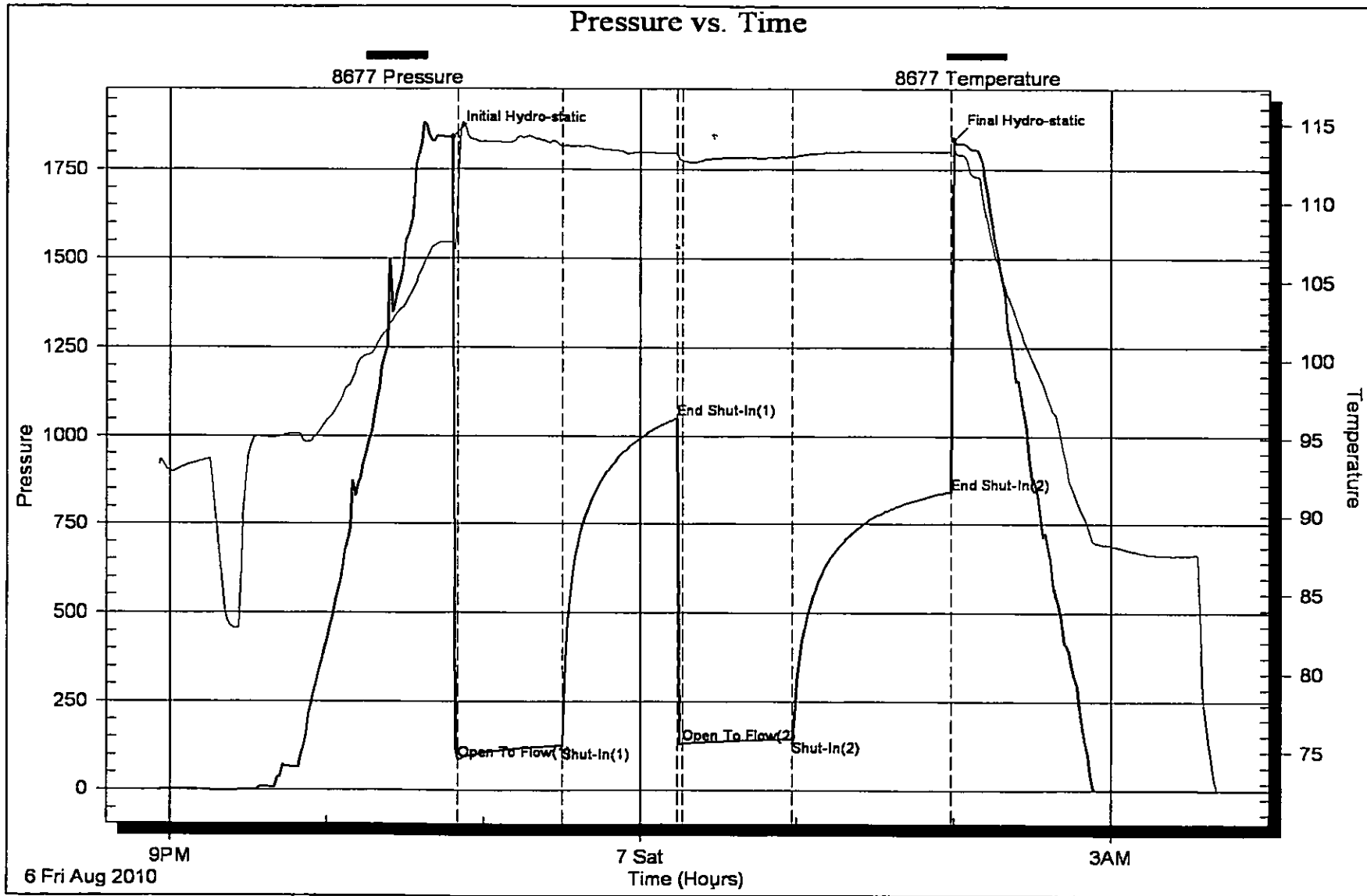
Num Gas Bombs: 0

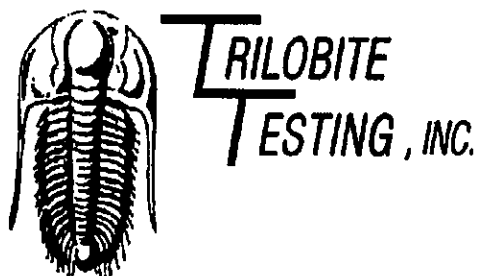
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co.**

202 w Main St.
Salem IL, 62881

ATTN: Tim Priest

15-14s-32w Logan, KS

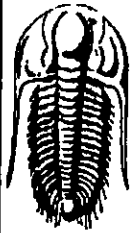
Ottley 7-15

Start Date: 2010.08.07 @ 17:28:05

End Date: 2010.08.07 @ 22:22:59

Job Ticket #: 39639 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 39639

DST#: 3

ATTN: Tim Priest

Test Start: 2010.08.07 @ 17:28:05

GENERAL INFORMATION:

Formation: **Lans. "H"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:54:30

Time Test Ended: 22:22:59

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **3963.00 ft (KB) To 4000.00 ft (KB) (TVD)**

Reference Elevations: **2803.00 ft (KB)**

Total Depth: **4000.00 ft (KB) (TVD)**

2799.00 ft (CF)

Hole Diameter: **7.78 inches** Hole Condition: **Good**

KB to GR/CF: **4.00 ft**

Serial #: **8322**

Inside

Press@RunDepth: **23.03 psig @ 3964.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.08.07**

End Date: **2010.08.07**

Last Calib.: **2010.08.07**

Start Time: **17:28:05**

End Time: **22:22:59**

Time On Btm: **2010.08.07 @ 18:54:15**

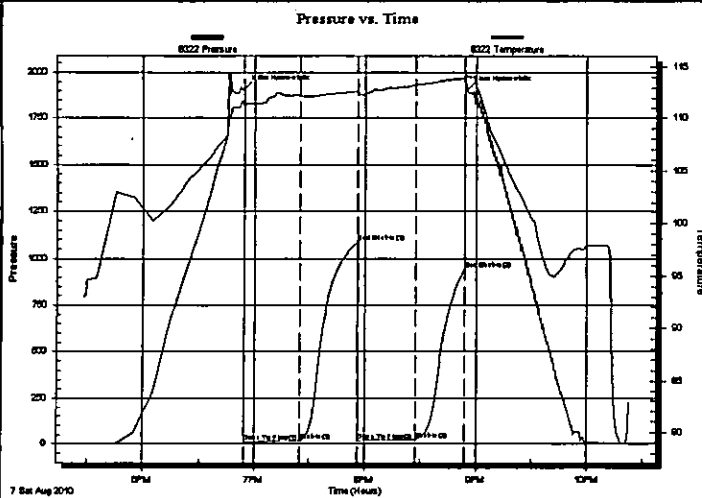
Time Off Btm: **2010.08.07 @ 20:54:45**

TEST COMMENT: **IF: Surface blow died in 5 mins.**

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

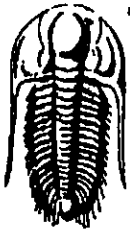
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.77	111.70	Initial Hydro-static
1	11.00	110.86	Open To Flow (1)
31	16.94	112.18	Shut-In(1)
62	1084.03	112.67	End Shut-In(1)
62	18.60	112.54	Open To Flow (2)
93	23.03	113.26	Shut-In(2)
120	939.38	113.86	End Shut-In(2)
121	1905.82	114.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mw / O spots 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem L, 62881

15-14s-32w Logan, KS

Job Ticket: 39639

DST#: 3

ATTN: Tim Priest

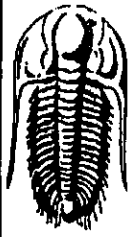
Test Start: 2010.08.07 @ 17:28:05

Tool Information

Drill Pipe:	Length: 3823.00 ft	Diameter: 3.80 inches	Volume: 53.63 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 128.00 ft	Diameter: 2.25 inches	Volume: 0.63 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3963.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3944.00	
Shut In Tool	5.00			3949.00	
Hydraulic tool	5.00			3954.00	
Packer	5.00			3959.00	20.00 - Bottom Of Top Packer
Packer	4.00			3963.00	
Stubb	1.00			3964.00	
Recorder	0.00	8322	Inside	3964.00	
Recorder	0.00	8166	Inside	3964.00	
Perforations	33.00			3997.00	
Bullnose	3.00			4000.00	37.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 39639

DST#: 3

ATTN: Tim Priest

Test Start: 2010.08.07 @ 17:28:05

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:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	Mw / O spots 100% _m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

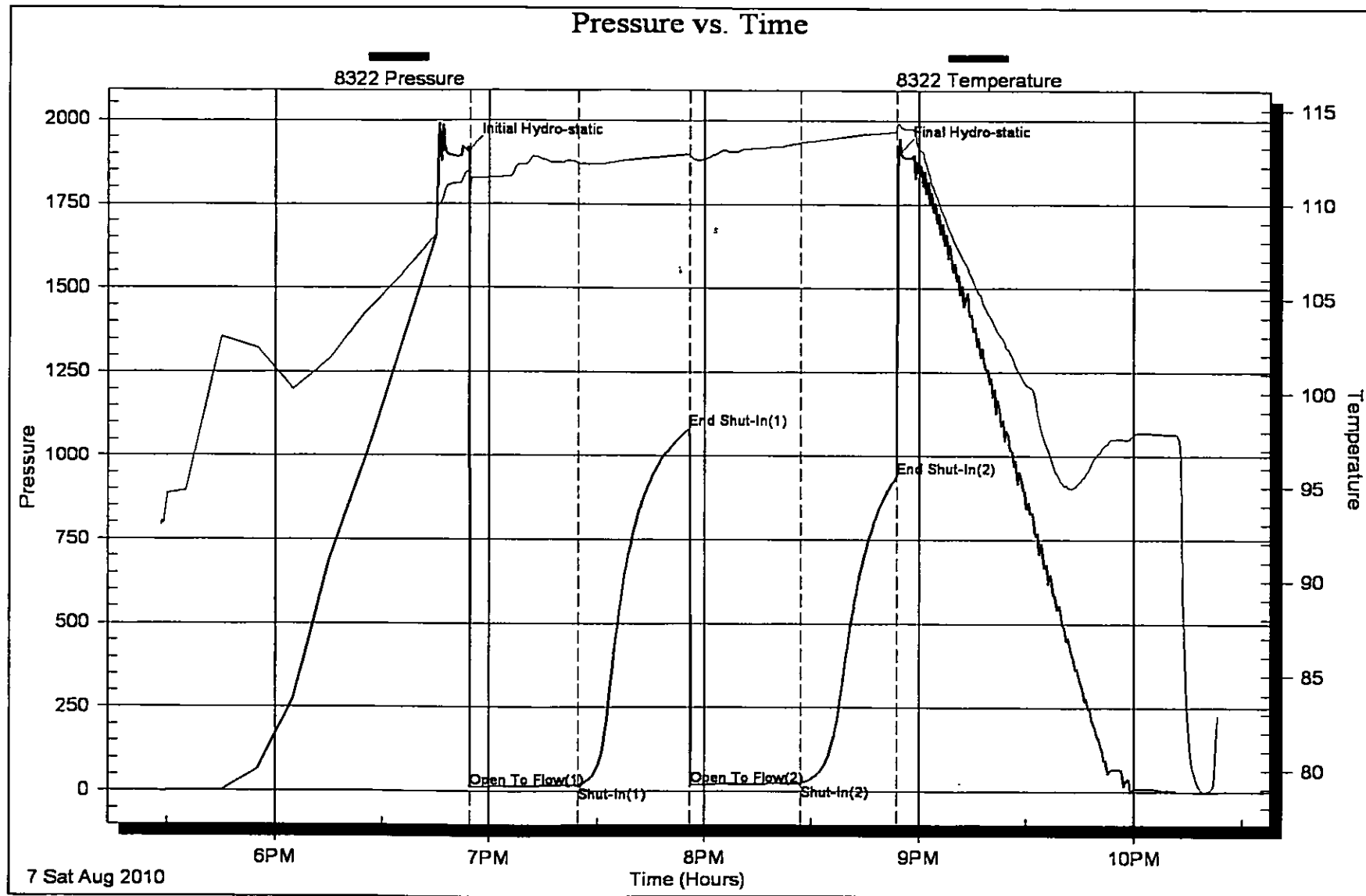
Num Gas Bombs: 0

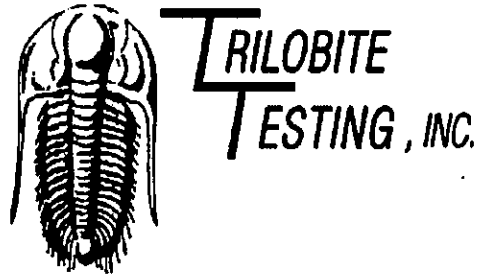
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co.**

202 w Main St.
Salem IL, 62881

ATTN: Tim Priest

15-14s-32w Logan, KS

Ottley 7-15

Start Date: 2010.08.08 @ 09:10:05

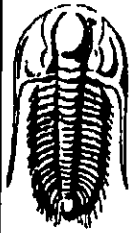
End Date: 2010.08.08 @ 14:16:44

Job Ticket #: 39640 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.
202 w Main St.
Salem IL, 62881
ATTN: Tim Priest

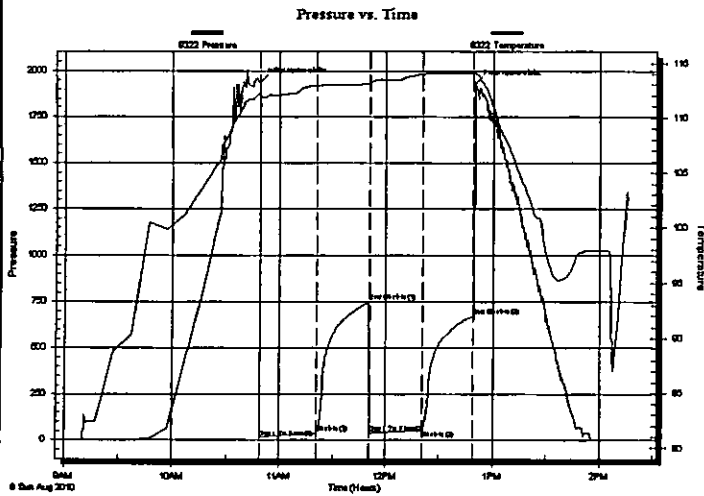
Ottley 7-15
15-14s-32w Logan, KS
Job Ticket: 39640 DST#: 4
Test Start: 2010.08.08 @ 09:10:05

GENERAL INFORMATION:

Formation: **Lans, I - J**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 10:49:15
Time Test Ended: 14:16:44
Interval: **4000.00 ft (KB) To 4060.00 ft (KB) (TVD)**
Total Depth: **4060.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Fair**
Reference Elevations: **2803.00 ft (KB)**
2799.00 ft (CF)
KB to GR/CF: **4.00 ft**
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **48**

Serial #: 8322 Inside
Press@RunDepth: **54.71 psig @ 4001.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2010.08.08** End Date: **2010.08.08** Last Calib.: **2010.08.08**
Start Time: **09:10:05** End Time: **14:16:44** Time On Btm: **2010.08.08 @ 10:49:00**
Time Off Btm: **2010.08.08 @ 12:50:00**

TEST COMMENT: IF: Built to 1 inch died back to 1/4 inch.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

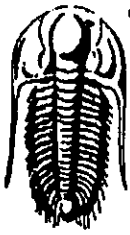
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1942.02	112.17	Initial Hydro-static
1	13.57	111.84	Open To Flow (1)
33	37.33	112.96	Shut-In(1)
62	751.18	113.12	End Shut-In(1)
63	39.69	113.05	Open To Flow (2)
92	54.71	114.02	Shut-In(2)
120	671.58	114.13	End Shut-In(2)
121	1933.31	114.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	M 100% m	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem L., 62881

15-14s-32w Logan, KS

Job Ticket: 39640

DST#: 4

ATTN: Tim Priest

Test Start: 2010.08.08 @ 09:10:05

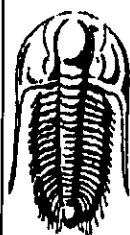
Tool Information

Drill Pipe:	Length: 3860.00 ft	Diameter: 3.80 inches	Volume: 54.15 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 128.00 ft	Diameter: 2.25 inches	Volume: 0.63 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 54.78 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4000.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3981.00	
Shut In Tool	5.00			3986.00	
Hydraulic tool	5.00			3991.00	
Packer	5.00			3996.00	20.00 Bottom Of Top Packer
Packer	4.00			4000.00	
Stubb	1.00			4001.00	
Recorder	0.00	8322	inside	4001.00	
Recorder	0.00	8166	inside	4001.00	
Perforations	22.00			4023.00	
Change Over Sub	1.00			4024.00	
Drill Pipe	32.00			4056.00	
Change Over Sub	1.00			4057.00	
Bullnose	3.00			4060.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 39640

DST#: 4

ATTN: Tim Priest

Test Start: 2010.08.08 @ 09:10:05

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: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	M 100% m	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

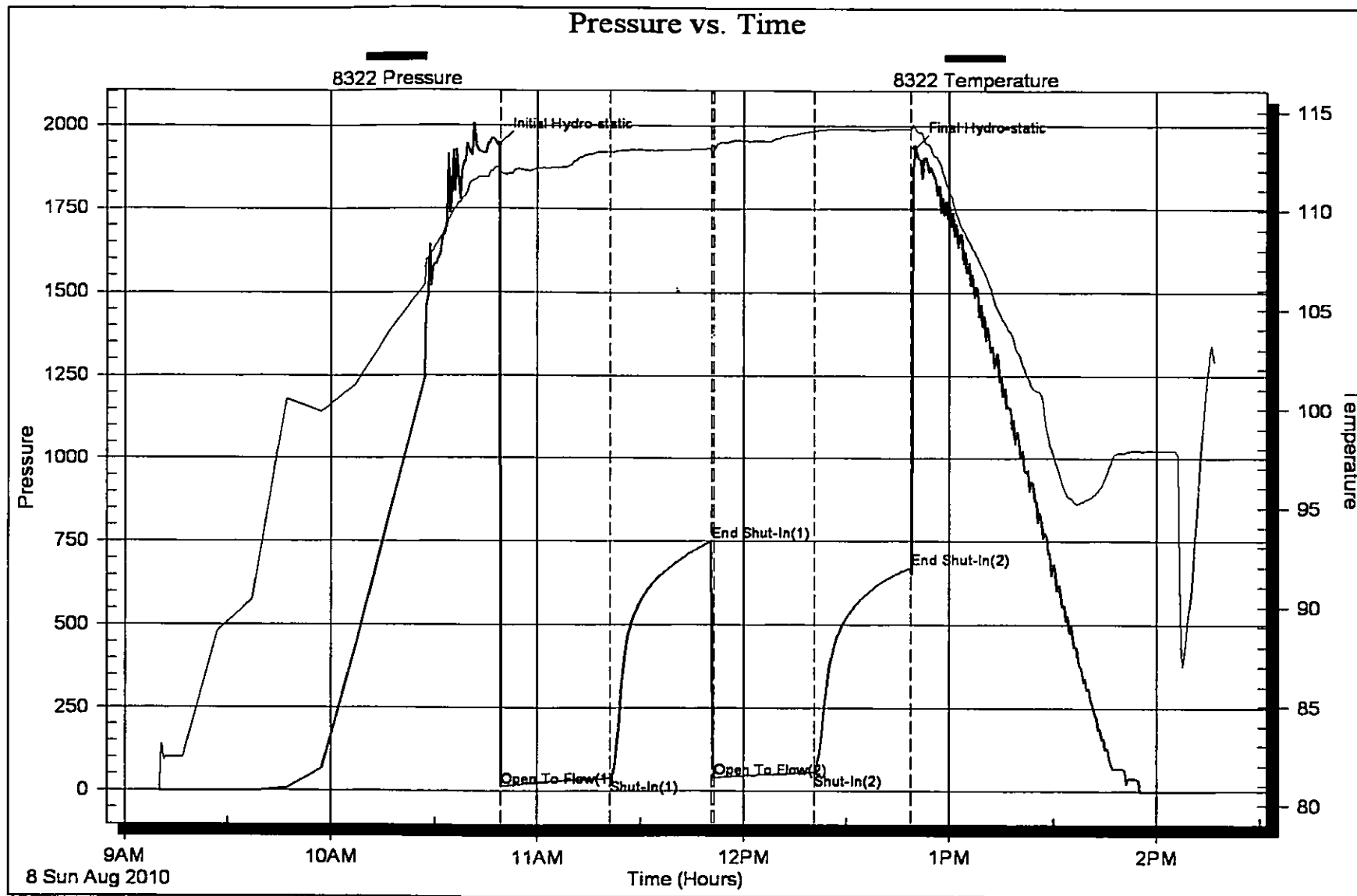
Num Gas Bombs: 0

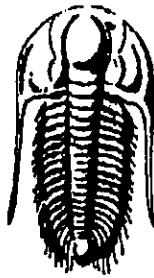
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co.**

202 w Main St.
Salem IL, 62881

ATTN: Tim Priest

15-14s-32w Logan, KS

Ottley 7-15

Start Date: 2010.08.08 @ 21:55:05

End Date: 2010.08.09 @ 05:28:44

Job Ticket #: 39641 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespeare Oil Co.

Ottley 7-15

15-14s-32w Logan, KS

DST # 5

Lans K

2010.08.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 39641

DST#: 5

ATTN: Tim Priest

Test Start: 2010.08.08 @ 21:55:05

GENERAL INFORMATION:

Formation: **Lans K**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 23:46:30

Time Test Ended: 05:28:44

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **4057.00 ft (KB) To 4098.00 ft (KB) (TVD)**

Reference Elevations: **2803.00 ft (KB)**

Total Depth: **4098.00 ft (KB) (TVD)**

2799.00 ft (CF)

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

KB to GR/CF: **4.00 ft**

Serial #: **8322**

Inside

Press@RunDepth: **109.87 psig @ 4058.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.08.08**

End Date:

2010.08.09

Last Calib.: **2010.08.09**

Start Time: **21:55:05**

End Time:

05:28:44

Time On Btm: **2010.08.08 @ 23:45:45**

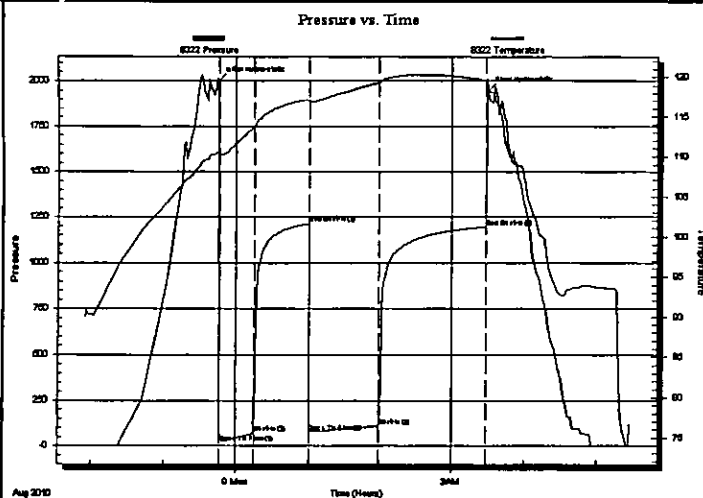
Time Off Btm: **2010.08.09 @ 03:30:30**

TEST COMMENT: IF: Built to 2 1/2 inches.

IS: No return.

FF: Built to 2 inches died back to 1 inch.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2002.79	110.57	Initial Hydro-static
1	19.87	110.32	Open To Flow (1)
29	70.54	113.73	Shut-in(1)
75	1213.98	117.19	End Shut-in(1)
76	77.05	116.98	Open To Flow (2)
134	109.87	119.34	Shut-in(2)
224	1196.74	119.65	End Shut-in(2)
225	1950.35	118.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100%m	0.15
190.00	MCW 70%w 30%m	1.77

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 39641

DST#: 5

ATTN: Tim Priest

Test Start: 2010.08.08 @ 21:55:05

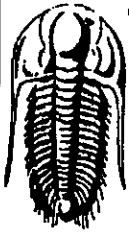
Tool Information

Drill Pipe:	Length: 3920.00 ft	Diameter: 3.80 inches	Volume: 54.99 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 128.00 ft	Diameter: 2.25 inches	Volume: 0.63 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 55.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4057.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4038.00	
Shut In Tool	5.00			4043.00	
Hydraulic tool	5.00			4048.00	
Packer	5.00			4053.00	20.00 Bottom Of Top Packer
Packer	4.00			4057.00	
Stubb	1.00			4058.00	
Recorder	0.00	8322	inside	4058.00	
Recorder	0.00	8166	inside	4058.00	
Perforations	4.00			4062.00	
Change Over Sub	1.00			4063.00	
Drill Pipe	31.00			4094.00	
Change Over Sub	1.00			4095.00	
Bullnose	3.00			4098.00	41.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 39641

DST#: 5

ATTN: Tim Priest

Test Start: 2010.08.08 @ 21:55:05

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:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	M 100%m	0.148
190.00	MCW 70%w 30%m	1.772

Total Length: 220.00 ft

Total Volume: 1.920 bbl

Num Fluid Samples: 0

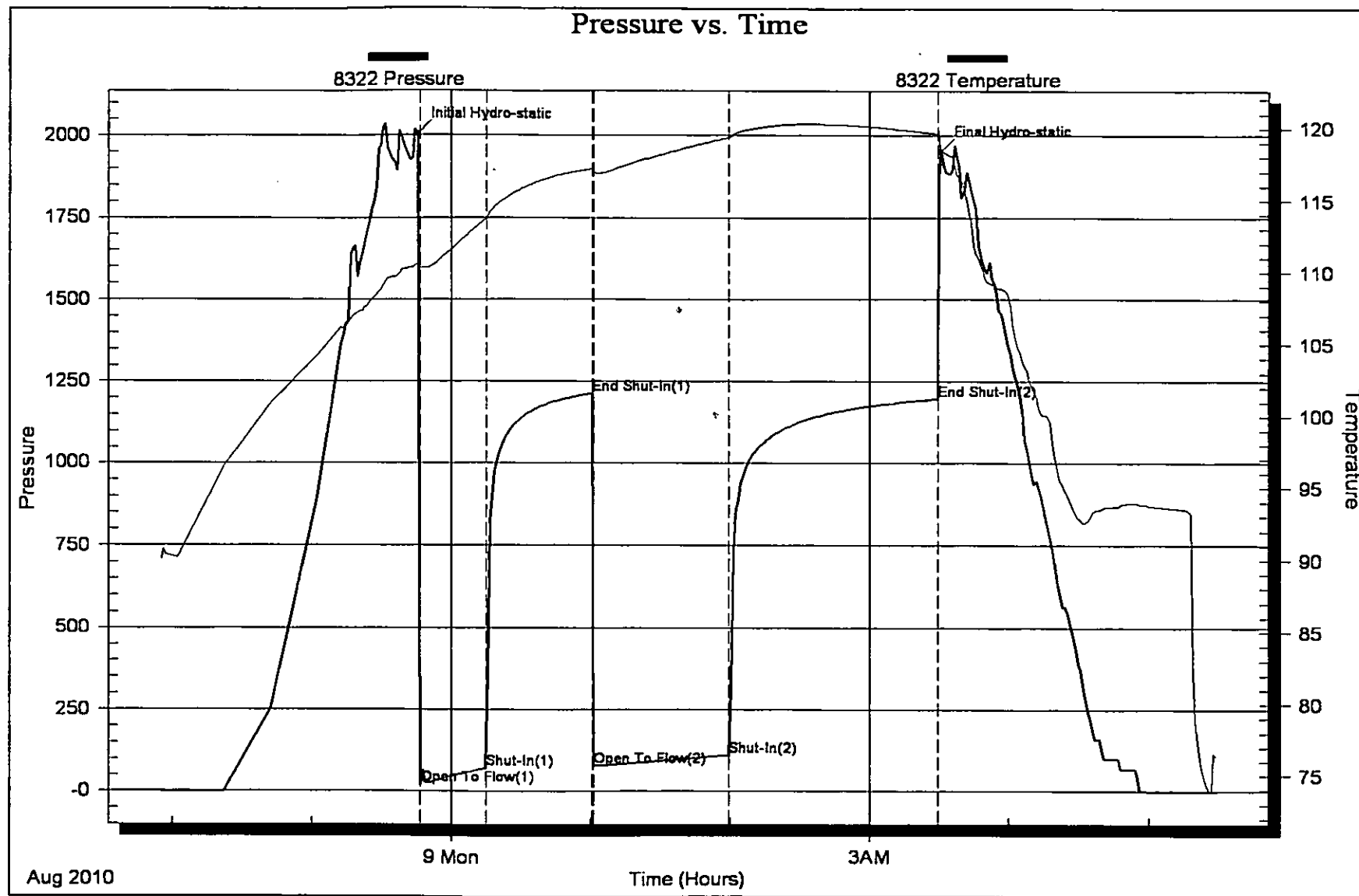
Num Gas Bombs: 0

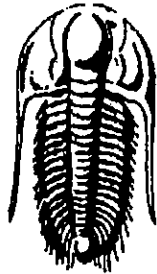
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .225 @ 70F





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co.**

202 w Main St.
Salem IL, 62881

ATTN: Tim Priest

15-14s-32w Logan, KS

Ottley 7-15

Start Date: 2010.08.09 @ 12:07:05

End Date: 2010.08.09 @ 18:28:29

Job Ticket #: 3642 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shakespear Oil Co.

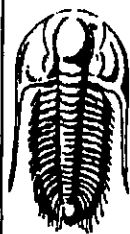
Ottley 7-15

15-14s-32w Logan, KS

DST # 6

Lans, L

2010.08.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

ATTN: Tim Priest

Job Ticket: 3642

DST#: 6

Test Start: 2010.08.09 @ 12:07:05

GENERAL INFORMATION:

Formation: **Lans, L**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 13:29:30

Time Test Ended: 18:28:29

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **4092.00 ft (KB) To 4130.00 ft (KB) (TVD)**

Total Depth: **4130.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2803.00 ft (KB)**

2799.00 ft (CF)

KB to GR/CF: **4.00 ft**

Serial #: **8322**

Inside

Press@RunDepth: **1327.40 psig @ 4093.00 ft (KB)**

Start Date: **2010.08.09**

End Date:

2010.08.09

Capacity: **8000.00 psig**

Last Calib.: **2010.08.09**

Start Time: **12:07:05**

End Time:

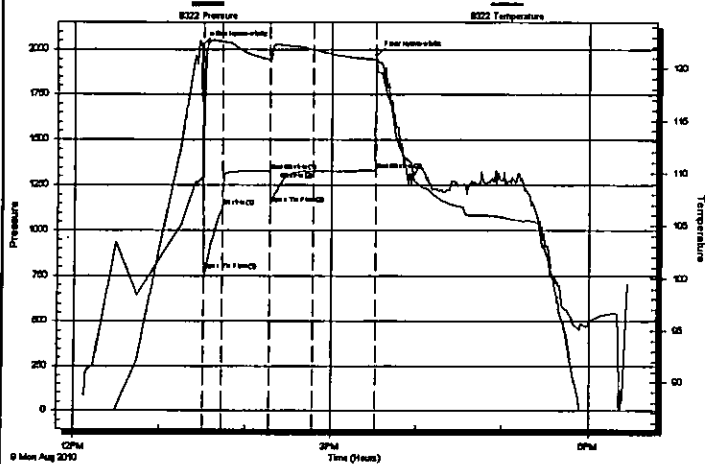
18:28:29

Time On Btm: **2010.08.09 @ 13:28:45**

Time Off Btm: **2010.08.09 @ 15:31:15**

TEST COMMENT: IF: BOB in 1 min
IS: Built to surface blow
FF: BOB in 1 min
FS: 1/4 in blow died in 12 mins

Pressure vs. Time



PRESSURE SUMMARY

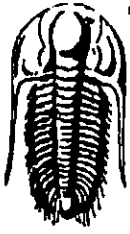
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.22	109.44	Initial Hydro-static
1	779.31	110.12	Open To Flow (1)
15	1130.90	122.53	Shut-In(1)
48	1328.81	120.85	End Shut-In(1)
49	1148.04	120.77	Open To Flow (2)
79	1327.40	121.84	Shut-In(2)
122	1329.79	120.88	End Shut-In(2)
123	1972.44	120.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100%m	0.15
2570.00	SMCW 95%w 5%m	35.16
220.00	WCM 20%w 80%m	3.09

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 3642

DST#: 6

ATTN: Tim Priest

Test Start: 2010.08.09 @ 12:07:05

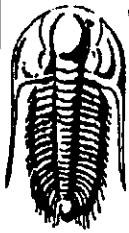
Tool Information

Drill Pipe:	Length: 3951.00 ft	Diameter: 3.80 inches	Volume: 55.42 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 128.00 ft	Diameter: 2.25 inches	Volume: 0.63 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 56.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4092.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4073.00	
Shut In Tool	5.00			4078.00	
Hydraulic tool	5.00			4083.00	
Packer	5.00			4088.00	20.00 Bottom Of Top Packer
Packer	4.00			4092.00	
Stubb	1.00			4093.00	
Recorder	0.00	8322	Inside	4093.00	
Recorder	0.00	8166	Inside	4093.00	
Perforations	34.00			4127.00	
Bullnose	3.00			4130.00	38.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem L, 62881

15-14s-32w Logan, KS

Job Ticket: 3642

DST#: 6

ATTN: Tim Priest

Test Start: 2010.08.09 @ 12:07:05

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:

62000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.55 in³

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
30.00	M 100%m	0.148
2570.00	SMCW 95%w 5%m	35.158
220.00	WCM 20%w 80%m	3.086

Total Length: 2820.00 ft

Total Volume: 38.392 bbl

Num Fluid Samples: 0

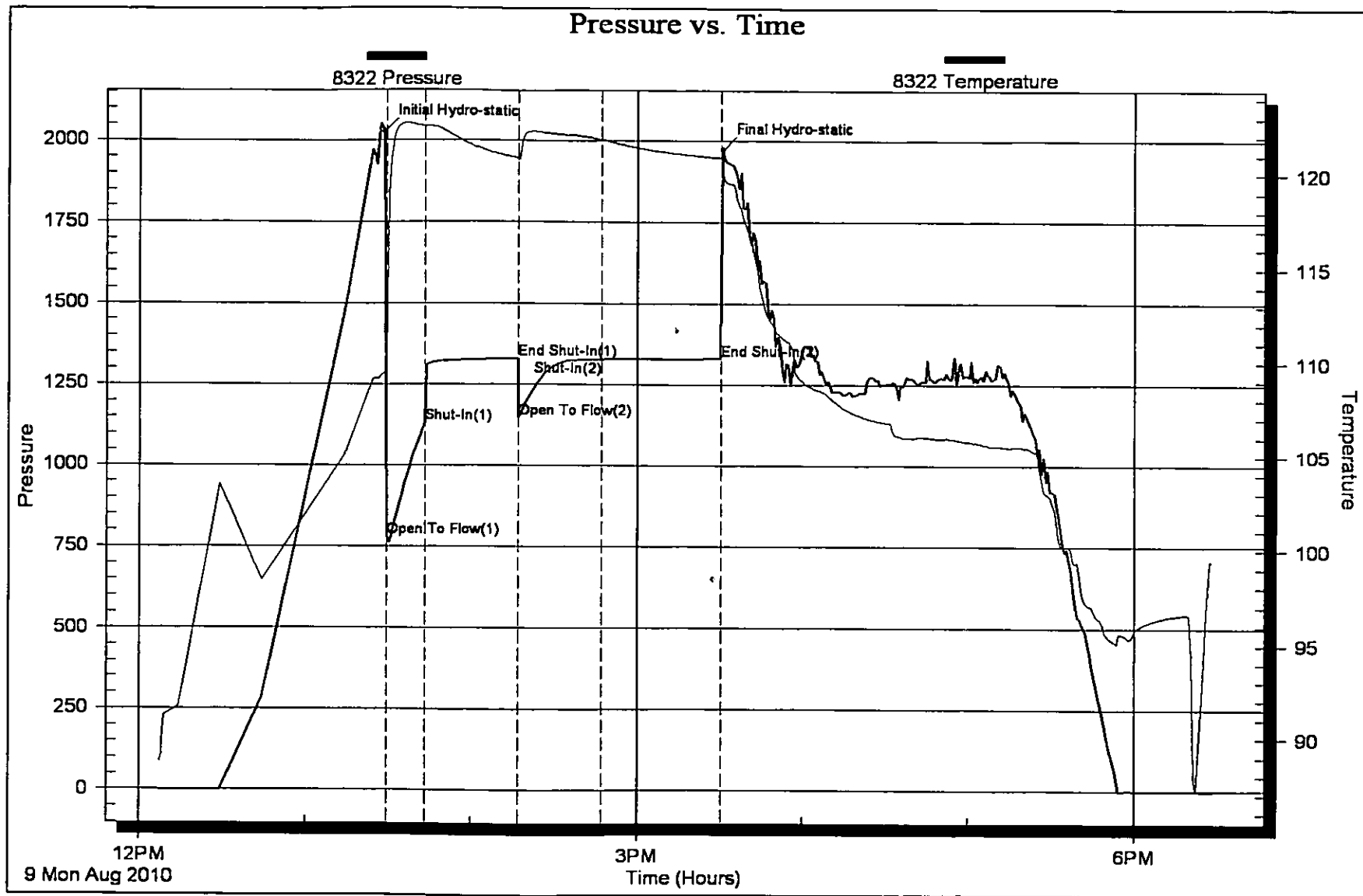
Num Gas Bombs: 0

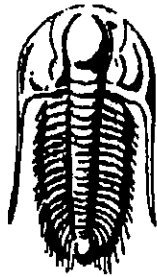
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW + .107 @ 62F





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co.**

202 w Main St.
Salem IL, 62881

ATTN: Tim Priest

15-14s-32w Logan, KS

Ottley 7-15

Start Date: 2010.08.10 @ 22:15:05

End Date: 2010.08.11 @ 04:10:59

Job Ticket #: 39643 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

ATTN: Tim Priest

Job Ticket: 39643

DST#: 7

Test Start: 2010.08.10 @ 22:15:05

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 00:09:15

Time Test Ended: 04:10:59

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **48**

Interval: **4356.00 ft (KB) To 4416.00 ft (KB) (TVD)**

Reference Elevations: **2803.00 ft (KB)**

Total Depth: **4416.00 ft (KB) (TVD)**

2799.00 ft (CF)

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

KB to GR/CF: **4.00 ft**

Serial #: **8322**

Inside

Press@RunDepth: **27.95 psig @ 4357.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.08.10**

End Date: **2010.08.11**

Last Calib.: **2010.08.11**

Start Time: **22:15:05**

End Time: **04:10:59**

Time On Btm: **2010.08.11 @ 00:08:30**

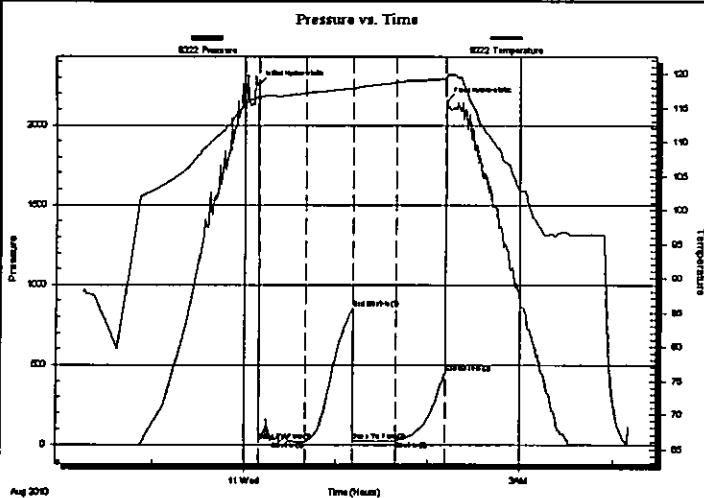
Time Off Btm: **2010.08.11 @ 02:11:45**

TEST COMMENT: IF: 1/4 inch died in 10 mins.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

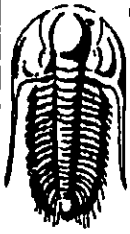
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2256.42	116.74	Initial Hydro-static
1	26.58	116.44	Open To Flow (1)
32	23.97	117.26	Shut-In (1)
62	852.54	117.96	End Shut-In (1)
63	23.73	117.88	Open To Flow (2)
91	27.95	118.88	Shut-In (2)
123	454.44	119.31	End Shut-In (2)
124	2152.52	119.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mw / O spots 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co.

Ottley 7-15

202 w Main St.
Salem L, 62881

15-14s-32w Logan, KS

Job Ticket: 39643

DST#: 7

ATTN: Tim Priest

Test Start: 2010.08.10 @ 22:15:05

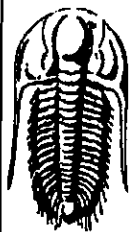
Tool Information

Drill Pipe:	Length: 4238.00 ft	Diameter: 3.80 inches	Volume: 59.45 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 128.00 ft	Diameter: 2.25 inches	Volume: 0.63 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4356.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4337.00	
Shut In Tool	5.00			4342.00	
Hydraulic tool	5.00			4347.00	
Packer	5.00			4352.00	20.00 Bottom Of Top Packer
Packer	4.00			4356.00	
Stubb	1.00			4357.00	
Recorder	0.00	8322	Inside	4357.00	
Recorder	0.00	8166	Inside	4357.00	
Perforations	22.00			4379.00	
Change Over Sub	1.00			4380.00	
Drill Pipe	32.00			4412.00	
Change Over Sub	1.00			4413.00	
Bullnose	3.00			4416.00	60.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co.

Ottley 7-15

202 w Main St.
Salem IL, 62881

15-14s-32w Logan, KS

Job Ticket: 39643

DST#: 7

ATTN: Tim Priest

Test Start: 2010.08.10 @ 22:15:05

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.35 in³

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
5.00	Mw / O spots 100% _m	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:

