

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

11/2/10

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: HD Drilling, LLC
License: 33935
Wellsite Geologist: Tim Priest

KCC
NOV 02 2010
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. _____
9/29/10 10/12/10 10/13/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 171-20777-0000
County: Scott
SE SW NE SE Sec. 23 Twp. 16 S. R. 34 East West
1600 feet from (S) / N (circle one) Line of Section
700 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Koehn Well #: 1-23
Field Name: Wildcat
Producing Formation: N/A
Elevation: Ground: 3112' Kelly Bushing: 3122'
Total Depth: 4900' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 351' 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 PA-11-15-10
(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: 10/15/10
Subscribed and sworn to before me this 15th day of October,
2010.
Notary Public: Melissa A. Noel
Date Commission Expires: 11-6-11

KCC Office Use ONLY
 Letter of Confidentiality Received 11/2/10 - 11/2/12
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
NOV 05 2010

OFFICIAL SEAL
MELISSA A. NOEL
Notary Public, State of Illinois
My Commission Expires 11-06-11

KCC WICHITA

Operator Name: Shakespeare Oil Company, Inc. Lease Name: Koehn Well #: 1-23
 Sec. 23 Twp. 16 S. R. 34 East West County: Scott

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 <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 <i>(Submit Copy)</i> List All E. Logs Run: Array Ind, CNL/CDL/ML, Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Geological Report
---	---

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#	351'	Class A	240	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 <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, Resumerd Production, SWD or Enhr.			Producing Method				
			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>				
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity		

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled _____
(If vented, Submit ACO-18.) Other *(Specify)* _____



PO BOX 31 Russell, KS 67665

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

KCC
NOV 02 2010
CONFIDENTIAL

INVOICE

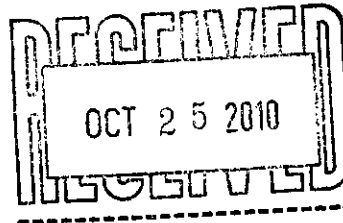
Invoice Number: 124859
Invoice Date: Oct 12, 2010
Page: 1

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	Koehn #1-23	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Oct 12, 2010	11/11/10

Quantity	Item	Description	Unit Price	Amount
162.00	MAT	Class A Common	15.45	2,502.90
108.00	MAT	Pozmix	8.00	864.00
9.00	MAT	Gel	20.80	187.20
68.00	MAT	Flo Seal	2.50	170.00
282.00	SER	Handling	2.40	676.80
45.00	SER	Mileage 282 sx @.10 per sk per mi	28.20	1,269.00
1.00	SER	Plug to Abandon	1,185.00	1,185.00
45.00	SER	Pump Truck Mileage	7.00	315.00



<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>\$ <u>1433.98</u></p> <p>ONLY IF PAID ON OR BEFORE</p> <p>Nov 6, 2010</p>	Subtotal	7,169.90
	Sales Tax	523.40
	Total Invoice Amount	7,693.30
	Payment/Credit Applied	
	TOTAL	7,693.30

RECEIVED
NOV 05 2010
KCC WICHITA

ALLIED CEMENTING CO., LLC. 035485

KCC

NOV 02 2010

CONFIDENTIAL

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

SERVICE POINT:

Oakley, K

DATE <i>10/2/10</i>	SEC. <i>26</i>	TWP. <i>16</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>2:00p</i>	JOB FINISH <i>2:30p</i>
LEASE <i>Koehn</i>	WELL # <i>123</i>	LOCATION <i>Rence 3E 15 W a N 20</i>			COUNTY <i>Scott</i>	STATE <i>K</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *H D #2*

TYPE OF JOB *PTA*

HOLE SIZE *2 7/8* T.D.

CASING SIZE *8 7/8* 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 *270 SK, 60/40*
40 bags 14 1/2 Pro Seal

COMMON	<i>162</i>	@ <i>15.45</i>	<i>2502.90</i>
POZMIX	<i>108</i>	@ <i>8.00</i>	<i>864.00</i>
GEL	<i>9</i>	@ <i>20.80</i>	<i>187.20</i>
CHLORIDE		@	
ASC		@	
		@	
		@	
<i>Pro Seal</i>	<i>68</i>	@ <i>2.50</i>	<i>170.00</i>

RECEIVED
NOV 05 2010
KCC WICHITA

HANDLING *280* @ *626.00*

MILEAGE *12 3/4 mile* @ *1269.00*

EQUIPMENT

PUMP TRUCK CEMENTER *Alan*

422 HELPER *Wynn*

BULK TRUCK DRIVER *Darren*

376 DRIVER

BULK TRUCK DRIVER

#

RECEIVED
NOV 05 2010
KCC WICHITA



PO BOX 31 Russell, KS 67665

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

KCC
 NOV 02 2010
 CONFIDENTIAL

INVOICE

Invoice Number: 124648
 Invoice Date: Sep 29, 2010
 Page: 1

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	Koehn #1-23	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 29, 2010	10/29/10

Quantity	Item	Description	Unit Price	Amount
240.00	MAT	Class A Common	15.45	3,708.00
5.00	MAT	Gel	20.80	104.00
9.00	MAT	Chloride	58.20	523.80
254.00	SER	Handling	2.40	609.60
40.00	SER	Mileage 254 sx @ .10 per sk per mi	25.40	1,016.00
1.00	SER	Surface	1,018.00	1,018.00
40.00	SER	Pump Truck Mileage	7.00	280.00

Corrected discount

RECEIVED
 OCT 18 2010
 RECEIVED

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

\$ 1451.88

ONLY IF PAID ON OR BEFORE

Oct 24, 2010

Subtotal	7,259.40
Sales Tax	316.51
Total Invoice Amount	7,575.91
Payment/Credit Applied	
TOTAL	7,575.91

RECEIVED
 NOV 05 2010
 KCC WICHITA

ALLIED CEMENTING CO., LLC. 035120A

KCC

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

NOV 02 2010

SERVICE POINT: DAKLEY

CONFIDENTIAL

DATE <u>9-29-10</u>	SEC. <u>23</u>	TWP. <u>16S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>10.00</u>	JOB START <u>11:50PM</u>	JOB FINISH <u>12:00AM</u>
LEASE <u>ROEHN</u>	WELL # <u>1-27</u>	LOCATION <u>PENCE 2 1/2 E - 3/4 S - W 1/4</u>	COUNTY <u>SCOTT</u>	STATE <u>KS</u>			

OLD OR NEW (Circle one)

CONTRACTOR H-O RIG # 2

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 354'

CASING SIZE 8 3/8" DEPTH 354'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 2 1/2 BBLs

OWNER SAME

CEMENT AMOUNT ORDERED 240 SKS COM 3% CC 2 1/2 GEL

COMMON	<u>240</u>	@	<u>15 1/2</u>	<u>3708 00</u>
POZMIX		@		
GEL	<u>5 SKS</u>	@	<u>20 80</u>	<u>104 80</u>
CHLORIDE	<u>9 SKS</u>	@	<u>58 32</u>	<u>523 80</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>254 SKS</u>	@	<u>2 40</u>	<u>609 60</u>
MILEAGE	<u>104 PER SK / MILE</u>			<u>1016 40</u>
TOTAL				<u>5961 40</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

431 HELPER KELLY

BULK TRUCK DRIVER LARENSE

396

BULK TRUCK DRIVER

#

REMARKS:

Cement did CIRC.

THANK YOU

CHARGE TO: SHAKE SPEARE OIL & GAS

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>354</u>		
PUMP TRUCK CHARGE			<u>1018 00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>40 ME</u>	@	<u>7 00</u> <u>280 00</u>
MANIFOLD		@	
		@	
		@	

TOTAL 1298 00

PLUG & FLOAT EQUIPMENT

RECEIVED

NOV 05 2010

KCC WICHITA

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment
I furnish cementer and helper(s) to assist owner or

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

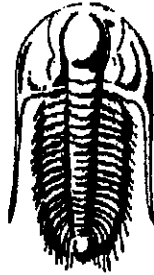
SIGNATURE Doug Robert

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 Main Street
Salem IL 62881

ATTN: Tim Priest

23-16-34 Scott,KS

Koehn #1-23

Start Date: 2010.10.06 @ 04:05:03

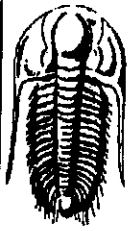
End Date: 2010.10.06 @ 10:27:33

Job Ticket #: 37396 DST #: 1

**KCC
NOV 02 2010
CONFIDENTIAL**

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

**RECEIVED
NOV 05 2010
KCC WICHITA**



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 37396

DST#: 1

ATTN: Tim Priest

Test Start: 2010.10.06 @ 04:05:03

GENERAL INFORMATION:

Formation: **LKC 'H'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:41:18

Time Test Ended: 10:27:33

Test Type: Conventional Bottom Hole

Tester: Mike Slemp

Unit No: 53

Interval: **4207.00 ft (KB) To 4243.00 ft (KB) (TVD)**

Reference Elevations: 3122.00 ft (KB)

Total Depth: 4243.00 ft (KB) (TVD)

3112.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8677

Inside

Press@RunDepth: 903.70 psig @ 4209.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.06

End Date: 2010.10.06

Last Calib.: 2010.10.06

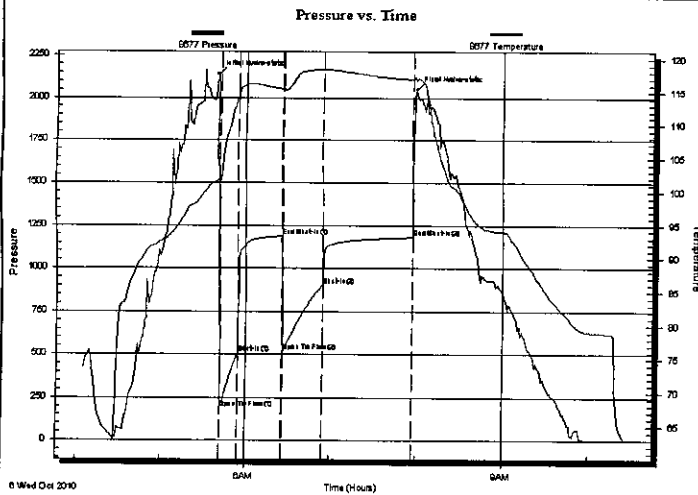
Start Time: 04:05:04

End Time: 10:27:33

Time On Btm: 2010.10.06 @ 05:39:18

Time Off Btm: 2010.10.06 @ 07:59:18

TEST COMMENT: IF- BOB in 2 min
IS- No blow back
FF- Built to 12 inches in 15 min, died back to 6 inches
FSI- No blow back



PRESSURE SUMMARY

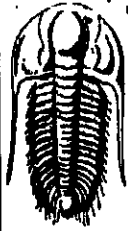
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.67	101.64	Initial Hydro-static
2	185.38	101.63	Open To Flow (1)
15	507.31	114.56	Shut-In(1)
46	1186.28	115.51	End Shut-In(1)
47	520.85	115.29	Open To Flow (2)
75	903.70	118.38	Shut-In(2)
138	1180.19	116.97	End Shut-In(2)
140	2049.89	116.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1940.00	100% water	26.09

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.
202 Main Street
Salem IL 62881
ATTN: Tim Priest

Koehn #1-23
23-16-34 Scott, KS
Job Ticket: 37396 **DST#: 1**
Test Start: 2010.10.06 @ 04:05:03

Tool Information

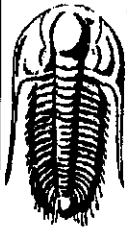
Drill Pipe:	Length: 4078.00 ft	Diameter: 3.80 inches	Volume: 57.20 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4207.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	62.00 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			4186.00	
Hydraulic tool	5.00			4191.00	
Jars	5.00			4196.00	
Safety Joint	2.00			4198.00	
Packer	5.00			4203.00	26.00 Bottom Of Top Packer
Packer	4.00			4207.00	
Stubb	1.00			4208.00	
Perforations	1.00			4209.00	
Recorder	0.00	8677	Inside	4209.00	
Recorder	0.00	8678	Inside	4209.00	
Perforations	31.00			4240.00	
Bullnose	3.00			4243.00	36.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 37396

DST#: 1

ATTN: Tim Priest

Test Start: 2010.10.06 @ 04:05:03

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1940.00	100%w ater	26.093

Total Length: 1940.00 ft

Total Volume: 26.093 bbl

Num Fluid Samples: 0

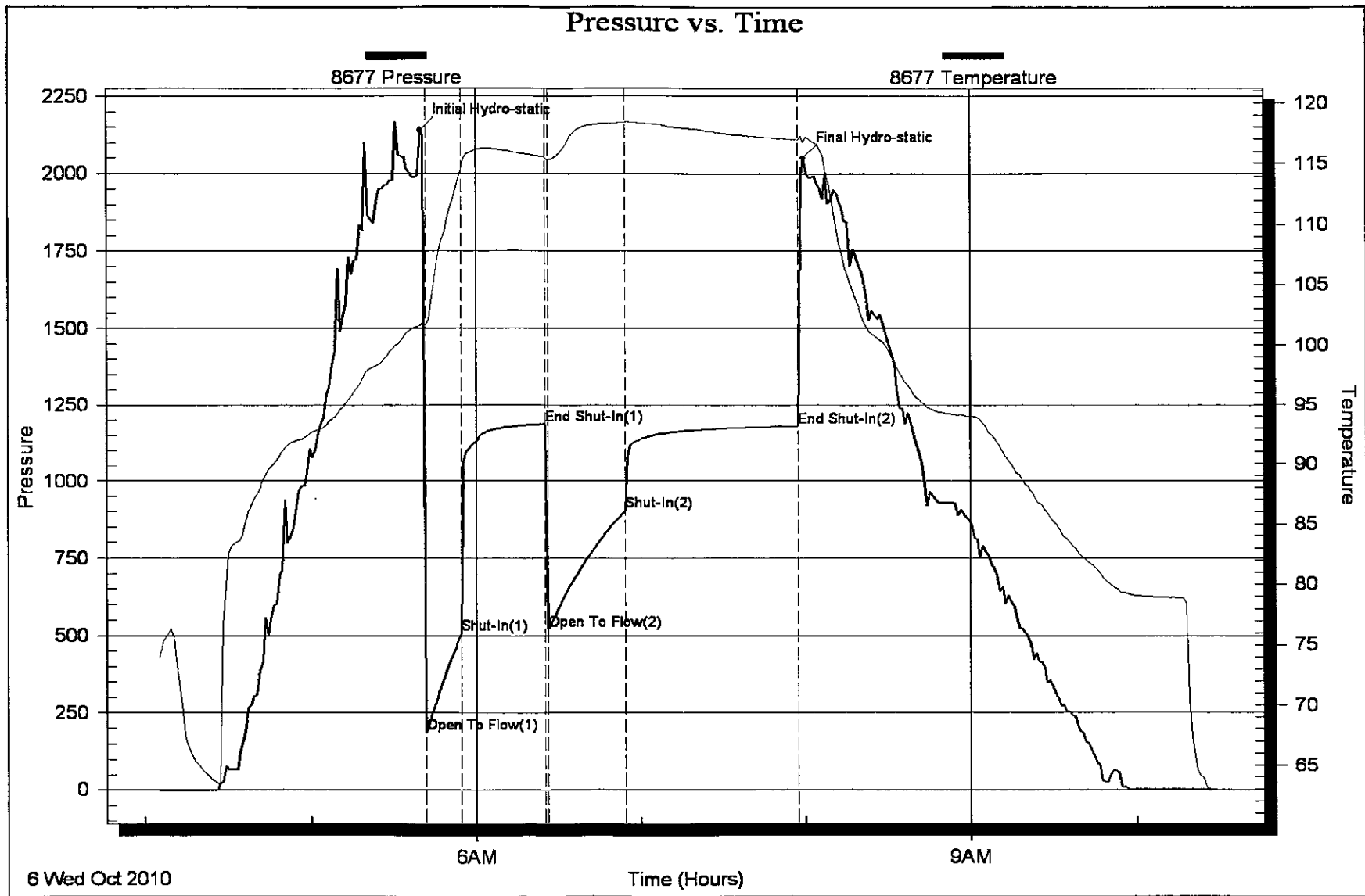
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 Main Street
Salem IL 62881

ATTN: Tim Priest

23-16-34 Scott,KS

Koehn #1-23

Start Date: 2010.10.06 @ 23:38:15

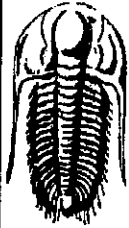
End Date: 2010.10.07 @ 07:23:30

Job Ticket #: 38366 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

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38366

DST#: 2

ATTN: Tim Priest

Test Start: 2010.10.06 @ 23:38:15

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 01:48:15
 Time Test Ended: 07:23:30

Test Type: **Conventional Bottom Hole**
 Tester: **Mike Roberts**
 Unit No: **48**

Interval: **4268.00 ft (KB) To 4306.00 ft (KB) (TVD)**
 Total Depth: **4306.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3122.00 ft (KB)**
3112.00 ft (CF)
 KB to GR/CF: **10.00 ft**

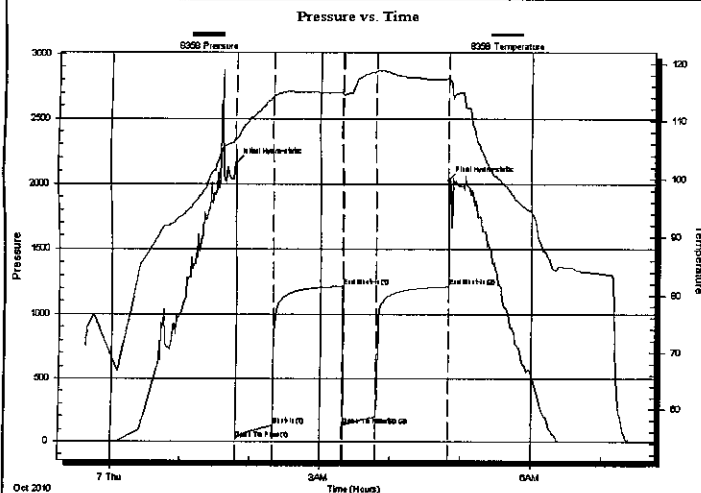
Serial #: 8358

Inside

Press@RunDepth: **196.43 psig @ 4269.00 ft (KB)**
 Start Date: **2010.10.06** End Date: **2010.10.07**
 Start Time: **23:38:15** End Time: **07:23:30**

Capacity: **8000.00 psig**
 Last Calib.: **2010.10.07**
 Time On Btm: **2010.10.07 @ 01:48:00**
 Time Off Btm: **2010.10.07 @ 04:49:30**

TEST COMMENT: IF:BOB in 26 min
 IS:No return blow
 FF:Buit to 8" blow
 FS:No return blow



PRESSURE SUMMARY

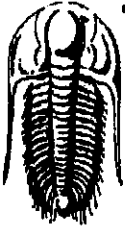
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.87	107.06	Initial Hydro-static
1	25.01	106.68	Open To Flow (1)
32	128.23	114.24	Shut-In(1)
92	1215.54	114.86	End Shut-In(1)
92	130.18	114.59	Open To Flow (2)
120	196.43	118.61	Shut-In(2)
182	1212.24	117.36	End Shut-In(2)
182	2026.15	117.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
440.00	mcw 5% m 95 %sw	5.04
124.00	mw 40%w 60 %m	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38366

DST#: 2

ATTN: Tim Priest

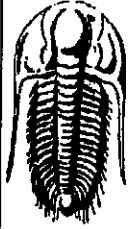
Test Start: 2010.10.06 @ 23:38:15

Tool Information

Drill Pipe:	Length: 4135.00 ft	Diameter: 3.80 inches	Volume: 58.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 58.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4268.00 ft			Final 73000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4249.00	
Shut In Tool	5.00			4254.00	
Hydraulic tool	5.00			4259.00	
Packer	5.00			4264.00	20.00 Bottom Of Top Packer
Packer	4.00			4268.00	
Stubb	1.00			4269.00	
Recorder	0.00	8322	Inside	4269.00	
Recorder	0.00	8358	Inside	4269.00	
Perforations	35.00			4304.00	
Bullnose	2.00			4306.00	38.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott, KS

Job Ticket: 38366

DST#: 2

ATTN: Tim Priest

Test Start: 2010.10.06 @ 23:38:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.26 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
440.00	mcw 5% m 95 %sw	5.042
124.00	mw 40%w 60 %m	1.739

Total Length: 564.00 ft

Total Volume: 6.781 bbl

Num Fluid Samples: 0

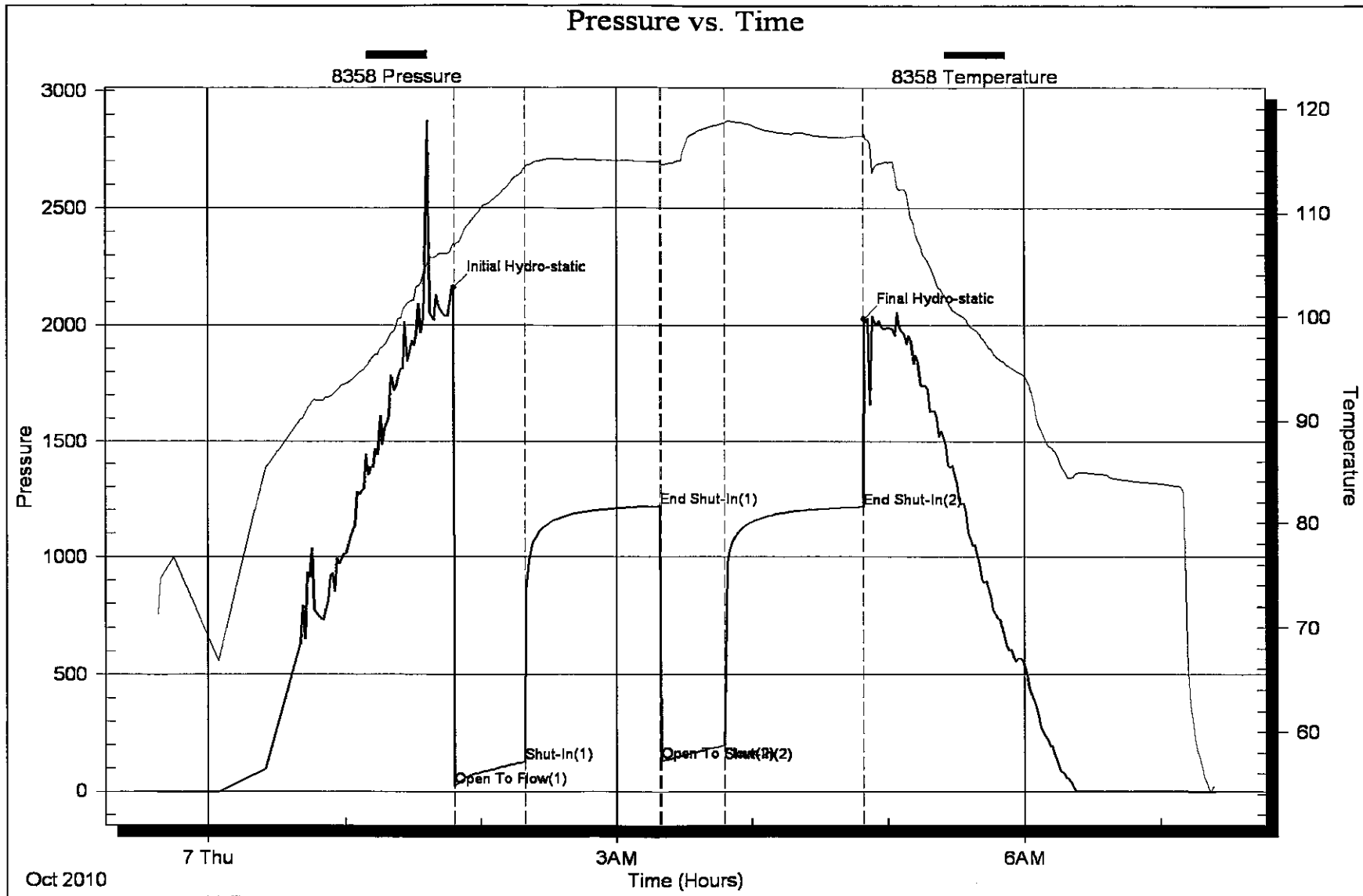
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .360@54.6=32,000





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 Main Street
Salem IL 62881

ATTN: Tim Priest

23-16-34 Scott,KS

Koehn #1-23

Start Date: 2010.10.07 @ 15:29:15

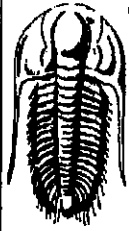
End Date: 2010.10.07 @ 22:22:15

Job Ticket #: 38367 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, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38367

DST#: 3

ATTN: Tim Priest

Test Start: 2010.10.07 @ 15:29:15

GENERAL INFORMATION:

Formation: **LKC "K"**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 17:17:15
 Time Test Ended: 22:22:15

Test Type: **Conventional Bottom Hole**
 Tester: **Mike Roberts**
 Unit No: **48**

Interval: **4324.00 ft (KB) To 4340.00 ft (KB) (TVD)**
 Total Depth: **4340.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3122.00 ft (KB)**
3112.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8358

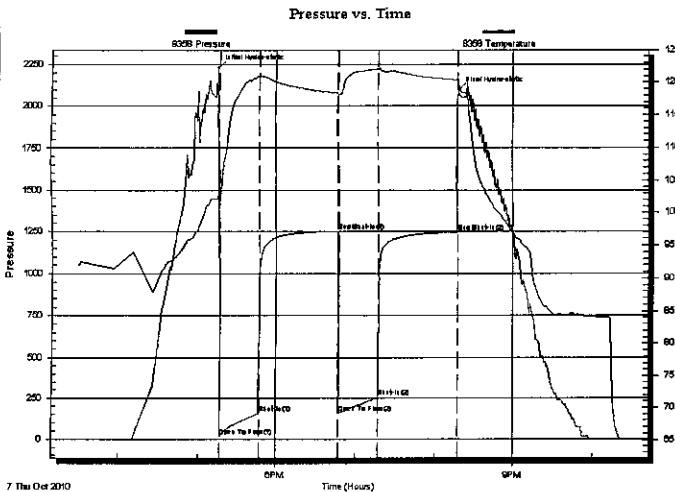
Inside

Press@RunDepth: **252.52 psig @ 4325.00 ft (KB)**
 Start Date: **2010.10.07** End Date: **2010.10.07**
 Start Time: **15:29:15** End Time: **22:22:15**

Capacity: **8000.00 psig**
 Last Calib.: **2010.10.07**
 Time On Btm: **2010.10.07 @ 17:15:30**
 Time Off Btm: **2010.10.07 @ 20:18:30**

TEST COMMENT: IF:BOB in 22 min
 IS:No return blow
 FF:Built to 8" blow
 FS:No return blow

PRESSURE SUMMARY



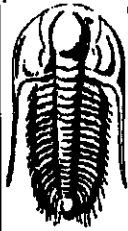
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.14	102.30	Initial Hydro-static
2	18.05	102.33	Open To Flow (1)
32	153.59	120.95	Shut-In(1)
92	1251.66	118.36	End Shut-In(1)
92	156.44	118.07	Open To Flow (2)
122	252.52	121.97	Shut-In(2)
182	1245.88	120.37	End Shut-In(2)
183	2096.76	120.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	sw 100%	7.57

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.
202 Main Street
Salem IL 62881
ATTN: Tim Priest

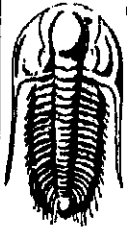
Koehn #1-23
23-16-34 Scott, KS
Job Ticket: 38367 **DST#: 3**
Test Start: 2010.10.07 @ 15:29:15

Tool Information

Drill Pipe:	Length: 4195.00 ft	Diameter: 3.80 inches	Volume: 58.84 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.45 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4324.00 ft			Final	75000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	36.00 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			4305.00	
Shut In Tool	5.00			4310.00	
Hydraulic tool	5.00			4315.00	
Packer	5.00			4320.00	20.00 Bottom Of Top Packer
Packer	4.00			4324.00	
Stubb	1.00			4325.00	
Recorder	0.00	8322	Inside	4325.00	
Recorder	0.00	8358	Inside	4325.00	
Perforations	13.00			4338.00	
Bullnose	2.00			4340.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott, KS

Job Ticket: 38367

DST#: 3

ATTN: Tim Priest

Test Start: 2010.10.07 @ 15:29:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.51 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	sw 100%	7.567

Total Length: 620.00 ft

Total Volume: 7.567 bbl

Num Fluid Samples: 0

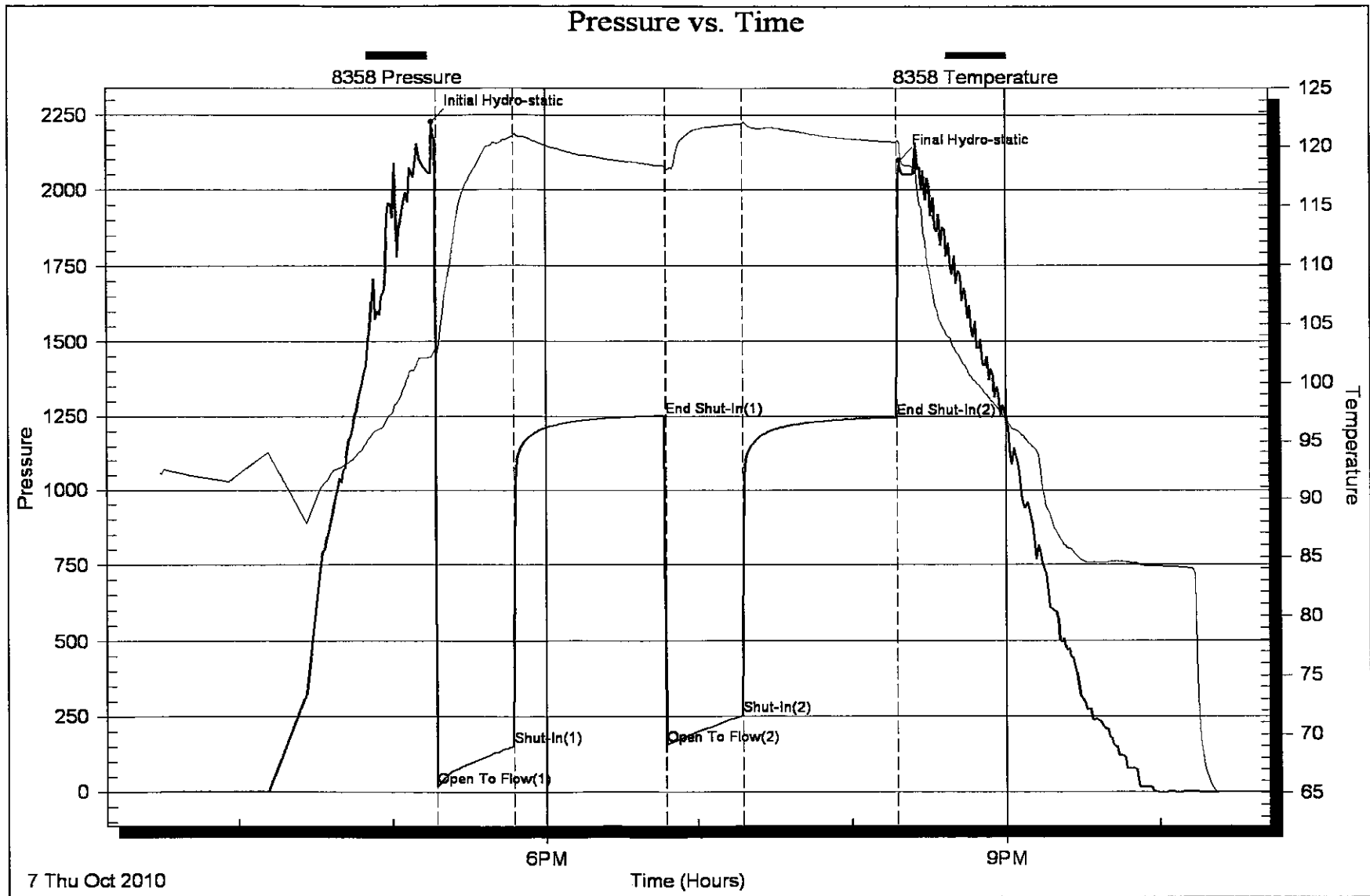
Num Gas Bombs: 0

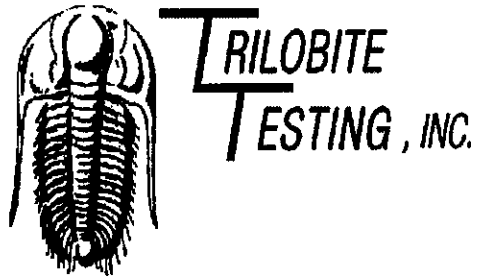
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .367@56.7* =33,000 ppm





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 Main Street
Salem IL 62881

ATTN: Tim Priest

23-16-34 Scott,KS

Koehn #1-23

Start Date: 2010.10.08 @ 07:30:15

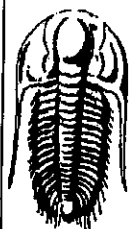
End Date: 2010.10.08 @ 14:19:00

Job Ticket #: 38368 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, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

ATTN: Tim Priest

Job Ticket: 38368

DST#: 4

Test Start: 2010.10.08 @ 07:30:15

GENERAL INFORMATION:

Formation: LKC "L"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:11:00

Time Test Ended: 14:19:00

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4355.00 ft (KB) To 4385.00 ft (KB) (TVD)

Total Depth: 4385.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3122.00 ft (KB)

3112.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8358

Inside

Press@RunDepth: 125.54 psig @ 4356.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.08

End Date: 2010.10.08

Last Calib.: 2010.10.08

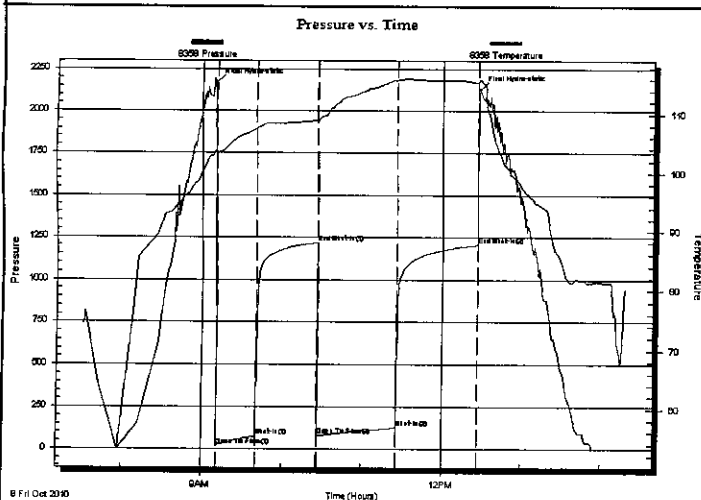
Start Time: 07:30:15

End Time: 14:19:00

Time On Btm: 2010.10.08 @ 09:10:30

Time Off Btm: 2010.10.08 @ 12:28:30

TEST COMMENT: IF: Built to 3" blow
IS: No return blow
FF: Built to 5" blow
FS: No return blow



PRESSURE SUMMARY

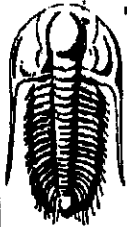
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.65	103.80	Initial Hydro-static
1	19.34	103.48	Open To Flow (1)
31	74.27	107.50	Shut-In(1)
76	1214.25	108.95	End Shut-In(1)
77	78.32	108.72	Open To Flow (2)
136	125.54	115.81	Shut-In(2)
197	1200.94	115.47	End Shut-In(2)
198	2130.59	115.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	sw 100%	2.35

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38368

DST#: 4

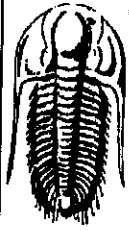
ATTN: Tim Priest

Test Start: 2010.10.08 @ 07:30:15

Tool Information

Drill Pipe:	Length: 4226.00 ft	Diameter: 3.80 inches	Volume: 59.28 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 59.89 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4355.00 ft			Final	73000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 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			4336.00	
Shut In Tool	5.00			4341.00	
Hydraulic tool	5.00			4346.00	
Packer	5.00			4351.00	20.00 Bottom Of Top Packer
Packer	4.00			4355.00	
Stubb	1.00			4356.00	
Recorder	0.00	8322	Inside	4356.00	
Recorder	0.00	8358	Inside	4356.00	
Perforations	27.00			4383.00	
Bullnose	2.00			4385.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38368

DST#: 4

ATTN: Tim Priest

Test Start: 2010.10.08 @ 07:30:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

35000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.54 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	sw 100%	2.349

Total Length: 248.00 ft

Total Volume: 2.349 bbl

Num Fluid Samples: 0

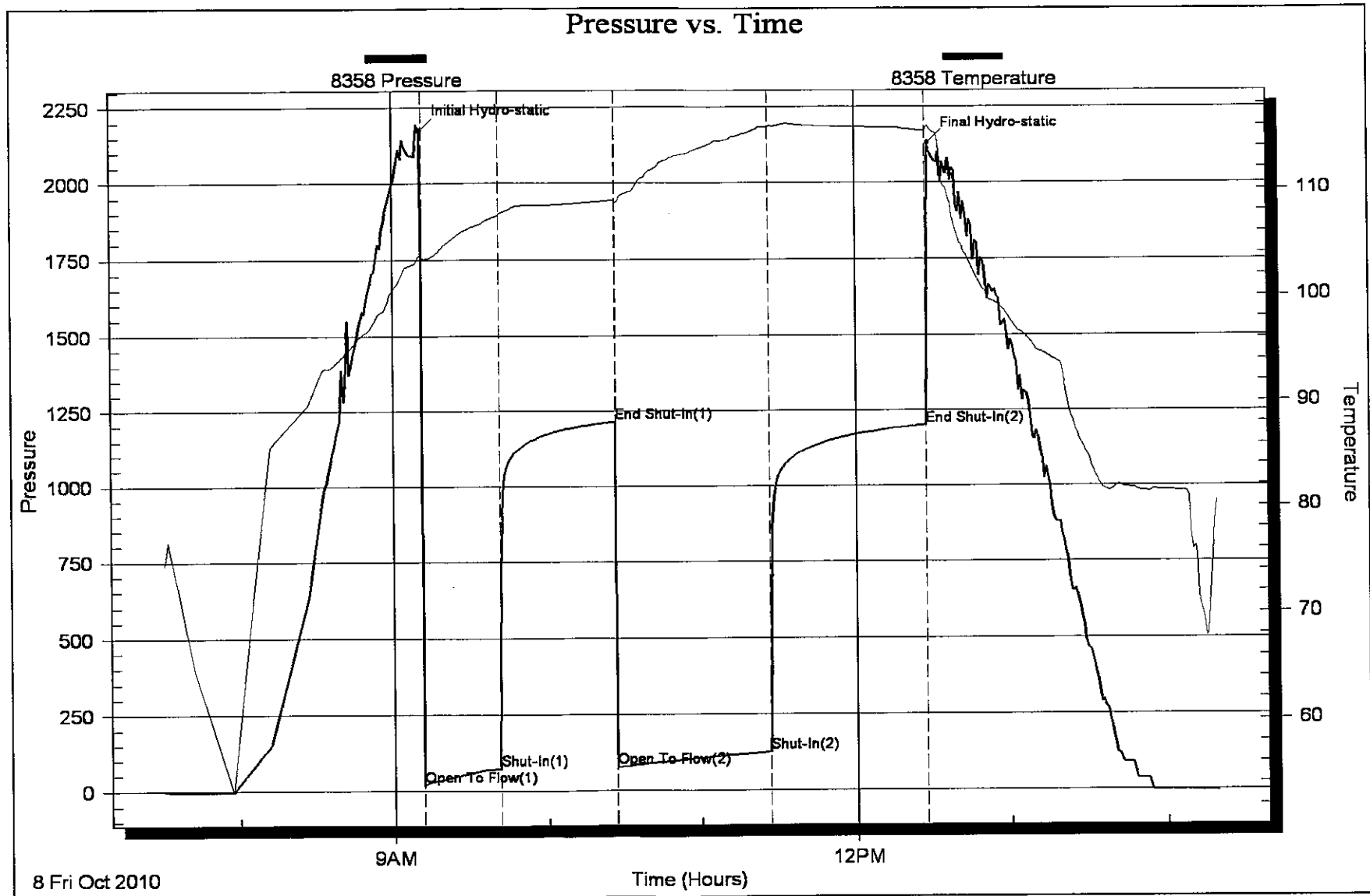
Num Gas Bombs: 0

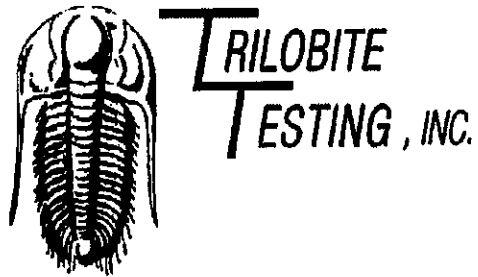
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.153@87*=35000 ppm





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 Main Street
Salem IL 62881

ATTN: Tim Priest

23-16-34 Scott,KS

Koehn #1-23

Start Date: 2010.10.09 @ 11:54:15

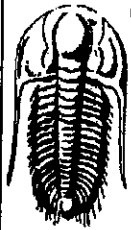
End Date: 2010.10.09 @ 17:26:38

Job Ticket #: 38369 DST #: 5

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, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

ATTN: Tim Priest

Job Ticket: 38369

DST#: 5

Test Start: 2010.10.09 @ 11:54:15

GENERAL INFORMATION:

Formation: **Marmaton-Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:41:53

Time Test Ended: 17:26:38

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: **4464.00 ft (KB) To 4554.00 ft (KB) (TVD)**

Total Depth: **4554.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **3122.00 ft (KB)**

3112.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8358

Inside

Press@RunDepth: **49.28 psig @ 4532.00 ft (KB)**

Start Date: **2010.10.09**

End Date: **2010.10.09**

Start Time: **11:54:15**

End Time: **17:26:38**

Capacity: **8000.00 psig**

Last Calib.: **2010.10.09**

Time On Btm: **2010.10.09 @ 13:41:38**

Time Off Btm: **2010.10.09 @ 15:41:08**

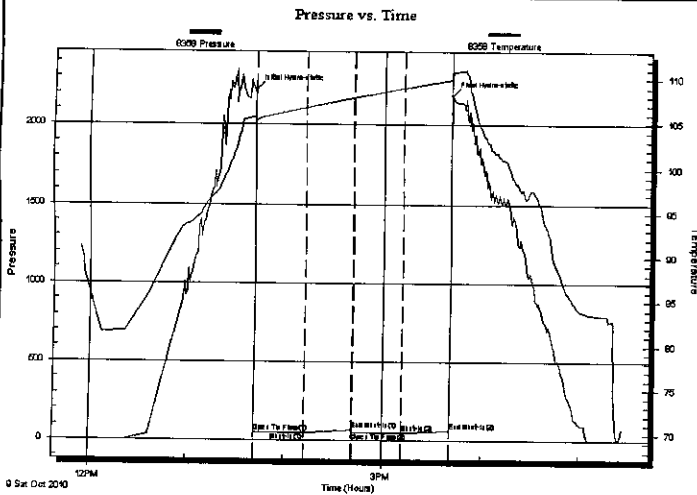
TEST COMMENT: IF: Built to weak surface blow

IS: No return blow

FF: No blow

FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.96	105.70	Initial Hydro-static
1	48.50	105.23	Open To Flow (1)
31	48.83	106.76	Shut-In(1)
60	67.25	107.89	End Shut-In(1)
60	48.65	107.90	Open To Flow (2)
90	49.28	108.96	Shut-In(2)
119	62.36	109.92	End Shut-In(2)
120	2184.73	110.42	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38369

DST#: 5

ATTN: Tim Priest

Test Start: 2010.10.09 @ 11:54:15

Tool Information

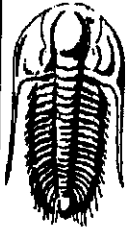
Drill Pipe:	Length: 4347.00 ft	Diameter: 3.80 inches	Volume: 60.98 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 61.59 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4464.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	90.00 ft				
Tool Length:	110.00 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			4445.00	
Shut In Tool	5.00			4450.00	
Hydraulic tool	5.00			4455.00	
Packer	5.00			4460.00	20.00 Bottom Of Top Packer
Packer	4.00			4464.00	
Stubb	1.00			4465.00	
Perforations	5.00			4470.00	
Change Over Sub	1.00			4471.00	
Drill Pipe	60.00			4531.00	
Change Over Sub	1.00			4532.00	
Recorder	0.00	8322	Inside	4532.00	
Recorder	0.00	8358	Inside	4532.00	
Perforations	20.00			4552.00	
Bullnose	2.00			4554.00	90.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott, KS

Job Ticket: 38369

DST#: 5

ATTN: Tim Priest

Test Start: 2010.10.09 @ 11:54:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 10.74 in³

Resistivity: 0.00 ohm.m

Salinity: 12200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

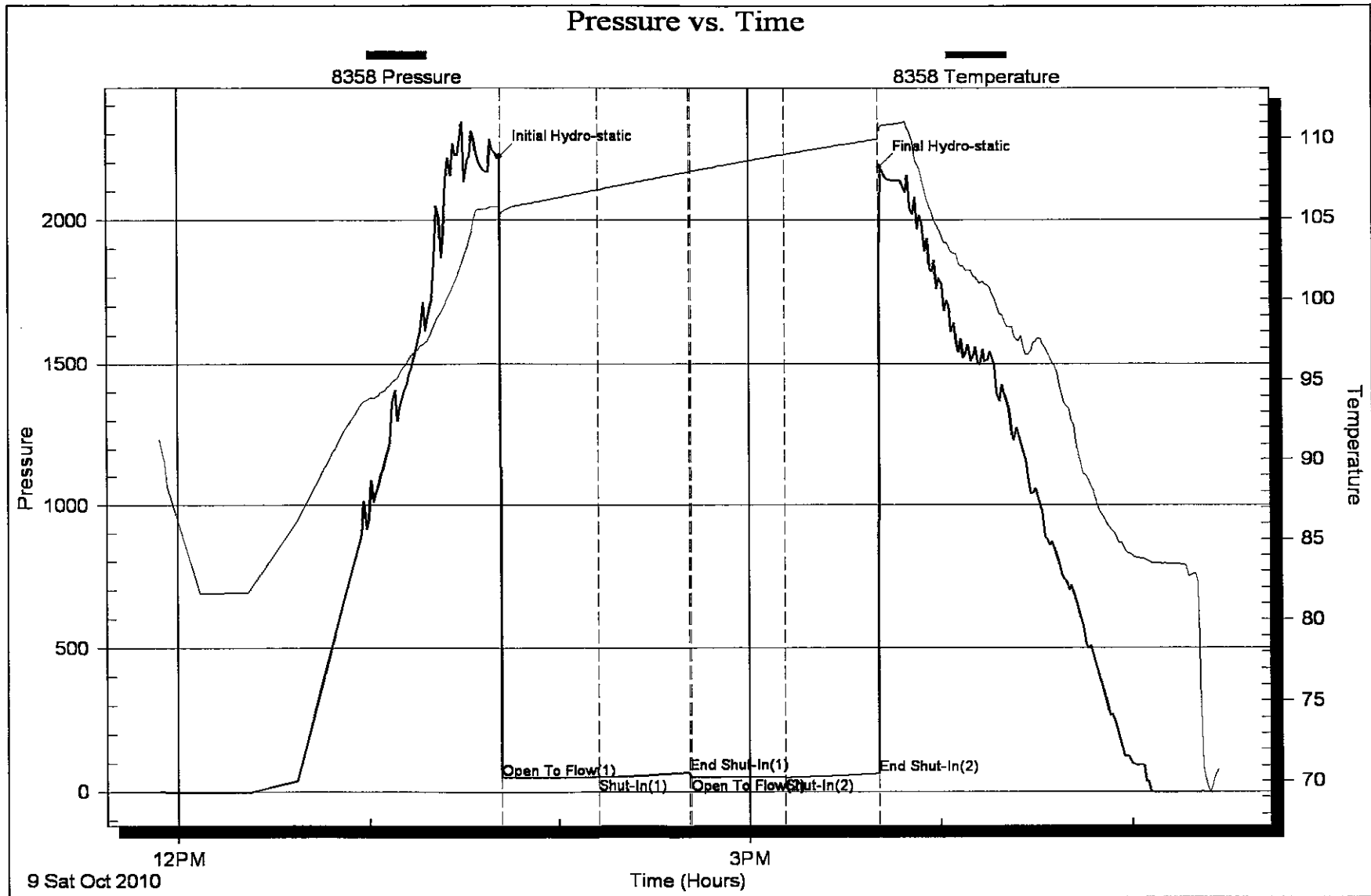
Length ft	Description	Volume bbl
5.00	mud with oil spots	0.025

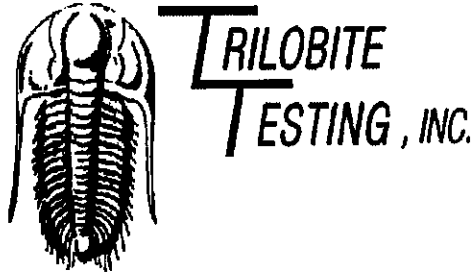
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 Main Street
Salem IL 62881

ATTN: Tim Priest

23-16-34 Scott,KS

Koehn #1-23

Start Date: 2010.10.10 @ 04:11:00

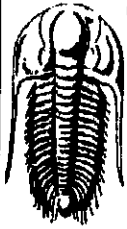
End Date: 2010.10.10 @ 10:24:00

Job Ticket #: 38370 DST #: 6

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, Inc.

202 Main Street
Salem IL 62881

ATTN: Tim Priest

Koehn #1-23

23-16-34 Scott,KS

Job Ticket: 38370

DST#: 6

Test Start: 2010.10.10 @ 04:11:00

GENERAL INFORMATION:

Formation: **Myric Station / Ft S**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:31:15

Time Test Ended: 10:24:00

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 48

Interval: **4556.00 ft (KB) To 4605.00 ft (KB) (TVD)**

Total Depth: **4605.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **3122.00 ft (KB)**

3112.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8358

Inside

Press@RunDepth: 31.55 psig @ 4557.00 ft (KB)

Start Date: 2010.10.10

End Date: 2010.10.10

Start Time: 04:11:15

End Time: 10:24:00

Capacity: 8000.00 psig

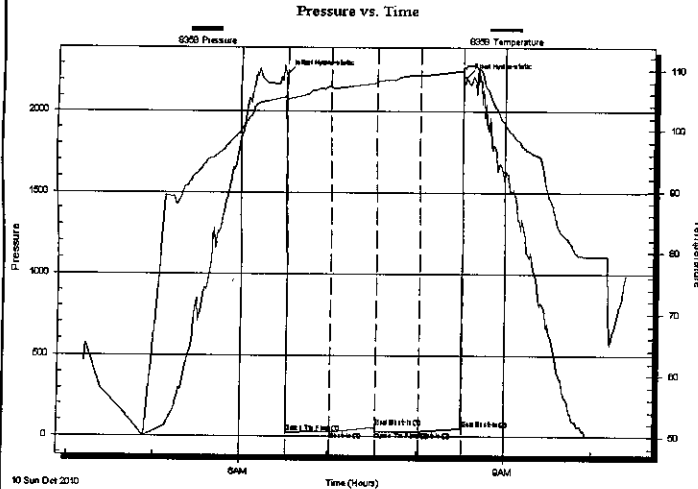
Last Calib.: 2010.10.10

Time On Btm: 2010.10.10 @ 06:31:00

Time Off Btm: 2010.10.10 @ 08:33:00

TEST COMMENT: IF: Surface blow died @ 14 minutes.
IS: No return.
FF Surface blow died @ 6 minutes.
FSI No return.

PRESSURE SUMMARY



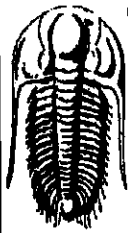
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.68	105.56	Initial Hydro-static
1	24.23	104.97	Open To Flow (1)
31	27.60	107.08	Shut-In(1)
61	56.84	107.91	End Shut-In(1)
62	29.90	107.99	Open To Flow (2)
91	31.55	109.17	Shut-In(2)
120	48.08	109.90	End Shut-In(2)
122	2214.20	110.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
60.00	Mud 100% m	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38370

DST#: 6

ATTN: Tim Priest

Test Start: 2010.10.10 @ 04:11:00

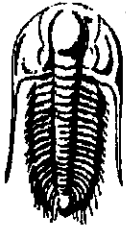
Tool Information

Drill Pipe:	Length: 4441.00 ft	Diameter: 3.80 inches	Volume: 62.30 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: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 89000.00 lb
			<u>Total Volume: 62.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4556.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 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			4537.00	
Shut In Tool	5.00			4542.00	
Hydraulic tool	5.00			4547.00	
Packer	5.00			4552.00	20.00 Bottom Of Top Packer
Packer	4.00			4556.00	
Stubb	1.00			4557.00	
Recorder	0.00	8322	Inside	4557.00	
Recorder	0.00	8358	Inside	4557.00	
Perforations	15.00			4572.00	
Change Over Sub	0.50			4572.50	
Drill Pipe	30.00			4602.50	
Change Over Sub	0.50			4603.00	
Bullnose	2.00			4605.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38370

DST#: 6

ATTN: Tim Priest

Test Start: 2010.10.10 @ 04:11:00

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: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.16 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 13000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	Mud 100% m	0.295

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

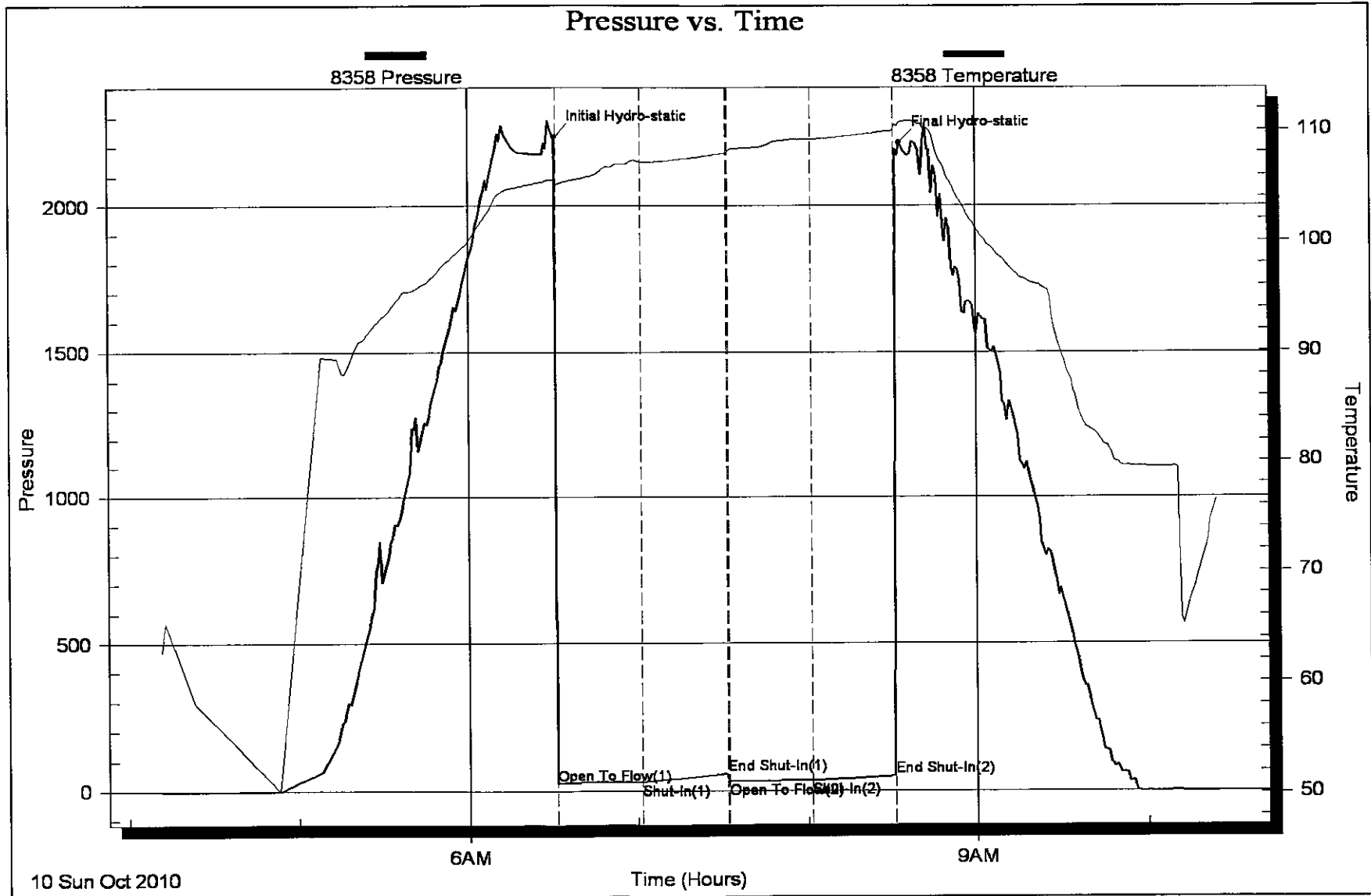
Num Gas Bombs: 0

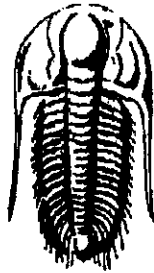
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc.**

202 Main Street
Salem IL 62881

ATTN: Tim Priest

23-16-34 Scott,KS

Koehn #1-23

Start Date: 2010.10.11 @ 04:15:00

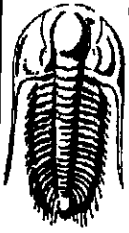
End Date: 2010.10.11 @ 10:30:00

Job Ticket #: 38371 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, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

ATTN: Tim Priest

Job Ticket: 38371

DST#: 7

Test Start: 2010.10.11 @ 04:15:00

GENERAL INFORMATION:

Formation: **Johnson**

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

Time Tool Opened: 06:27:15

Time Test Ended: 10:30:00

Test Type: **Conventional Bottom Hole**

Tester: **Brad Walters**

Unit No: **48**

Interval: **4642.00 ft (KB) To 477.00 ft (KB) (TVD)**

Total Depth: **4727.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **3122.00 ft (KB)**

3112.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8358

Inside

Press@RunDepth: **20.94 psig @ 4643.00 ft (KB)**

Start Date: **2010.10.11**

End Date: **2010.10.11**

Capacity: **8000.00 psig**

Last Calib.: **2010.10.11**

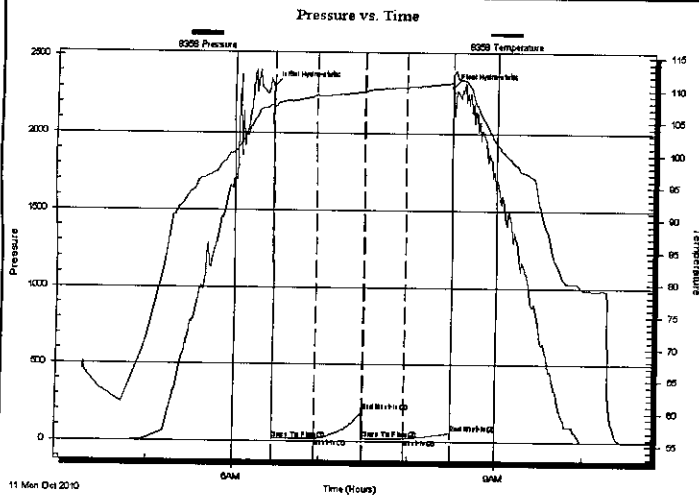
Start Time: **04:15:15**

End Time: **10:30:00**

Time On Btm: **2010.10.11 @ 06:26:45**

Time Off Btm: **2010.10.11 @ 08:29:00**

TEST COMMENT: IF: 1/4 inch blow, blow started @ 9 minutes.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

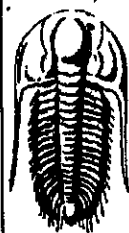
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.78	107.63	Initial Hydro-static
1	14.93	107.21	Open To Flow (1)
30	17.65	109.15	Shut-In(1)
63	191.21	109.70	End Shut-In(1)
63	19.01	109.74	Open To Flow (2)
91	20.94	110.42	Shut-In(2)
122	56.54	111.09	End Shut-In(2)
123	2300.86	112.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100% m (show of oil spots in tool)	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38371

DST#: 7

ATTN: Tim Priest

Test Start: 2010.10.11 @ 04:15:00

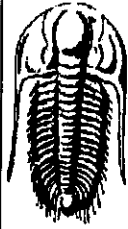
Tool Information

Drill Pipe:	Length: 4442.00 ft	Diameter: 3.80 inches	Volume: 62.31 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: 30000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 103000.0 lb
		Total Volume:	63.22 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4642.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	105.00 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			4623.00	
Shut In Tool	5.00			4628.00	
Hydraulic tool	5.00			4633.00	
Packer	5.00			4638.00	20.00 Bottom Of Top Packer
Packer	4.00			4642.00	
Stubb	1.00			4643.00	
Recorder	0.00	8322	Inside	4643.00	
Recorder	0.00	8358	Inside	4643.00	
Perforations	20.00			4663.00	
Change Over Sub	0.50			4663.50	
Drill Pipe	61.00			4724.50	
Change Over Sub	0.50			4725.00	
Bullnose	2.00			4727.00	85.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc.

Koehn #1-23

202 Main Street
Salem IL 62881

23-16-34 Scott,KS

Job Ticket: 38371

DST#: 7

ATTN: Tim Priest

Test Start: 2010.10.11 @ 04:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud 100% m (show of oil spots in tool)	0.020

Total Length: 4.00 ft

Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

