



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1062265

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

CASING RECORD <input 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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Esslinger Ranch Inc 6-35
Doc ID	1062265

Tops

Name	Top	Datum
Anhydrite	2015	+324
Base Anhydrite	2045	+294
Topeka	3339	-1000
Heebner	3539	-1200
Toronto	3565	-1226
Lansing	3581	-1242
Base Kansas City	3766	-1427
Marmaton	3794	-1455
Pre Cambrian	3824	-1485
Total Depth	3841	-1502

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 09, 2011

Jim R. Baird
Baird Oil Company LLC
113 W MAIN
PO BOX 428
LOGAN, KS 67646

Re: ACO1
API 15-137-20579-00-00
Esslinger Ranch Inc 6-35
NE/4 Sec.35-03S-22W
Norton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jim R. Baird

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
8/20/2011	20258

BILL TO
Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#6-35	Esslinger Ra...	Norton	WW Drilling #8	Oil	Development	Surface	Dave

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	10	Miles	6.00	60.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	1	Job	1,000.00	1,000.00
290	D-Air	1	Gallon(s)	35.00	35.00T
325	Standard Cement	165	Sacks	13.50	2,227.50T
278	Calcium Chloride	5	Sack(s)	40.00	200.00T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
581D	Service Charge Cement	165	Sacks	2.00	330.00
583D	Drayage	648.4	Ton Miles	1.00	648.40
503	Pick-Up Mileage - 1 Way	80	Miles	2.00	160.00
	Subtotal				4,735.90
	Sales Tax Norton County			7.05%	178.89
	<p>R 8/23/2011 P 8/23/2011 Esslinge 190402 4914.79 Esslinger Ranch Inc 6-35 - Pump Charge, cement + other misc used to cement surface casing</p>				
				8/23/2011 CK#11389	

We Appreciate Your Business!

Total

\$4,914.79



CHARGE TO: Barrod Oil
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 20258

PAGE 1 OF 1

SERVICE LOCATIONS

1. HAAS WELL/PROJECT NO. B-35 LEASE ESTIMATED RANCH COUNTY/PARISH ADDERON STATE MS CITY DATE 08/20/11 OWNER

2. NESS CONTRACTOR ESSIMMER RIG NAME/NO. WADWELL #8 SHIPPED VIA GT DELIVERED TO MS Deussmore ORDER NO.

3. WELL TYPE SALES WELL CATEGORY DEVELOP JOB PURPOSE SURFACE WELL PERMIT NO. 15137-20575 WELL LOCATION 535.73.222

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1			MILEAGE #112	10	mi				6.00	60.00
576.5		1			Pump Service	1	EA				1000.00	1000.00
090		1			O-Air	1	GAZ				35.00	35.00
205		2			STD cur	165	SY				13.50	2227.50
278		2			Calcium Chloride	5	SY				40.00	200.00
279		2			Bentonite Gel	3	SY				25.00	75.00
581		2			Service Oil cur	165	SY				2.00	330.00
583		2			Drays	648	74	TM			1.00	648.00
503		1			Musette Pickup	80	mi				2.00	160.00

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

DATE SIGNED 08/20/11 TIME SIGNED PM A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY

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? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	4735	90
TOTAL	4914	70

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

SWIFT OPERATOR Drecker APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 08-20-11 PAGE NO. 1

CUSTOMER BAIRD OIL WELL NO. 635 LEASE ESSLINGER RANCH JOB TYPE SURFACE TICKET NO. 20258

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							ONLOCATION CMT: 16590 STD 2 1/2" GAL 3 1/2" SC 12 1/4" @ 249 8 5/8" @ 248
	1900							START CSL
	1950							BREAKCIRC W/RS, WAIT ON BUILT TOUCH!
	2035	50	2.0		✓			H2O SPACER
		5	40.0		✓			165510 CMT
		1	0		✓			START DISP
		1	5.0		✓			CIRC CMT TO PIT! <u>30810</u>
	2045	1	14.7		✓			END DISP
	2115							THANK YOU! DAVE, JOSH, B. ROB

SWIFT



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

Invoice

DATE	INVOICE #
8/26/2011	19750

BILL TO
Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#6-35	Esslinger Ra...	Norton	WW Drilling #8	Oil	Development	PTA	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	6.00	480.00
576D-P	Pump Charge - PTA - 2030 Feet	1	Job	1,000.00	1,000.00
290	D-Air	2	Gallon(s)	35.00	70.00T
328-4	60/40 Pozmix (4% Gel)	205	Sacks	11.50	2,357.50T
276	Flocele	50	Lb(s)	2.00	100.00T
581D	Service Charge Cement	205	Sacks	2.00	410.00
583D	Drayage	688	Ton Miles	1.00	688.00
	Subtotal				5,105.50
	Sales Tax Norton County			7.05%	178.19
	<p><i>R8/30/2011</i></p> <p><i>P8/30/2011</i></p> <p><i>Esslinge 190402 5283.69</i></p> <p><i>Esslinger Ranch Inc 6-35 - Pump</i></p> <p><i>Charge, cement & other misc</i></p> <p><i>expenses used to plug well</i></p>				

We Appreciate Your Business!	Total	\$5,283.69
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Services, Inc.

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

TICKET
19750

PAGE 1 OF 1

SERVICE LOCATIONS:
 1. Hays City, KS
 2. Ness City, KS
 3.
 4.

WELL/PROJECT NO: #6-35 LEASE: Estrogen Ranch COUNTY/PARISH: Norton STATE: KS DATE: 8-26-11 OWNER: same

TICKET TYPE: SERVICE CONTRACTOR: WRW #8 RIG NAME/NO.:
 SALES WELL TYPE: oil WELL CATEGORY: development JOB PURPOSE: PTA

WELL PERMIT NO.:
 DELIVERED TO: PT location
 ORDER NO.:
 WELL LOCATION:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1			MILEAGE #111	80	mi				6.00	480.00
576-P		1			Ramp Charge (PTA)	1	ea	2030'			1000.00	1000.00
290		1			D-Air	2	gal				35.00	70.00
328-Y		2			Col Permix 4/16 gal	205	lbs				11.50	2357.50
276		2			Flocele	50	#				2.00	100.00
581		2			Cement Service Charge	205	lbs				2.00	410.00
583		2			Drayage	688	TM				1.00	688.00

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.

DATE SIGNED: 8-26-11 TIME SIGNED: 1645 A.M. P.M.

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

SURVEY: 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? CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 5105 500
 TOTAL: 5283 60

SWIFT OPERATOR: Mich Bask APPROVAL:

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

Thank You

JOB LOG

SWIFT Services, Inc.

DATE 8-26-11 PAGE NO. 1

CUSTOMER Baird Oil Co. WELL NO. #6-35 LEASE Eslinger Ranch JOB TYPE PTA TICKET NO. 19750

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							on loc w/PT
	1400							Bulk Trk on loc
								TD 3841'
								DP. 4 1/2" x 2030' x 16.6" #
								1st Plug 2030' 25sks 60% Per 4% gel
	1415	5	0			200		start wtr
		5	10/0			200		start cnt 25sks
		5	7/0			200		start wtr
		5	3/0			200		start mad
	1425		20					Balanced
								2nd Plug 1210'
	1500	5	0			150		start wtr
		5	10/0			150		start cnt 100sks 60% Per 4% gel
		5	26/0			150		start wtr
	1510		3					Balanced
								3rd Plug 300'
	1540	4	0			50		start wtr
		4	10/0			50		start cnt 40sks 60% Per 4% gel
	1545	4	11/0			50		start wtr
			1					Balanced
								4th Plug 40'
	1630		0					start cnt 10sks 60% Per 4% gel
			3					Hole full
								Rathole
	1635		0					start cnt 30sks 60% Per 4% gel
			8					Hole full
	1640							Well Plugged
								Thank you
								Nick, Josh E, & David



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC.**

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.23 @ 21:40:05

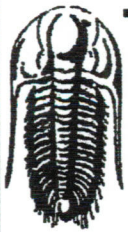
End Date: 2011.08.24 @ 03:14:59

Job Ticket #: 041937 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041937 DST#: 1

ATTN: Richard Bell

Test Start: 2011.08.23 @ 21:40:05

GENERAL INFORMATION:

Formation: **LKC-A**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 23:20:30
 Time Test Ended: 03:14:59
 Interval: **3572.00 ft (KB) To 3590.00 ft (KB) (TVD)**
 Total Depth: **3590.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Kreutzer Jr.**
 Unit No: **36**
 Reference Elevations: **2339.00 ft (KB)**
2334.00 ft (CF)
 KB to GR/CF: **5.00 ft**

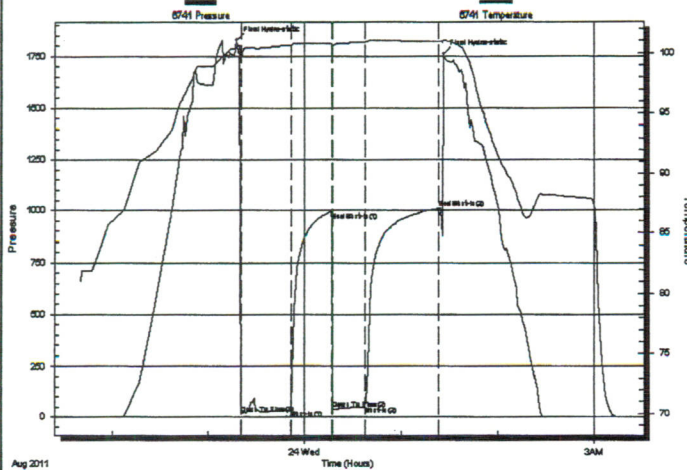
Serial #: 6741

Outside

Press@RunDepth: **51.47 psig @ 3574.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.08.23** End Date: **2011.08.24** Last Calib.: **2011.08.24**
 Start Time: **21:40:05** End Time: **03:14:59** Time On Btrm
 Time Off Btrm **2011.08.23 @ 23:17:30**

TEST COMMENT: IF: Weak blow, surface over 30 mins.
 IS: No blow back over 30 mins.
 FF: Weak blow, surface. Died in 10 mins.
 FS: No blow back over 30 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.32	100.45	Final Hydro-static
3	13.60	99.54	Open To Flow (1)
34	36.75	100.64	Shut-In(1)
60	946.37	100.76	End Shut-In(1)
60	38.29	100.55	Open To Flow (2)
81	51.47	100.90	Shut-In(2)
126	1009.40	100.96	End Shut-In(2)
129	1759.06	101.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	vsocw m-3%o10%w 87%w	0.30
20.00	vsocmw -10%o70%w 20%m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041937

DST#: 1

ATTN: Richard Bell

Test Start: 2011.08.23 @ 21:40:05

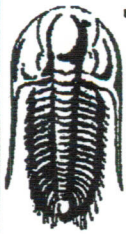
Tool Information

Drill Pipe:	Length: 3446.00 ft	Diameter: 3.80 inches	Volume: 48.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 52000.00 lb
		Total Volume:	48.95 bbl	Tool Chased 5.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 440000.0 lb
Depth to Top Packer:	3572.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3557.00	
Hydraulic tool	5.00			3562.00	
Packer	5.00			3567.00	20.00 Bottom Of Top Packer
Packer	5.00			3572.00	
Stubb	1.00			3573.00	
Perforations	1.00			3574.00	
Recorder	0.00	6752	Inside	3574.00	
Recorder	0.00	6741	Outside	3574.00	
Perforations	13.00			3587.00	
Bullnose	3.00			3590.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041937

DST#: 1

ATTN: Richard Bell

Test Start: 2011.08.23 @ 21:40:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: 0.13 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	vsocw m-3%o10%w 87%w	0.295
20.00	vsocmw -10%o70%w 20%m	0.098

Total Length: 80.00 ft Total Volume: 1194.929 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

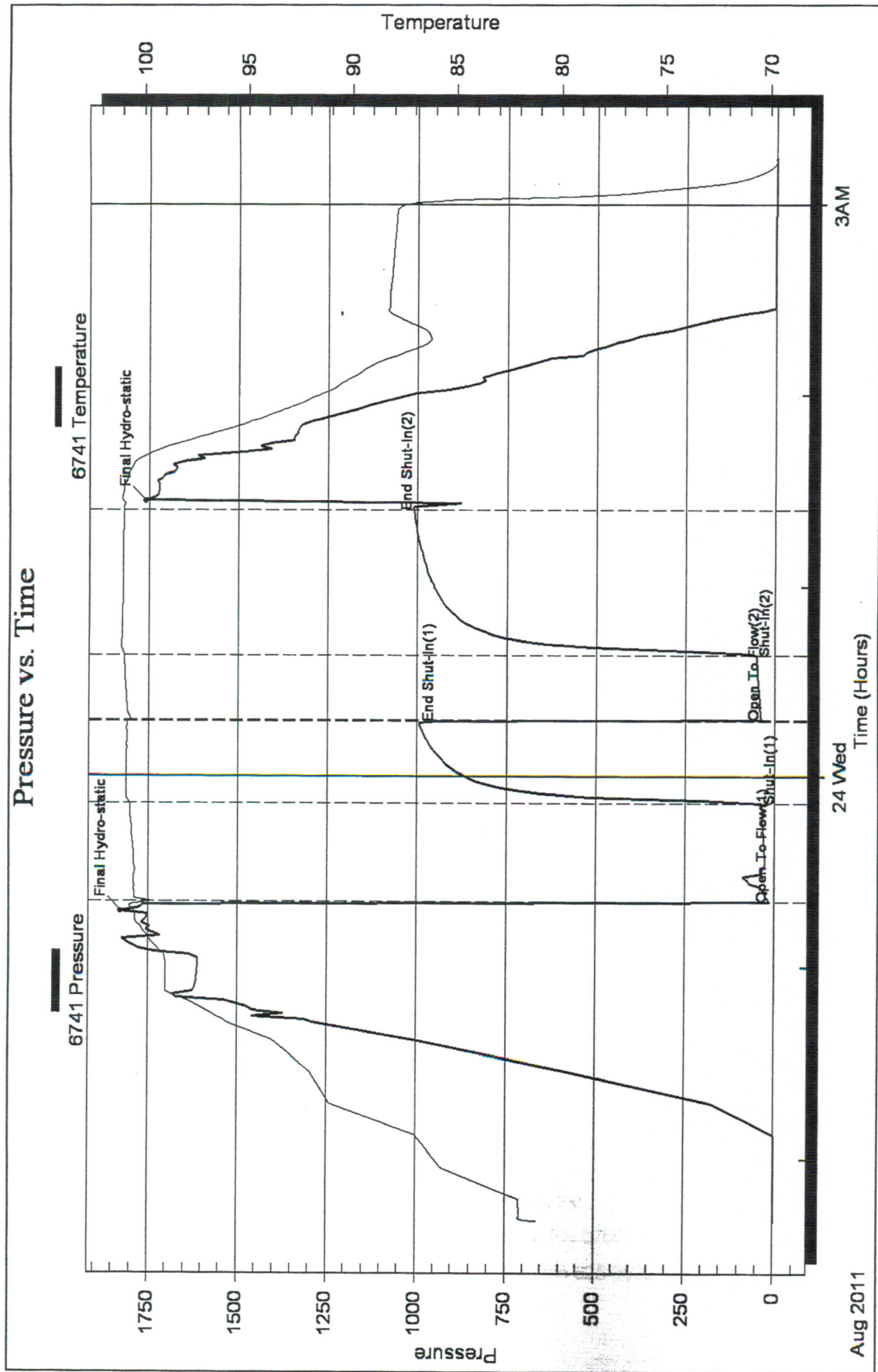
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC.**

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.24 @ 10:15:00

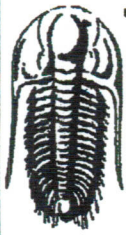
End Date: 2011.08.24 @ 14:39:30

Job Ticket #: 041938 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

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041938 DST#: 2

ATTN: Richard Bell

Test Start: 2011.08.24 @ 10:15:00

GENERAL INFORMATION:

Formation: **LKC-C**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 11:55:00

Time Test Ended: 14:39:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3596.00 ft (KB) To 3620.00 ft (KB) (TVD)**

Total Depth: 3620.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2339.00 ft (KB)

2334.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 16.11 psig @ 3598.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.24

End Date: 2011.08.24

Last Calib.: 2011.08.24

Start Time: 10:15:05

End Time: 14:39:29

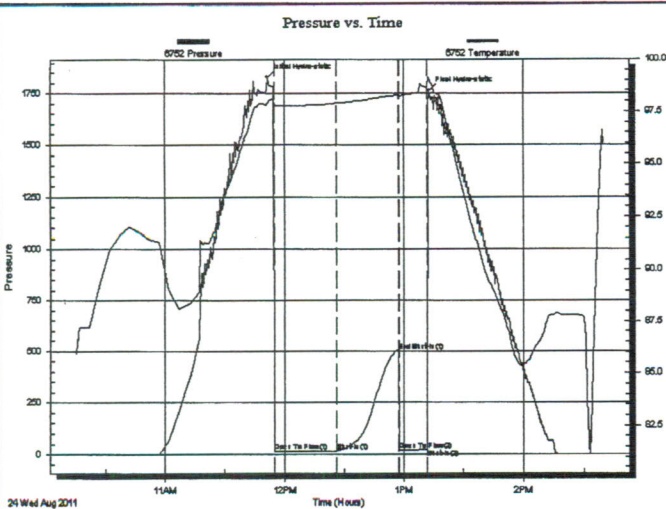
Time On Btm: 2011.08.24 @ 11:51:30

Time Off Btm: 2011.08.24 @ 13:13:00

TEST COMMENT: IF: Tool opened, Didn't have any surge.(blow). Ran 30 mins.

IS: No blow back over 30 mins.

FF: Opened tool, Waited 10 mins. No blow. Flushed tool, Weak surge, Died. Pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1828.33	97.91	Initial Hydro-static
4	13.39	97.78	Open To Flow (1)
35	16.11	97.90	Shut-In(1)
66	500.19	98.28	End Shut-In(1)
66	18.33	98.22	Open To Flow (2)
81	23.32	98.65	Shut-In(2)
82	1761.61	99.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM-15%O85%M	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041938

DST#: 2

ATTN: Richard Bell

Test Start: 2011.08.24 @ 10:15:00

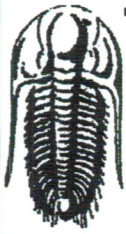
Tool Information

Drill Pipe:	Length: 3457.00 ft	Diameter: 3.80 inches	Volume: 48.49 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.10 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3596.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3581.00	
Hydraulic tool	5.00			3586.00	
Packer	5.00			3591.00	20.00 Bottom Of Top Packer
Packer	5.00			3596.00	
Stubb	1.00			3597.00	
Perforations	1.00			3598.00	
Recorder	0.00	6752	Inside	3598.00	
Recorder	0.00	6741	Outside	3598.00	
Perforations	19.00			3617.00	
Bullnose	3.00			3620.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041938

DST#: 2

ATTN: Richard Bell

Test Start: 2011.08.24 @ 10:15:00

Mud and Cushion Information

Mud Type: Gel Chem ✓
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.17 in³
Resistivity: ohm.m
Salinity: 1600.00 ppm
Filter Cake: 2.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM-15%O85%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

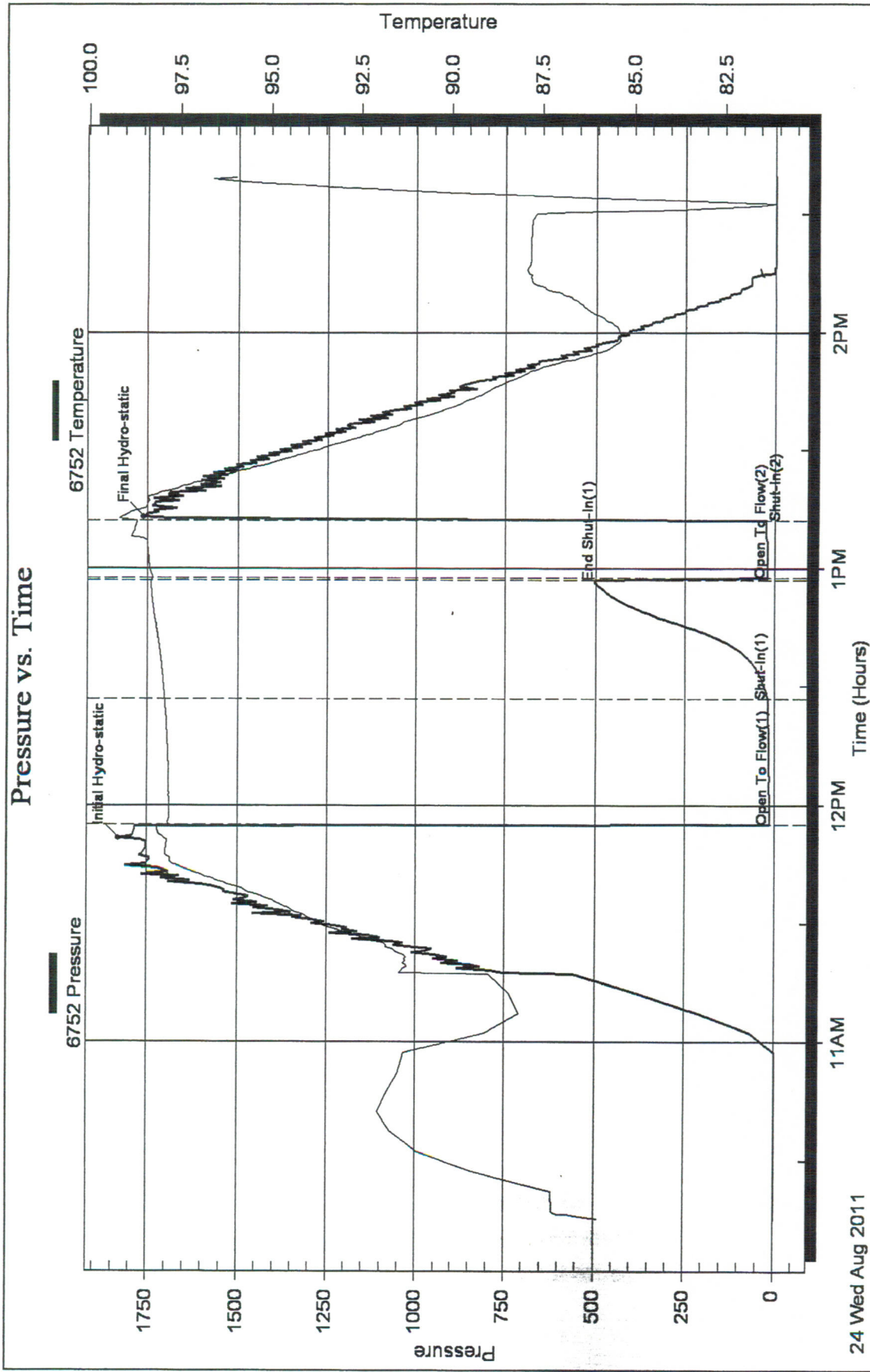
Serial #: 6752

Inside Baird Oil Company LLC.

35 3s 22w Norton, KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC.**

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.24 @ 20:15:00

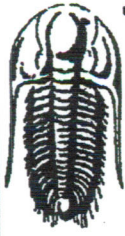
End Date: 2011.08.25 @ 01:14:00

Job Ticket #: 041940 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

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041940

DST#: 3

ATTN: Richard Bell

Test Start: 2011.08.24 @ 20:15:00

GENERAL INFORMATION:

Formation: **LKC-D**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 21:53:00

Time Test Ended: 01:14:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3619.00 ft (KB) To 3635.00 ft (KB) (TVD)**

Total Depth: 3590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2339.00 ft (KB)

2334.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 15.75 psig @ 3620.00 ft (KB)

Start Date: 2011.08.24

End Date:

2011.08.25

Capacity: 8000.00 psig

Last Calib.:

2011.08.25

Start Time: 20:15:05

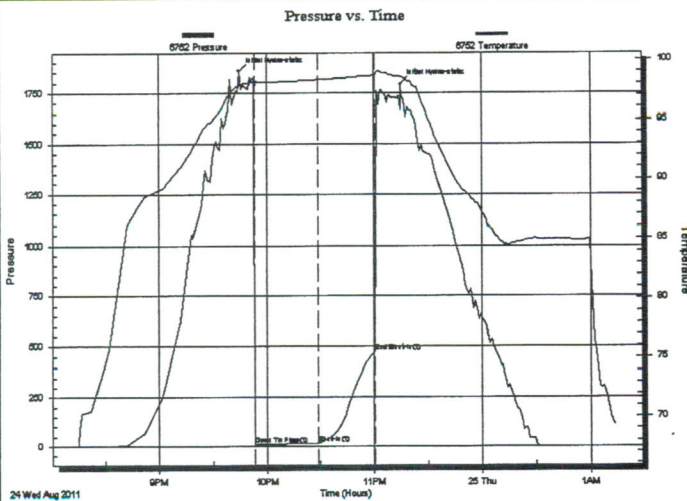
End Time:

01:13:59

Time On Btmr 2011.08.24 @ 21:44:30

Time Off Btmr

TEST COMMENT: IF: Weak surface blow, Died in 3 mins.
IS: No blow back over 30 mins.
-----Pulled tool-----



PRESSURE SUMMARY

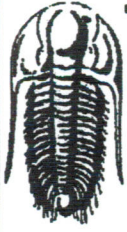
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1856.59	97.85	Initial Hydro-static
9	9.15	97.47	Open To Flow (1)
45	15.75	98.30	Shut-In(1)
76	470.65	98.63	End Shut-In(1)
91	1791.66	98.51	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm--30%o70 %m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton, KS

Job Ticket: 041940

DST#: 3

ATTN: Richard Bell

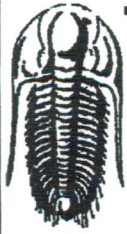
Test Start: 2011.08.24 @ 20:15:00

Tool Information

Drill Pipe:	Length: 3488.00 ft	Diameter: 3.80 inches	Volume: 48.93 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.54 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3619.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3604.00	
Hydraulic tool	5.00			3609.00	
Packer	5.00			3614.00	20.00 Bottom Of Top Packer
Packer	5.00			3619.00	
Stubb	1.00			3620.00	
Recorder	0.00	6752	Inside	3620.00	
Recorder	0.00	6741	Outside	3620.00	
Perforations	12.00			3632.00	
Bullnose	3.00			3635.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041940 **DST#: 3**

ATTN: Richard Bell

Test Start: 2011.08.24 @ 20:15:00

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	ocm--30%o70 %m	0.098

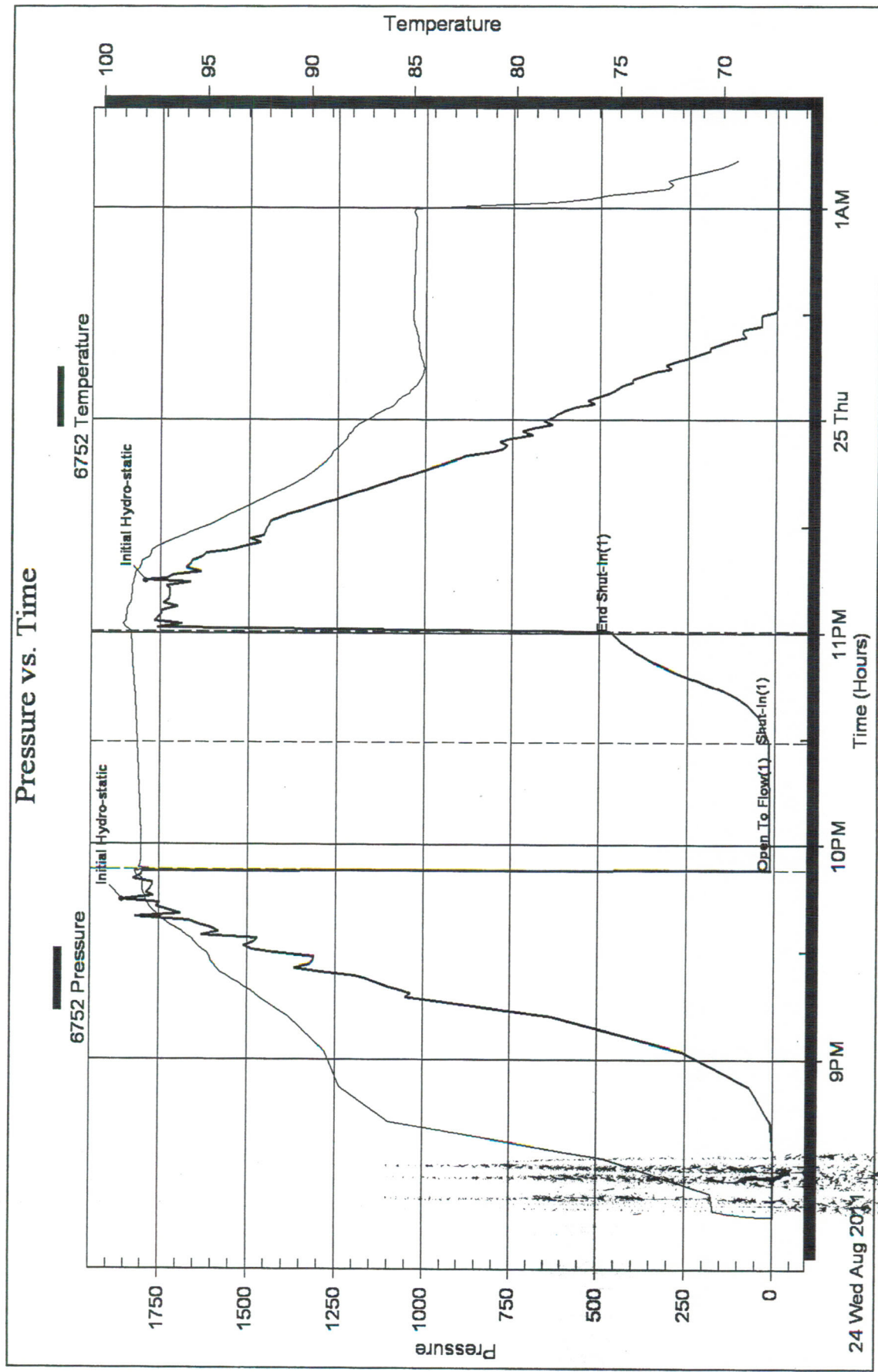
Total Length: 20.00 ft Total Volume: 0.098 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC.**

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.25 @ 21:51:00

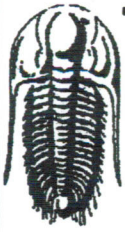
End Date: 2011.08.26 @ 02:11:30

Job Ticket #: 041941 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

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

ATTN: Richard Bell

Job Ticket: 041941

DST#: 4

Test Start: 2011.08.25 @ 21:51:00

GENERAL INFORMATION:

Formation: **Pre-Cambrian**

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

Time Tool Opened: 23:39:00

Time Test Ended: 02:11:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3817.00 ft (KB) To 3841.00 ft (KB) (TVD)**

Reference Elevations: 2339.00 ft (KB)

Total Depth: 3841.00 ft (KB) (TVD)

2334.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 15.83 psig @ 3819.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.25

End Date:

2011.08.26

Last Calib.: 2011.08.26

Start Time: 21:51:05

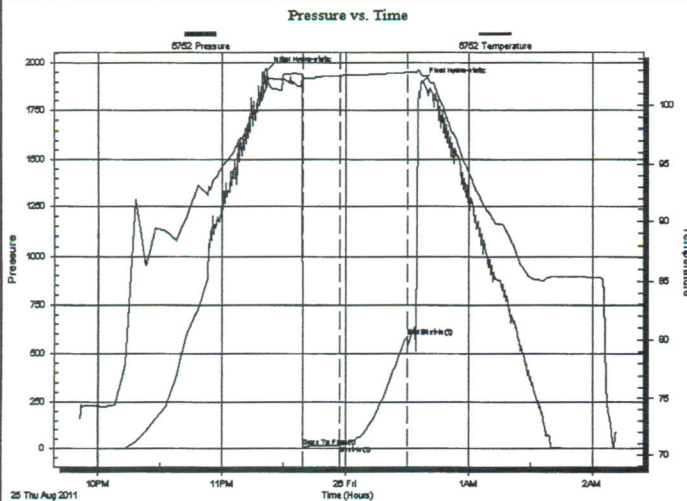
End Time:

02:11:29

Time On Btmr: 2011.08.25 @ 23:21:30

Time Off Btmr: 2011.08.26 @ 00:37:30

TEST COMMENT: IF: Weak blow, died in 7 mins.
IS: No blow back over 20 mins
-----Pulled tool-----



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.59	101.58	Initial Hydro-static
18	12.18	102.42	Open To Flow (1)
36	15.83	102.52	Shut-In(1)
69	587.35	102.80	End Shut-In(1)
76	1896.39	102.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud wih a few tar like oil specs.	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041941 **DST#: 4**

ATTN: Richard Bell

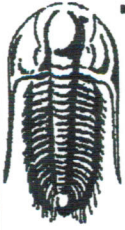
Test Start: 2011.08.25 @ 21:51:00

Tool Information

Drill Pipe:	Length: 3703.00 ft	Diameter: 3.80 inches	Volume: 51.94 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 52.55 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3817.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3802.00	
Hydraulic tool	5.00			3807.00	
Packer	5.00			3812.00	20.00 Bottom Of Top Packer
Packer	5.00			3817.00	
Stubb	1.00			3818.00	
Perforations	1.00			3819.00	
Recorder	0.00	6752	Inside	3819.00	
Recorder	0.00	6741	Outside	3819.00	
Perforations	19.00			3838.00	
Bullnose	3.00			3841.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041941

DST#: 4

ATTN: Richard Bell

Test Start: 2011.08.25 @ 21:51:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud w ih a few tar like oil specs.	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

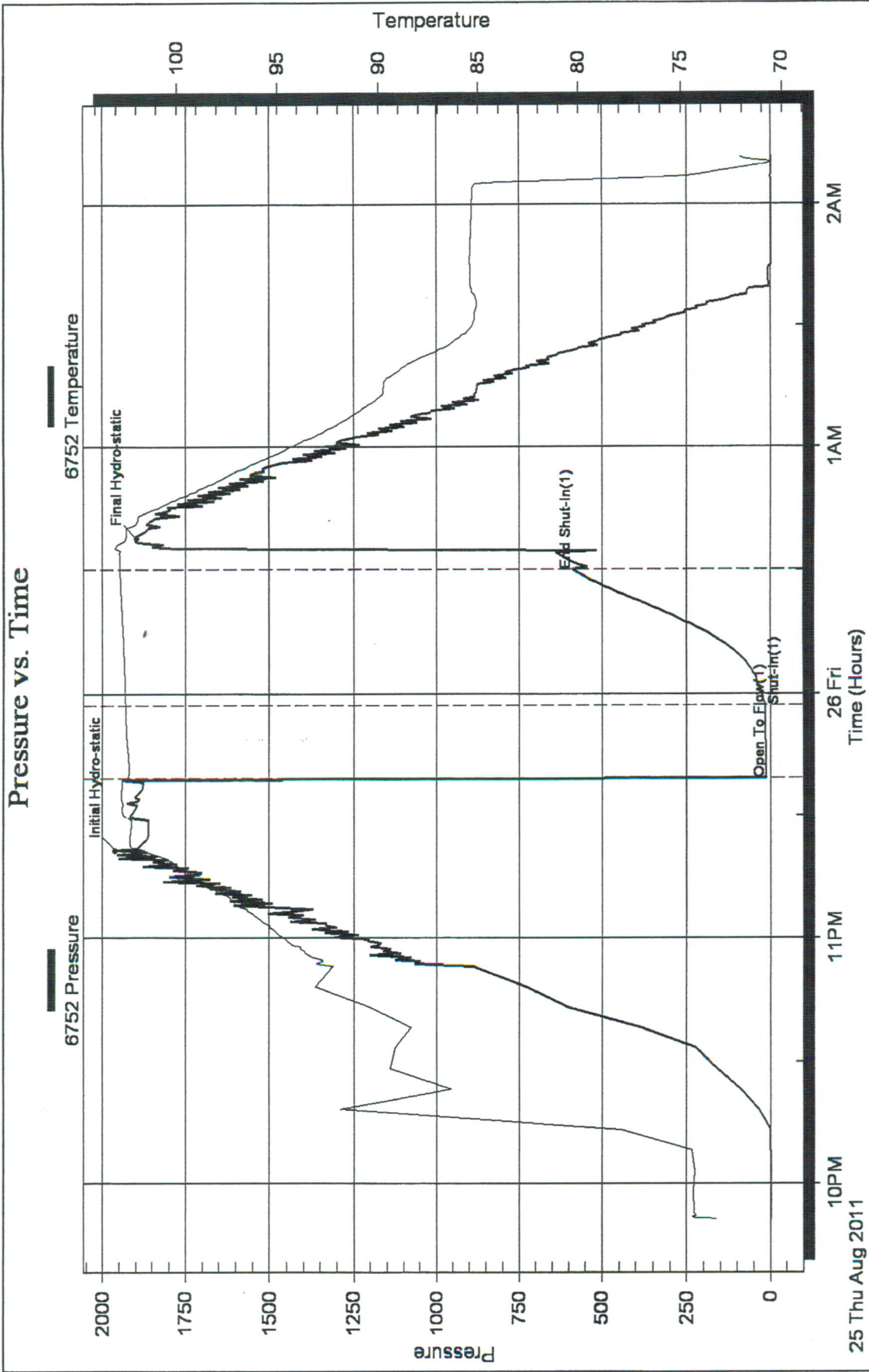
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC.**

P.O.Box 428
Logan, KS 67646

ATTN: Richard Bell

35 3s 22w Norton,KS

Esslinger Ranch, Inc #6-35

Start Date: 2011.08.26 @ 02:50:00

End Date: 2011.08.26 @ 09:20:30

Job Ticket #: 041942 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

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

ATTN: Richard Bell

Job Ticket: 041942

DST#: 5

Test Start: 2011.08.26 @ 02:50:00

GENERAL INFORMATION:

Formation: **LKC-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:34:30

Time Test Ended: 09:20:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer Jr.

Unit No: 36

Interval: **3731.00 ft (KB) To 3841.00 ft (KB) (TVD)**

Reference Elevations: 2339.00 ft (KB)

Total Depth: 3841.00 ft (KB) (TVD)

2334.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press@RunDepth: 103.15 psig @ 3733.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.26

End Date:

2011.08.26

Last Calib.: 2011.08.26

Start Time: 02:50:05

End Time:

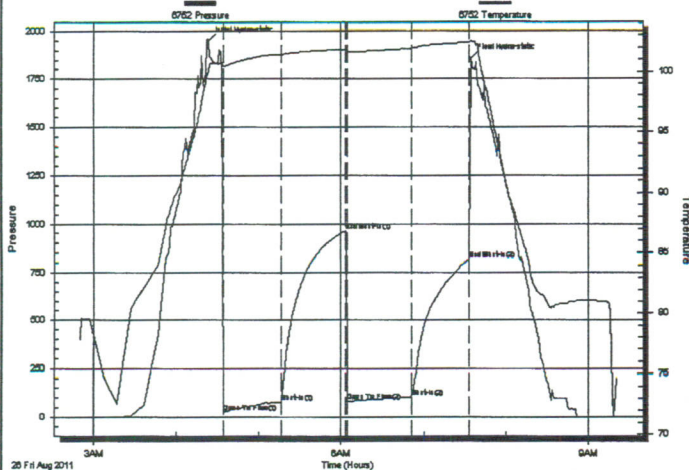
09:20:29

Time On Btmr 2011.08.26 @ 04:23:30

Time Off Btmr 2011.08.26 @ 07:34:30

TEST COMMENT: IF: Weak blow, Built to 7 in. over 45 mins.
IS: No blow back over 45 mins.
FF: Weak blow, Built to 5 in. over 45 mins.
FS: No blow back over 45 mins.

Pressure vs. Time



PRESSURE SUMMARY

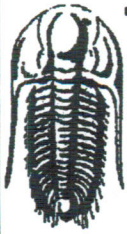
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.89	100.03	Initial Hydro-static
11	23.81	100.42	Open To Flow (1)
53	77.18	101.42	Shut-In(1)
100	961.42	101.87	End Shut-In(1)
101	80.84	101.69	Open To Flow (2)
148	103.15	101.93	Shut-In(2)
190	815.89	102.40	End Shut-In(2)
191	1857.77	102.57	Final Hydro-static

Recovery

Length (ft)	Description	Volums (bbl)
124.00	ocw m-5%o26%w 69%m	0.61
62.00	ocw m-10%o5%w 85%m	0.87
6.00	clean oil	0.08

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041942 **DST#: 5**

ATTN: Richard Bell

Test Start: 2011.08.26 @ 02:50:00

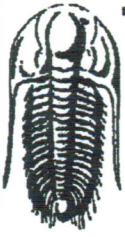
Tool Information

Drill Pipe:	Length: 3607.00 ft	Diameter: 3.80 inches	Volume: 50.60 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	6000.00 lb
			<u>Total Volume: 51.21 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3731.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	110.00 ft				
Tool Length:	130.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3716.00	
Hydraulic tool	5.00			3721.00	
Packer	5.00			3726.00	20.00 Bottom Of Top Packer
Packer	5.00			3731.00	
Stubb	1.00			3732.00	
Change Over Sub	1.00			3733.00	
Recorder	0.00	6752	Inside	3733.00	
Recorder	0.00	6741	Outside	3733.00	
Blank Spacing	92.00			3825.00	
Change Over Sub	1.00			3826.00	
Perforations	12.00			3838.00	
Bullnose	3.00			3841.00	110.00 Bottom Packers & Anchor

Total Tool Length: 130.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC.

Esslinger Ranch, Inc #6-35

P.O.Box 428
Logan, KS 67646

35 3s 22w Norton,KS

Job Ticket: 041942 DST#: 5

ATTN: Richard Bell

Test Start: 2011.08.26 @ 02:50:00

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	ocw m-5%o26%w 69%m	0.610
62.00	ocw m-10%o5%w 85%m	0.870
6.00	clean oil	0.084

Total Length: 192.00 ft Total Volume: 1.564 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

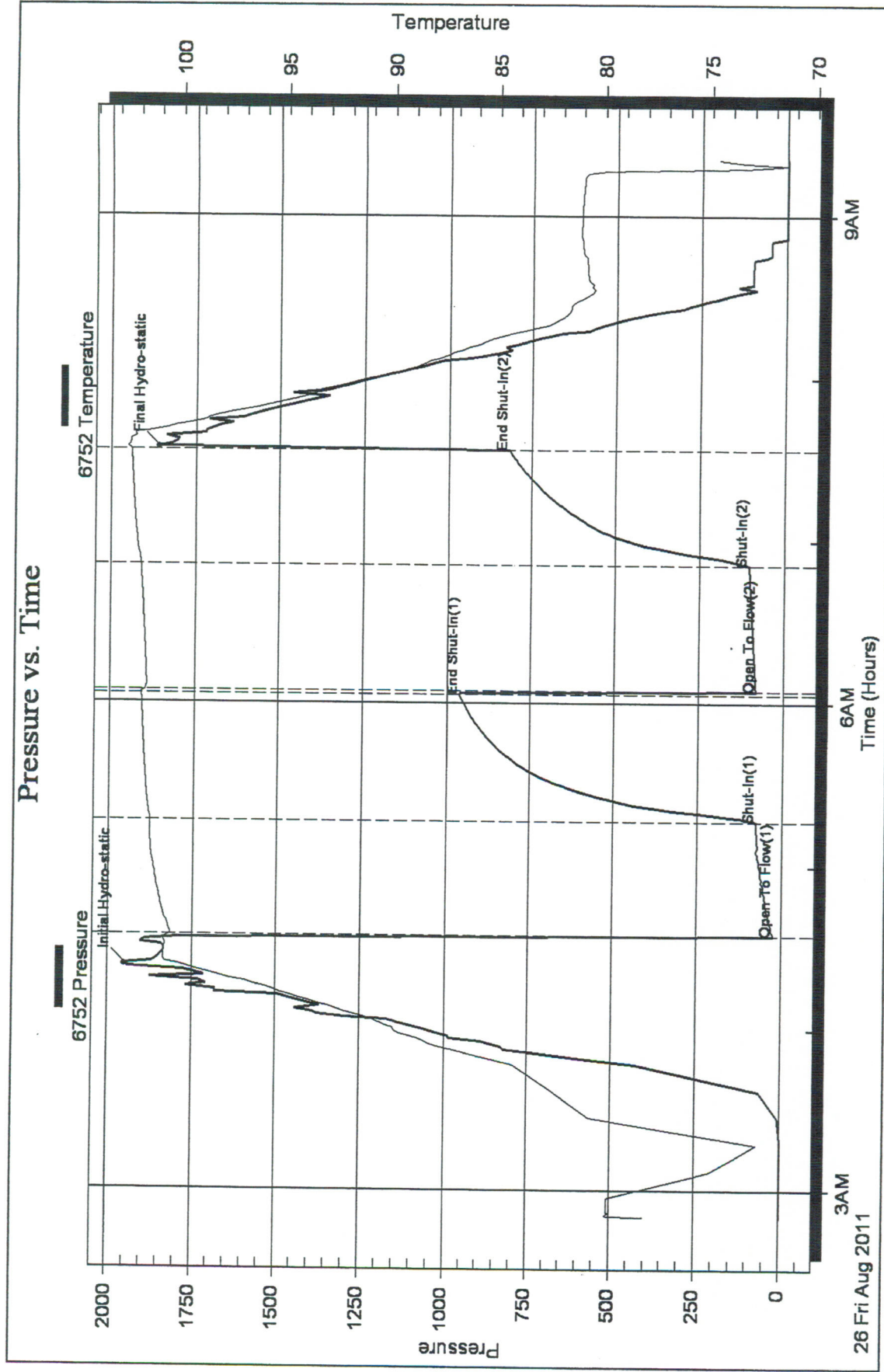
Serial #: 6752

Inside

Baird Oil Company LLC

35 3s 22w Norton, KS

DST Test Number: 5



API # 15-137-20579-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC.
 LEASE Esslinger Ranch, Inc. #6-35
 FIELD Red Fox
 LOCATION 1880' FNL + 2310' FFL
 SEC 35 TWSP 35 RGE 22W
 COUNTY Norton STATE Kansas

ELEVATION
 KB 2339'
 DF 2337'
 GL 2334'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR WW Drilling Rig #8
 SPUD 8-20-11 COMP 8-26-11
 SAMPLES SAVED FROM 3250' TO R.T.D.

CASING
 Surface 8500 249'
 Production None

ELECTRIC LOGS
 Superior Well Services

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				●	●		
Anhydrite	2016	2015	+ 324	+ 322	+ 316		
Base Anhydrite	2046	2045	+ 294	+ 292	+ 287		
Topeka	3339	3339	- 1000	- 992	- 997		
Heebner	3540	3539	- 1200	- 1192	- 1195		
Toronto	3565	3565	- 1226	- 1216	- 1221		
Lansing	3581	3581	- 1242	- 1233	- 1237		
Base Kansas City	3767	3766	- 1427	- 1423	- 1422		
Marmaton	3795	3794	- 1455	- 1451	- 1449		
Pre Cambrian	3825	3824	- 1485	- 1479	- 1463		
Total Depth	3841	3841	- 1502	- 1498	- 1494		

REFERENCE WELLS

- A Baird Oil Co., Esslinger Ranch, Inc. #3-35, 445' FNL + 2585' FNL Sec. 35-35-22
- B Baird Oil Co., Esslinger Ranch, Inc. #2-35, 2310' FNL + 965' FFL Sec. 35-35-22W
- C
- D

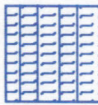
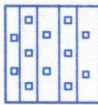
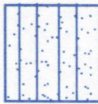
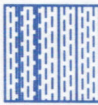

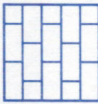
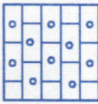

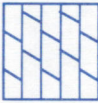
REMARKS

This well ran 5 to 9 feet lower on the Lansing top than the reference wells.
 After considering D.S.T. results and the low structural position it was decided
 this well should be plugged and abandoned.

Richard B. Bell
 8-26-11

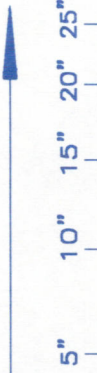
7502

LEGEND

- 
 Anhydrite
- 
 Salt
- 
 Sandstone
- 
 Shale
- 
 Carb sh
- 
 Limestone
- 
 Ool. Lime
- 
 Chert
- 
 Dolomite

DRILLING TIME IN MINUTES
 PER FOOT

Rate of Penetration Decreases



DEPTH

2000

20

LITHOLOGY

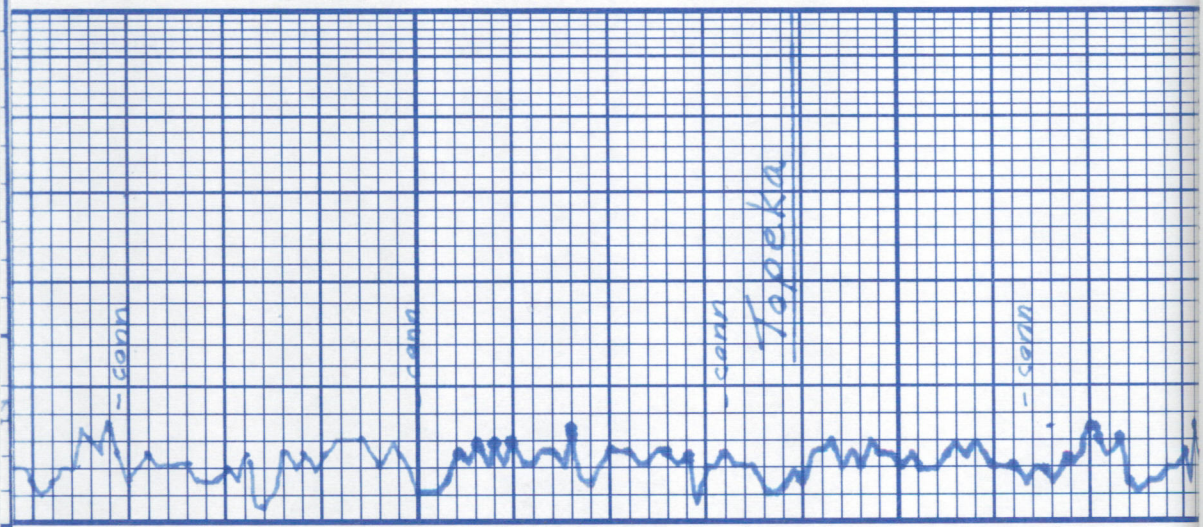


OIL SHOWS

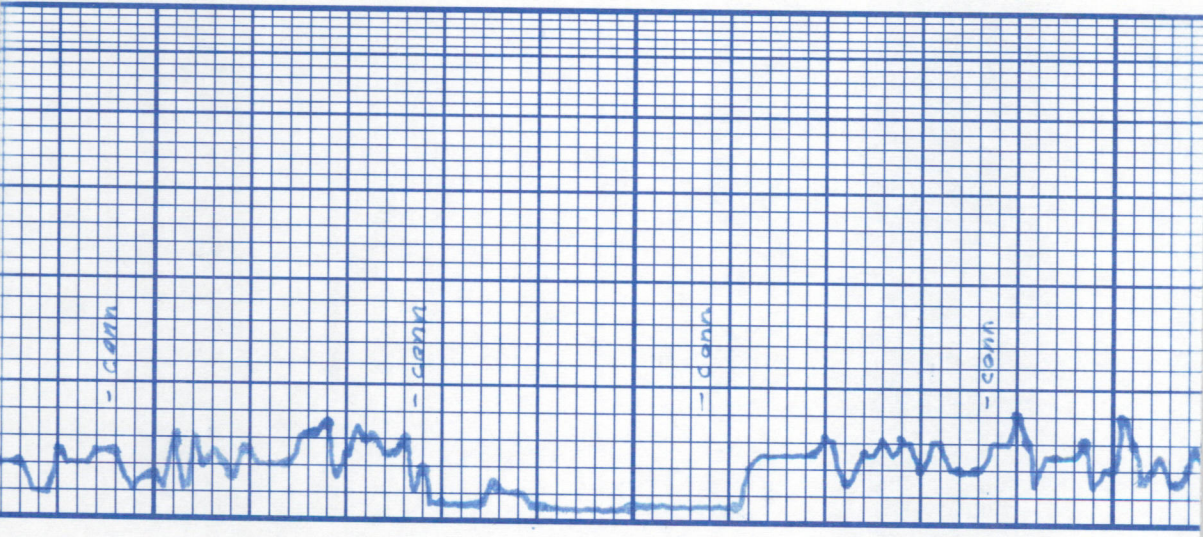
SAMPLE DESCRIPTIONS

REMARKS

LOG 7710



60	Ls: wh-tn cky-fsln ppφ sh:brn Ls: tn-grx fsif dms sh:brn sity, gry
80	Ls: wh-tn cky-fsln ppφ friable N.S.O. Ls: tn-grx fsif dms Tr A sh:brn sity
3300	Ls: wh-tn-grx fsln-sli. fsif dms A tn sh:brn, gry Ls: wh-tn-grx cky-fsln dms Ls: gry fsln-fsif dms siltstone: gry sh:brn sity
40	Ls: wh-tn cky-fsln dms N.S.O. Ls: wh-tn: insr cky-fsln Tr: sli: dol ppφ N.S.O. Tr: A Ls: wh-tn: vel cky-fsln ool ppφ N.S.O.
80	sh:brn gry Ls: wh-tn cky-fsln sli: dol ppφ N.S.O. A tn-or sh:brn sity



3400	<p>PPΦ N.S.O. Sltstone: gry LS: wh-tn-brn cky-fxln PPΦ N.S.O.</p> <p>LS: wh-tn cky-fxln oöl PPΦ N.S.O. Δ tn</p> <p>LS: wh-tn cky-fxln oöl PPΦ N.S.O. Δ wh-tn</p> <p>LS: aa. sh: brn + gry</p>
40	<p>Sltstone: wh-gry, brn sh: brn</p>
60	<p>Sh: brn Sltstone: brn</p>
80	<p>LS: tn-gry fxln-tr. sli. oöl PPΦ mostly dns N.S.O. Δ gry</p> <p>Sltstone: wh cky fr. able</p> <p>LS: wh-tn cky-fxln dns sh: brn, gry</p>
3500	<p>LS: brn mtd fxln dns sh: brn, gry</p> <p>LS: brn gry fxln dns</p>

3400

20

40

60

80

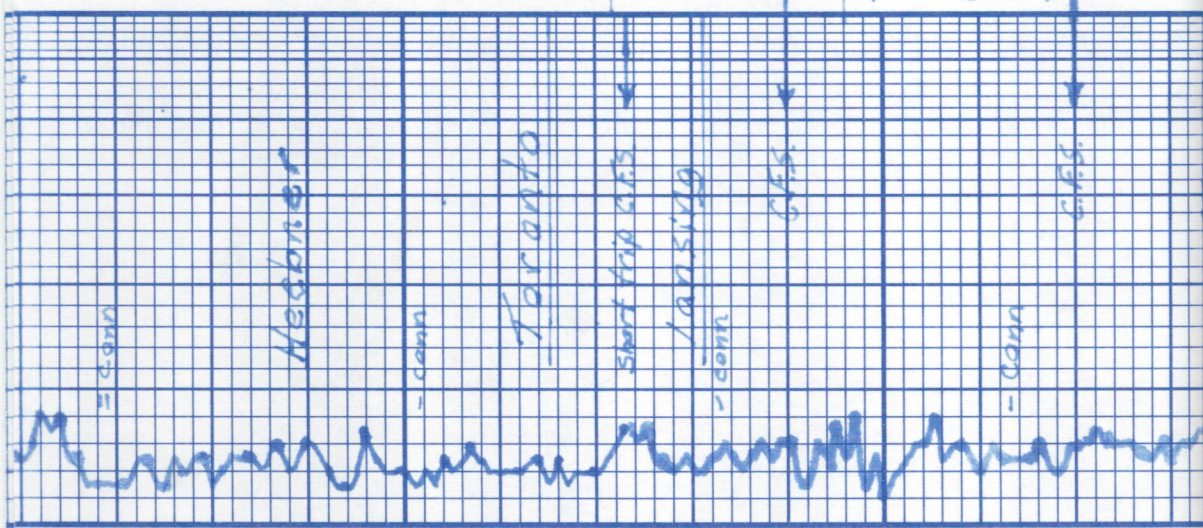
3500

- conn

- conn

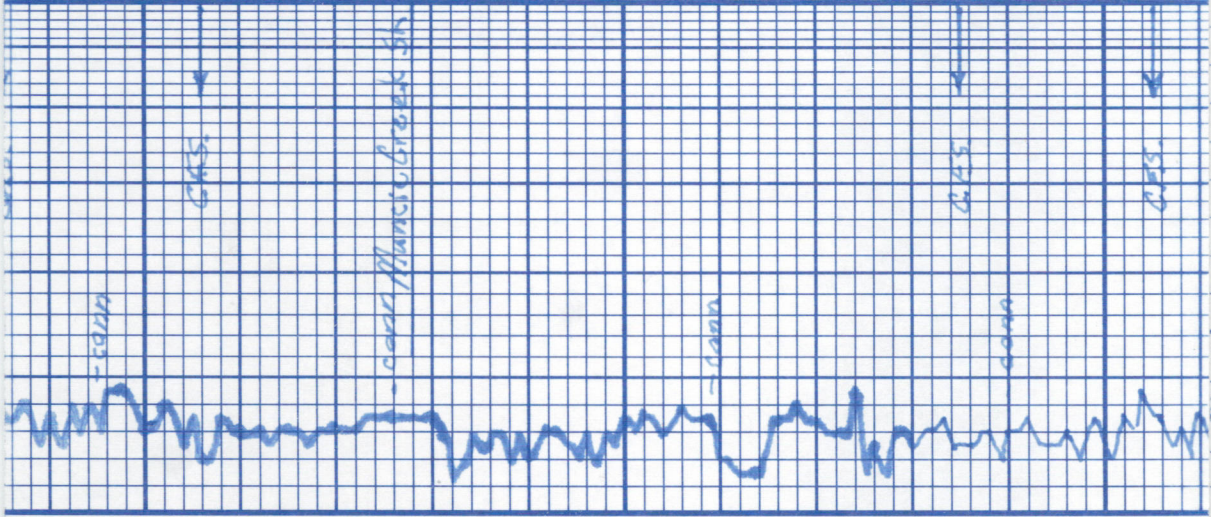
- conn

- conn



15: wh-tn sli.cky-fxl n ool- sub ool pr. pp & N.S.O.	20	15: wh-tn sli.cky-fxl n ool- sub ool pr. pp & N.S.O.
15: wh-tn fxl n dms	40	15: wh-tn fxl n dms
Sh: blk Carb.		Sh: blk Carb.
15: gry. sli. mtd fsl dms shly: pr. spks		15: gry. sli. mtd fsl dms shly: pr. spks
Shly: brn, gry	60	Shly: brn, gry
15: wh-tn cky-fxl n sli. ool pp & N.S.O. dms		15: wh-tn cky-fxl n sli. ool pp & N.S.O. dms
shly: brn shty		shly: brn shty
15: wh-tn cky-fxl n ool pp & scat lt. sptd o str. Tr. fuly diss. dil. p. crushing No odor	80	15: wh-tn cky-fxl n ool pp & scat lt. sptd o str. Tr. fuly diss. dil. p. crushing No odor
15: wh-tn fxl n dms	3600	15: wh-tn fxl n dms
Sh: brn, gry		Sh: brn, gry
15: wh-tn sli.cky-fxl n t. ool pp & Tr. sptd o str. pr. lt. edge str. N.F. Q. No odor		15: wh-tn sli.cky-fxl n t. ool pp & Tr. sptd o str. pr. lt. edge str. N.F. Q. No odor
shly: gry, brn	20	shly: gry, brn
15: wh-tn sli.cky-fxl n ool pp & Tr. v. sptd drk o set		15: wh-tn sli.cky-fxl n ool pp & Tr. v. sptd drk o set

Board 3614.54
 Strap 3614.03
 Diff .51
 Incline: 1° @ 3590'
 Trilobite Testing
 DST#1 3572'-3590'
 30-39-15-30
 IF: wk blow
 FF: 10 min. surface blow
 Recovery: 80 Total
 20' 50c w/m
 37% O, 10% W, 87% A
 20' 50c m/w 10% O,
 70% W, 20% M
 HYD: 1825-1759#
 FP: 14-37/38-51#
 BHP: 946-1009#
 BH Temp: 100°F.
 Chlorides: 6900ppm
 DST#2 3596'-3620'
 30-30-15-0
 IF: No blow flushed top
 FF: No blow, flushed top
 Recovery: 20' 50c m/w



40. E	No odor Δry to-Lt. gry	LS: wh-Lt. gry fxl n dns N.S.O.	sh: brn, gry	LS: wh-trn fxl n sl: öl tr pp p seat pr. ls. 0.5 tr Rf pp f.a. No odor
60. G	No odor	LS: wh-trcky-fxl n öl pp tr vsy p / pc. sl: öl g. lt spid 0.5 tr N.E. a.	No odor	LS: wh-trn fxl n dns Atx 4K sh: 6K-Carb
80	sh: brn, gry	LS: trn-gry mtd fsl dns	LS: wh-trcky-fxl n dns N.S.O.	LS: trn-gry mtd fsl dns
'H'	3700	LS: tr-gry fxl n dns	sh: y: gry, brn	LS: trn-brn fxl n dns N.S. O.
'I'	20	sh: brn, gry	LS: wh-tr fxl n tr öl pp tr spst sps tr h b m sm N.F. O. No odor	sh: y: brn, gry
'J'	40	LS: wh-tr fxl n öl tr pp tr-drk g seat tr pp f.a. No odor	sh: y: brn, gry	LS: wh-tr fxl n öl tr pp tr-drk g seat tr pp f.a. No odor
'K'	60	sh: y: brn, gry		

1570, 852M
HYA: 1828-1762#
FP: 13-16/18-23#
BHP: 500#
BHTemp: 98°F

DST#3 3619'-3635'
30-30-0-0
IF: surface blow died
in 3 min.
Recovery: 20' 0cm
30% 0, 70% M
HYD: 1857-1792#
FP: 9-16#
BHP: 471#
BHTemp: 98°F

DST#4 3817'-3841'
15-20-0-0
IF: 7 min surface blow
Recovery: 3' M wTary
0 spks.
HYD: 1961-1896#
FP: 12-16#
BHP: 587#
BHTemp: 102°F

DST#5 3731'-3841'
45-45-45-45
IF: wk blow incr. to 7"
ISI: No blow
FF: wk blow incr. to 5"
FSI: No blow

Recovery:
 6' C.A.
 62' OCWM 1070, 570
 85% m
 124' OCWM 570, 2670
 69% m
 Hyd: 1950-1858#
 FP: 24-77/81-103#
 BHP: 961-816#
 BH Temp: 102°F.

LS: wh-tn cky-fxln dns N.S.O.	LS: wh-tn cky-fxln oöl Tr. PP Ø Tr drk thick 0 Stn N.F. O. No odor
Sly: brn, gry Sltstone: brn	sh-brn, gry slt
LS: wh-tn cky-fxln dns sh-brn slt	LS: wh-tn cky-fxln oöl 500t. drk thick 0 Stn
	Quartz w biotite spks drk thick 0 Stn
	incr Quartz w biotite spks Thick 0 Stn aa. PP.F.O. fr odor

