

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

RECEIVED ORIGINAL
Form ACO-1
June 2009

WELL COMPLETION FORM

JAN 07 2011

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

WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA 1/5/13

OPERATOR: License # 7311 **KCC**

Name: Shakespeare Oil Company, Inc.

Address 1: 202 West Main St. **JAN 05 2011**

Address 2: _____ **CONFIDENTIAL**

City: Salem State: IL Zip: 62881

Contact Person: Donald R. Williams

Phone: (618) 548-1585

CONTRACTOR: License # 33935

Name: H.D. Drilling, LLC

Wellsite Geologist: Tim Priest

Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

10/14/2010	10/24/2010	11/19/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 171-20778-0000

Spot Description: _____

SE SE NW NE Sec. 27 Twp. 16 S. R. 34 East West

1,000 Feet from North / South Line of Section

1,500 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Scott

Lease Name: Church of God Well #: 1-27

Field Name: Wildcat

Producing Formation: Johnson, Marmaton

Elevation: Ground: 3123' Kelly Bushing: 3133'

Total Depth: 4876' Plug Back Total Depth: 4820'

Amount of Surface Pipe Set and Cemented at: 351' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2407 Feet

If Alternate II completion, cement circulated from: 2407

feet depth to: surface w/ 250 sx crnt.

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 #: _____

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

County: _____ Permit #: _____

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.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Donald R. Williams

Title: Vice-President Date: 1/5/11

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 1/5/11 - 1/5/13
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: N/S Date: 1/24/11

Operator Name: Shakespeare Oil Company, Inc. Lease Name: Church of God Well #: 1-27
 Sec. 27 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DIL/GR, CDL, CNL, ML, SONIC, CBL/GR	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Geological Report <div style="text-align: center; font-size: 1.2em; font-weight: bold;"> KCC JAN 05 2011 CONFIDENTIAL </div> <div style="text-align: right; font-size: 1.2em; font-weight: bold;"> RECEIVED JAN 07 2011 KCC WICHITA </div>
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23#	351'	Class A	240	2% gel, 3% CaCl
Production	7 7/8"	4 1/2"	10.5#	4872'	ASC	215	5#/sx gilsonite, 3/4% CD-31

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2407'-0'	SMD	250	1/4#/sx flocele

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
4	Johnson, 4702-06', 4710-18', 4725-27'	500 gal 15% NeFe	4702-4727'
4	Marmaton, 4463-69', 4487-90'	250 gal 15% MCA	4463-4490'

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>4822'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR: <u>11/20/2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>71</u>	Gas Mcf _____
		Water Bbls. <u>5</u>
		Gas-Oil Ratio _____
		Gravity <u>28</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Shakespeare Oil Company, Inc.
Church of God #1-27
1000' FNL 1500' FEL NE/4, Sec. 27-16S-34W
Scott Co., KS
API# 15-171-20778
EGL 3123'; EKB 3133'

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Summary of Well Information

Spud Date/Finish Date: 10/14/2010 - 10/26/2010
Field: Wildcat
Drilling Contractor/Rig No: HD Drilling Co./ Rig #2
Total Depth: DTD 4876'; LTD 4874'
Surface Casing: 8 5/8", 23# set at 351', cmt'd with 240 sacks
Production casing: 4 1/2", 10.5# set at 4872', cmt'd with 215 sx
Drill Time Kept: 3600' to 4876'
Samples Examined: 3800' to 4876'
Prospect Geologist: Shakespeare Staff
Wellsite Geologist: Tim Priest
Drill Stem Test Co./Tester: Trilobite Testing/Shane McBride, Chuck smith
Number of Tests: 5
Core Company/Core Man: N/A
Mud Company/Engineer: MudCo. / Reid Atkins
Mud Type: Chemical
Logging Company: Weatherford Wireline Services
Logs Ran: Array Ind/SP/GR, CN/CD/GR/CAL/ ML, Sonic
Total Depth Formation: Mississippian Ls.
Samples: Saved from 3800'-4876'
Well Status: WOC, 10/26/10, to test Johnson & Marmaton

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SHAKESPEARE OIL COMPANY, INC.

Church of God #1-27
Timber Canyon Prospect
 1000' FNL 1500' FEL NE/4, Sec. 27-16S-34W
 Scott Co., KS
 API# 15-171-20778; EGL 3123'; EKB 3133'

KCC
JAN 05 2011
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GEOLOGICAL SUMMARY

Spud Date: 10/14/2010
 Completion Date: 10/26/2010
 Drilling Contractor: HD Drilling Rig #2
 Wellsite Geologist: Tim Priest
 Geological Tops: * All tops picked from Weatherford Wireline logs. *

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<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Comments</u>
Stone Corral Anhy	2450' +683'	2470' +663'	
Stotler	3614' -481'		
Topeka	3816' -683'		
Heebner Shale	3989' -856'	3992' -859'	
Toronto	4003' -870'		
Lansing	4030' -897'		sso DST #1
Muncie Creek Sh	4216' -1083'	4214' -1092'	
LKC-"H"	4226' -1093'		
LKC-"T"	4263' -1130'		sso DST #2
LKC-"J"	4287' -1154'		sso DST #2
Stark Shale	4315' -1182'	4318' -1185'	
LKC-"K"	4327' -1194'		
Hushpuckney Sh	4361' -1228'	4364' -1231'	
LKC-"L"	4372' -1239'		
BKC	4409' -1276'		
Marmaton	4457' -1324'		pso 4464-69'
Pawnee	4533' -1400'		
Myric Station	4574' -1441'		
Fort Scott	4584' -1451'		
L. Cherokee Sh	4612' -1479'	4616' -1483'	
Johnson	4659' -1526'		sso DST 3,4,5
Morrow Shale	4736' -1603'		
Mississippian	4796' -1663'		
DTD	4876' -1743'		
LTD	4874' -1741'		

DST #1: LKC "D" 4108'-4130' 20-30-30-60. Rec'd 60' MCW (25% mud, 75% wtr) & 540' SW. IF: BOB in 11 min - no return, FF: BOB in 13 min - no return, IFP 40-154#, FFP 167-288#, ISIP 1133#, FSIP 1135#, BHT = 116⁰ F, chlorides = 19,000 ppm.

DST #2: LKC "I" & "J" 4266'-4309' 30-30-45-60. Rec'd 120' OSWM (25% mud, 75% wtr) & 185' MW (20% mud, 80% wtr). IF: 8" blow - no return, FF: 8" blow - no return, IFP 20-94#, FFP 95-152#, ISIP 1215#, FSIP 1219#, BHT = 115⁰ F, chlorides = 31,000 ppm.

DST #3: Johnson 4636'-4730' 30-30-60-90. Rec'd 62' weak GIP, 184' GOCM (30% gas, 5% oil, 65% mud), 251' GOCM (40% gas, 4% oil, 56% mud), & 183' GOMW (40% gas, 1% oil, 20% mud, 39% wtr). IF: BOB in 14 min - surface return blow, FF: BOB in 15 min - surface return blow died in 20 min, IFP 46-168#, FFP 184-300#, ISIP 1197#, FSIP 1209#, BHT = 117⁰ F, chlorides = 37,000 ppm.

DST #4: Johnson 4698'-4732'DWP. While tripping in hole w/ test tool, tester realized he didn't have enough anchor and told rig crew to TOH w/ test tool. Mis-run.

DST #5: 5 Johnson 4699'-4733'DWP. Rec'd 10' mud. IF: weak surface blow, died in 3 min. Tool seemed hung in hole, had trouble turning tool to close, came off bottom for about 35 min & waited on orders, reset tool, FF: weak surface blow, TOH w/ tool.

Logs: Weatherford - Array Induction/SP/GR, CD/CN/ML/GR, Sonic. LTD 4874'.

After careful log examination it was decided that another DST attempt would not be worthwhile. Also, an Upper Marmaton break was noted on the logs from 4464'-4469' that showed 80-90 ohms resistivity, 14-16% neutron porosity, and good microlog. It was determined that this zone along with the Johnson porosity breaks from 4703-06' and 4714-20' warranted a completion attempt, and an election letter was sent out to run 4 1/2" casing.

Status: Set 4 1/2" csg. at 4872' to test the Johnson and Marmaton "A" porosity breaks, PD 7:15 am 10/26/2010. WOC.

Respectfully submitted,



Dale K. Helpingstine
Geologist, IL#196-000596



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



KCC
JAN 05 2011
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Invoice

DATE	INVOICE #
11/5/2010	19304

BILL TO
Shakespeare Oil Company, Inc 202 West Main Street Salem, IL 62881

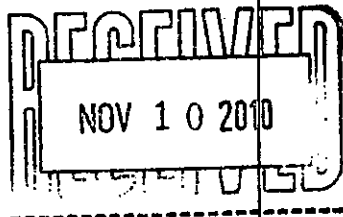
- Acidizing
- Cement
- Tool Rental

INT

file

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-27	Church Of God	Scott	Wild West Well S...	Oil	Development	Port Collar	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	75	Miles	5.00	375.00
576D-D	Pump Charge - Port Collar - 2407 Feet	1	Job	1,100.00	1,100.00
279	Bentonite Gel	2	Sack(s)	25.00	50.00T
290	D-Air	4	Gallon(s)	35.00	140.00T
330	Swift Multi-Density Standard (MIDCON II)	250	Sacks	15.00	3,750.00T
276	Flocele	100	Lb(s)	1.50	150.00T
581D	Service Charge Cement	350	Sacks	1.50	525.00
583D	Drayage	1,283	Ton Miles	1.00	1,283.00
	Subtotal				7,373.00
	Sales Tax Scott County			8.30%	339.47



Thank You For Your Business!	Total	\$7,712.47
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CHARGE TO: *Shakespeare Oil*

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET
19304

PAGE 1 OF 1

SERVICE LOCATION 1: <i>Hayes Ks</i>	WELL/PROJECT NO.: <i>#1-27</i>	LEASE: <i>church of God</i>	COUNTY/PARISH: <i>Scott</i>	STATE: <i>Ks</i>	CITY:	DATE: <i>11-5-10</i>	OWNER: <i>same</i>
SERVICE LOCATION 2: <i>Ness City Ks</i>	TICKET TYPE: <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR: <i>W.W.W.S</i>	RIG NAME/NO.:	SHIPPED VIA: <i>CB</i>	DELIVERED TO: <i>Location</i>	ORDER NO.:	
3.	WELL TYPE: <i>oil</i>	WELL CATEGORY: <i>development</i>	JOB PURPOSE: <i>Part Collar</i>	WELL PERMIT NO.:	WELL LOCATION:		
4. REFERRAL LOCATION:	INVOICE INSTRUCTIONS:						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			<i>MILEAGE #111</i>	<i>75</i>	<i>mi</i>			<i>5.00</i>	<i>375.00</i>
<i>576D</i>		<i>1</i>			<i>Pump Charge (Part Collar)</i>	<i>1 ea</i>		<i>2407</i>	<i>'</i>	<i>1100.00</i>	<i>1100.00</i>
<i>275</i>		<i>1</i>									
<i>279</i>		<i>1</i>			<i>Bestunitegel</i>	<i>2</i>	<i>sts</i>			<i>25.00</i>	<i>50.00</i>
<i>290</i>		<i>1</i>			<i>D-Air</i>	<i>4</i>	<i>gal</i>			<i>35.00</i>	<i>140.00</i>
<i>330</i>		<i>2</i>			<i>SMD Cement</i>	<i>250</i>	<i>sts</i>			<i>15.00</i>	<i>3750.00</i>
<i>276</i>		<i>2</i>			<i>Flocce</i>	<i>100</i>	<i>#</i>			<i>1.50</i>	<i>150.00</i>
<i>581</i>		<i>2</i>			<i>Cement Service Charge</i>	<i>350</i>	<i>sts</i>			<i>1.50</i>	<i>525.00</i>
<i>583</i>		<i>2</i>			<i>Drayage</i>	<i>1283</i>	<i>T/M</i>			<i>1.00</i>	<i>1283.00</i>

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LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X
DATE SIGNED: *11-5-10* TIME SIGNED: *1915* A.M. P.M.

REMIT PAYMENT TO:

 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	<i>7373.00</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	<i>7712.47</i>

Scott
TAX *6.3%* *339.47*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: *[Signature]* APPROVAL:

Thank You!

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 KCC WICHITA

JOB LOG

SWIFT Services, Inc.

DATE 11-5-10 PAGE NO. 7

CUSTOMER Shakespeare Oil WELL NO. #1-27 LEASE Church of God JOB TYPE Port Collar TICKET NO. 19304

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							on loc set up trks
								2 3/8" x 4 1/2" KCC
								RBP 4409' JAN 05 2011
								PC 2407' CONFIDENTIAL
	1450	3	0					Lead hole
	1455	1.5	14					1000 Test Csg
	1500	3	14			200		Turn hole over
	1510	3	48			200		spot gel
	1515		66					gel spotted
	1525							Pull to P.C.
								Open P.C.
	1700	3	4			250		Take inj rate & check for blow
	1705	4.5	0			400		start Cement 150 sks SMD @ 11.2"
	1725	4.5	82			600		raise weight 11.2"
	1733	4.5	140			700		circ cement raise weight
	1734	3.5	145 to			700		start Displacement
	1737		8.5					Cement Displaced
								Close P.C.
	1740						1000	Test Csg
								run 5jts
	1755	3	0				150	Reverse cut
	1800		20					Hole clean
								250 sks SMD
								circ 20 sk stop it
								Thank you
								Nick, Josh F & John

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PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 125091

Invoice Date: Oct 26, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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

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file

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Church of God #1-27	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 26, 2010	11/25/10

Quantity	Item	Description	Unit Price	Amount
245.00	MAT	ASC Class A	18.60	4,557.00
1,225.00	MAT	Gilsonite	0.89	1,090.25
173.00	MAT	CD-31	9.35	1,617.55
500.00	MAT	WFR-2	1.27	635.00
273.00	SER	Handling	2.40	655.20
40.00	SER	Mileage 273 sx @.10 per sk per mi	27.30	1,092.00
1.00	SER	Production String	2,011.00	2,011.00
40.00	SER	Pump Truck Mileage	7.00	280.00
1.00	SER	Rotating Head	113.00	113.00

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Subtotal	12,051.00
Sales Tax	576.69
Total Invoice Amount	12,627.69
Payment/Credit Applied	
TOTAL	12,627.69

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

\$ 2410.29

ONLY IF PAID ON OR BEFORE
Nov 20, 2010

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ALLIED CEMENTING CO., LLC. 035138A

KCC

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

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SERVICE POINT:

DAKLEY

DATE <u>10-26-10</u>	SEC <u>27</u>	TWP. <u>16S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>2:00 AM</u>	JOB START <u>8:30 AM</u>	JOB FINISH <u>7:45 AM</u>
LEASE <u>Church of God</u>	WELL # <u>1-27</u>	LOCATION <u>PENCE 1/2 E-1/4 S-W EN</u>		COUNTY <u>SCOTT</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR H-D ARLG RIG # 2

TYPE OF JOB Production string

HOLE SIZE 7 7/8" T.D. 4876'

CASING SIZE 4 1/2" DEPTH 4873.05'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL PORT COLLAR DEPTH 2407.40'

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 42.45'

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 76.80 Bbls.

OWNER SAME

CEMENT

AMOUNT ORDERED 245 SKS ASC 5# GELSONETE

3/4 OF 1 1/2 CD-31

500 GALS WFR-2

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC <u>245 SKS</u>	@	<u>18.60</u>	<u>4557.00</u>
<u>GELSONETE 1225#</u>	@	<u>8.89</u>	<u>1090.25</u>
<u>CD-31 173#</u>	@	<u>9.35</u>	<u>1617.55</u>
<u>WFR-2 500 GALS</u>	@	<u>1.27</u>	<u>635.00</u>
HANDLING <u>273 SKS</u>	@	<u>2.40</u>	<u>655.20</u>
MILEAGE <u>104 PER SKL MILE</u>			<u>1092.00</u>
TOTAL			<u>9647.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

386-281 HELPER LARENE

BULK TRUCK

396 DRIVER JERRY

BULK TRUCK

_____ DRIVER _____

REMARKS:

PUMP 5 BBLs WATER 500 GALS WFR-2 15
BBLs WATER. Plug RAT Hole with 30 SKS
HOOK ON TO 4 1/2 CASINGS MEX 215 SKS
ASC 5# GELSONETE 3/4 OF 1 1/2 CD-31 WASH
TRUCK & LENSES. DISPLACE with 76.80
BBLs FRESH WATER. Had 800 PSI
LEFT PRESSURE r. Land Plug AT
1900 PSI FLOAT Held.

Thank You

SERVICE

DEPTH OF JOB <u>4873.05'</u>		
PUMP TRUCK CHARGE		<u>2011.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>40 MI</u>	@	<u>7.00</u>
MANIFOLD	@	
<u>Rotating Head</u>	@	<u>113.00</u>
TOTAL		<u>2404.00</u>

CHARGE TO: SHAKESPEARE OIL & GAS

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

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

PRINTED NAME Doug Roberts

SIGNATURE Doug Roberts

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
 JAN 07 2011
 KCC WICHITA



PO BOX 31 Russell, KS 67665

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

INVOICE

Invoice Number: 124860
 Invoice Date: Oct 14, 2010
 Page: 1

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

KCC
JAN 05 2011
CONFIDENTIAL

INT
File

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Church of God #1-27	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 14, 2010	11/13/10

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

RECEIVED
 OCT 25 2010
REGISTERED

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

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
 Nov 8, 2010

RECEIVED
 JAN 07 2011
 KCC WICHITA

ALLIED CEMENTING CO., LLC. 035664

KCC

JAN 05 2011

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

CONFIDENTIAL

SERVICE POINT: Oakley

DATE <u>10-14-10</u>	SEC. <u>27</u>	TWP. <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00am</u>	JOB FINISH <u>10:30am</u>
LEASE <u>Church of God</u>	WELL # <u>1-27</u>	LOCATION <u>Pence 1/2 E 1/4 S</u>			COUNTY <u>SCOTT</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>W into</u>				

CONTRACTOR H D Drilling Rig 2

TYPE OF JOB Surface

HOLE SIZE 12 1/8 T.D. 354'

CASING SIZE 8 7/8 DEPTH 354'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 21.59 BBL

OWNER same

CEMENT

AMOUNT ORDERED 240 sks com

390cc 299cc

COMMON <u>240 sks</u>	@ <u>15.45</u>	<u>3708.00</u>
POZMIX	@	
GEL <u>5 sks</u>	@ <u>20.80</u>	<u>104.00</u>
CHLORIDE <u>9 sks</u>	@ <u>58.20</u>	<u>523.80</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>254 sks</u>	@ <u>2.40</u>	<u>609.60</u>
MILEAGE <u>10 1/2 sk/mile</u>		<u>1016.00</u>
		TOTAL <u>5961.40</u>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

423281 HELPER Lorene

BULK TRUCK

394 DRIVER Wil

BULK TRUCK

DRIVER

REMARKS:

Cement did circulate

thank you

CHARGE TO: Shakespeare oil + gas

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 354'

PUMP TRUCK CHARGE 1018.00

EXTRA FOOTAGE @

MILEAGE 40 miles @ 7.00 280.00

MANIFOLD @

TOTAL 1798.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

To Allied Cementing Co., LLC.

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

PRINTED NAME Doug Roberts

SIGNATURE Doug Robert

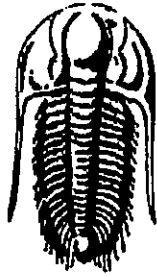
GOOD Job Thanks!

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

RECEIVED
JAN 07 2011
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Tim Priest

27-16s-34w Scott,KS

Church of God #1-27

Start Date: 2010.10.20 @ 08:51:06

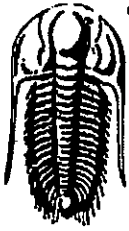
End Date: 2010.10.20 @ 15:15:21

Job Ticket #: 039683 DST #: 1

RECEIVED
JAN 07 2011
KCC WICHITA

KCC
JAN 05 2011
CONFIDENTIAL

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

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

ATTN: Tim Priest

Job Ticket: 039683 DST#: 1

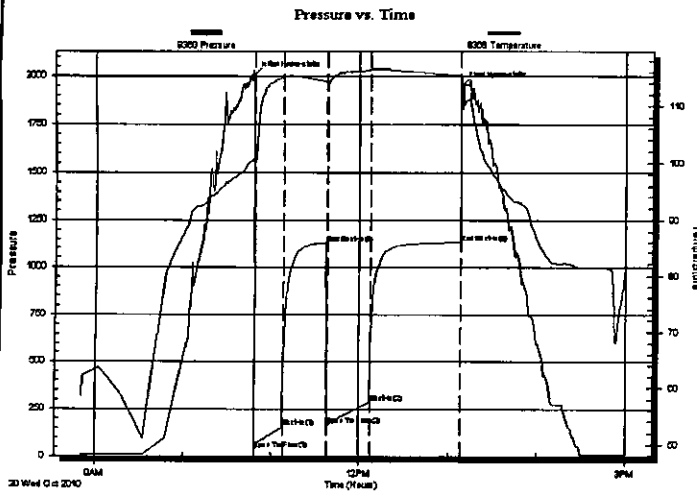
Test Start: 2010.10.20 @ 08:51:06

GENERAL INFORMATION:

Formation: **D**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 10:48:21
 Time Test Ended: 15:15:21
 Interval: **4108.00 ft (KB) To 4130.00 ft (KB) (TVD)**
 Total Depth: **4130.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Shane McBride**
 Unit No: **40**
 Reference Elevations: **3133.00 ft (KB)**
3123.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8368 Outside
 Press@RunDepth: **288.22 psig @ 4113.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.10.20** End Date: **2010.10.20** Last Calib.: **2010.10.20**
 Start Time: **08:51:06** End Time: **15:00:21** Time On Btm: **2010.10.20 @ 10:47:51**
 Time Off Btm: **2010.10.20 @ 13:08:36**

TEST COMMENT: B.O.B. in 11 min
 No return
 B.O.B. in 13 min
 No return



PRESSURE SUMMARY

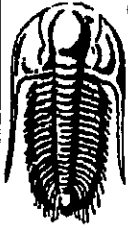
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2006.75	100.76	Initial Hydro-static
1	39.94	100.15	Open To Flow (1)
20	153.68	115.08	Shut-In(1)
50	1133.06	114.37	End Shut-In(1)
51	166.86	113.88	Open To Flow (2)
80	288.22	116.24	Shut-In(2)
141	1134.58	115.33	End Shut-In(2)
141	1953.33	115.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
540.00	water 100%w	6.46
60.00	m c w 25% m 75% w	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

ATTN: Tim Priest

Job Ticket: 039683

DST#: 1

Test Start: 2010.10.20 @ 08:51:06

Tool Information

Drill Pipe:	Length: 3985.00 ft	Diameter: 3.80 inches	Volume: 55.90 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 56.50 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4108.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	42.00 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			4093.00	
Shut In Tool	5.00			4098.00	
Hydraulic tool	5.00			4103.00	
Packer	5.00			4108.00	16.00 Bottom Of Top Packer
Packer - Shale	4.00			4112.00	
Stubb	1.00			4113.00	
Recorder	0.00	6771	Inside	4113.00	
Recorder	0.00	8368	Outside	4113.00	
Perforations	16.00			4129.00	
Bullnose	5.00			4134.00	26.00 Anchor Tool
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

Job Ticket: 039683

DST#: 1

ATTN: Tim Priest

Test Start: 2010.10.20 @ 08:51:06

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 68.00 sec/qt
Water Loss: 6.76 in³
Resistivity: 0.00 ohm.m
Salinity: 3600.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 0 deg API
Water Salinity: 19000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
540.00	water 100%w	6.463
60.00	m c w 25% m 75%w	0.842

Total Length: 600.00 ft Total Volume: 7.305 bbl

Num Fluid Samples: 0

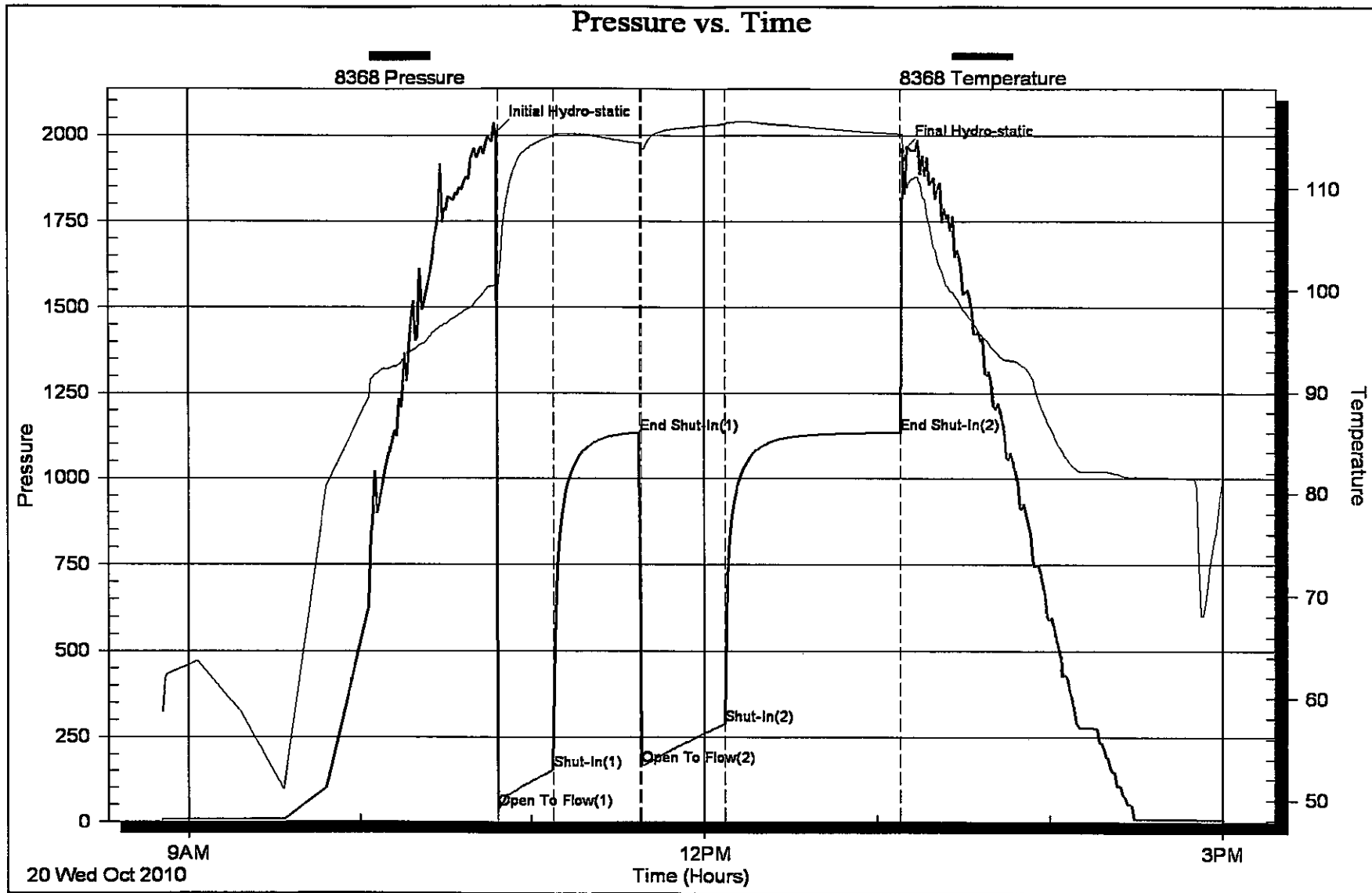
Num Gas Bombs: 0

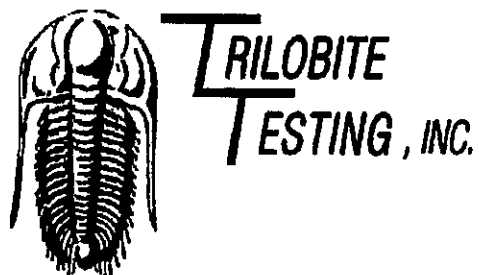
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .286 @ 88*f = 19,000 chlor





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Tim Priest

27-16s-34w Scott,KS

Church of God #1-27

Start Date: 2010.10.21 @ 09:49:00

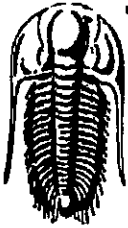
End Date: 2010.10.21 @ 16:19:30

Job Ticket #: 38934 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

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott, KS

Job Ticket: 38934

DST#: 2

ATTN: Tim Priest

Test Start: 2010.10.21 @ 09:49:00

GENERAL INFORMATION:

Formation: LKC 'I&J'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:30:45

Time Test Ended: 16:19:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4266.00 ft (KB) To 4309.00 ft (KB) (TVD)

Total Depth: 4309.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3133.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8357

Inside

Press@RunDepth: 152.40 psig @ 4269.00 ft (KB)

Start Date: 2010.10.21

End Date:

2010.10.21

Start Time: 09:49:05

End Time:

16:19:29

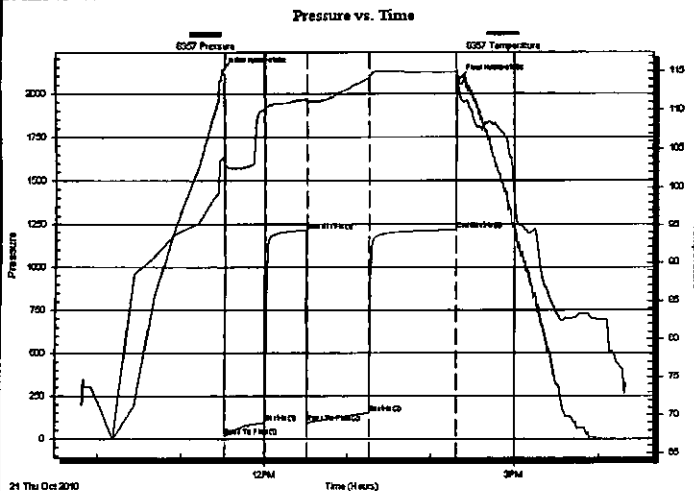
Capacity: 8000.00 psig

Last Calib.: 2010.10.21

Time On Btm: 2010.10.21 @ 11:29:15

Time Off Btm: 2010.10.21 @ 14:19:45

TEST COMMENT: IF: 8" Blow.
IS: No return.
FF: 9" Blow.
FS: No return.



PRESSURE SUMMARY

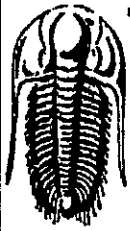
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2130.51	103.83	Initial Hydro-static
2	20.00	102.61	Open To Flow (1)
32	94.09	110.12	Shut-In(1)
62	1214.74	111.33	End Shut-In(1)
62	95.30	110.89	Open To Flow (2)
107	152.40	114.19	Shut-In(2)
169	1218.60	114.93	End Shut-In(2)
171	2083.67	112.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	MW 20m 80w	1.48
120.00	OSWM 25w 75m	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

ATTN: Tim Priest

Job Ticket: 38934

DST#: 2

Test Start: 2010.10.21 @ 09:49:00

Tool Information

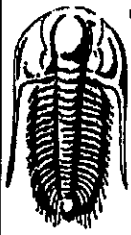
Drill Pipe:	Length: 4153.00 ft	Diameter: 3.80 inches	Volume: 58.26 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			Total Volume: 58.86 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4266.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	63.00 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			4247.00	
Shut In Tool	5.00			4252.00	
Hydraulic tool	5.00			4257.00	
Packer	5.00			4262.00	20.00 Bottom Of Top Packer
Packer	4.00			4266.00	
Stubb	1.00			4267.00	
Perforations	2.00			4269.00	
Recorder	0.00	8357	Inside	4269.00	
Recorder	0.00	6751	Outside	4269.00	
Perforations	5.00			4274.00	
Change Over Sub	1.00			4275.00	
Drill Pipe	30.00			4305.00	
Change Over Sub	1.00			4306.00	
Bullnose	3.00			4309.00	43.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

ATTN: Tim Priest

Job Ticket: 38934

DST#: 2

Test Start: 2010.10.21 @ 09:49:00

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: 31000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.37 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

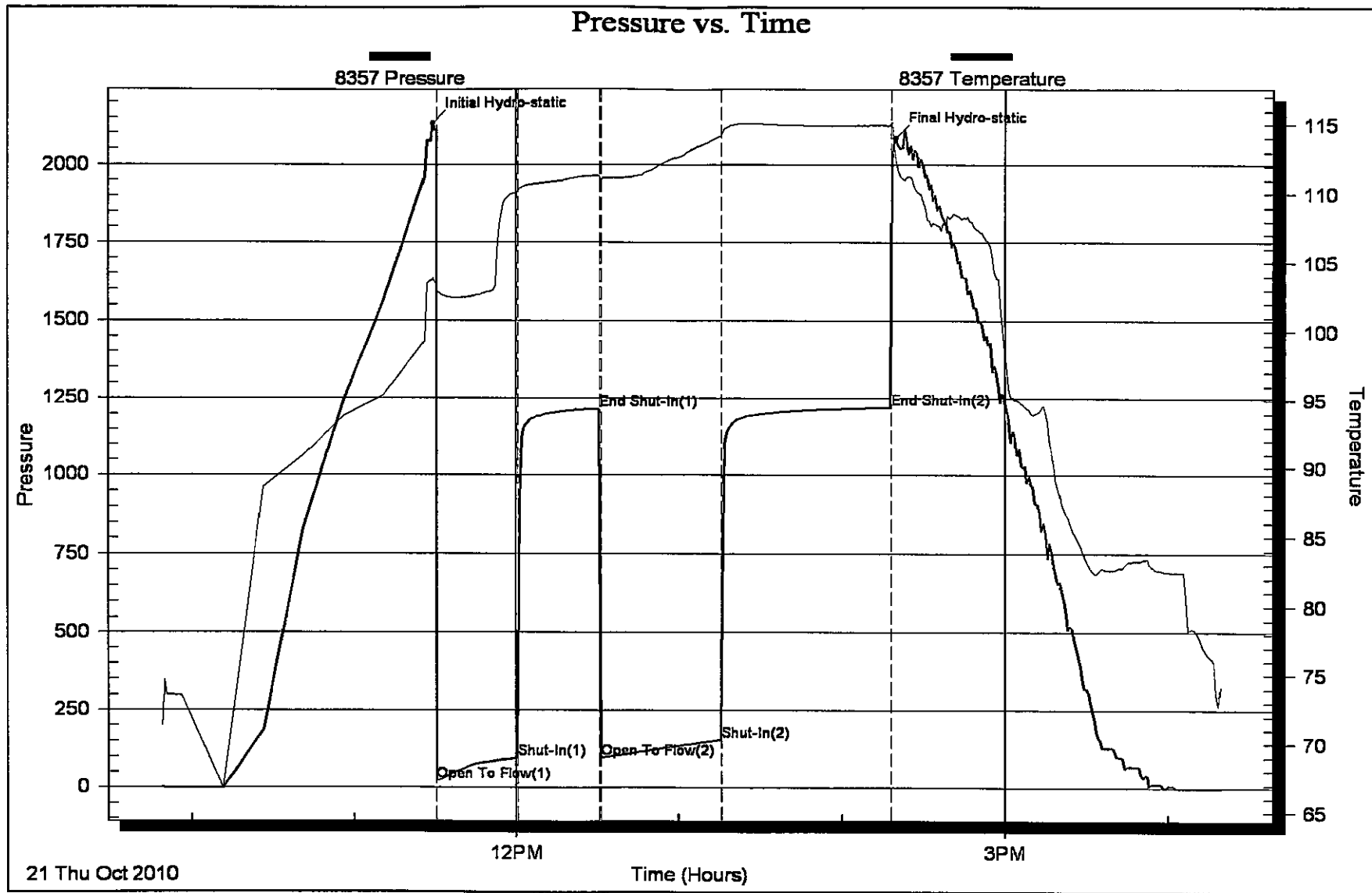
Length ft	Description	Volume bbl
185.00	MW 20m 80w	1.484
120.00	OSWM 25w 75m	1.683

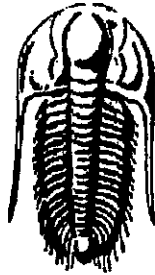
Total Length: 305.00 ft Total Volume: 3.167 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .240 @ 65 degrees F





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Tim Priest

27-16s-34w Scott,KS

Church of God #1-27

Start Date: 2010.10.23 @ 14:10:00

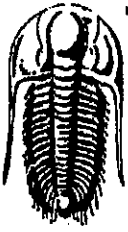
End Date: 2010.10.23 @ 22:11:00

Job Ticket #: 38936 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

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

ATTN: Tim Priest

Job Ticket: 38936

DST#: 3

Test Start: 2010.10.23 @ 14:10:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 15:54:30
 Time Test Ended: 22:11:00

Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37

Interval: 4636.00 ft (KB) To 4730.00 ft (KB) (TVD)
 Total Depth: 4730.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3133.00 ft (KB)
 3123.00 ft (CF)
 KB to GR/CF: 10.00 ft

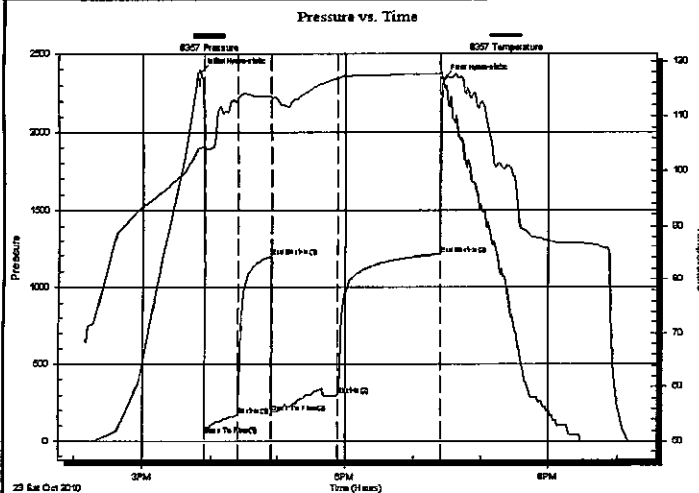
Serial #: 8357

Inside

Press@RunDepth: 300.48 psig @ 4644.00 ft (KB)
 Start Date: 2010.10.23 End Date: 2010.10.23
 Start Time: 14:10:05 End Time: 22:10:59

Capacity: 8000.00 psig
 Last Calib.: 2010.10.23
 Time On Btm: 2010.10.23 @ 15:51:00
 Time Off Btm: 2010.10.23 @ 19:26:15

TEST COMMENT: IF: B.O.B. @ 14 min.
 IS: Surface return..
 FF: B.O.B. @ 15 min
 FS: Surface return died @ 20 min.



PRESSURE SUMMARY

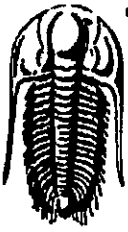
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2385.13	104.29	Initial Hydro-static
4	46.28	103.96	Open To Flow (1)
33	167.70	113.05	Shut-In(1)
63	1196.58	113.55	End Shut-In(1)
64	184.12	113.32	Open To Flow (2)
123	300.48	116.92	Shut-In(2)
213	1209.43	117.73	End Shut-In(2)
216	2341.71	116.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	GOMV 40g 1o 20m 39w	0.90
251.00	GOCM 40g 4o 56m	3.52
184.00	GOCM 30g 5o 65m	2.58
0.00	62 FT. Weak GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott, KS

ATTN: Tim Priest

Job Ticket: 38936

DST#: 3

Test Start: 2010.10.23 @ 14:10:00

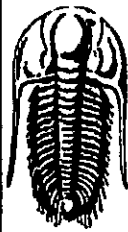
Tool Information

Drill Pipe:	Length: 4436.00 ft	Diameter: 3.80 inches	Volume: 62.23 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 63.13 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 81000.00 lb
Depth to Top Packer:	4636.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	114.00 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			4617.00	
Shut In Tool	5.00			4622.00	
Hydraulic tool	5.00			4627.00	
Packer	5.00			4632.00	20.00 Bottom Of Top Packer
Packer	4.00			4636.00	
Stubb	1.00			4637.00	
Perforations	7.00			4644.00	
Recorder	0.00	8357	Inside	4644.00	
Recorder	0.00	6751	Outside	4644.00	
Perforations	20.00			4664.00	
Change Over Sub	1.00			4665.00	
Drill Pipe	61.00			4726.00	
Change Over Sub	1.00			4727.00	
Bullnose	3.00			4730.00	94.00 Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

Job Ticket: 38936

DST#: 3

ATTN: Tim Priest

Test Start: 2010.10.23 @ 14:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APt

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	GOMV 40g 1o 20m 39w	0.900
251.00	GOCM 40g 4o 56m	3.521
184.00	GOCM 30g 5o 65m	2.581
0.00	62 FT. Weak GIP	0.000

Total Length: 618.00 ft Total Volume: 7.002 bbl

Num Fluid Samples: 0

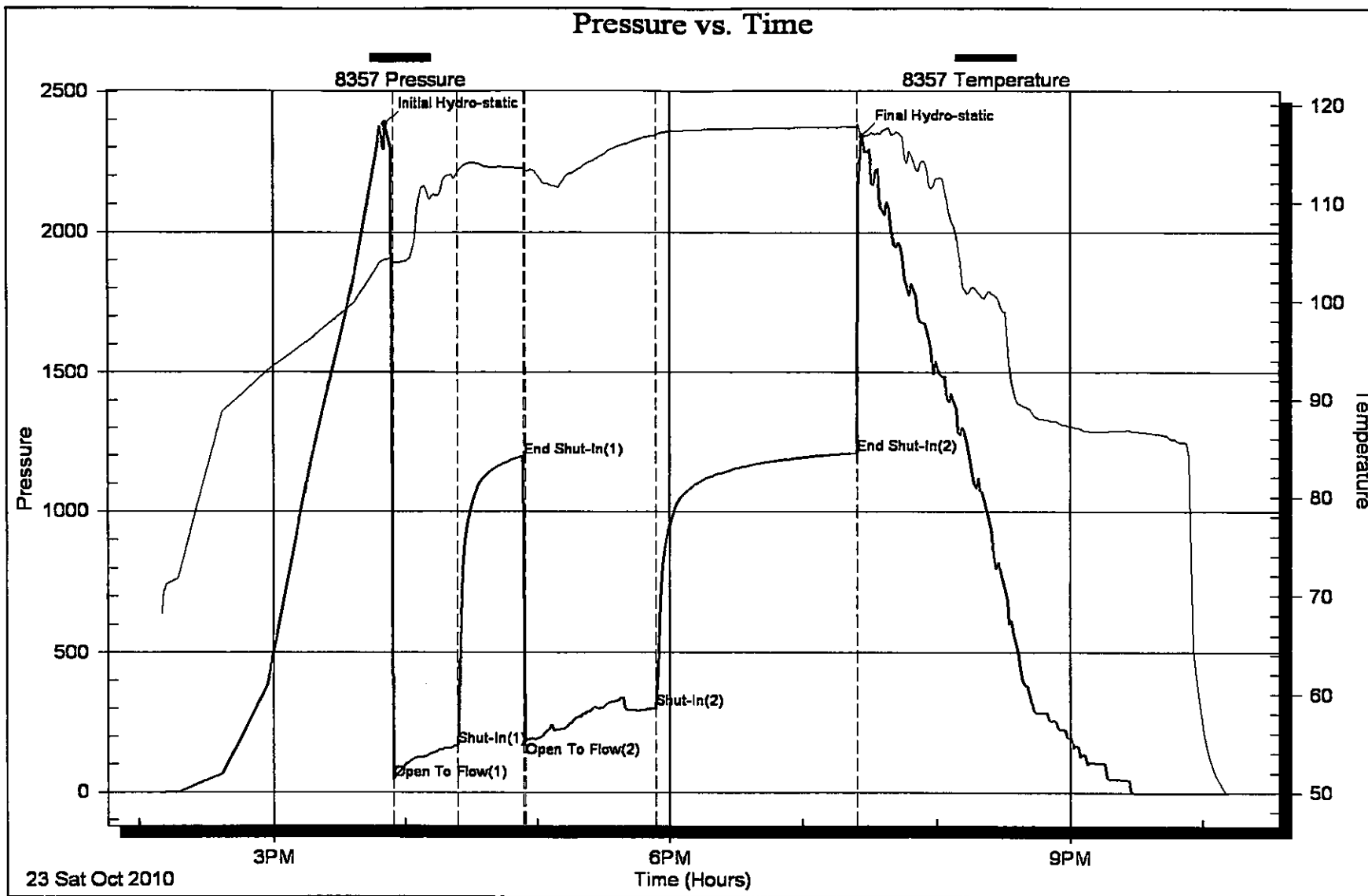
Num Gas Bombs: 0

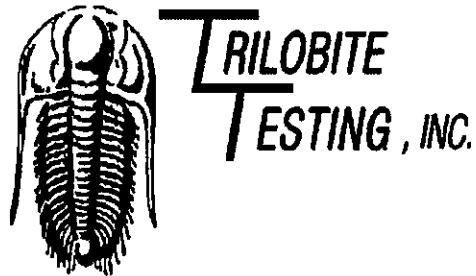
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .259 @ 50 degrees F





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Tim Priest

27-16s-34w Scott,KS

Church of God #1-27

Start Date: 2010.10.24 @ 23:05:00

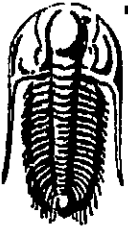
End Date: 2010.10.25 @ 02:41:10

Job Ticket #: 38937 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

202 W Main St
Salem, IL 62881

ATTN: Tim Priest

Church of God #1-27

27-16s-34w Scott,KS

Job Ticket: 38937

DST#: 4

Test Start: 2010.10.24 @ 23:05:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 02:41:10

Test Type: Conventional Straddle

Tester: Chuck Smith

Unit No: 37

Interval: **4698.00 ft (KB) To 4732.00 ft (KB) (TVD)**

Total Depth: **4876.00 ft (KB) (TVD)**

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

Reference Elevations: 3133.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **8018** Inside

Press@RunDepth: psig @ **4708.00 ft (KB)**

Start Date: **2010.10.24**

End Date: **2010.10.25**

Start Time: **23:05:05**

End Time: **02:41:10**

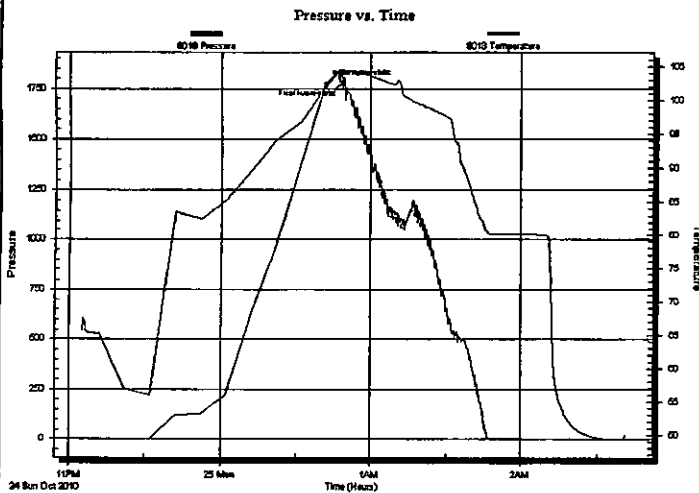
Capacity: **8000.00 psig**

Last Calib.: **2010.10.25**

Time On Btm: **2010.10.25 @ 00:42:00**

Time Off Btm: **2010.10.25 @ 00:48:40**

TEST COMMENT: Did not get to bottom before finding error in tail pipe length.
Tim had told me 44 feet tail pipe and 34 anchor on the phone instead of 144 feet tail pipe.



PRESSURE SUMMARY

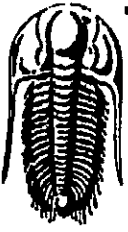
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.25	102.02	Initial Hydro-static
7	1782.20	104.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott, KS

ATTN: Tim Priest

Job Ticket: 38937

DST#: 4

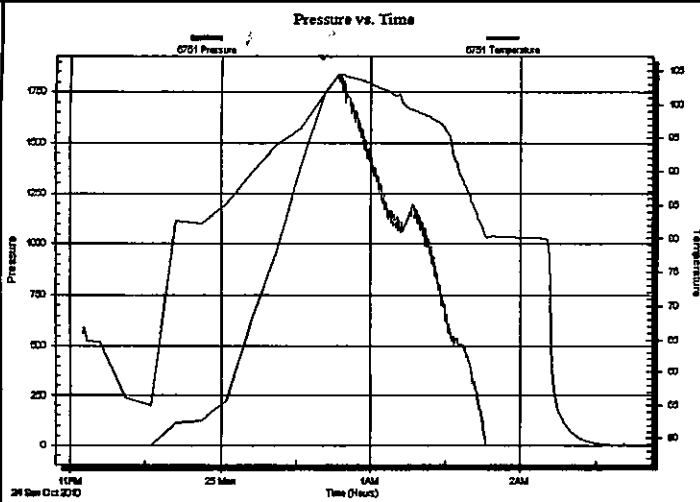
Test Start: 2010.10.24 @ 23:05:00

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle
 Time Tool Opened: Tester: Chuck Smith
 Time Test Ended: 02:41:10 Unit No: 37
 Interval: 4698.00 ft (KB) To 4732.00 ft (KB) (TVD) Reference Elevations: 3133.00 ft (KB)
 Total Depth: 4876.00 ft (KB) (TVD) 3123.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: **6751** Outside
 Press@RunDepth: psig @ 4742.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.10.24 End Date: 2010.10.25 Last Calib.: 1899.12.30
 Start Time: 23:05:05 End Time: 02:41:10 Time On Btm:
 Time Off Btm:

TEST COMMENT: Did not get to bottom before finding error in tail pipe length.
 Tim had told me 44 feet tail pipe and 34 anchor on the phone instead of 144 feet tail pipe.



PRESSURE SUMMARY

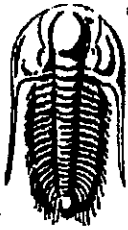
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

Job Ticket: 38937

DST#: 4

ATTN: Tim Priest

Test Start: 2010.10.24 @ 23:05:00

Tool Information

Drill Pipe:	Length: 4390.00 ft	Diameter: 3.80 inches	Volume: 61.58 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:	lb
Drill Collar:	Length: 305.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 63.08 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4698.00 ft			Final	lb
Depth to Bottom Packer:	4732.00 ft				
Interval between Packers:	34.00 ft				
Tool Length:	99.00 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			4679.00	
Shut In Tool	5.00			4684.00	
Hydraulic tool	5.00			4689.00	
Packer	5.00			4694.00	20.00 Bottom Of Top Packer
Packer	4.00			4698.00	
Stubb	1.00			4699.00	
Perforations	9.00			4708.00	
Recorder	0.00	8018	Inside	4708.00	
Recorder	0.00	8357	Outside	4708.00	
Perforations	20.00			4728.00	
Blank Off Sub	1.00			4729.00	
top of s pack	3.00			4732.00	34.00 Tool Interval
Packer	1.00			4733.00	
Stubb	1.00			4734.00	
Perforations	8.00			4742.00	
Recorder	0.00	6751	Outside	4742.00	
Change Over Sub	1.00			4743.00	
Drill Pipe	30.00			4773.00	
Change Over Sub	1.00			4774.00	
Bullnose	3.00			4777.00	45.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc
202 W Main St
Salem, IL 62881
ATTN: Tim Priest

Church of God #1-27
27-16s-34w Scott, KS
Job Ticket: 38937 DST#: 4
Test Start: 2010.10.24 @ 23:05:00

Mud and Cushion Information

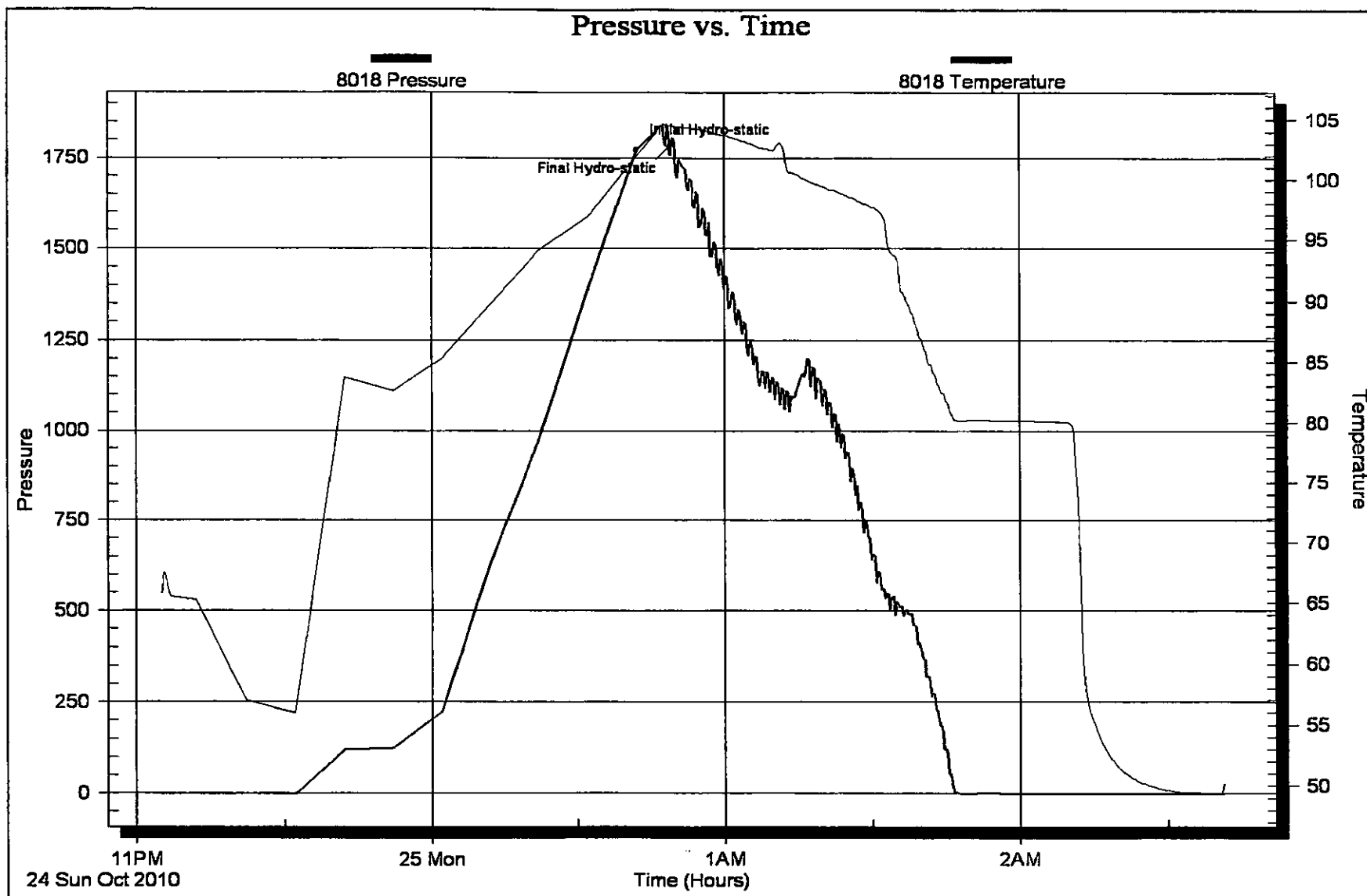
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6300.00 ppm			
Filter Cake: 2.00 inches			

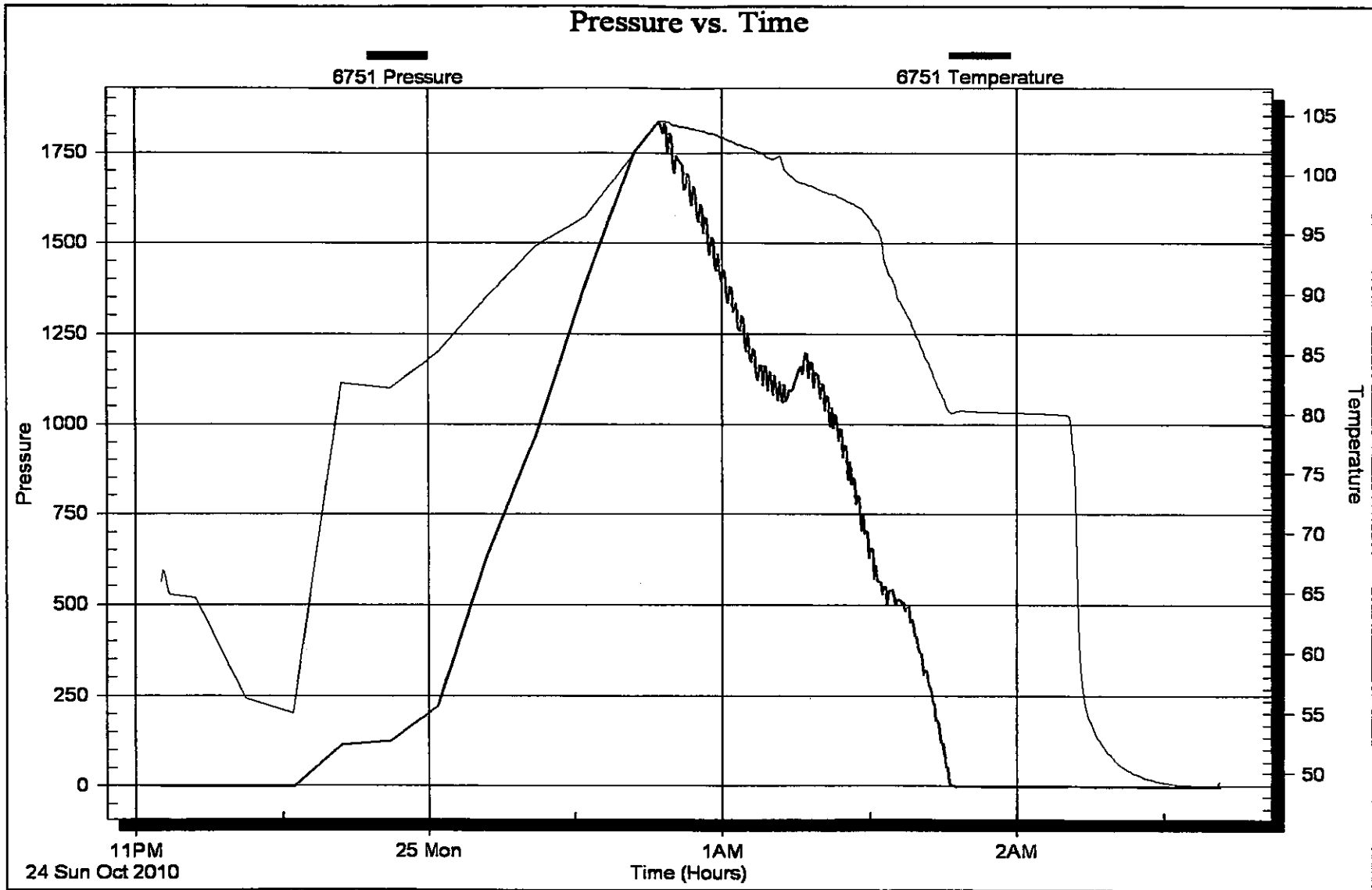
Recovery Information

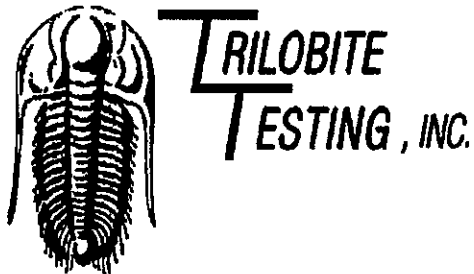
Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co Inc**

202 W Main St
Salem, IL 62881

ATTN: Tim Priest

27-16s-34w Scott,KS

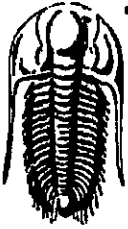
Church of God #1-27

Start Date: 2010.10.25 @ 09:05:00

End Date: 2010.10.25 @ 17:10:00

Job Ticket #: 38938 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

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott,KS

Job Ticket: 38938

DST#: 5

ATTN: Tim Priest

Test Start: 2010.10.25 @ 09:05:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 17:10:00

Test Type: Conventional Straddle

Tester: Chuck Smith

Unit No: 37

Interval: 4699.00 ft (KB) To 4733.00 ft (KB) (TVD)

Reference Elevations: 3133.00 ft (KB)

Total Depth: 4876.00 ft (KB) (TVD)

3123.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8018 Inside

Press@RunDepth: psig @ 4701.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.25

End Date: 2010.10.25

Last Calib.: 2010.10.25

Start Time: 09:05:05

End Time: 17:09:59

Time On Btm: 2010.10.25 @ 11:21:10

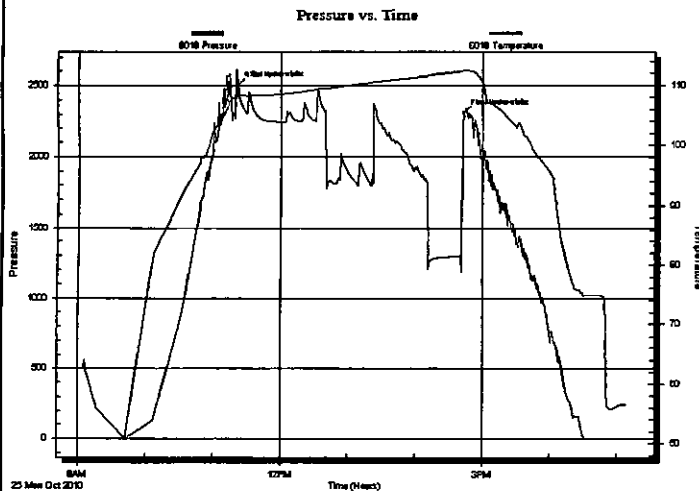
Time Off Btm: 2010.10.25 @ 14:43:09

TEST COMMENT: FF:Wk surf bl died @3min. Tool seemed hung up in hole, "soft" open.

IS:No rtn

FF: Wk surf bl, flushed tool @14min., w k surf bl died @19min

FS:No rtn. See notes in Tool and Fluid comments



PRESSURE SUMMARY

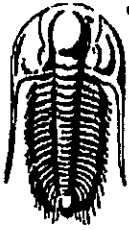
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2500.50	108.29	Initial Hydro-static
202	2305.39	112.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100%M	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott, KS

Job Ticket: 38938

DST#: 5

ATTN: Tim Priest

Test Start: 2010.10.25 @ 09:05:00

Tool Information

Drill Pipe:	Length: 4377.00 ft	Diameter: 3.80 inches	Volume: 61.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 32000.00 lb
Drill Collar:	Length: 305.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 62.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 94000.00 lb
Depth to Top Packer:	4699.00 ft			Final 94000.00 lb
Depth to Bottom Packer:	4733.00 ft			
Interval between Packers:	34.00 ft			
Tool Length:	198.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

After test, found that tool had not turned the full 5 turns as we thought during the first close, only 3 turns which put it out of sync.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4680.00	
Shut In Tool	5.00			4685.00	
Hydraulic tool	5.00			4690.00	
Packer	5.00			4695.00	20.00 Bottom Of Top Packer
Packer	4.00			4699.00	
Stubb	1.00			4700.00	
Perforations	1.00			4701.00	
Recorder	0.00	8018	Inside	4701.00	
Recorder	0.00	6751	Outside	4701.00	
Perforations	28.00			4729.00	
Blank Off Sub	1.00			4730.00	
top of s pack	3.00			4733.00	34.00 Tool Interval
Packer	1.00			4734.00	
Stubb	1.00			4735.00	
Perforations	16.00			4751.00	
Recorder	0.00	8357	Below	4751.00	
Change Over Sub	1.00			4752.00	
Drill Pipe	121.00			4873.00	
Change Over Sub	1.00			4874.00	
Bullnose	3.00			4877.00	144.00 Bottom Packers & Anchor
Total Tool Length:	198.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co Inc

Church of God #1-27

202 W Main St
Salem, IL 62881

27-16s-34w Scott, KS

Job Ticket: 38938

DST#: 5

ATTN: Tim Priest

Test Start: 2010.10.25 @ 09:05:00

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: 68.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Note: Had trouble turning string, came off bottom

