



KANSAS CORPORATION COMMISSION 1072976
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6239
Name: Zinszer Oil Co., Inc.
Address 1: PO BOX 211
Address 2: _____
City: HAYS State: KS Zip: 67601 + 0211
Contact Person: Perry Henman
Phone: (785) 625-9448
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Kurt Talbott
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 #: _____

<u>09/13/2011</u>	<u>09/18/2011</u>	<u>09/19/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25603-00-00
Spot Description: _____
W2 SE SW Sec. 15 Twp. 17 S. R. 11 East West
660 Feet from North / South Line of Section
1650 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: SOEKEN Well #: 7
Field Name: Kraft/Prusa
Producing Formation: Arbuckle
Elevation: Ground: 1850 Kelly Bushing: 1858
Total Depth: 3400 Plug Back Total Depth: 3365
Amount of Surface Pipe Set and Cemented at: 680 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 18000 ppm Fluid volume: 320 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Gantso Date: 02/02/2012



1072976

Operator Name: Zinszer Oil Co., Inc. Lease Name: SOEKEN Well #: 7
 Sec. 15 Twp. 17 S. R. 11 East West County: Barton

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Radiation Guard Microresistivity Cement Bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>668</td> <td>+1190</td> </tr> <tr> <td>Topeka</td> <td>2573</td> <td>-715</td> </tr> <tr> <td>Heebner</td> <td>2900</td> <td>-1042</td> </tr> <tr> <td>Lansing</td> <td>3020</td> <td>-1162</td> </tr> <tr> <td>Arbuckle</td> <td>3280</td> <td>-1422</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	668	+1190	Topeka	2573	-715	Heebner	2900	-1042	Lansing	3020	-1162	Arbuckle	3280	-1422
Name	Top	Datum																	
Anhydrite	668	+1190																	
Topeka	2573	-715																	
Heebner	2900	-1042																	
Lansing	3020	-1162																	
Arbuckle	3280	-1422																	

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	12.25	8.625	23	680	Common	275	2%gel&3%cc
Production	7.875	5.5	14	3396	EA/2	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
4	3281 to 3284	natural	3281 to 3284

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3310</u> Packer At: <u>none</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>10/10/2011</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>40</u> Gas Mcf <u>0</u> Water Bbls. <u>50</u> Gas-Oil Ratio _____ Gravity <u>41</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3281-3284</u>
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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5156

Date	9-14-11	Sec.	15	Twp.	17	Range	11	County	Barton	State	Ks	On Location	Finish	5:00 AM	
Lease	Soeken			Well No.	7			Location ODin, Ks - 3E to Claflin BLK top, 1/4E							
Contractor	Discovery #2							Owner	195						
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"			T.D.	680'			Charge To Zinsrek oil							
Csg.	8 5/8"			Depth	680'			Street							
Tbg. Size				Depth				City							
Tool				Depth				State							
Cement Left in Csg.	20'			Shoe Joint	20'			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	42 BLS			Cement Amount Ordered 275 sq Common 3% CC							

EQUIPMENT

Pumptrk	1	No.	Cementer	Cisto	Helper	Common	275
Bulktrk	14	No.	Driver	Cozy	Driver	Poz. Mix	
Bulktrk	p.u.	No.	Driver	Rick	Driver	Gel.	5

JOB SERVICES & REMARKS

Remarks: Cement did Circulate.	Calcium 10
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
	Handling 290
	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1- Rubber plug
	1- Baffle plate
Pumptrk Charge	Long Surface
Mileage	36

	Tax	
	Discount	
X Signature <i>Michael Brown</i>	Total Charge	



CHARGE TO: Ziesser Oil Co.
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET
20176

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hays, Ks.</u> 2. <u>Ness City, Ks.</u> 3. 4.	WELL/PROJECT NO. <u>#7</u>	LEASE <u>Soeken</u>	COUNTY/PARISH <u>Barton</u>	STATE <u>Ks</u>	CITY	DATE <u>9-19-11</u>	OWNER <u>S.W.M.</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discovery Drly #2</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.		
WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long string</u>	WELL PERMIT NO.	WELL LOCATION			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			UM		UM			
575		1			MILEAGE #111	60	mi			6 ⁰⁰	360	00
578		1			Pump Charge (Long string)	1	ea	3400		1500 ⁰⁰	1500	00
221		1			KEL	2	gal			25 ⁰⁰	50	00
281		1			Mud Flush	500	gal			1 ⁰⁵	625	00
290		1			D-Air	2	gal			35 ⁰⁰	70	00
403		1			Centralizers	10	ea	5 1/2"		70 ⁰⁰	700	00
403		1			Baskets	2	ea			250 ⁰⁰	500	00
406		1			LD Plug + Baffle	1	ea			250 ⁰⁰	250	00
407		1			Turret Float Shoe w/ fill	1	ea			350 ⁰⁰	350	00
419		1			Rotating Head	1	ea			200 ⁰⁰	200	00

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 [Signature]
 DATE SIGNED 9-19-11 TIME SIGNED 1715 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		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL 1	4605 ⁰⁰
WE UNDERSTOOD AND MET YOUR NEEDS?				page 2	4771 ⁰⁰
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	9376 ⁰⁰
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Barton TAX 7.3%	475 ⁰⁵
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	9851 ⁰⁵
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 20176

CUSTOMER *Zinsco Oil Co* WELL # *7 Soeken* DATE *9-19-11* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		L/M		UNIT PRICE	AMOUNT	
		LOG	ACCT	OF			QTY	L/M	QTY	L/M			
325		2				Standard Cement	100	sk			13.50	1350.00	
330		2				SMD Cement	100	sk			16.50	1650.00	
276		2				Floccle	50	#	34	#/sk	2.00	100.00	
283		2				Salt	500	#	10	%	.20	100.00	
284		2				Calseal	5	sk	5	%	35.00	175.00	
292 292		2				Halad-322	50	#	.75	%	7.75	387.50	
581		2				SERVICE CHARGE					2.00	400.00	
583		2				TOTAL WEIGHT	20276		LOADED MILES	60	TON MILES	608.5	608.50

CONTINUATION TOTAL 4771.00

JOB LOG

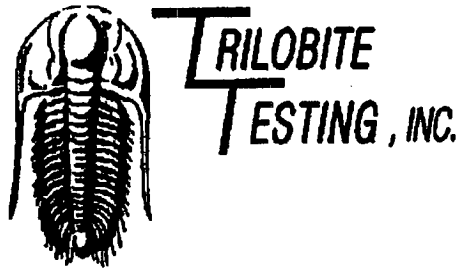
SWIFT Services, Inc.

DATE 9-19-11 PAGE NO. 1

CUSTOMER Ziasszer Oil Co WELL NO. #7 LEASE Sackea JOB TYPE Leay string TICKET NO. 20176

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							0.100 w/FE
								RTD 3400'
								5 1/2" x 14 #K 3376' x 21'
								Cent. 1, 2, 3, 4, 6, 8, 9, 12, 15, 18
								Baskets 5, 12
	1300							start FE
	1500							Break Circulation / Bridgall off inside
	1545							Cool Pump w/PT to 1200 ^{PSI} & surge free
	1620	2.5	7/5					Plug RH & MH 25/15 SMD
	1630	4.5	0				150	start Mud flush 500 gal
		4.5	12/0				150	start KCL flush
		5.5	20/0				200	start L Cement
		5.5	20 30				200	start T Cement
	1647		24					End Cement Wash P/L
		5	0					Drop & D Plug
	1657	6.5	0				150	start Displacement
	1700		53				200	Catch Cement
	1706		82.5				650/1400	Land Plug Release pressure Float Held

Thank you
Nick, Josh E. & Doug



DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc.**

PO Box 211
Hays, KS 67601

ATTN: Kurt Talbott

Soeken #7

15-17s-11w Barton,KS

Start Date: 2011.09.16 @ 00:05:04

End Date: 2011.09.16 @ 07:33:34

Job Ticket #: 44612 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.09.21 @ 08:39:32

Zinszer Oil Company Inc. 15-17s-11w Barton,KS Soeken #7 DST # 1 KC "A-F" 2011.09.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Zinszer Oil Company Inc.
PO Box 211
Hays, KS 67601
ATTN: Kurt Talbott

15-17s-11w Barton,KS

Soeken #7

Job Ticket: 44612 DST#: 1

Test Start: 2011.09.16 @ 00:05:04

GENERAL INFORMATION:

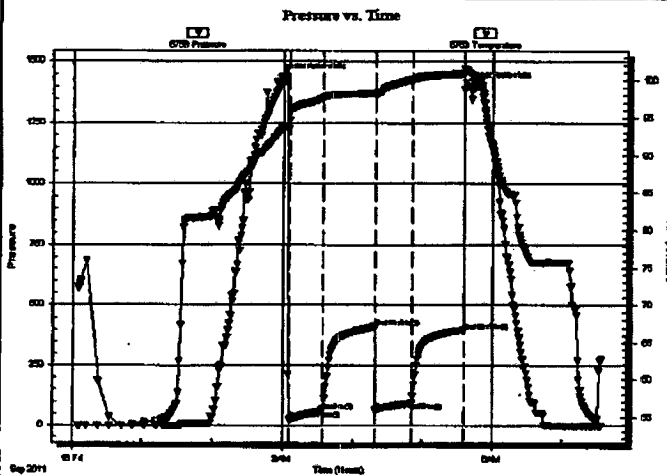
Formation: **KC "A-F"**
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 03:05:34
 Tester: Brett Dickinson
 Time Test Ended: 07:33:34
 Unit No: 47
 Interval: **3009.00 ft (KB) To 3105.00 ft (KB) (TVD)**
 Reference Elevations: 1858.00 ft (KB)
 Total Depth: 3105.00 ft (KB) (TVD)
 1850.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 96.25 psig @ 3010.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.09.16 End Date: 2011.09.16 Last Calib.: 2011.09.17
 Start Time: 00:05:09 End Time: 07:33:33 Time On Btm: 2011.09.16 @ 02:58:34
 Time Off Btm: 2011.09.16 @ 05:38:34

TEST COMMENT: IF-BOB in 1/2 min
 IS-No blow
 FF-BOB in 1/2 min
 FSI-3in blow died back to 2in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1435.28	93.46	Initial Hydro-static
7	26.73	94.67	Open To Flow (1)
36	61.84	97.67	Shut-In(1)
81	411.90	98.25	End Shut-In(1)
81	67.08	98.07	Open To Flow (2)
113	96.25	100.06	Shut-In(2)
157	396.42	100.81	End Shut-In(2)
160	1401.86	101.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOVM 2%O 10%W 88%M	0.57
120.00	VSOVM 2%O 98%M	1.68
0.00	240ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44612

DST#: 1

ATTN: Kurt Talbott

Test Start: 2011.09.16 @ 00:05:04

Tool Information

Drill Pipe:	Length: 2975.00 ft	Diameter: 3.80 inches	Volume: 41.73 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3009.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

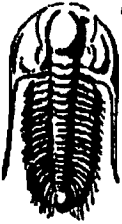
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2989.00	
Shut In Tool	5.00			2994.00	
Hydraulic tool	5.00			2999.00	
Packer	5.00			3004.00	21.00 Bottom Of Top Packer
Packer	5.00			3009.00	
Stubb	1.00			3010.00	
Recorder	0.00	6753	Inside	3010.00	
Recorder	0.00	8319	Outside	3010.00	
Perforations	4.00			3014.00	
Change Over Sub	1.00			3015.00	
Drill Pipe	63.00			3078.00	
Change Over Sub	1.00			3079.00	
Perforations	23.00			3102.00	
Bullnose	3.00			3105.00	96.00 Bottom Packers & Anchor

Total Tool Length: 117.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44612

DST#: 1

ATTN: Kurt Talbott

Test Start: 2011.09.16 @ 00:05:04

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:

43000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	VSOVCM 2%O 10%W 88%M	0.568
120.00	VSOVM 2%O 98%M	1.683
0.00	240ft GIP	0.000

Total Length: 180.00 ft Total Volume: 2.251 bbf

Num Fluid Samples: 0

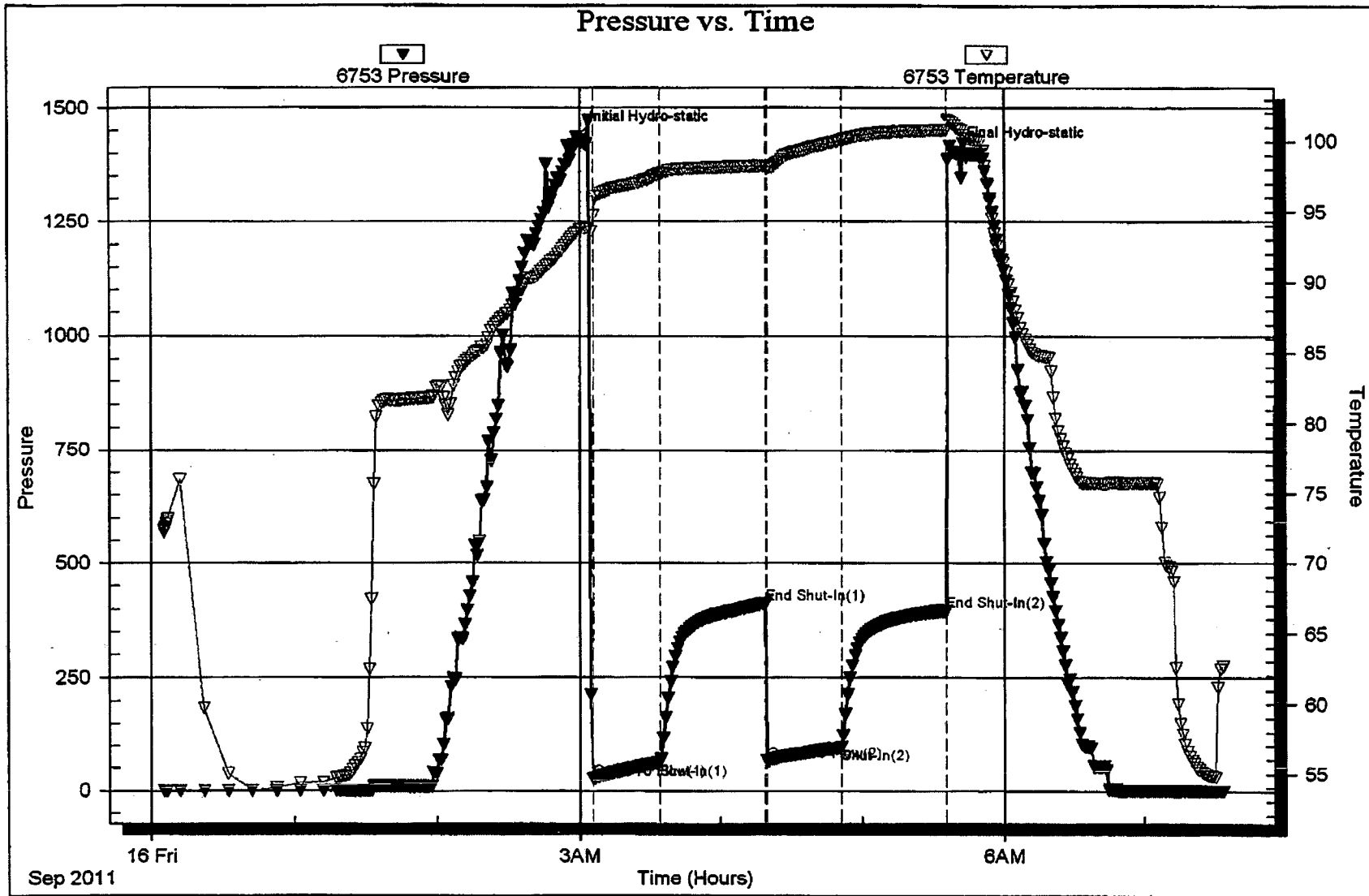
Num Gas Bombs: 0

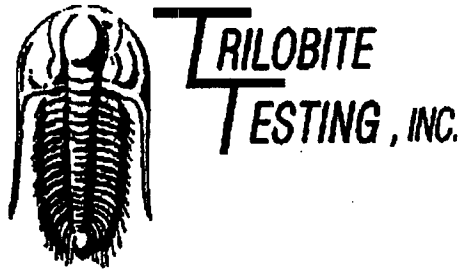
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc.**

PO Box 211
Hays, KS 67601

ATTN: Kurt Talbott

Soeken #7

15-17s-11w Barton,KS

Start Date: 2011.09.17 @ 19:55:14

End Date: 2011.09.18 @ 02:12:14

Job Ticket #: 44613 DST #: 2

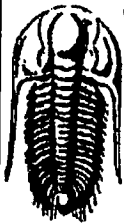
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.09.21 @ 08:39:51

Zinszer Oil Company Inc. 15-17s-11w Barton,KS Soeken #7 DST # 2 KC"J.L." 2011.09.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44613

DST#: 2

ATTN: Kurt Talbott

Test Start: 2011.09.17 @ 19:55:14

GENERAL INFORMATION:

Formation: **KC"J-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:50:14

Time Test Ended: 02:12:14

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 47

Interval: 3183.00 ft (KB) To 3252.00 ft (KB) (TVD)

Total Depth: 3252.00 ft (KB) (TVD)

Hole Diameter: 7.88 Inches Hole Condition: Fair

Reference Elevations: 1858.00 ft (KB)

1850.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 30.07 psig @ 3184.00 ft (KB)

Start Date: 2011.09.17

End Date:

2011.09.18

Capacity: 8000.00 psig

Last Calib.: 2011.09.18

Start Time: 19:55:19

End Time:

02:12:13

Time On Btm: 2011.09.17 @ 21:48:44

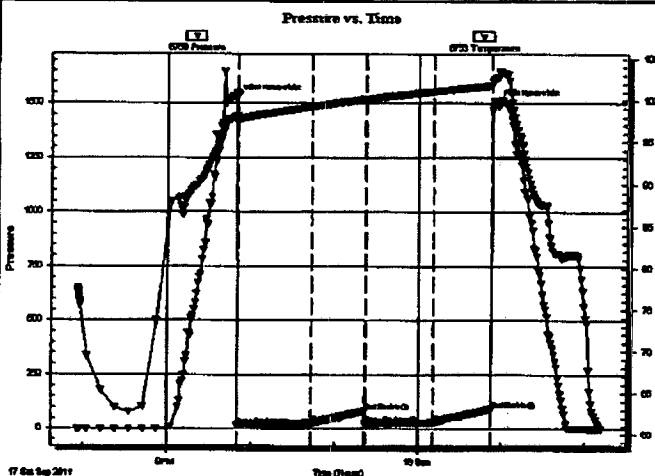
Time Off Btm: 2011.09.18 @ 00:56:44

TEST COMMENT: IF-1 in blow died back to 3/4 in blow

ISI-No blow

FF-3/4 in blow

FSI-No blow



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1524.84	98.03	Initial Hydro-static
2	15.44	97.35	Open To Flow (1)
54	25.83	99.23	Shut-In(1)
93	83.49	100.13	End Shut-In(1)
94	21.91	100.13	Open To Flow (2)
142	30.07	101.07	Shut-In(2)
185	93.04	101.81	End Shut-In(2)
188	1503.39	102.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSOQM 5%O 95%M	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44613

DST#: 2

ATTN: Kurt Talbott

Test Start: 2011.09.17 @ 19:55:14

Tool Information

Drill Pipe:	Length: 3158.00 ft	Diameter: 3.80 inches	Volume: 44.30 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3183.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	90.00 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			3163.00	
Shut In Tool	5.00			3168.00	
Hydraulic tool	5.00			3173.00	
Packer	5.00			3178.00	21.00 Bottom Of Top Packer
Packer	5.00			3183.00	
Stubb	1.00			3184.00	
Recorder	0.00	6753	Inside	3184.00	
Recorder	0.00	8319	Outside	3184.00	
Perforations	4.00			3188.00	
Change Over Sub	1.00			3189.00	
Drill Pipe	32.00			3221.00	
Change Over Sub	1.00			3222.00	
Perforations	27.00			3249.00	
Bullnose	3.00			3252.00	69.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44613

DST#: 2

ATTN: Kurt Talbott

Test Start: 2011.09.17 @ 19:55:14

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
15.00	VSOOM 5%O 95%M	0.074

Total Length: 15.00ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

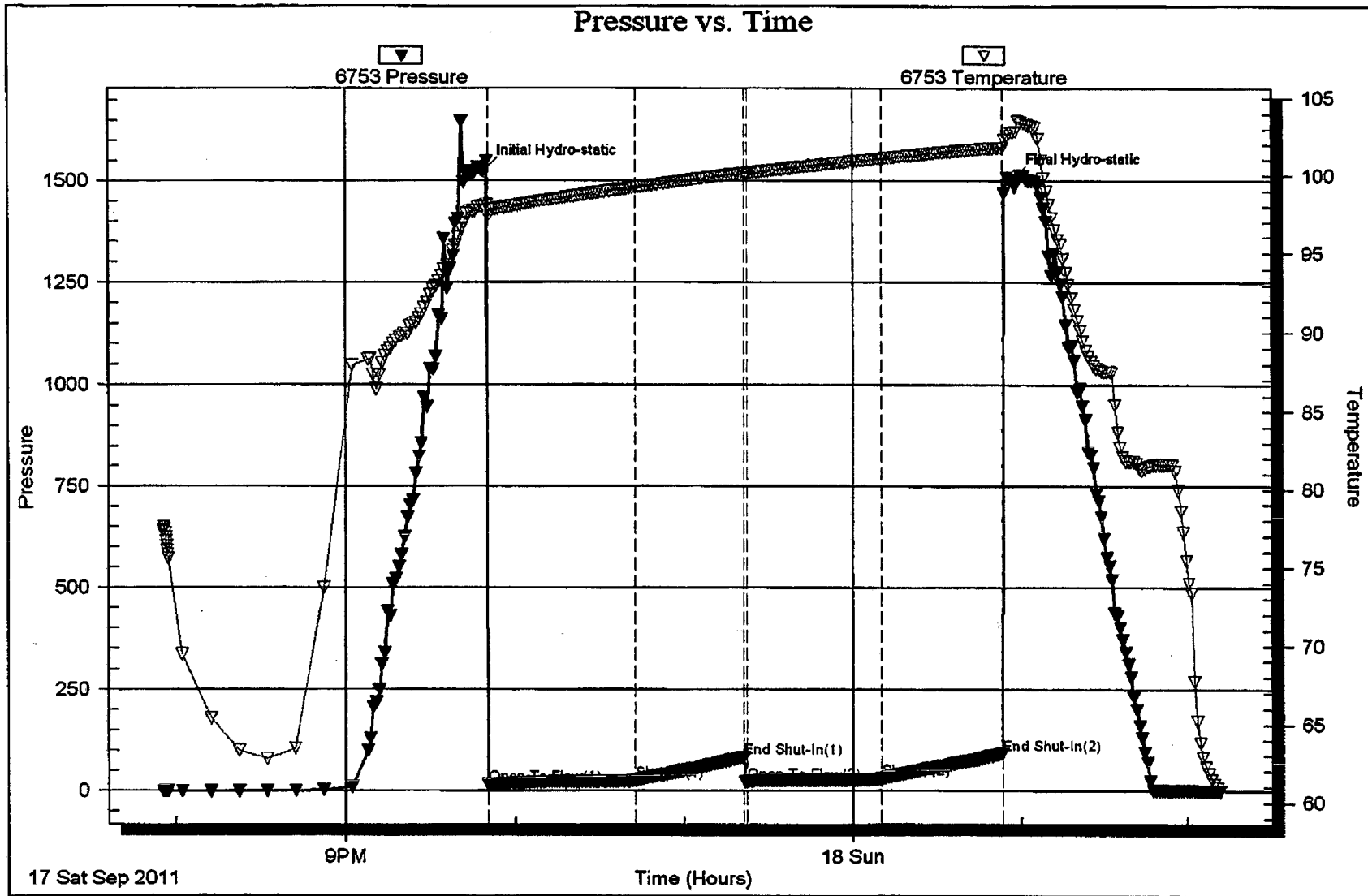
Recovery Comments:

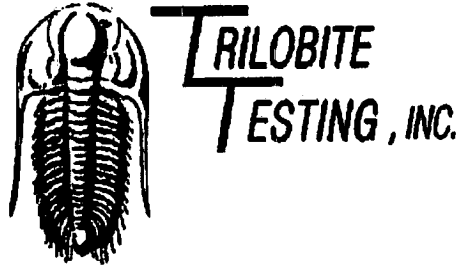
Serial #: 6753

Inside Zinszer Oil Company Inc.

Soeken #7

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc.**

PO Box 211
Hays, KS 67601

ATTN: Kurt Talbott

Soeken #7

15-17s-11w Barton,KS

Start Date: 2011.09.18 @ 08:35:02

End Date: 2011.09.18 @ 17:10:02

Job Ticket #: 44614 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.09.21 @ 08:40:10

Zinszer Oil Company Inc. 15-17s-11w Barton,KS Soeken #7 DST # 3 Arbuckle 2011.09.18



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44614

DST#: 3

ATTN: Kurt Talbott

Test Start: 2011.09.18 @ 08:35:02

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock ft (KB)

Time Tool Opened: 10:45:02

Time Test Ended: 17:10:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 47

Interval: 3270.00 ft (KB) To 3290.00 ft (KB) (TVD)

Total Depth: 3290.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1858.00 ft (KB)

1850.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 1103.52 psig @ 3271.00 ft (KB)

Start Date: 2011.09.18

End Date:

2011.09.18

Capacity: 8000.00 psig

Last Calib.: 2011.09.18

Start Time: 08:35:07

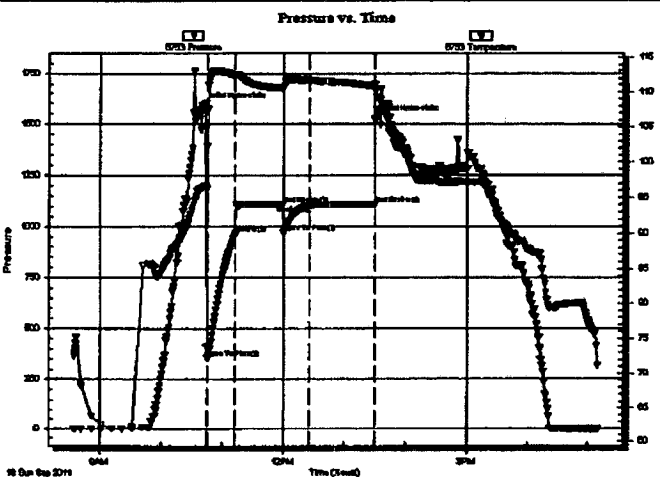
End Time:

17:10:02

Time On Btmr 2011.09.18 @ 10:40:32

Time Off Btmr 2011.09.18 @ 13:31:32

TEST COMMENT: IF-BOB in 1/2 min
IS-2 in blow died in 12 min
FF-BOB in 1/2 min
FSI-weak surface blow died in 35 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.07	96.48	Initial Hydro-static
5	353.79	102.26	Open To Flow (1)
32	965.72	112.41	Shut-In(1)
80	1107.44	110.56	End Shut-In(1)
80	971.03	110.48	Open To Flow (2)
106	1103.52	111.72	Shut-In(2)
170	1107.34	110.86	End Shut-In(2)
171	1522.51	110.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SOWCM 5%G 25%O 10%W 60%M	1.41
3030.00	GO 30%G 70%O	42.50
0.00	120ft GIP	0.00

Gas Rates

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

* Recovery from multiple tests

Triobite Testing, Inc

Ref. No: 44614

Printed: 2011.09.21 @ 08:40:11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44614

DST#: 3

ATTN: Kurt Talbott

Test Start: 2011.09.18 @ 08:35:02

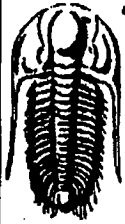
Tool Information

Drill Pipe:	Length: 3220.00 ft	Diameter: 3.80 inches	Volume: 45.17 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3270.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 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			3250.00	
Shut In Tool	5.00			3255.00	
Hydraulic tool	5.00			3260.00	
Packer	5.00			3265.00	21.00 Bottom Of Top Packer
Packer	5.00			3270.00	
Stubb	1.00			3271.00	
Recorder	0.00	6753	Inside	3271.00	
Recorder	0.00	8319	Outside	3271.00	
Perforations	16.00			3287.00	
Bullnose	3.00			3290.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc.

15-17s-11w Barton,KS

PO Box 211
Hays, KS 67601

Soeken #7

Job Ticket: 44614

DST#: 3

ATTN: Kurt Talbott

Test Start: 2011.09.18 @ 08:35:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

43 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	SOWOM 5%G 25%O 10%W 60%M	1.410
3030.00	GO 30%G 70%O	42.503
0.00	120ft GIP	0.000

Total Length: 3150.00 ft

Total Volume: 43.913 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

Inside Zinszer Oil Company Inc.

Soeken #7

DST Test Number: 3

