

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

12/7/10

Operator: License # 7311
Name: Shakespeare Oil Company, Inc.
Address: 202 West Main Street
City/State/Zip: Salem, IL 62881
Purchaser: NCRA
Operator Contact Person: Donald R. Williams
Phone: (618) 548-1585
Contractor: Name: HD Drilling, LLC
License: 33935
Wellsite Geologist: Steve Davis

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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. _____

10/27/10	11/9/10	11/9/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 109-20904 - 0000
County: Logan
SW NW NE SE Sec. 28 Twp. 14 S. R. 32 East West
498 feet from S / (N) (circle one) Line of Section
1215 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Ottley Well #: 1-28
Field Name: Smoky Hill
Producing Formation: _____
Elevation: Ground: 2673' Kelly Bushing: 2683'
Total Depth: 4420' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 268' 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 DANJ 12/16/10
(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: 11/7/10 12/7/10
Subscribed and sworn to before me this 7th day of December,
20 10.
Notary Public: Melissa A. Noel
Date Commission Expires: 11-6-11

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

KCC Office Use ONLY
 Letter of Confidentiality Received 12/7/10 - 12/7/12
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
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DEC 10 2010

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Operator Name: Shakespeare Oil Company, Inc. Lease Name: Ottley Well #: 1-28
 Sec. 28 Twp. 14 S. R. 32 East West County: Logan

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <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, CDL/CNL/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#	268'	ASC	175	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
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Date of First, Resumerd Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>
--	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	Production Interval <input type="checkbox"/> Other <i>(Specify)</i>
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Shakespeare Oil Company, Inc.
Ottley #1-28
498'FNL, 1215'FEL, NE/4, Sec. 28-14S-32W
Logan County, KS
API# 15-109-20904
EGL 2673'; EKB 2683'

Summary of Well Information

Spud Date/Finish Date: 10/28/2010 - 11/09/2010
Field: Chalk Buttes
Drilling Contractor/Rig No: HD Drilling Co./ Rig #2
Total Depth: DTD 4420'; LTD 4413'
Surface Casing: 8 5/8", 23# set at 268', Allied cmt'd with 175 sacks
Production casing: N/A
Drill Time Kept: 3400' to 4420'
Samples Examined: 3550' to 4420'
Prospect Geologist: Shakespeare Staff
Wellsite Geologist: Steve Davis
Drill Stem Test Co./Tester: Trilobite Testing/Brad Walter/ Kevin Mack
Number of Tests: 8
Core Company/Core Man: N/A
Mud Company/Engineer: MudCo. / Reed 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 3550'-4420'
Well Status: P&A, 11/09/10, PD 7:00 PM

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SHAKESPEARE OIL COMPANY, INC.

Ottley #1-28

498' FNL 1215' FEL, NE/4, Sec. 28-14S-32W

Logan Co., KS

API# 15-109-20904; EGL 2673'; EKB 2683'

Spud Date: 10/28/2010
 Completion Date: 11//09010
 Drilling Contractor: HD Drilling Rig #2
 Wellsite Geologist: Steve Davis
 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>
Cedar Hills Ss	1550' +1133'	1726' +957'	
Stone Corral Anhy	2118' +565'	2138' +545'	
Stotler	3268' -585'		
Topeka	3465' -782'		
Heebner Shale	3631' -948'	3634' -951'	
Toronto	3647' -964'		
Lansing	3668' -985'		sso DST#1, #2
Muncie Creek Sh	3829' -1146'	3832' -1149'	
LKC-"H"	3847' -1164'		sso DST #3
LKC-"I"	3875' -1192'		sso DST #3
LKC-"J"	3899' -1216'		nso
Stark Shale	3918' -1235'	3920' -1237'	
LKC-"K"	3924' -1241'		sso DST #4
Hushpuckney Sh	3954' -1271'	3956' -1273'	
LKC-"L"	3960' -1277'		sso DST #5
BKC	4000' -1317'		
Marmaton	4057' -1374'		sso DST #6
Pawnee	4128' -1445'		sso DST #6
Myric Station	4166' -1483'		sso DST #7
Fort Scott	4182' -1499'		sso DST #7
L. Cherokee Sh	4209' -1526'	4213' -1530'	
Johnson	4254' -1571'		sso DST #8
Cherokee Ss	4291' -1608'	4296' -1613'	nso
Morrow Shale	4296' -1613'		
Missippian	4320' -1637'		
DTD	4420' -1737'		

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DST #1 Lansing "B" 3694'-3725' 30-30-30-60. Rec'd 25' WCM (40% wtr, 60% mud).
 IF: 1" blow - no return, FF: 1" blow - no return, IFP 15-26#, FFP 27-38#, ISIP 1199#,
 FSIP 1205#, BHT = 101⁰ F.

DST #2 LKC "D-F" 3750'-3788' 30-30-45-60. Rec'd 60' GIP, 110' GMCW (2% gas, 49% mud, 49% wtr), 170' MCW (15% mud, 85% wtr) & 10' mud. IF: 9" blow - no return, FF: 9 1/2" blow - no return, IFP 18-92#, FFP 95-151#, ISIP 1152#, FSIP 1130#, BHT = 109⁰ F.

DST #3 LKC "H-I" 3830'-3900' 30-30-45-60. Rec'd 60' WCM (10% wtr, 90% mud w/oil spots) & 60' mud. IF: 2 3/4" blow - no return, FF: 1" blow - no return, IFP 48-65#, FFP 75-91#, ISIP 894#, FSIP 972#, BHT = 107⁰ F.

DST #4 LKC "K" 3919'-3955' 30-30-30-30. Rec'd 60' WCM (10% wtr, 90% mud). IF: 1" blow - no return, FF: weak surface blow - no return, IFP 20-25#, FFP 27-35#, ISIP 1190#, FSIP 1167#, BHT = 102⁰ F.

DST #5 LKC "L" 3957'-4000' 30-30-30-30. Rec'd 30' WCM (5% wtr, 95% mud). IF: 1/4" blow - no return, FF: 1/8" blow - no return, IFP 17-22#, FFP 20-23#, ISIP 803#, FSIP 706#, BHT = 102⁰ F.

DST #6 Altamont - Pawnee 4116'-4150' 30-30-45-90. Rec'd 90' MCW w/ oil spots (70% wtr, 30% mud), 180' MCW (90% wtr, 10% mud), 720' SW & 60' MCW (90% wtr, 10% mud). IF: BOB in 7 min - 1/4" return after 15 min, FF: BOB in 7 1/2 min - 1/2" return after 10 min, IFP 29-242#, FFP 243-491#, ISIP 1149#, FSIP 1104#, BHT = 123⁰ F.

DST #7 Myrick Station - Ft. Scott 4154'-4210' 30-30-45-90. Rec'd 110' Mud w/ oil spots. IF: 2 1/4" blow - no return, FF: 1 1/4" blow - no return, IFP 26-51#, FFP 54-74#, ISIP 988#, FSIP 1054#, BHT = 108⁰ F.

DST #8 Johnson 4234'-4282' 30-30-45-60. Rec'd 180' Mud & 60' WCM (10% wtr, 90% mud). IF: 4 1/2" blow - no return, FF: 3" blow - no return, IFP 58-91#, FFP 94-109#, ISIP 1183#, FSIP 1118#, BHT = 108⁰ F.

No cores were taken.

Logs: Weatherford - Array Induction/SP/GR, CD/CN/ML/GR, Sonic. LTD 4413'

Status: **P&A as follows: 25 sx @ 2132', 100 sx @ 1023', 40 sx @ 320', 10 sx @ 40' & rathole 30 sx, total 205 sx 60/40 Poz w/ 4% gel & 1/4# floseal/sx. PD @ 7:00 pm.**

Respectfully submitted,

Dale K. Helpingstine
Geologist, IL#196-000596

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PO BOX 31 Russell, KS 67665

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

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INVOICE

Invoice Number: 125237
Invoice Date: Nov 9, 2010
Page: 1

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

fill

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #1-28	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Nov 9, 2010	12/9/10

Quantity	Item	Description	Unit Price	Amount
123.00	MAT	Class A Common	15.45	1,900.35
82.00	MAT	Pozmix	8.00	656.00
7.00	MAT	Gel	20.80	145.60
51.00	MAT	Flo Seal	2.50	127.50
212.00	SER	Handling	2.40	508.80
20.00	SER	Mileage 212 sx @.10 per sk per mi	21.20	424.00
1.00	SER	Plug to Abandon	1,185.00	1,185.00
20.00	SER	Pump Truck Mileage	7.00	140.00
1.00	EQP	4.5 Dry Hole Plug	40.00	40.00

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Subtotal	5,127.25
Sales Tax	374.29
Total Invoice Amount	5,501.54
Payment/Credit Applied	
TOTAL	5,501.54

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

\$ 1025 45

ONLY IF PAID ON OR BEFORE
Dec 4, 2010

ALLIED CEMENTING CO., LLC. 035151A

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

SERVICE POINT: OAKLEY

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DATE <u>11-9-10</u>	SEC <u>28</u>	TWP. <u>14S</u>	RANGE <u>32W</u>	ON LOCATION <u>4:15 PM</u>	JOB START <u>6:30 PM</u>	JOB FINISH <u>7:00 PM</u>
LEASE <u>OAKLEY</u>			WELL # <u>1-28</u>	LOCATION <u>OAKLEY 205-3W</u>	COUNTY <u>LOGAN</u>	STATE <u>K</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)						

CONTRACTOR H-A ORLS RIG # 2

TYPE OF JOB PTA

HOLE SIZE 7 7/8" T.D.

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2" DEPTH 2132'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER SAME

CEMENT AMOUNT ORDERED 205 SKS 60/40 P02 4% GEL 1/4" # Flo-SEAL

COMMON	17.3 SKS	@	15 ⁴⁵	1900 ³⁵
POZMIX	82 SKS	@	8 ⁰⁰	656 ⁰⁰
GEL	7 SKS	@	20 ⁸⁰	145 ⁶⁰
CHLORIDE		@		
ASC		@		
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	<u>Flo-SEAL 51"</u>	@	2 ⁵⁰	127 ⁵⁰
HANDLING	212 SKS	@	2 ⁴⁰	508 ⁸⁰
MILEAGE	<u>10¢ PER SK</u>	@	<u>1 MILE</u>	424 ⁰⁰
				TOTAL 3762⁷⁰

EQUIPMENT

PUMP TRUCK # 422 CEMENTER TERRY HELPER TERRY

BULK TRUCK # 386 DRIVER DARRIN

BULK TRUCK # _____ DRIVER _____

REMARKS:

25 SKS AT 2132'

100 SKS AT 1023'

46 SKS AT 320'

10 SKS AT 40'

30 SKS RAT HOLE

THANK YOU

CHARGE TO: SHAKESPEARE OIL & GAS

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	2132'			
PUMP TRUCK CHARGE				1185 ⁰⁰
EXTRA FOOTAGE		@		
MILEAGE	20	@	7 ⁰⁰	140 ⁰⁰
MANIFOLD		@		
				TOTAL 1325⁰⁰

PLUG & FLOAT EQUIPMENT

1- DRY Hole Plug	@		40 ⁰⁰
	@		
	@		
	@		
	@		
			TOTAL 40⁰⁰

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

PRINTED NAME Brad Roberts

SIGNATURE Brad Roberts

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 125093

Invoice Date: Oct 28, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

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

File

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Shak	Ottley #1-28	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Oct 28, 2010	11/27/10

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	15.45	2,703.75
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
184.00	SER	Handling	2.40	441.60
20.00	SER	Mileage 184 sx @ .10 per sk per mi	18.40	368.00
1.00	SER	Surface	1,018.00	1,018.00
20.00	SER	Pump Truck Mileage	7.00	140.00

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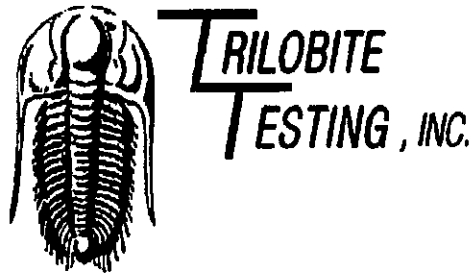
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NOV 08 2010

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

\$ 1016.59

ONLY IF PAID ON OR BEFORE
Nov 22, 2010

Subtotal	5,082.95
Sales Tax	227.42
Total Invoice Amount	5,310.37
Payment/Credit Applied	
TOTAL	5,310.37



DRILL STEM TEST REPORT

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

202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

Ottley #1-28

Start Date: 2010.11.02 @ 09:18:00

End Date: 2010.11.02 @ 16:00:45

Job Ticket #: 039512 DST #: 1

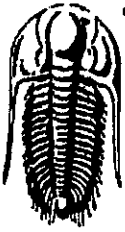
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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespeare Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

ATTN: Steve Davis

Job Ticket: 039512

DST#: 1

Test Start: 2010.11.02 @ 09:18:00

GENERAL INFORMATION:

Formation: **Lansing "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:32:45

Time Test Ended: 16:00:45

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 28

Interval: **3694.00 ft (KB) To 3725.00 ft (KB) (TVD)**

Reference Elevations: 2682.00 ft (KB)

Total Depth: 3725.00 ft (KB) (TVD)

2673.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 6753

Inside

Press@RunDepth: 37.92 psig @ 3695.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.02

End Date:

2010.11.02

Last Calib.:

2010.11.02

Start Time: 09:18:05

End Time:

16:00:44

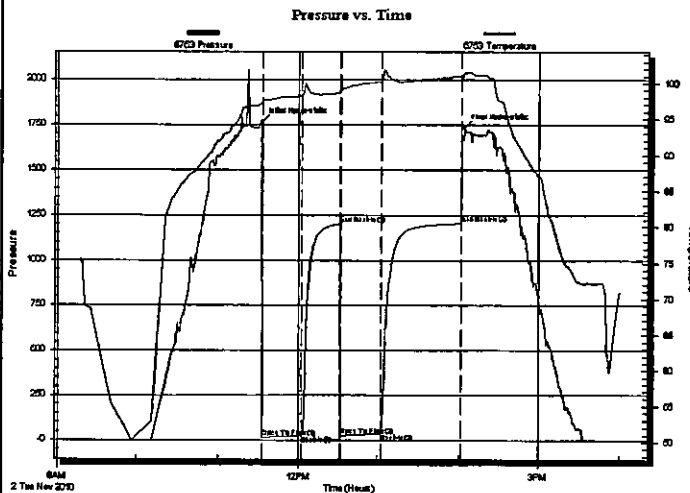
Time On Btm:

2010.11.02 @ 11:32:30

Time Off Btm:

2010.11.02 @ 14:03:30

TEST COMMENT: IF: 1 inch blow.
IS: No return.
FF: 1 inch blow.
FS: No return.



PRESSURE SUMMARY

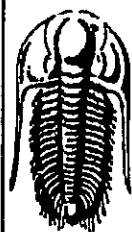
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1768.11	97.18	Initial Hydro-static
1	15.11	97.44	Open To Flow (1)
30	26.02	98.28	Shut-In(1)
59	1199.08	98.65	End Shut-In(1)
60	27.36	99.09	Open To Flow (2)
90	37.92	100.35	Shut-In(2)
149	1204.53	101.01	End Shut-In(2)
151	1734.09	101.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	w cm 40%w 60m w/oil spots	0.12

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039512

DST#: 1

ATTN: Steve Davis

Test Start: 2010.11.02 @ 09:18:00

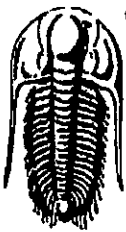
Tool Information

Drill Pipe:	Length: 3563.00 ft	Diameter: 3.80 inches	Volume: 49.98 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: 30000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 50.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3694.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			3667.00	
Shut In Tool	5.00			3672.00	
Hydraulic tool	5.00			3677.00	
Jars	5.00			3682.00	
Safety Joint	2.00			3684.00	
Packer	5.00			3689.00	28.00 Bottom Of Top Packer
Packer	5.00			3694.00	
Stubb	1.00			3695.00	
Recorder	0.00	6753	Inside	3695.00	
Recorder	0.00	8654	Inside	3695.00	
Perforations	27.00			3722.00	
Bullnose	3.00			3725.00	31.00 Bottom Packers & Anchor
Total Tool Length:	59.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan,KS

Job Ticket: 039512

DST#: 1

ATTN: Steve Davis

Test Start: 2010.11.02 @ 09:18:00

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: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.30 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
25.00	w cm 40%w 60m w/oil spots	0.123

Total Length: 25.00 ft

Total Volume: 0.123 bbl

Num Fluid Samples: 0

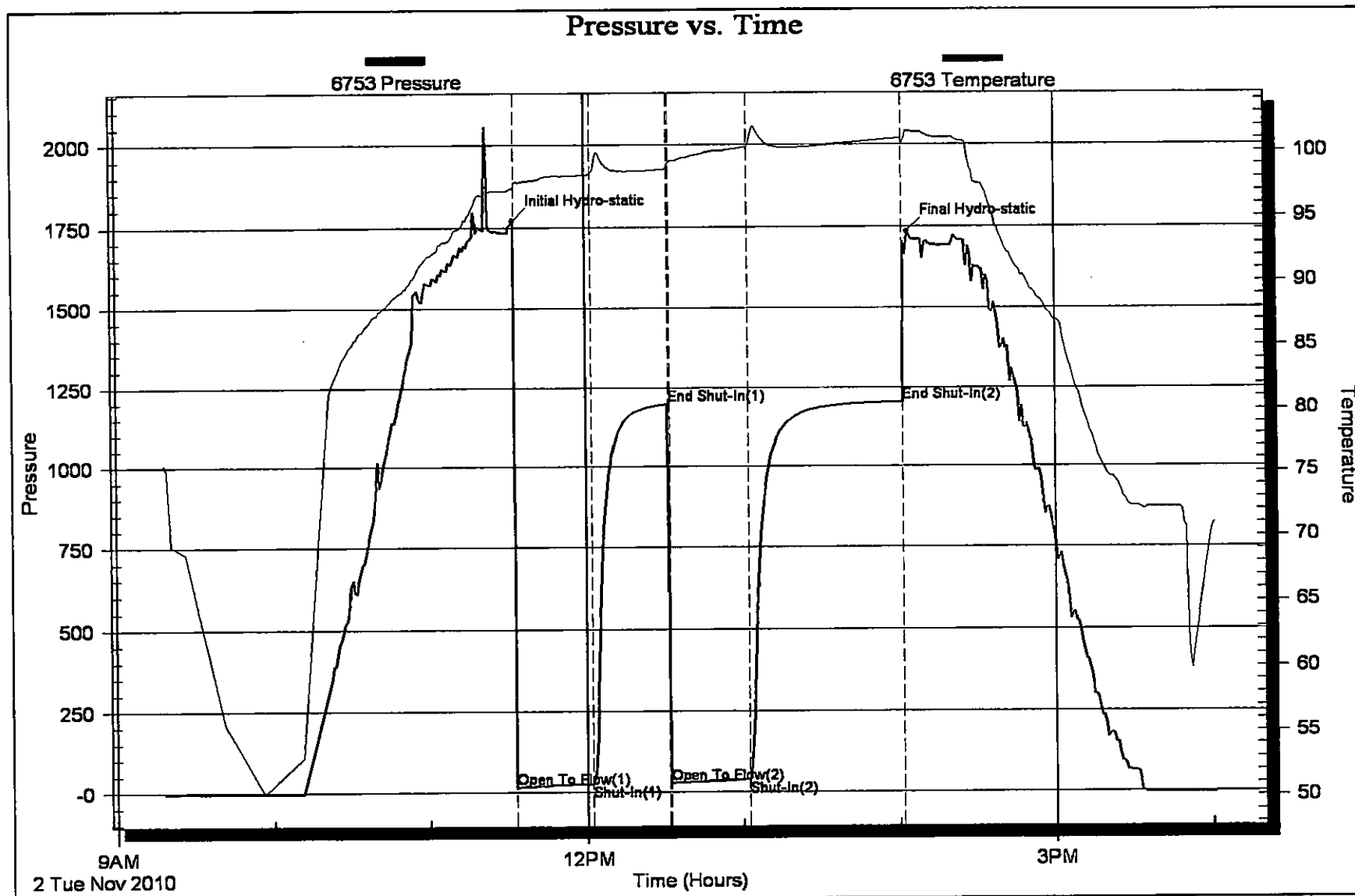
Num Gas Bombs: 0

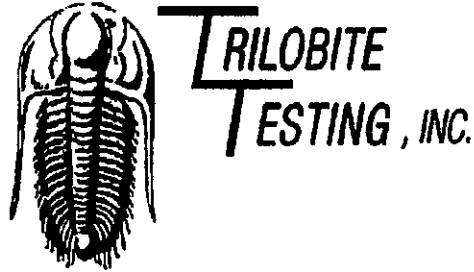
Serial#:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**
202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

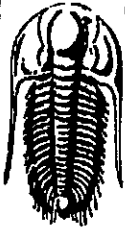
Ottley #1-28

Start Date: 2010.11.03 @ 04:07:00

End Date: 2010.11.03 @ 10:28:15

Job Ticket #: 039513 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

Ottley #1-28

202 W Main Street
Salern, IL 62881

28-14s-32w Logan,KS

ATTN: Steve Davis

Job Ticket: 039513

DST#: 2

Test Start: 2010.11.03 @ 04:07:00

GENERAL INFORMATION:

Formation: **Lansing D E F**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: **05:47:15**
 Time Test Ended: **10:28:15**

Test Type: **Conventional Bottom Hole**
 Tester: **Bradley Walter**
 Unit No: **28**

Interval: **3750.00 ft (KB) To 3788.00 ft (KB) (TVD)**
 Total Depth: **3788.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2682.00 ft (KB)**
2673.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: **6753**

Inside

Press@RunDepth: **150.84 psig @ 3751.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.11.03** End Date: **2010.11.03**

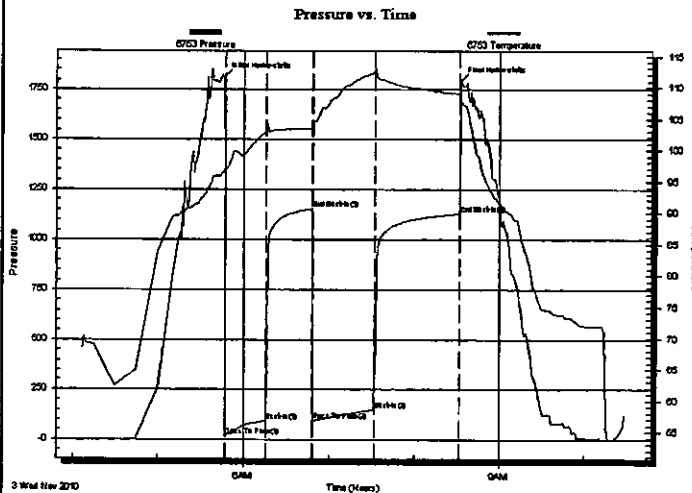
Last Calib.: **2010.11.03**

Start Time: **04:07:05** End Time: **10:28:14**

Time On Btm: **2010.11.03 @ 05:46:45**

Time Off Btm: **2010.11.03 @ 08:32:30**

TEST COMMENT: IF: 9 inches blow.
 IS: No return.
 FF: 9 1/2 inches blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.52	96.56	Initial Hydro-static
1	18.11	97.09	Open To Flow (1)
29	91.56	103.02	Shut-In(1)
61	1152.10	103.46	End Shut-In(1)
62	95.06	104.48	Open To Flow (2)
105	150.84	112.30	Shut-In(2)
165	1129.74	109.01	End Shut-In(2)
166	1792.35	107.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud (heavy) 100%m	0.05
170.00	mcw 15%m 85%w	1.37
110.00	gmcw 2%g 49%m 49%w (show of oil s1.54)	
0.00	60 ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039513

DST#: 2

ATTN: Steve Davis

Test Start: 2010.11.03 @ 04:07:00

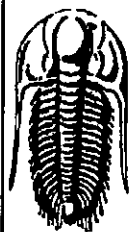
Tool Information

Drill Pipe:	Length: 3621.00 ft	Diameter: 3.80 inches	Volume: 50.79 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 51.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3750.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	66.00 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			3723.00	
Shut In Tool	5.00			3728.00	
Hydraulic tool	5.00			3733.00	
Jars	5.00			3738.00	
Safety Joint	2.00			3740.00	
Packer	5.00			3745.00	28.00 Bottom Of Top Packer
Packer	5.00			3750.00	
Stubb	1.00			3751.00	
Recorder	0.00	6753	Inside	3751.00	
Recorder	0.00	8654	Inside	3751.00	
Perforations	34.00			3785.00	
Bullnose	3.00			3788.00	38.00 Bottom Packers & Anchor
Total Tool Length:	66.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039513

DST#: 2

ATTN: Steve Davis

Test Start: 2010.11.03 @ 04:07:00

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:

45000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.32 in*

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	Mud (heavy) 100%m	0.049
170.00	mcw 15%m 85%w	1.373
110.00	gmcw 2%g 49%m 49%w (show of oil spots	1.543
0.00	60 ft GIP	0.000

Total Length: 290.00 ft

Total Volume: 2.965 bbf

Num Fluid Samples: 0

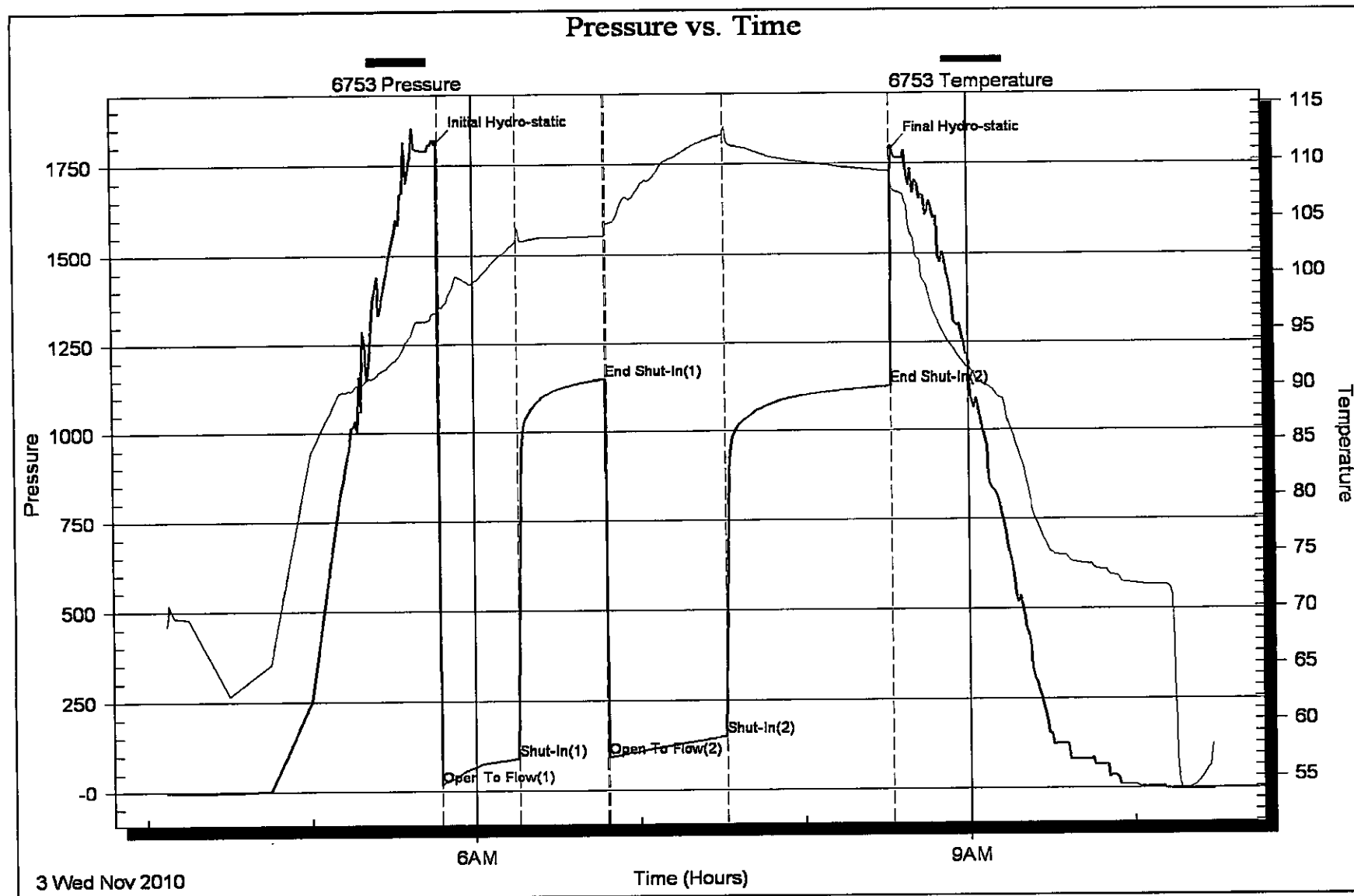
Num Gas Bombs: 0

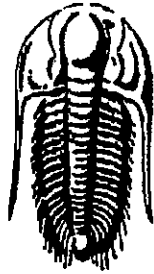
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .172 @ 65 Degrees F = 45000 ppm





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Shakespeare Oil Co, Inc**
202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

Ottley #1-28

Start Date: 2010.11.04 @ 01:19:00

End Date: 2010.11.04 @ 09:11:30

Job Ticket #: 039514 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

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039514

DST#: 3

ATTN: Steve Davis

Test Start: 2010.11.04 @ 01:19:00

GENERAL INFORMATION:

Formation: **Lansing H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:46:45

Time Test Ended: 09:11:30

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 28

Interval: 3830.00 ft (KB) To 3900.00 ft (KB) (TVD)

Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2682.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8654

Inside

Press@RunDepth: 91.07 psig @ 3863.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.04

End Date: 2010.11.04

Last Calib.: 2010.11.04

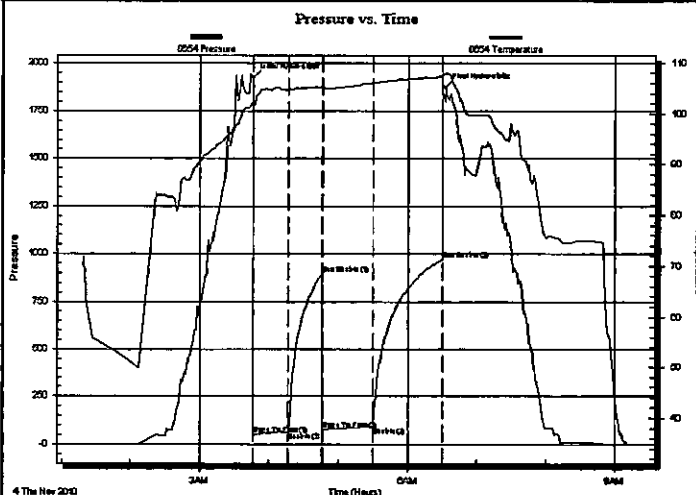
Start Time: 01:19:05

End Time: 09:11:29

Time On Btm: 2010.11.04 @ 03:46:30

Time Off Btm: 2010.11.04 @ 06:32:30

TEST COMMENT: IF: 2 3/4 inch blow.
IS: No return.
FF: 1 inch blow.
FST: No return.



PRESSURE SUMMARY

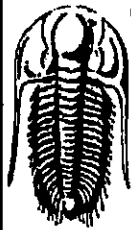
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1926.87	102.14	Initial Hydro-static
1	47.79	101.43	Open To Flow (1)
31	64.87	104.77	Shut-in(1)
60	894.27	105.27	End Shut-in(1)
60	75.05	105.12	Open To Flow (2)
104	91.07	106.13	Shut-in(2)
164	971.74	107.31	End Shut-in(2)
166	1874.61	107.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 10%w 90%m (w / oil spots)	0.30
60.00	mud 100%m (w / oil spots)	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
202 W Main Street
Salem, IL 62881
ATTN: Steve Davis

Ottley #1-28
28-14s-32w Logan, KS
Job Ticket: 039514 **DST#: 3**
Test Start: 2010.11.04 @ 01:19:00

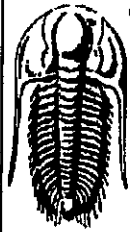
Tool Information

Drill Pipe:	Length: 3685.00 ft	Diameter: 3.80 inches	Volume: 51.69 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume: 52.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3830.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 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			3803.00	
Shut In Tool	5.00			3808.00	
Hydraulic tool	5.00			3813.00	
Jars	5.00			3818.00	
Safety Joint	2.00			3820.00	
Packer	5.00			3825.00	28.00 Bottom Of Top Packer
Packer	5.00			3830.00	
Stubb	1.00			3831.00	
Change Over Sub	1.00			3832.00	
Drill Pipe	30.00			3862.00	
Change Over Sub	1.00			3863.00	
Recorder	0.00	6753	Inside	3863.00	
Recorder	0.00	8654	Inside	3863.00	
Perforations	34.00			3897.00	
Bullnose	3.00			3900.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan,KS

Job Ticket: 039514

DST#: 3

ATTN: Steve Davis

Test Start: 2010.11.04 @ 01:19:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.71 in*

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	w cm 10%w 90%m (w / oil spots)	0.295
60.00	mud 100%m (w / oil spots)	0.295

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

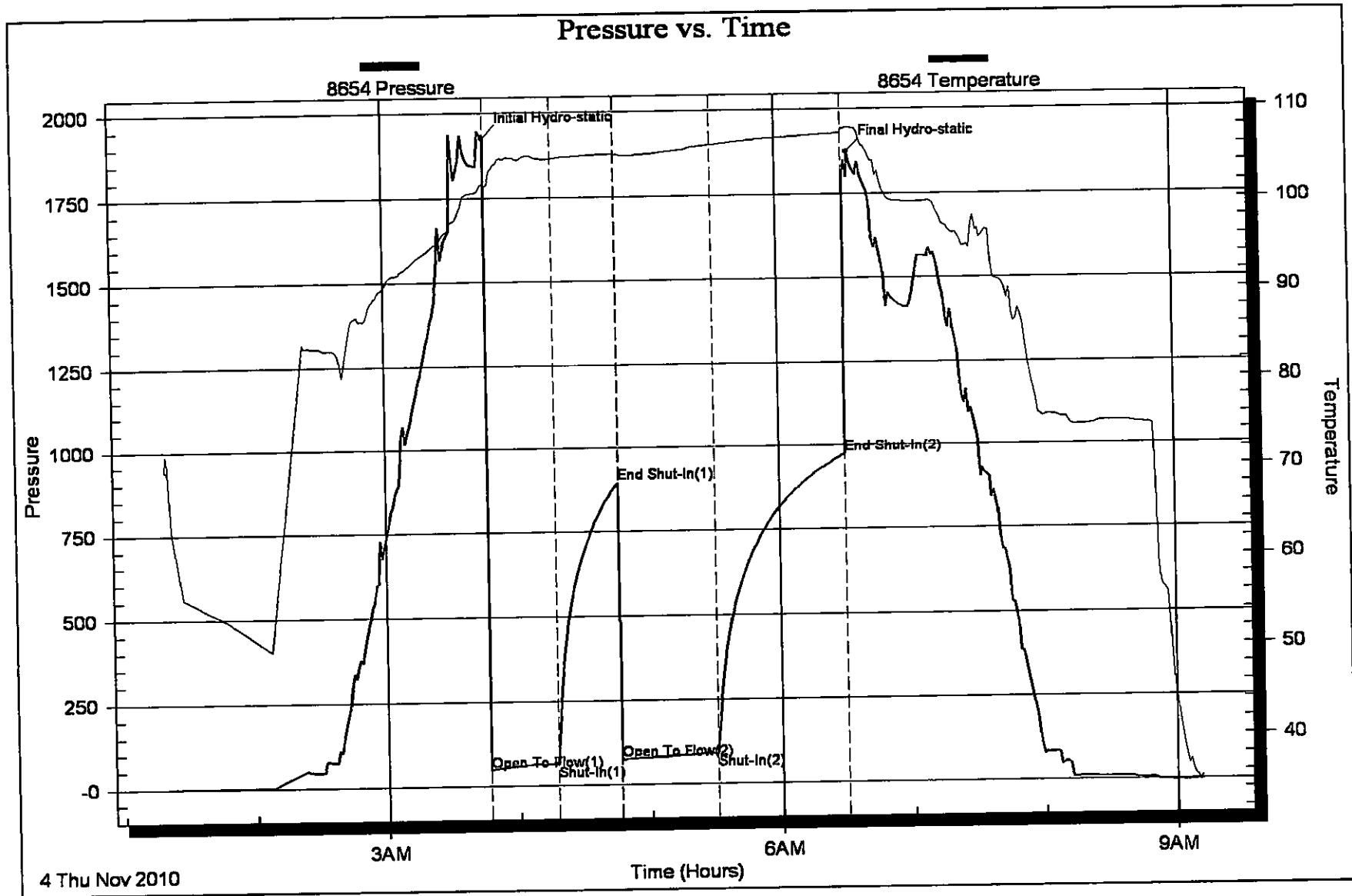
Num Gas Bombs: 0

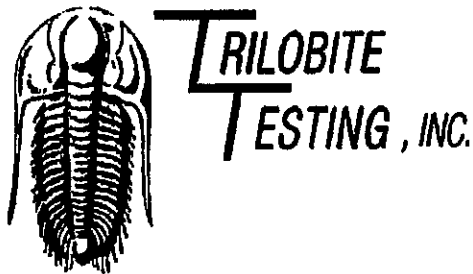
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

Ottley #1-28

Start Date: 2010.11.04 @ 07:50:25

End Date: 2010.11.04 @ 01:28:25

Job Ticket #: 039515 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

Shakespear Oil Co, Inc
 202 W Main Street
 Salem, IL 62881
 ATTN: Steve Davis

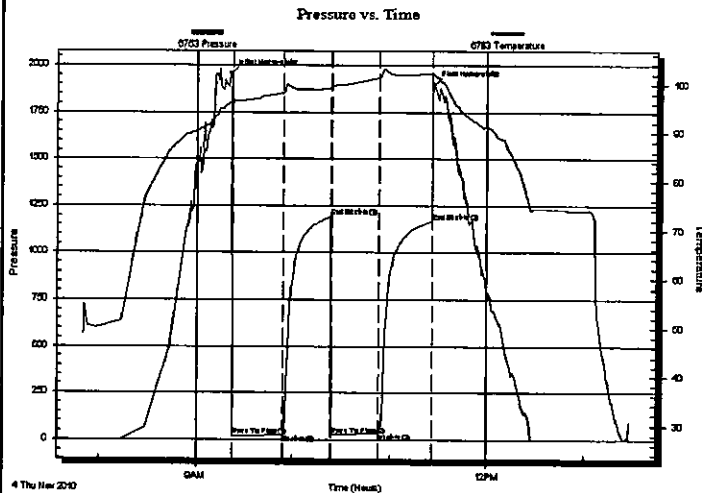
Ottley #1-28
28-14s-32w Logan,KS
 Job Ticket: 039515 DST#: 4
 Test Start: 2010.11.04 @ 07:50:25

GENERAL INFORMATION:

Formation: **Lansing "K"**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **09:22:55**
 Tester: **Kevin Mack**
 Time Test Ended: **01:28:25**
 Unit No: **28**
 Interval: **3915.00 ft (KB) To 3955.00 ft (KB) (TVD)**
 Reference Elevations: **2682.00 ft (KB)**
 Total Depth: **3955.00 ft (KB) (TVD)**
2673.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 KB to GR/CF: **9.00 ft**

Serial #: 6753 **Inside**
 Press@RunDepth: **35.57 psig @ 3916.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.11.04** End Date: **2010.11.04** Last Calib.: **2010.11.05**
 Start Time: **07:50:30** End Time: **13:28:24** Time On Btm: **2010.11.04 @ 09:21:25**
 Time Off Btm: **2010.11.04 @ 11:26:40**

TEST COMMENT: IF: Build to 1"
 IS: No Return
 FF: Started at 12 min. Surface Blow
 FS: No Return



PRESSURE SUMMARY

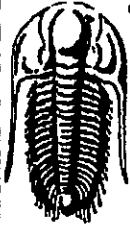
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.74	96.19	Initial Hydro-static
2	20.78	95.53	Open To Flow (1)
33	25.71	98.20	Shut-In(1)
62	1190.44	99.18	End Shut-In(1)
63	27.38	99.56	Open To Flow (2)
92	35.57	101.39	Shut-In(2)
125	1167.39	102.23	End Shut-In(2)
126	1897.10	101.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co, Inc
202 W Main Street
Salem, IL 62881
ATTN: Steve Davis

Ottley #1-28
28-14s-32w Logan,KS
Job Ticket: 039515 DST#: 4
Test Start: 2010.11.04 @ 07:50:25

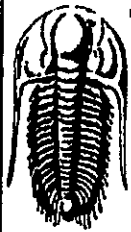
Tool Information

Drill Pipe:	Length: 3771.00 ft	Diameter: 3.80 inches	Volume: 52.90 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: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 53.50 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3915.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 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			3888.00	
Shut In Tool	5.00			3893.00	
Hydraulic tool	5.00			3898.00	
Jars	5.00			3903.00	
Safety Joint	2.00			3905.00	
Packer	5.00			3910.00	28.00 Bottom Of Top Packer
Packer	5.00			3915.00	
Stubb	1.00			3916.00	
Recorder	0.00	8654	Inside	3916.00	
Recorder	0.00	6753	Inside	3916.00	
Perforations	32.00			3948.00	
Bullnose	3.00			3951.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespeare Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan,KS

Job Ticket: 039515

DST#: 4

ATTN: Steve Davis

Test Start: 2010.11.04 @ 07:50:25

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: 63.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	WCM	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbf

Num Fluid Samples: 0

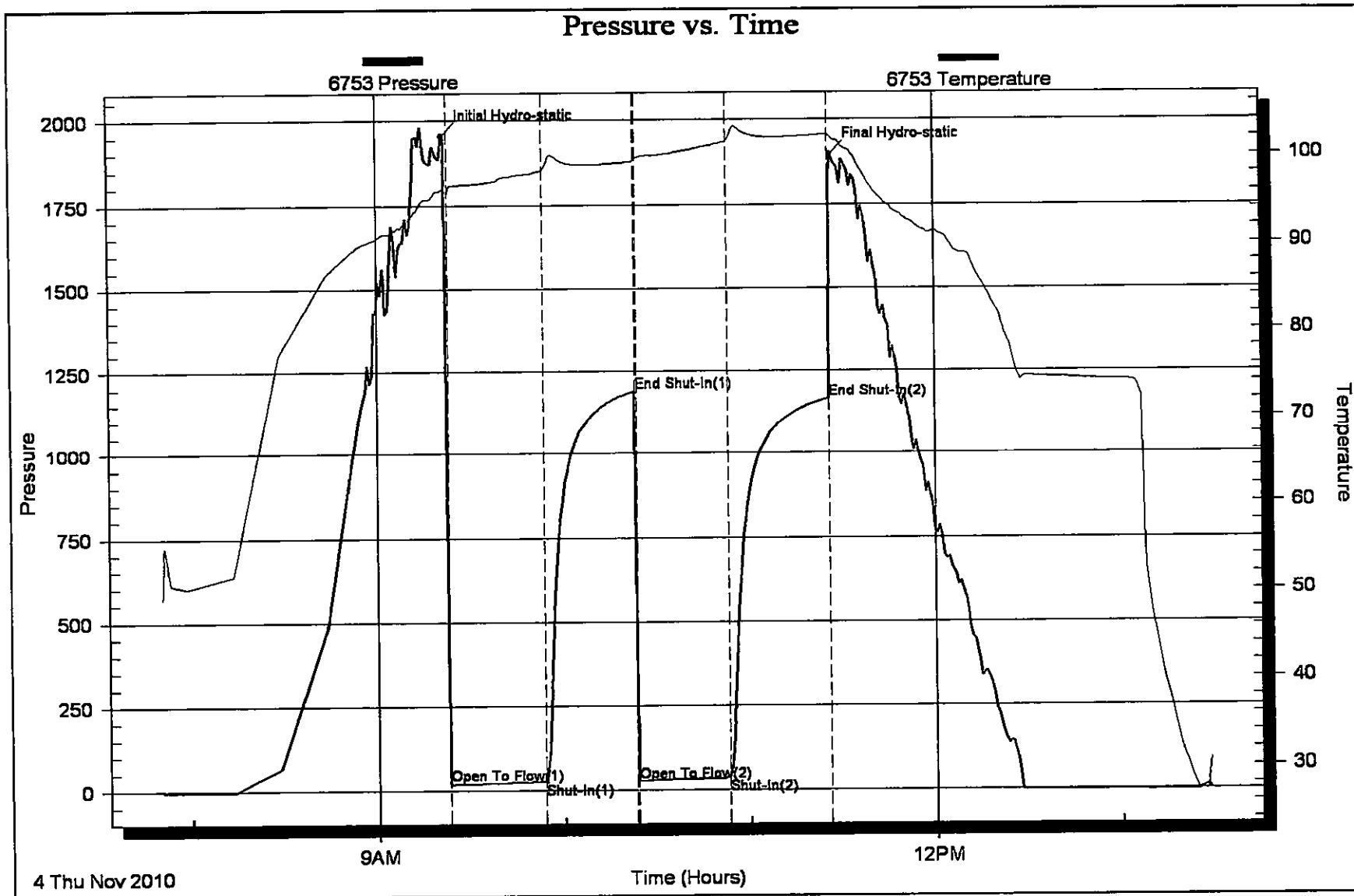
Num Gas Bombs: 0

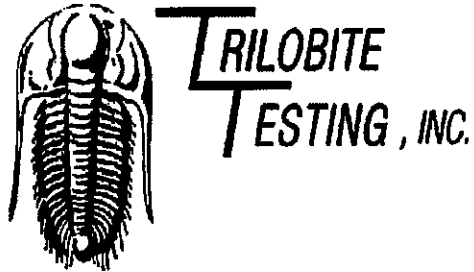
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co, Inc**
202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

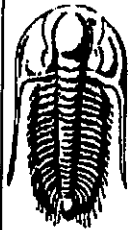
Ottley #1-28

Start Date: 2010.11.05 @ 10:30:30

End Date: 2010.11.05 @ 16:26:45

Job Ticket #: 039516 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

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

ATTN: Steve Davis

Job Ticket: 039516

DST#: 5

Test Start: 2010.11.05 @ 10:30:30

GENERAL INFORMATION:

Formation: **Lansing "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:00

Time Test Ended: 16:26:45

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 28

Interval: **3957.00 ft (KB) To 4000.00 ft (KB) (TVD)**

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

Hole Diameter: **7.88 inches** Hole Condition: Good

Reference Elevations: 2682.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: **6753**

Inside

Press@RunDepth: 22.84 psig @ 3958.00 ft (KB)

Start Date: 2010.11.05

End Date: 2010.11.05

Start Time: 10:30:35

End Time: 16:26:44

Capacity: 8000.00 psig

Last Calib.: 2010.11.05

Time On Btm: 2010.11.05 @ 12:45:45

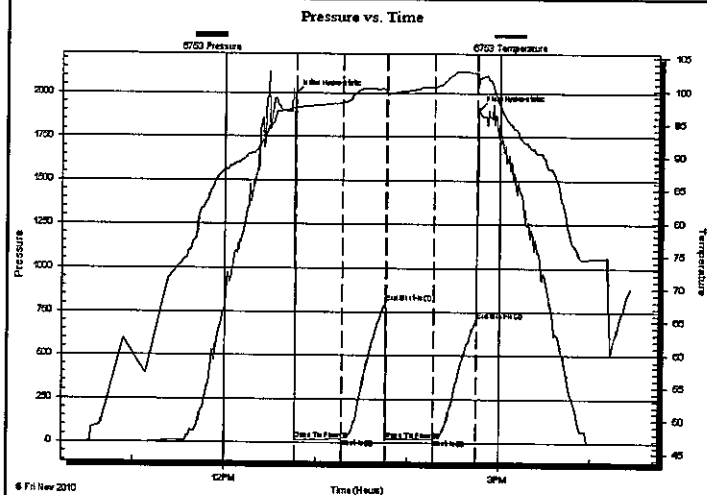
Time Off Btm: 2010.11.05 @ 14:46:15

TEST COMMENT: IF: 1/4" Blow

IS: No Return

FF: 1/8" Blow

FS: No Return



PRESSURE SUMMARY

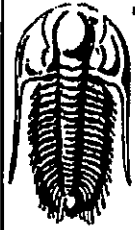
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.38	97.32	Initial Hydro-static
1	17.14	97.13	Open To Flow (1)
32	22.05	98.23	Shut-In(1)
60	802.70	100.22	End Shut-In(1)
60	19.56	99.37	Open To Flow (2)
91	22.84	100.55	Shut-In(2)
120	706.37	102.65	End Shut-In(2)
121	1908.89	101.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WCM 5W 95M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039516

DST#: 5

ATTN: Steve Davis

Test Start: 2010.11.05 @ 10:30:30

Tool Information

Drill Pipe:	Length: 3835.00 ft	Diameter: 3.80 inches	Volume: 53.79 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: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 54.39 bbl	Tool Chased ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3957.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			3930.00	
Shut In Tool	5.00			3935.00	
Hydraulic tool	5.00			3940.00	
Jars	5.00			3945.00	
Safety Joint	2.00			3947.00	
Packer	5.00			3952.00	28.00 Bottom Of Top Packer
Packer	5.00			3957.00	
Stubb	1.00			3958.00	
Recorder	0.00	8654	Inside	3958.00	
Recorder	0.00	6753	Inside	3958.00	
Perforations	5.00			3963.00	
Change Over Sub	1.00			3964.00	
Drill Pipe	30.00			3994.00	
Change Over Sub	1.00			3995.00	
Perforations	2.00			3997.00	
Bullnose	3.00			4000.00	43.00 Bottom Packers & Anchor
Total Tool Length:	71.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan,KS

Job Ticket: 039516

DST#: 5

ATTN: Steve Davis

Test Start: 2010.11.05 @ 10:30:30

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: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.91 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

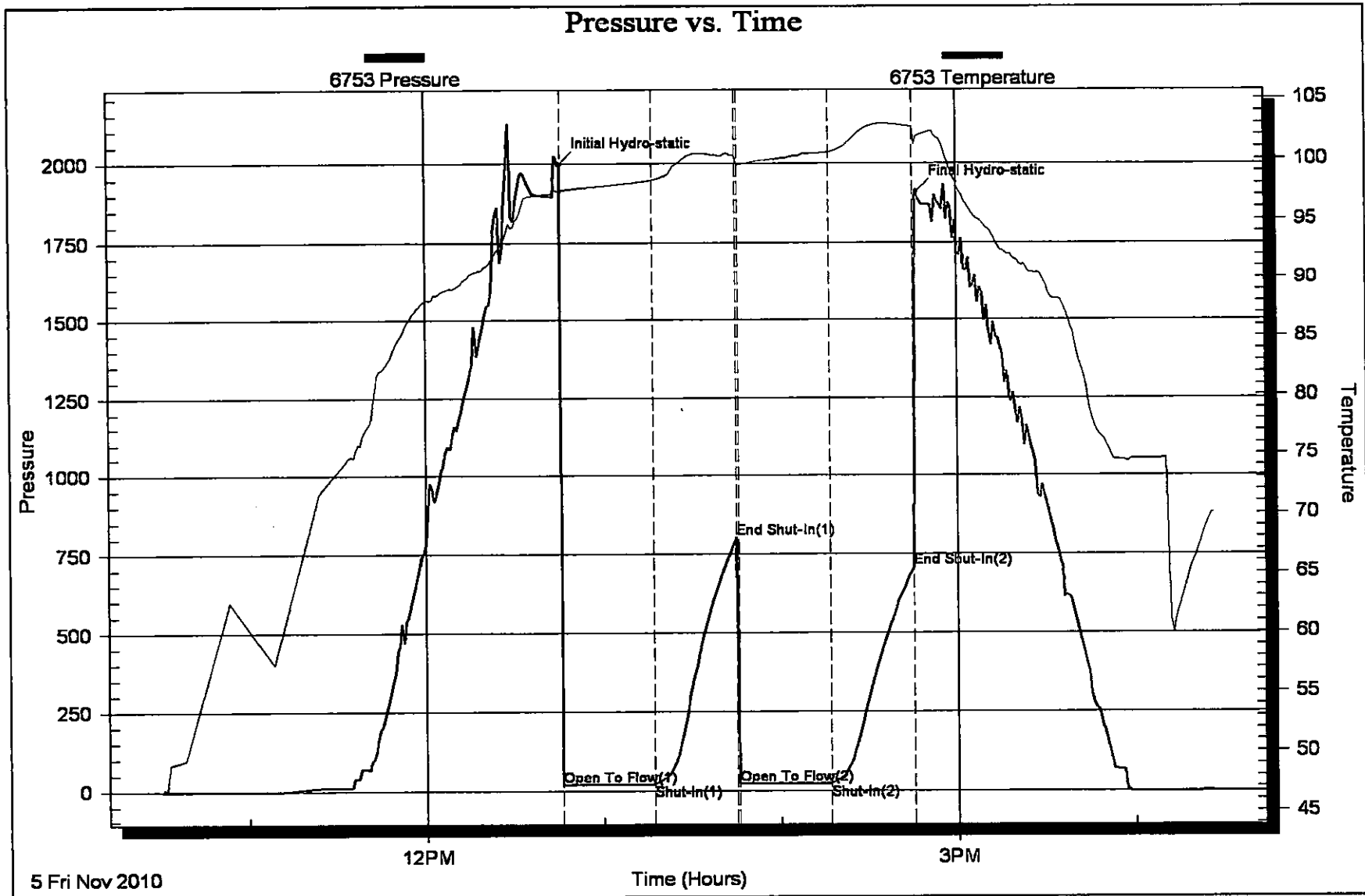
Length ft	Description	Volume bbl
30.00	WCM 5W 95M	0.148

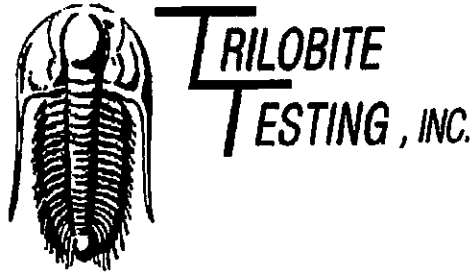
Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co, Inc**

202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

Ottley #1-28

Start Date: 2010.11.06 @ 08:38:54

End Date: 2010.11.06 @ 16:14:09

Job Ticket #: 039517 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Shakespear Oil Co, Inc

Ottley #1-28

28-14s-32w Logan,KS

DST # 6

Pawnee

2010.11.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

ATTN: Steve Davis

Job Ticket: 039517

DST#: 6

Test Start: 2010.11.06 @ 08:38:54

GENERAL INFORMATION:

Formation: Pawnee

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:37:39

Time Test Ended: 16:14:09

Test Type: Conventional Bottom Hole

Tester: Kevin Mack

Unit No: 28

Interval: 4116.00 ft (KB) To 4150.00 ft (KB) (TVD)

Total Depth: 4150.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2682.00 ft (KB)

2673.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6753 Inside

Press@RunDepth: 491.04 psig @ 4117.00 ft (KB)

Start Date: 2010.11.06

End Date: 2010.11.06

Start Time: 08:38:59

End Time: 16:14:08

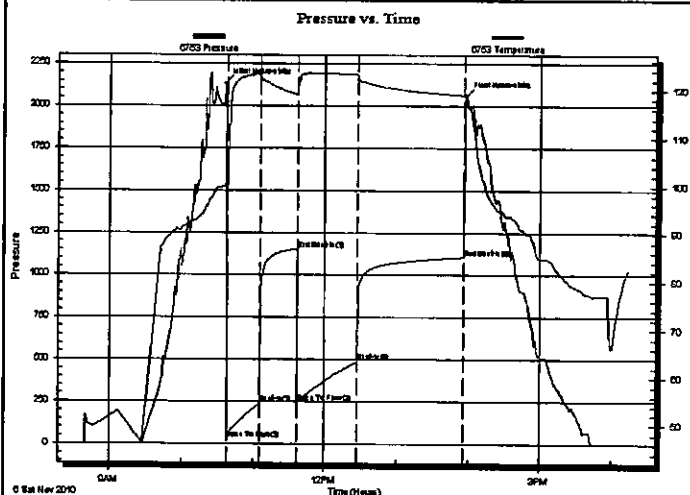
Capacity: 8000.00 psig

Last Calib.: 2010.11.06

Time On Btm: 2010.11.06 @ 10:36:09

Time Off Btm: 2010.11.06 @ 13:57:09

TEST COMMENT: IF: BOB in 7 min.
IS: Return started @ 15 min. Build to 1/4"
FF: BOB in 7 1/2 min.
FS: Return started @ 10 min. Build to 1/2"



PRESSURE SUMMARY

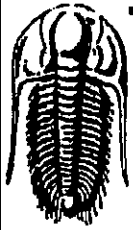
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.16	100.52	Initial Hydro-static
2	28.58	100.66	Open To Flow (1)
30	241.65	123.46	Shut-In(1)
62	1149.36	119.20	End Shut-In(1)
62	242.96	120.94	Open To Flow (2)
111	491.04	123.32	Shut-In(2)
200	1103.73	119.03	End Shut-In(2)
201	2060.24	117.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 90W 10M	0.30
720.00	Water 100W	9.54
180.00	MCW 90W 10M	2.52
90.00	MCW (with oil spots) 70W 30M	1.26

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039517

DST#: 6

ATTN: Steve Davis

Test Start: 2010.11.06 @ 08:38:54

Tool Information

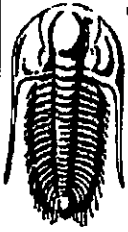
Drill Pipe:	Length: 3987.00 ft	Diameter: 3.80 inches	Volume: 55.93 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 56.53 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4116.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 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
Change Over Sub	1.00			4089.00	
Shut In Tool	5.00			4094.00	
Hydraulic tool	5.00			4099.00	
Jars	5.00			4104.00	
Safety Joint	2.00			4106.00	
Packer	5.00			4111.00	28.00 Bottom Of Top Packer
Packer	5.00			4116.00	
Stubb	1.00			4117.00	
Recorder	0.00	8654	Inside	4117.00	
Recorder	0.00	6753	Inside	4117.00	
Perforations	30.00			4147.00	
Bullnose	3.00			4150.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co, Inc
202 W Main Street
Salem, IL 62881
ATTN: Steve Davis

Ottley #1-28
28-14s-32w Logan, KS
Job Ticket: 039517 DST#: 6
Test Start: 2010.11.06 @ 08:38:54

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:	28000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.94 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5900.00 ppm			
Filter Cake: 1.00 inches			

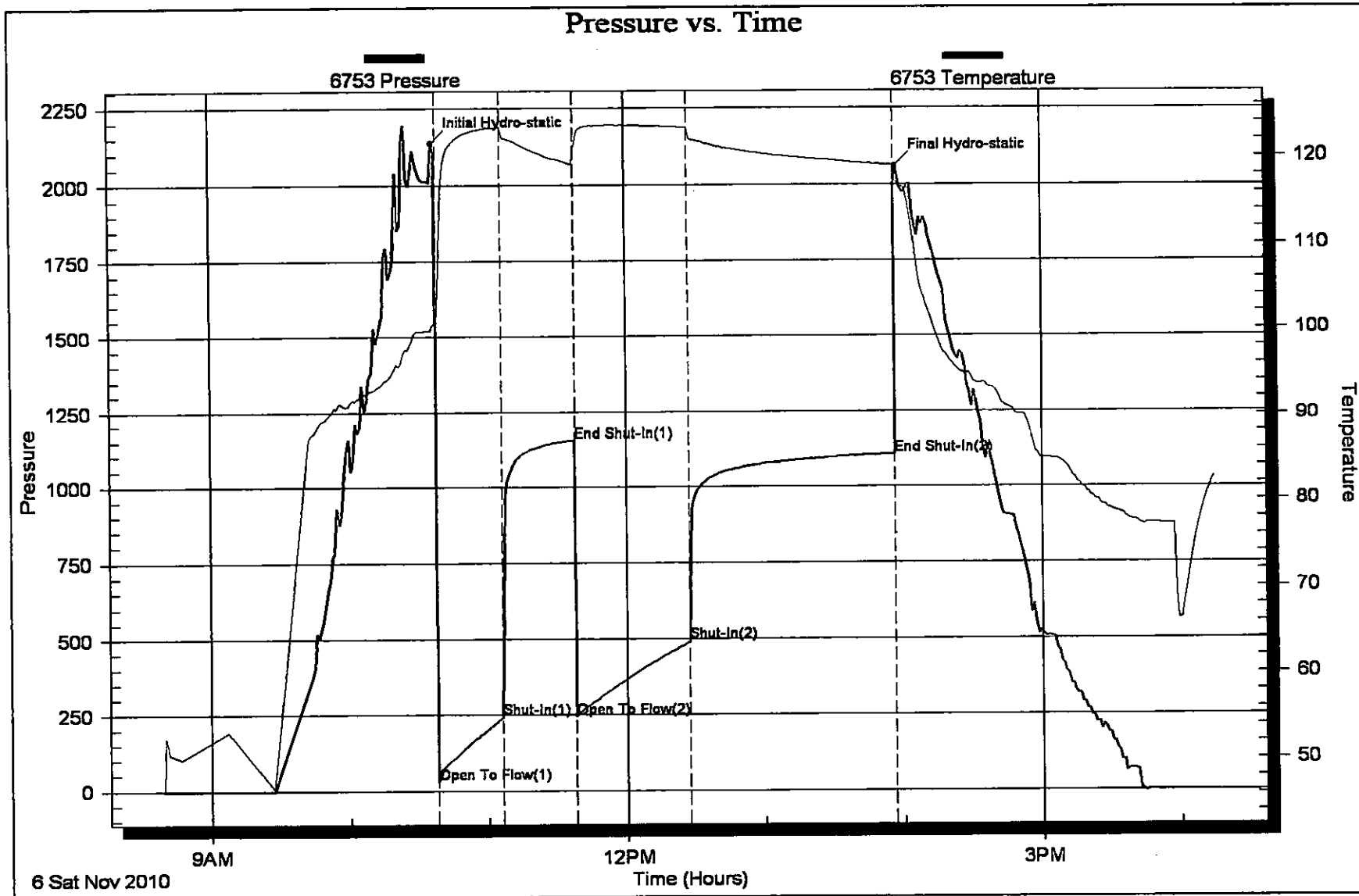
Recovery Information

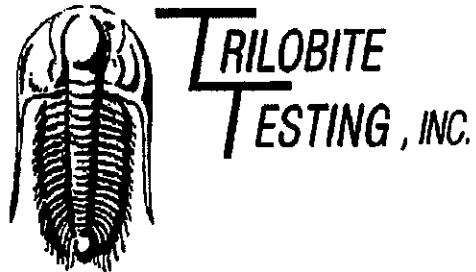
Recovery Table

Length ft	Description	Volume bbl
60.00	MCW 90W 10M	0.295
720.00	Water 100W	9.544
180.00	MCW 90W 10M	2.525
90.00	MCW (with oil spots) 70W 30M	1.262

Total Length: 1050.00 ft Total Volume: 13.626 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .178 @ 91 = 28000





DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co, Inc**

202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

Ottley #1-28

Start Date: 2010.11.07 @ 01:30:00

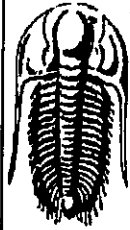
End Date: 2010.11.07 @ 09:05:45

Job Ticket #: 039518 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

Shakespear Oil Co, Inc

202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

Ottley #1-28

28-14s-32w Logan, KS

Job Ticket: 039518

DST#: 7

Test Start: 2010.11.07 @ 01:30:00

GENERAL INFORMATION:

Formation: **Myrick Station & For**

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

Time Tool Opened: 04:00:15

Time Test Ended: 09:05:45

Test Type: **Conventional Bottom Hole**

Tester: **Kevin Mack**

Unit No: **28**

Interval: **4154.00 ft (KB) To 4210.00 ft (KB) (TVD)**

Total Depth: **4210.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2682.00 ft (KB)**

2673.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 6753

Inside

Press@RunDepth: **74.20 psig @ 4155.00 ft (KB)**

Start Date: **2010.11.07**

End Date:

2010.11.07

Start Time: **01:30:05**

End Time:

09:05:44

Capacity: **8000.00 psig**

Last Calib.: **2010.11.07**

Time On Btm: **2010.11.07 @ 03:57:30**

Time Off Btm: **2010.11.07 @ 07:17:00**

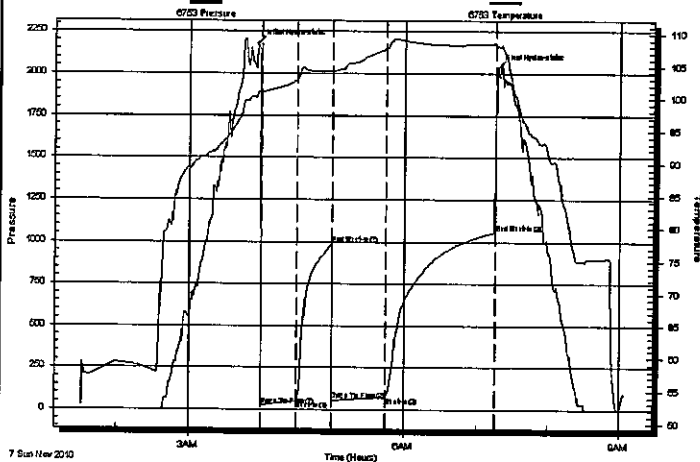
TEST COMMENT: IF: Build to 2 1/4"

IS: No Return

FF: Build to 1 1/4"

FS: No Return

Pressure vs. Time



PRESSURE SUMMARY

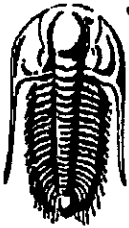
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.68	101.04	Initial Hydro-static
3	25.62	100.97	Open To Flow (1)
33	50.89	102.94	Shut-In(1)
63	988.10	104.18	End Shut-In(1)
63	54.42	104.24	Open To Flow (2)
108	74.20	107.74	Shut-In(2)
198	1054.17	108.46	End Shut-In(2)
200	2032.77	108.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Mud 100M (with oil spots)	0.54

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039518

DST#: 7

ATTN: Steve Davis

Test Start: 2010.11.07 @ 01:30:00

Tool Information

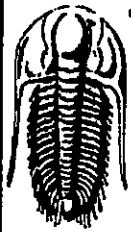
Drill Pipe:	Length: 4018.00 ft	Diameter: 3.80 inches	Volume: 56.36 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume:	56.96 bbl	Tool Chased ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4154.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	84.00 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			4127.00	
Shut In Tool	5.00			4132.00	
Hydraulic tool	5.00			4137.00	
Jars	5.00			4142.00	
Safety Joint	2.00			4144.00	
Packer	5.00			4149.00	28.00 Bottom Of Top Packer
Packer	5.00			4154.00	
Stubb	1.00			4155.00	
Recorder	0.00	8654	inside	4155.00	
Recorder	0.00	6753	inside	4155.00	
Perforations	20.00			4175.00	
Change Over Sub	1.00			4176.00	
Drill Pipe	30.00			4206.00	
Change Over Sub	1.00			4207.00	
Bullnose	3.00			4210.00	56.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 039518

DST#: 7

ATTN: Steve Davis

Test Start: 2010.11.07 @ 01:30:00

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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	Mud 100M (w ith oil spots)	0.541

Total Length: 110.00 ft

Total Volume: 0.541 bbl

Num Fluid Samples: 0

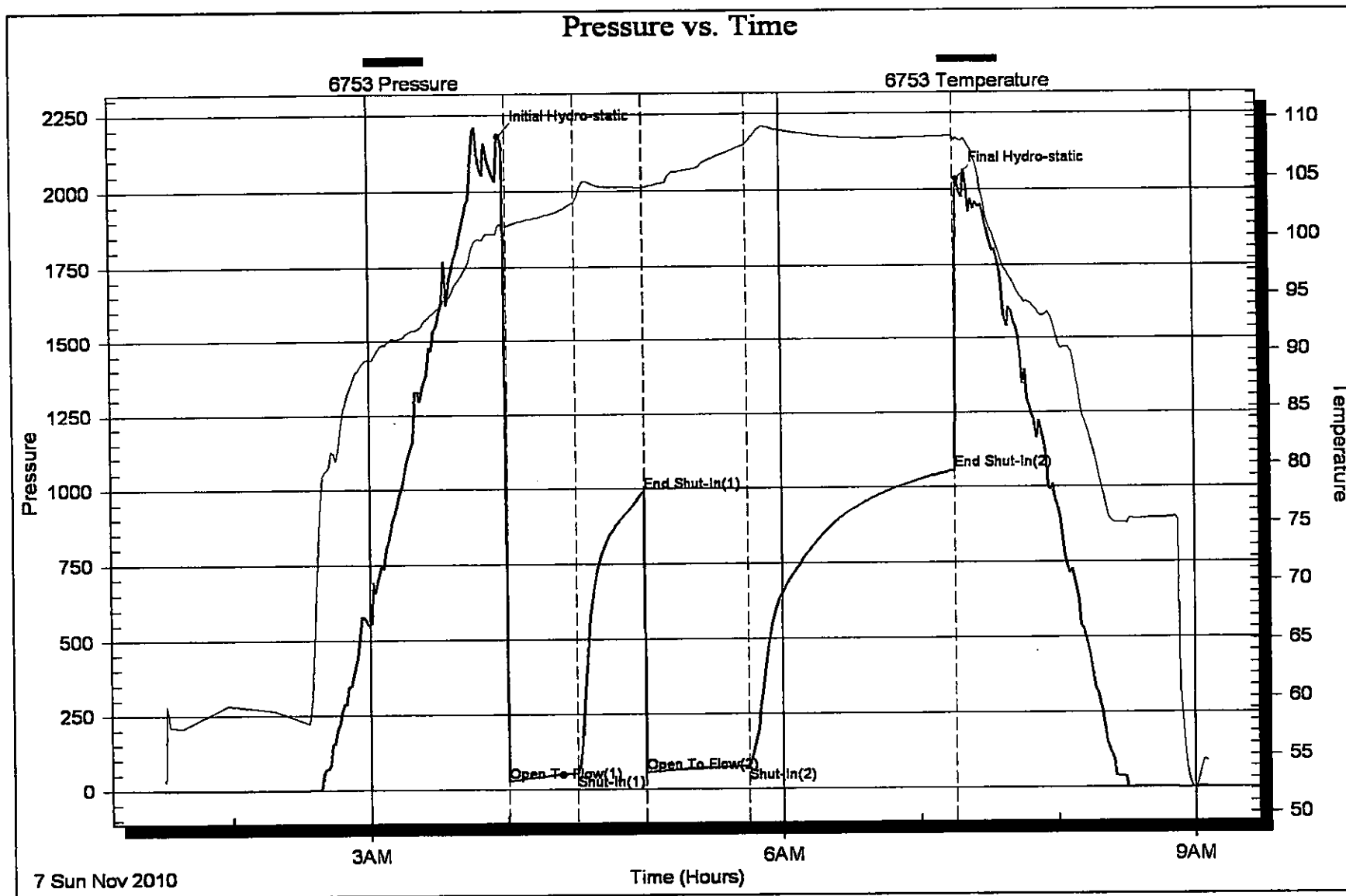
Num Gas Bombs: 0

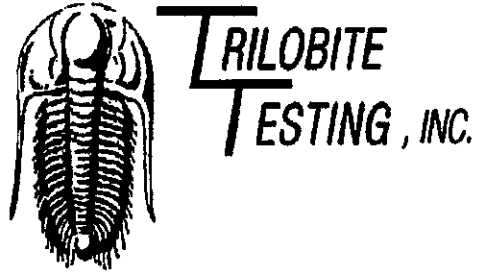
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Shakespear Oil Co, Inc**
202 W Main Street
Salem, IL 62881

ATTN: Steve Davis

28-14s-32w Logan,KS

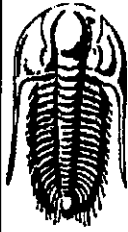
Ottley #1-28

Start Date: 2010.11.08 @ 00:17:21

End Date: 2010.11.08 @ 08:44:21

Job Ticket #: 03519 DST #: 8

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shakespear Oil Co, Inc
202 W Main Street
Salem, IL 62881
ATTN: Steve Davis

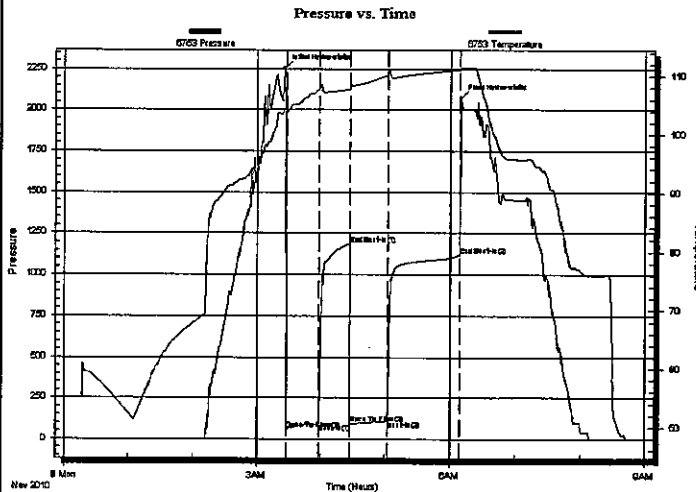
Ottley #1-28
28-14s-32w Logan,KS
Job Ticket: 03519 DST#: 8
Test Start: 2010.11.08 @ 00:17:21

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:27:21
Time Test Ended: 08:44:21
Test Type: Conventional Bottom Hole
Tester: Kevin Mack
Unit No: 28
Interval: **4234.00 ft (KB) To 4282.00 ft (KB) (TVD)**
Reference Elevations: 2682.00 ft (KB)
Total Depth: **4282.00 ft (KB) (TVD)**
2673.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 6753 Inside
Press@RunDepth: 108.78 psig @ 4235.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.11.08 End Date: 2010.11.08 Last Calib.: 2010.11.08
Start Time: 00:17:26 End Time: 08:44:20 Time On Btm: 2010.11.08 @ 03:25:36
Time Off Btm: 2010.11.08 @ 06:09:36

TEST COMMENT: IF: Build to 4 1/2"
IS: No Return
FF: Build to 3"
FS: No Return



PRESSURE SUMMARY

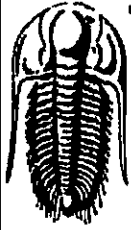
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.66	104.25	Initial Hydro-static
2	57.84	104.19	Open To Flow (1)
33	91.35	107.74	Shut-In(1)
61	1183.42	107.75	End Shut-In(1)
62	93.83	108.95	Open To Flow (2)
97	108.78	110.19	Shut-In(2)
163	1118.43	111.02	End Shut-In(2)
164	2069.69	111.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 10W 90M	0.30
180.00	Mud 100M	1.97

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shakespeare Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 03519

DST#: 8

ATTN: Steve Davis

Test Start: 2010.11.08 @ 00:17:21

Tool Information

Drill Pipe:	Length: 4110.00 ft	Diameter: 3.80 inches	Volume: 57.65 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: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	58.25 bbl	Tool Chased ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4234.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	76.00 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			4207.00	
Shut In Tool	5.00			4212.00	
Hydraulic tool	5.00			4217.00	
Jars	5.00			4222.00	
Safety Joint	2.00			4224.00	
Packer	5.00			4229.00	28.00 Bottom Of Top Packer
Packer	5.00			4234.00	
Stubb	1.00			4235.00	
Recorder	0.00	8654	Inside	4235.00	
Recorder	0.00	6753	Inside	4235.00	
Perforations	12.00			4247.00	
Change Over Sub	1.00			4248.00	
Drill Pipe	30.00			4278.00	
Change Over Sub	1.00			4279.00	
Bullnose	3.00			4282.00	48.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shakespear Oil Co, Inc

Ottley #1-28

202 W Main Street
Salem, IL 62881

28-14s-32w Logan, KS

Job Ticket: 03519

DST#: 8

ATTN: Steve Davis

Test Start: 2010.11.08 @ 00:17:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Safinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	WCM 10W 90M	0.295
180.00	Mud 100M	1.969

Total Length: 240.00 ft

Total Volume: 2.264 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

