



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1078972
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1078972

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Esslinger Ranch, Inc. 1-22
Doc ID	1078972

Tops

Name	Top	Datum
Anhydrite	1989	+346
Base Anhydrite	2014	+318
Topeka	3290	-958
Heebner	3493	-1161
Toronto	3518	-1186
Lansing	3531	-1199
Base Kansas City	3723	-1391
Marmaton	3760	-1428
Arbuckle	3776	-1444
Granite	3837	-1505
Total Depth	3856	-1524

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

April 19, 2012

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

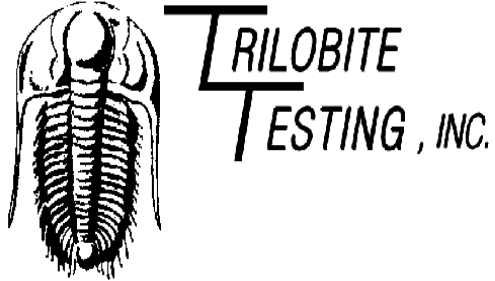
Re: ACO1
API 15-137-20601-00-00
Esslinger Ranch, Inc. 1-22
SW/4 Sec.22-03S-22W
Norton County, Kansas

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



DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Esslinger Ranch 1-22

22-3s-22w Norton KS

Start Date: 2012.04.10 @ 04:20:00

End Date: 2012.04.10 @ 08:49:30

Job Ticket #: 46052 DST #: 1

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

Printed: 2012.04.18 @ 08:46:35

Baird Oil Company, LLC. 22-3s-22w Norton KS Esslinger Ranch 1-22 DST # 1 LKC-D 2012.04.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Esslinger Ranch 1-22

ATTN: Richard Bell

Job Ticket: 46052

DST#: 1

Test Start: 2012.04.10 @ 04:20:00

GENERAL INFORMATION:

Formation: **LKC-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:18:00

Time Test Ended: 08:49:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreutzer Jr.

Unit No: 61

Interval: 3570.00 ft (KB) To 3587.00 ft (KB) (TVD)

Reference Elevations: 2332.00 ft (KB)

Total Depth: 3587.00 ft (KB) (TVD)

2327.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 11.99 psig @ 3571.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.10

End Date:

2012.04.10

Last Calib.: 2012.04.10

Start Time: 04:20:05

End Time:

08:49:29

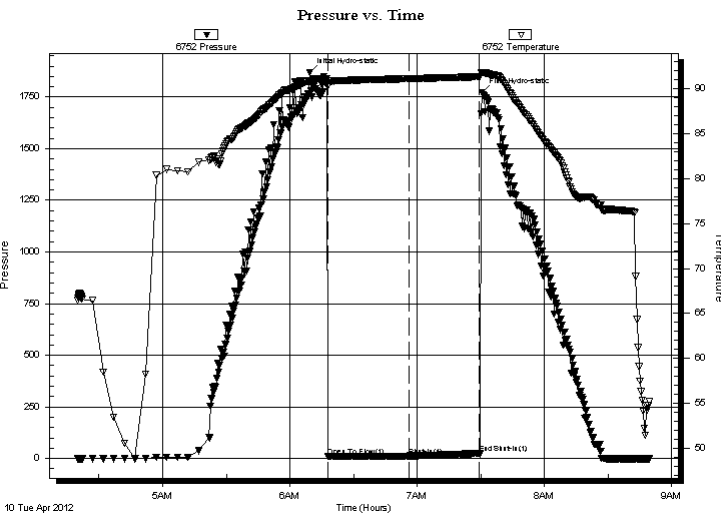
Time On Btm: 2012.04.10 @ 06:09:30

Time Off Btm: 2012.04.10 @ 07:30:30

TEST COMMENT: IF: Weak surface blow, Died in 5 mins.

IS: No blow back over 30 mins.

FF: Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.58	90.89	Initial Hydro-static
9	9.10	90.28	Open To Flow (1)
47	11.99	91.11	Shut-In(1)
80	25.25	91.34	End Shut-In(1)
81	1771.13	91.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud-100%	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Esslinger Ranch 1-22

Job Ticket: 46052

DST#: 1

ATTN: Richard Bell

Test Start: 2012.04.10 @ 04:20:00

Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 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: 55000.00 lb
			<u>Total Volume: 48.72 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3570.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3555.00	
Hydraulic tool	5.00			3560.00	
Packer	5.00			3565.00	20.00 Bottom Of Top Packer
Packer	5.00			3570.00	
Stubb	1.00			3571.00	
Recorder	0.00	6752	Inside	3571.00	
Recorder	0.00	8651	Outside	3571.00	
Perforations	13.00			3584.00	
Bullnose	3.00			3587.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Esslinger Ranch 1-22

Job Ticket: 46052

DST#: 1

ATTN: Richard Bell

Test Start: 2012.04.10 @ 04:20:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

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
5.00	mud-100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6752

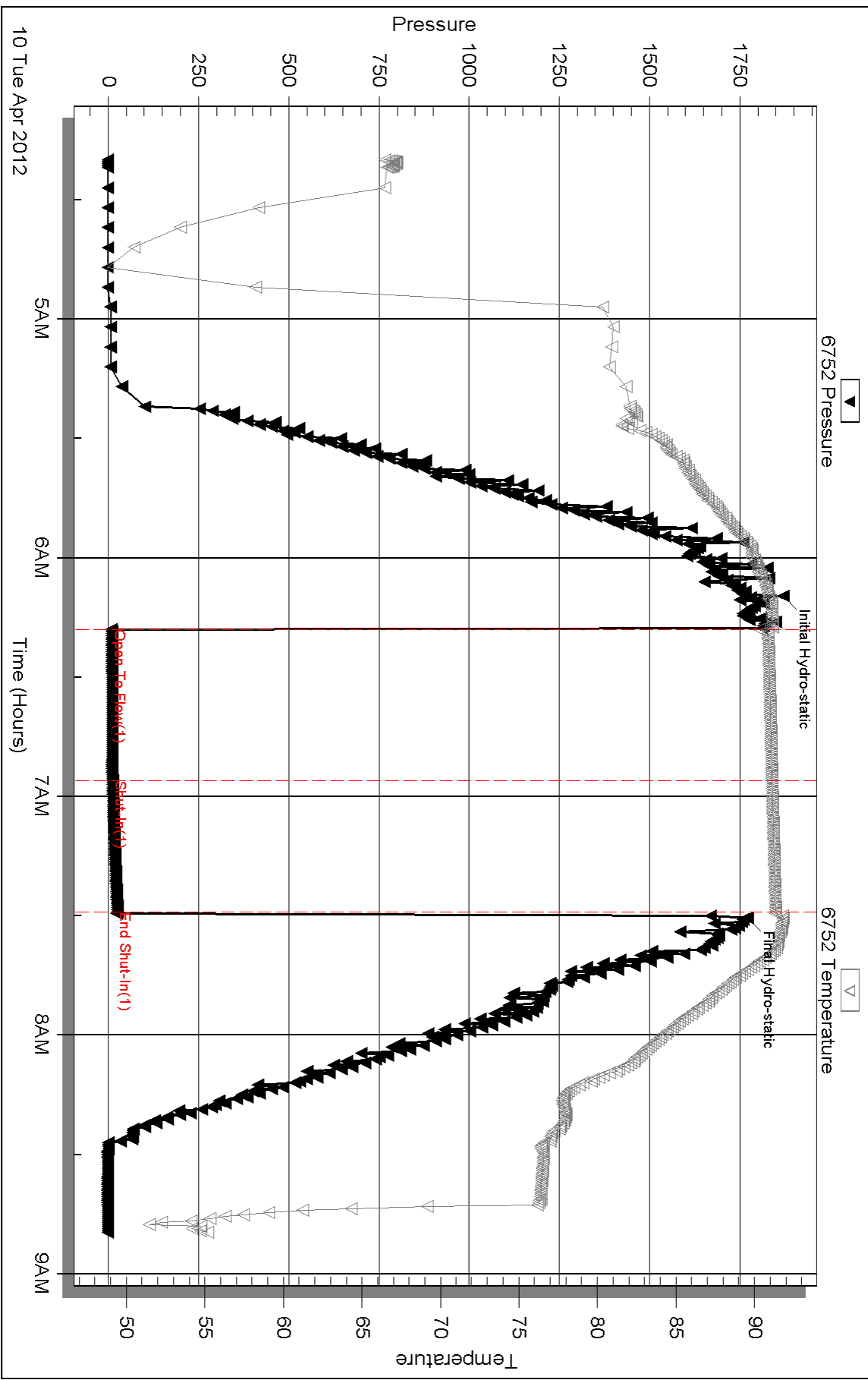
Inside

Baird Oil Company, LLC.

Esslinger Ranch 1-22

DST Test Number: 1

Pressure vs. Time

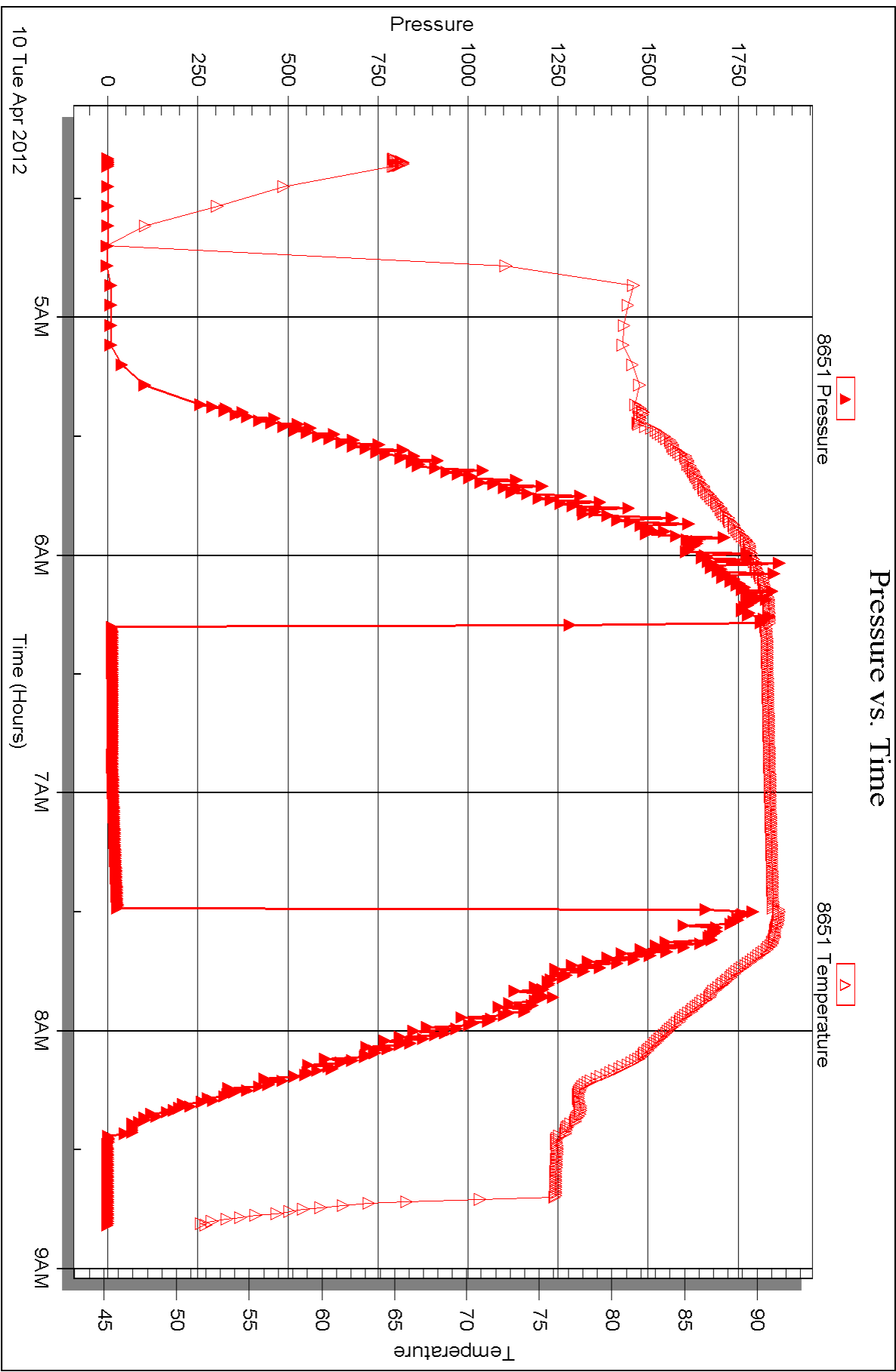


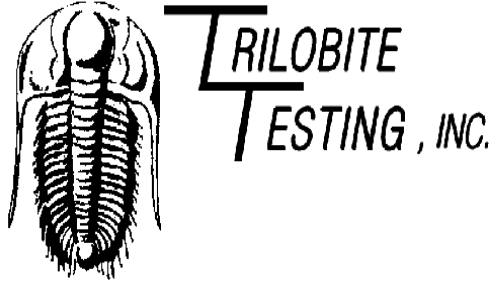
Serial #: 8651

Outside Baird Oil Company, LLC

Esslinger Ranch 1-22

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Esslinger Ranch 1-22

22-3s-22w Norton KS

Start Date: 2012.04.10 @ 20:35:00

End Date: 2012.04.11 @ 00:48:30

Job Ticket #: 46053 DST #: 2

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

Printed: 2012.04.18 @ 08:45:35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Esslinger Ranch 1-22

ATTN: Richard Bell

Job Ticket: 46053

DST#: 2

Test Start: 2012.04.10 @ 20:35:00

GENERAL INFORMATION:

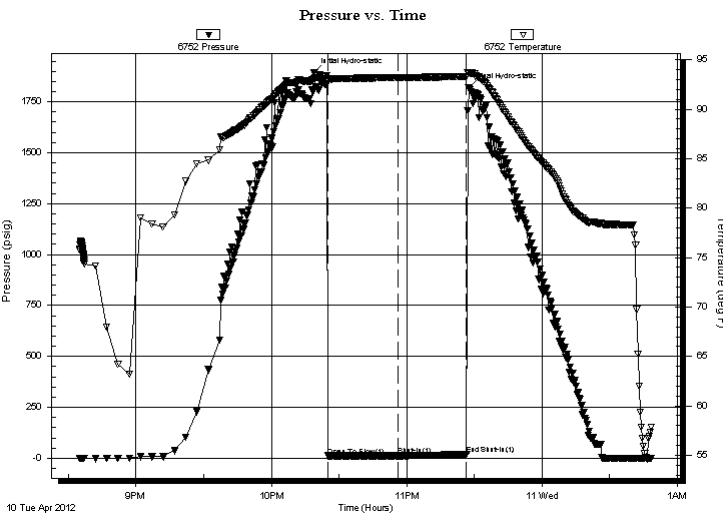
Formation: **LKC-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:25:00
 Time Test Ended: 00:48:30
 Interval: **3658.00 ft (KB) To 3692.00 ft (KB) (TVD)**
 Total Depth: 3692.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreutzer Jr.
 Unit No: 61
 Reference Elevations: 2332.00 ft (KB)
 2327.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 12.45 psig @ 3659.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.10 End Date: 2012.04.11 Last Calib.: 2012.04.11
 Start Time: 20:35:05 End Time: 00:48:30 Time On Btm: 2012.04.10 @ 22:19:00
 Time Off Btm: 2012.04.10 @ 23:27:30

TEST COMMENT: IF: Weak surface blow, Dead in 3 mins.
 IS: No blow back over 30 mins.
 FF: Pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1894.31	93.10	Initial Hydro-static
6	11.59	93.00	Open To Flow (1)
37	12.45	93.20	Shut-In(1)
68	18.21	93.32	End Shut-In(1)
69	1817.28	93.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud-100%	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Esslinger Ranch 1-22

Job Ticket: 46053

DST#: 2

ATTN: Richard Bell

Test Start: 2012.04.10 @ 20:35:00

Tool Information

Drill Pipe:	Length: 3524.00 ft	Diameter: 3.80 inches	Volume: 49.43 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: 55000.00 lb
			<u>Total Volume: 50.04 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3658.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3643.00	
Hydraulic tool	5.00			3648.00	
Packer	5.00			3653.00	20.00 Bottom Of Top Packer
Packer	5.00			3658.00	
Stubb	1.00			3659.00	
Recorder	0.00	6752	Inside	3659.00	
Recorder	0.00	8651	Outside	3659.00	
Perforations	30.00			3689.00	
Bullnose	3.00			3692.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

22-3s-22w Norton KS

PO Box 428
Logan KS 67646

Esslinger Ranch 1-22

Job Ticket: 46053

DST#: 2

ATTN: Richard Bell

Test Start: 2012.04.10 @ 20:35:00

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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

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
5.00	mud-100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

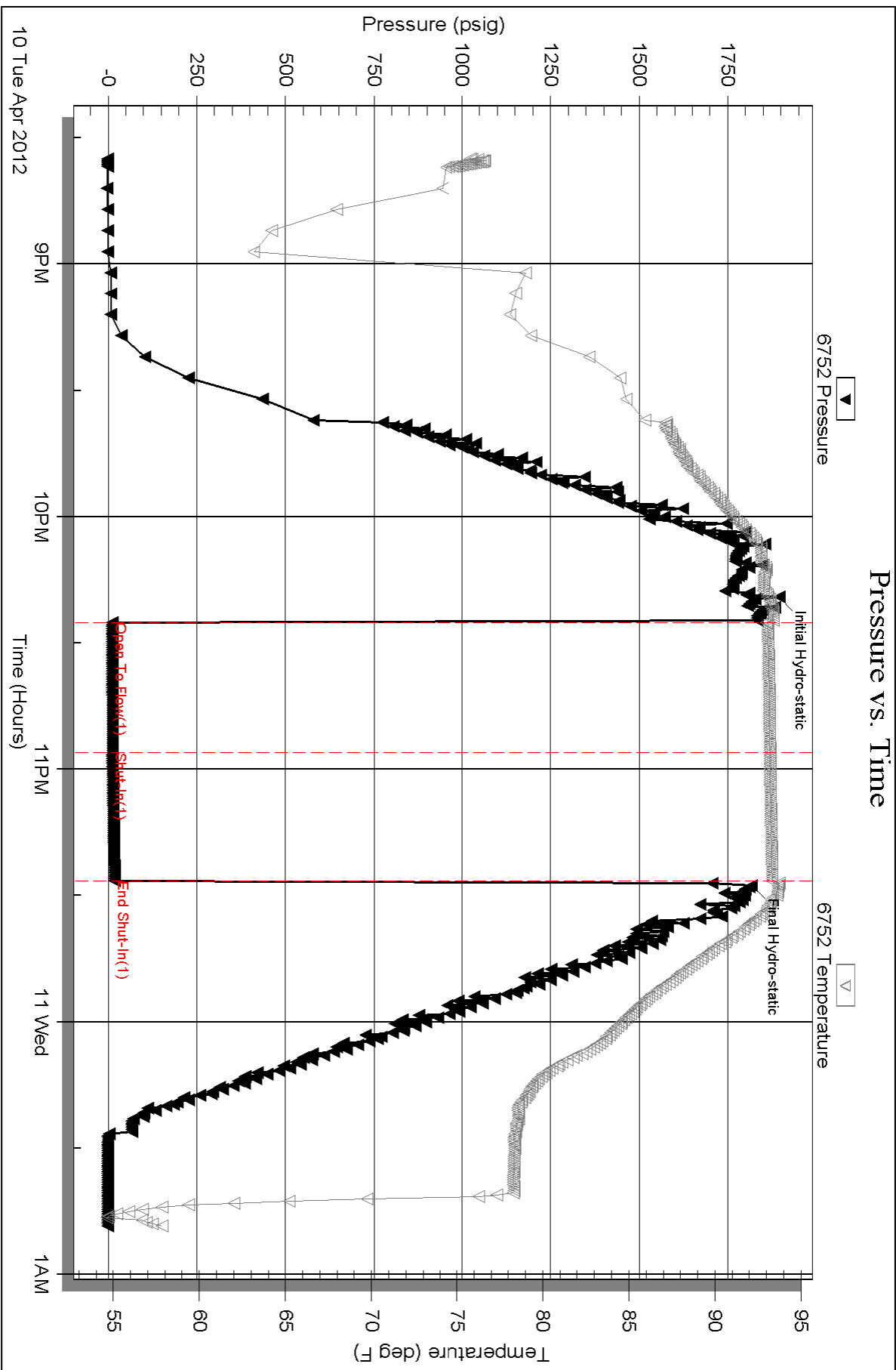
Serial #: 6752

Inside

Baird Oil Company, LLC.

Esslinger Ranch 1-22

DST Test Number: 2



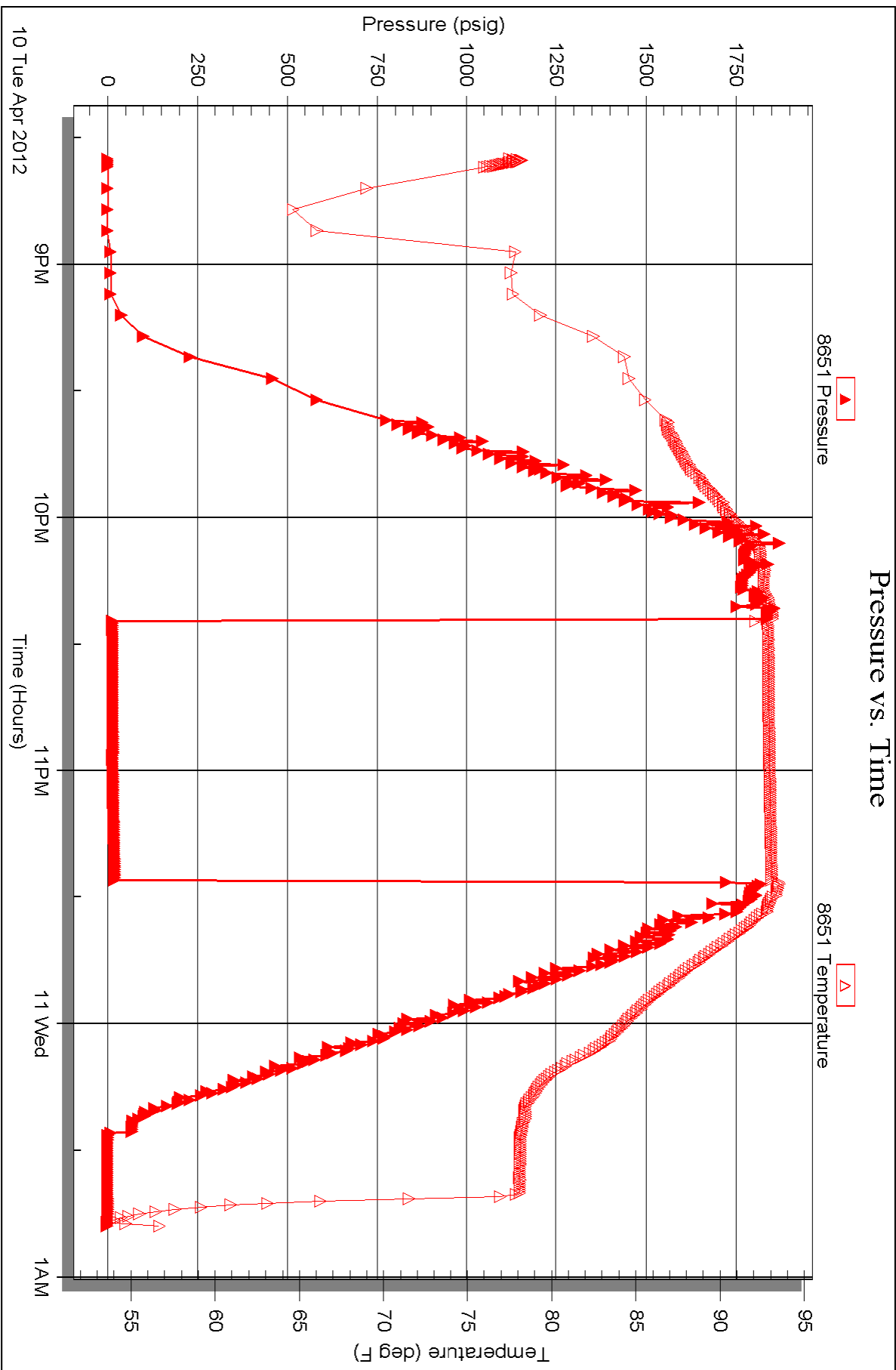
Serial #: 8651

Outside

Baird Oil Company, LLC

Esslinger Ranch 1-22

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 12 2012

Test Ticket

NO. 46052

Well Name & No. Eslinger Ranch, Enc #1-22 Test No. 1 Date 4-10-2012
 Company Barnd Oil Company, LLC. Elevation 2332 KB 2327 GL
 Address 113 W Main P.O. Box 428 Logan KS 67646
 Co. Rep / Geo. Richard Bell Rig WW#8
 Location: Sec. 22 Twp. 3S Rge. 22W Co. Norton State Ks

Interval Tested 3570 3587 Zone Tested LKC-0
 Anchor Length 17 Drill Pipe Run 3430 Mud Wt. 9.0
 Top Packer Depth 3565 Drill Collars Run 124 Vis 65
 Bottom Packer Depth 3570 Wt. Pipe Run -0- WL 6.4
 Total Depth 3587 Chlorides 1,000 ppm System LCM 1#

Blow Description IFI weak blow, Died in 5 mins.

ISI: No blow back over 30 mins

FFI: Pulled tool

FFI: No Final Shot in.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 1870 Gravity 1125 API RW 40 @ 120 °F Chlorides 1000 ppm

(A) Initial Hydrostatic 1870 Test 1125 T-On Location 00:25
 (B) First Initial Flow 9 Jars T-Started 4:20
 (C) First Final Flow 12 Safety Joint T-Open 6:18
 (D) Initial Shut-In 25 Circ Sub T-Pulled 7:15
 (E) Second Initial Flow Hourly Standby T-Out 8:49
 (F) Second Final Flow Mileage 4922 = 86 x 1.40 120 40 Comments Had to go back in, 28
 (G) Final Shut-In Sampler stands out Pulled right.
 (H) Final Hydrostatic 1771 Straddle ON LK. 12:35 AM started back to Bottom
at 11:00 AM started out at 9:00 AM
 Ruined Shale Packer at 4:30
 Ruined Packer
 Extra Copies
 Initial Open 30 Extra Packer
 Initial Shut-In 30 Extra Recorder
 Final Flow 0 Day Standby
 Final Shut-In 0 Accessibility
 Sub Total 1245.40 MP/DST Disc't

Approved By _____ Our Representative Chuck Hayes

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 12 2012

Test Ticket

NO. **46053**

Well Name & No. Esslinger Ranch, Inc. #1-22 Test No. 2 Date 4-11-2012
 Company Baird oil company, LLC Elevation 2332 KB 2327 GL
 Address 113 W. main P.O. Box 428 Logan KS. 67646
 Co. Rep / Geo. Richard Bell Rig WV-48
 Location: Sec. 22 Twp. 35 Rge. 22w Co. Norton State Ks.

Interval Tested 3658 3692 Zone Tested LKC-J
 Anchor Length 34 Drill Pipe Run 3624 Mud Wt. 9.0
 Top Packer Depth 3653 Drill Collars Run 124 Vis 65
 Bottom Packer Depth 3658 Wt. Pipe Run -0- WL 6.4
 Total Depth 3692 Chlorides 1,000 ppm System LCM 1#

Blow Description IF: Weak surface blow, Dead in 3 mins.
ISI: No blow Back over 30 mins.
FF: pulled test.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 93.3 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1894 Test 1125' T-On Location 18:30
 (B) First Initial Flow 12 Jars _____ T-Started 20:35
 (C) First Final Flow 13 Safety Joint _____ T-Open 2:25
 (D) Initial Shut-In 18 Circ Sub _____ T-Pulled 23:20
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 00:48
 (F) Second Final Flow _____ Mileage 20x2 = 40x1.40 560' X _____ Comments Loaded tools on 4/11/12
 (G) Final Shut-In _____ Sampler _____ at. 63RT 88.20
 (H) Final Hydrostatic 1817 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1269.20
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1269.20

Approved By _____ Our Representative Chuck Kuyper
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

APT # 15-137-20601-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Baird Oil Company, LLC.</u>	ELEVATION
LEASE <u>Esslinger Ranch, Tract #1-22</u>	KB <u>2332'</u>
FIELD <u>Wildcat</u>	DF <u>2330'</u>
LOCATION <u>2080' E5L + 2075' FWL</u>	GL <u>2327'</u>
SEC <u>22</u> TWSP <u>3S</u> RGE <u>22W</u>	Depths Measured From
COUNTY <u>Norton</u> STATE <u>Kansas</u>	Log <u>KB</u> Drilling <u>KB</u>
CONTRACTOR <u>WW Drilling Rig #8</u>	CASING
SPUD <u>4-6-12</u> COMP <u>4-11-12</u>	Surface <u>898' @ 212'</u>
SAMPLES SAVED FROM <u>3260'</u> TO <u>R.T.D.</u>	Production <u>none</u>
	ELECTRIC LOGS
	<u>Superior Well Services</u>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<u>to log</u>	●			
<u>Anhydrite</u>	<u>1987</u>	<u>1986</u>	<u>+ 346</u>	<u>+ 322</u>			
<u>Base Anhydrite</u>	<u>2014</u>	<u>2014</u>	<u>+ 318</u>	<u>+ 292</u>			
<u>Tapoka</u>	<u>3290</u>	<u>3290</u>	<u>- 958</u>	<u>- 992</u>			
<u>Heebner</u>	<u>3492</u>	<u>3493</u>	<u>- 1161</u>	<u>- 1192</u>			
<u>Toronto</u>	<u>3517</u>	<u>3518</u>	<u>- 1186</u>	<u>- 1216</u>			
<u>Lansing</u>	<u>3531</u>	<u>3531</u>	<u>- 1199</u>	<u>- 1233</u>			
<u>Base Kansas City</u>	<u>3722</u>	<u>3723</u>	<u>- 1391</u>	<u>- 1423</u>			
<u>Marmaton</u>	<u>3759</u>	<u>3760</u>	<u>- 1428</u>	<u>- 1451</u>			
<u>Arbuckle</u>	<u>3776</u>	<u>3776</u>	<u>- 1444</u>				
<u>Granite</u>	<u>3835</u>	<u>3837</u>	<u>- 1505</u>				
<u>Total Depth</u>	<u>3855</u>	<u>3856</u>	<u>- 1524</u>	<u>- 1498</u>			

REFERENCE WELLS

A	<u>Baird Oil Co., LLC, Esslinger Ranch, Tract #3-35, 445' E5L + 2585' FWL Sec. 35-35-22W</u>
B	
C	
D	

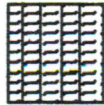
REMARKS

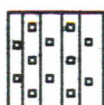
This well was 34 feet higher on the Lansing top than the reference well. All oil shows were drill stem tested with unfavorable results. It was decided this well should be plugged and abandoned.

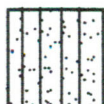
Richard B. Bell
9-12-12


7502


LEGEND

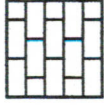
- 

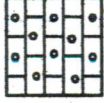
Anhydrite
- 

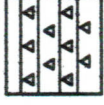
Salt
- 


Sandstone
- 

Shale
- 

Carb sh
- 

Limestone
- 

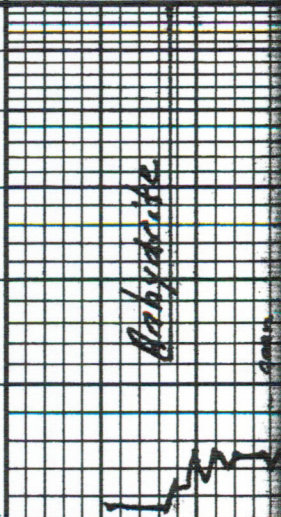
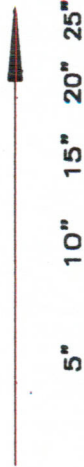
Ool. Lime
- 

Chert
- 

Dolomite

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



DEPTH

1980

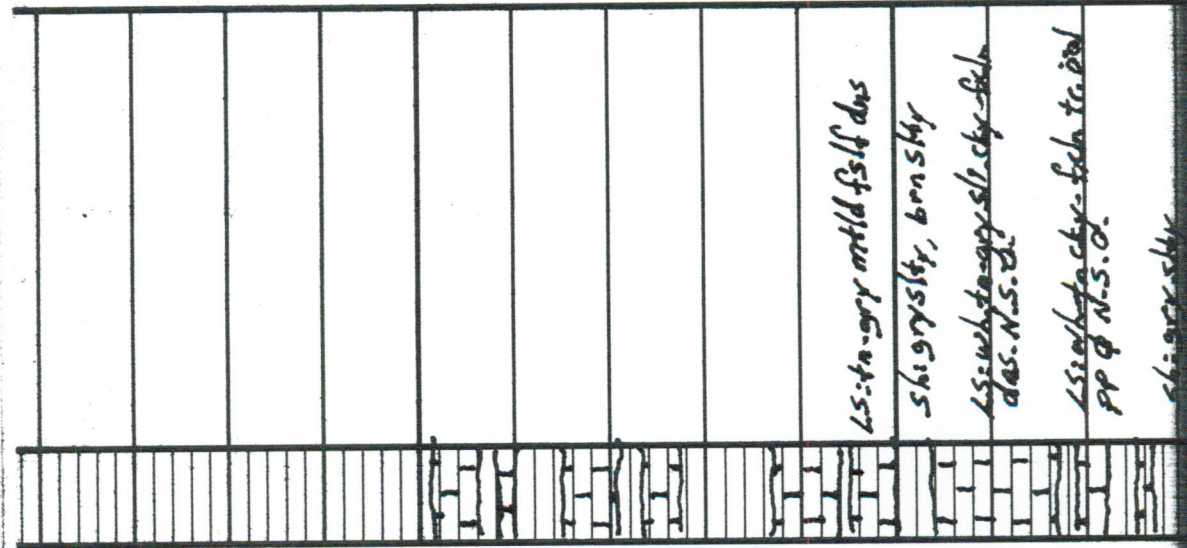
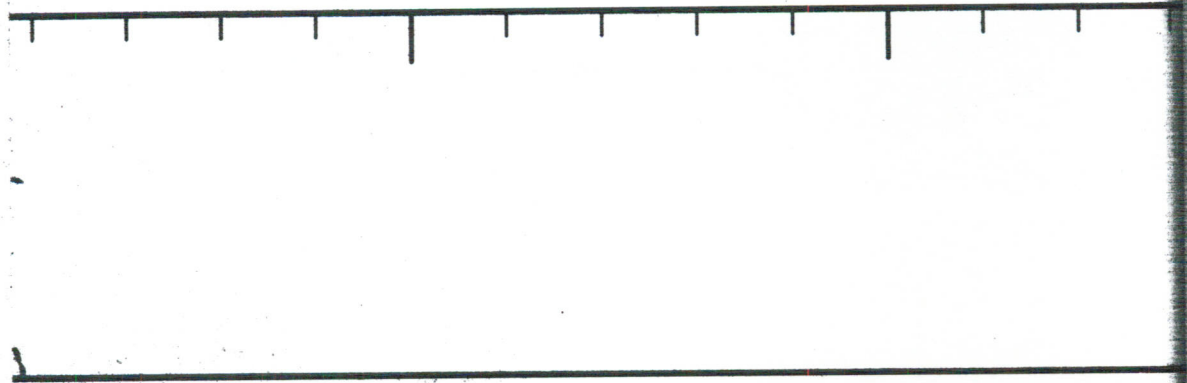
LITHOLOGY

SAMPLE DESCRIPTIONS

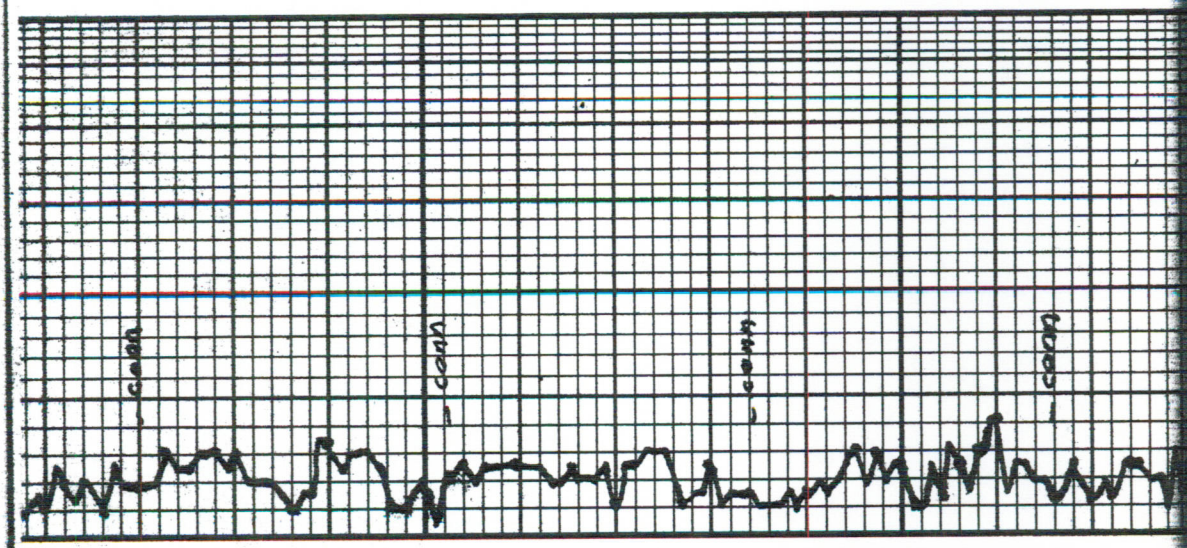
OIL SHOWS

REMARKS

LOG 7710



60
80
3200
20
40
60
80



LS: tan-gry mtd fslf dms

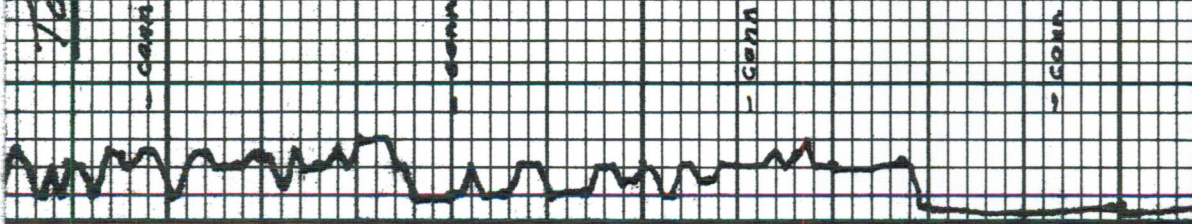
shigrystr, brn slty

LS: wh to gr sl. chr. sch
das. N.S. D.

LS: wh to chr. sch tr. bed
PP & N.S. D.

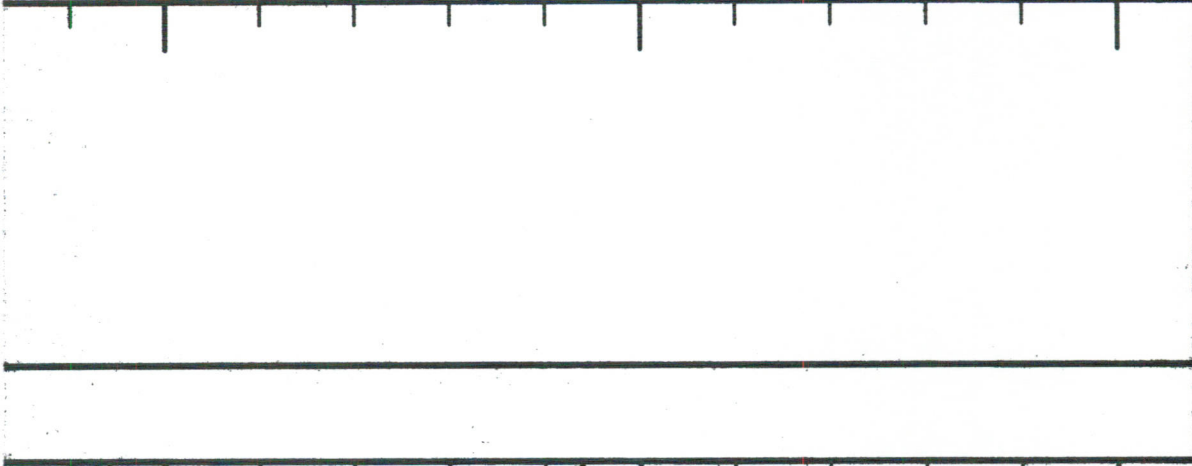
shigrystr

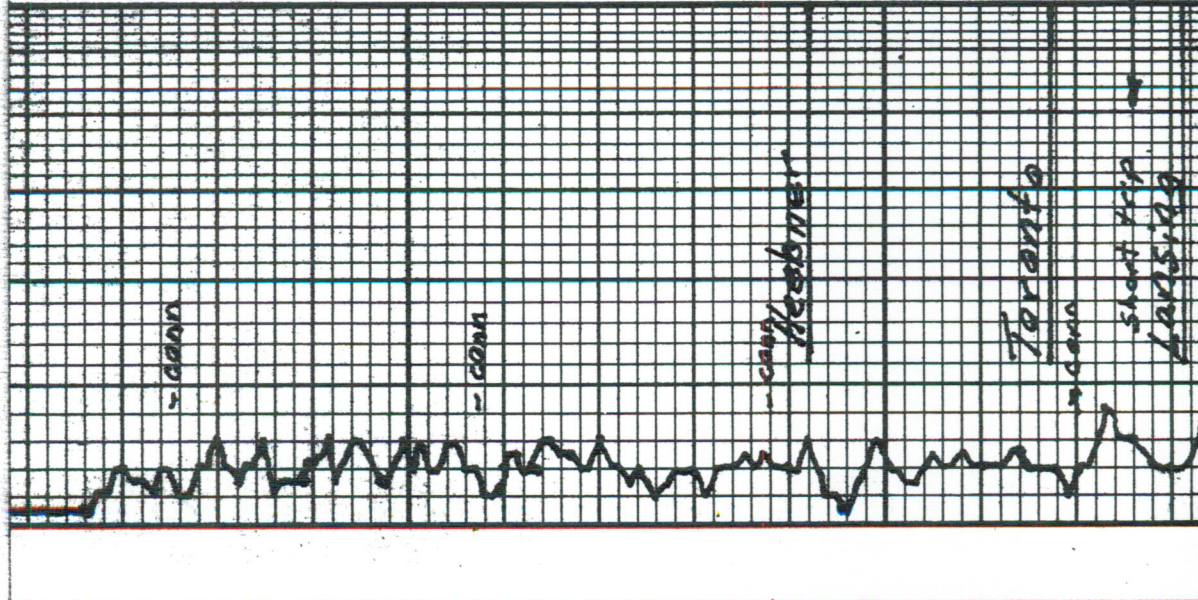
Terephthal



3300
20
40
60
80
3400

Shibern slty	LS: wh- to- yel chy- fahn vs: Bst pr. PP @ N.S.O.
	LS: wh- to- chy- fahn vs: Bst ool pr. PP @ N.S.O.
	LS: a a
	Sh: brn, gry
	LS: wh- to- chy- fahn vs: Bst pr. PP @ N.S.O.
	LS: wh- to- gry chy- fahn ool in part @ N.S.O.
	LS: to- gry fahn das
	Sh: Stone: to, gry, brn





20	LS: wh-to cty-faln ool impact @ N.S.O.
40	Sh: brn, gry LS: wh-to cty-faln ool PP @ N.S.O.
60	LS: wh-to cty-faln ool N.S.O. sh: gry, brn
80	LS: wh-to cty-faln-sli-fs/f Pr-PP @ N.S.O.
3500	Sh: Blk Carb. LS: to sli-fs/f das Sh: brn silty, gry
20	LS: wh-to cty-faln ool N.S.O. FA vel-or Sh: brn

Strap 3584.72

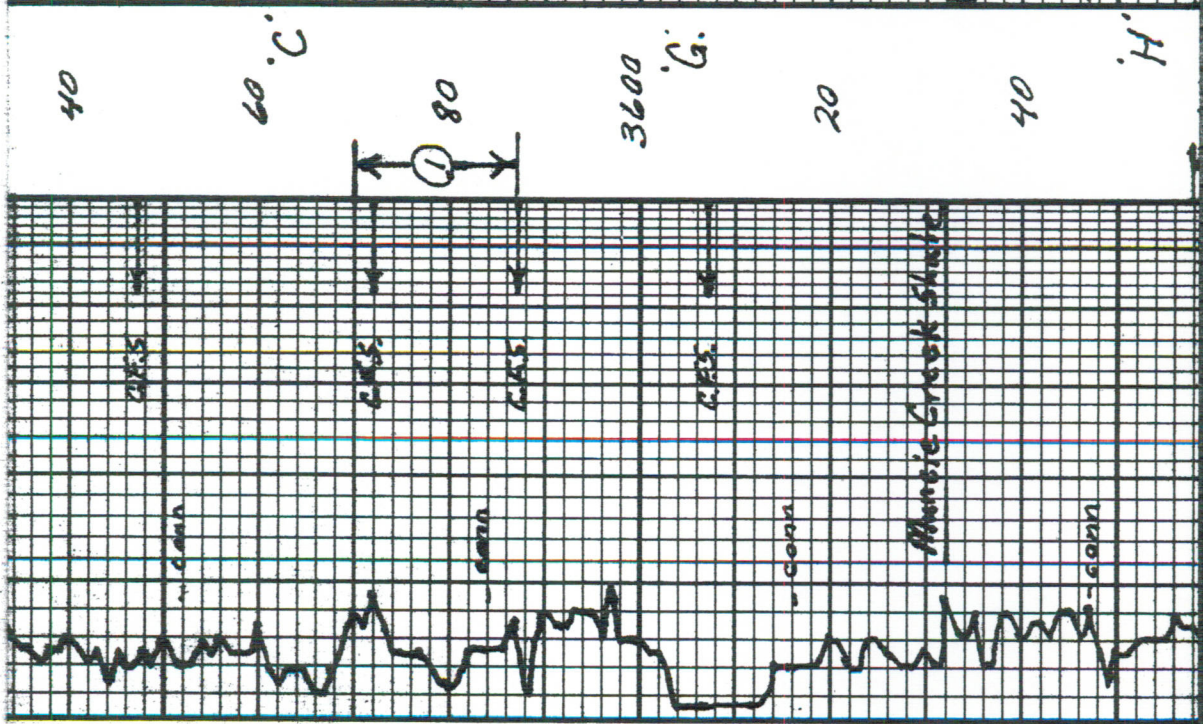
Board 3584.17
 Diff. .53
 Incline @ 3587. 3/4°

Trilobite Testing

DST #1 3570-3587
 30-30-0-0
 IF: wt blow died in 5 min
 Recovery: 5' Mud
 Hyd: 1870-1771#
 F.P.: 9-12#
 BHP: 25#
 BH Temp: 91°F.

DST #2 3668-3672
 30-30-0-0
 IF: wt blow died in 3 min.

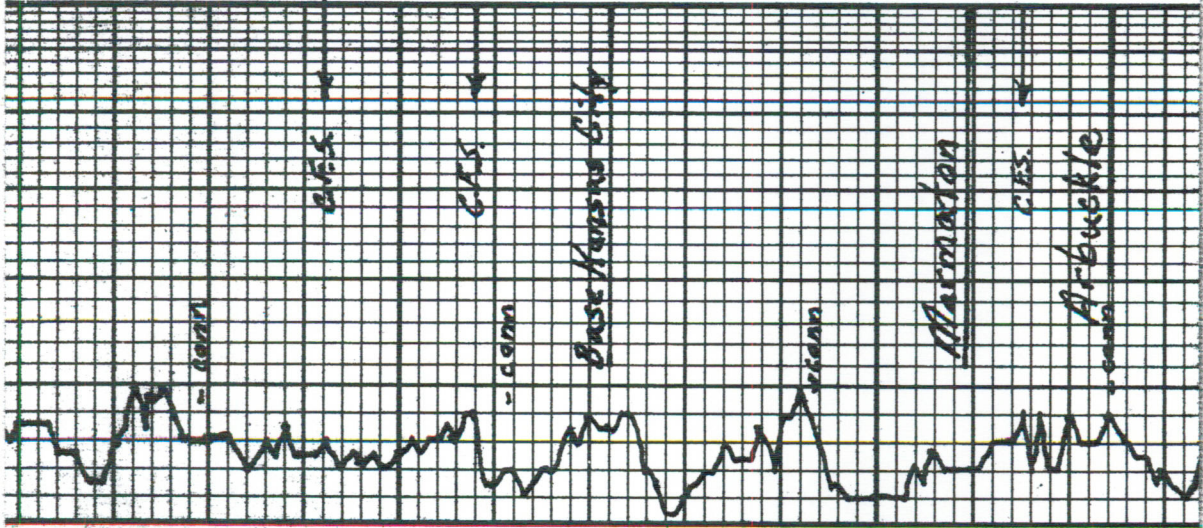
ls: wh to cky - fine to med ool ppφ N.S. 0 No cut A Δ wt	sh: ly: brn, gry	ls: wh to cky - fine to med N.S. 0. No cut A Δ wt - tr-or	sh: brn stky	ls: wh to cky - fine to med F.V. 1/2 φ R. in bow S.O. - 1/4" thick bleeding F.O. No odor Tr. a sph sp. 5. A. gry	sh: brn	ls: to oolc. oolc φ No show No cut	ls: to - gry fine dns	ls: to - lt. gry fine dns. A f. ↑ sh: blk carb.	sh: brn, lt. gry stky	ls: wh to cky - fine to med in part φ N.S. 0. mostly dns.
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Munroe Creek Shale

Recovery: 5' Mud
 MID: 1894-1817#
 FP: 12-13#
 BMP: 18#
 BNTemp: 93°F

sh:brn	LS: sh-yel fslf dns	sh:brn, gry	LS: wh-to fsln ool ppø Tr. vgy ø. Reibow. S.O. of f.a. It. Ø sat No other	sh:brn	LS: wh-tocky-fsln R.T. pr. ppø N.S.O.	sh:brn, slty.	LS: wh-tocky-fsln pr. ppø N.S.O.	sh:brn, lav.	LS: sh-fslf dns	sh:brn slty	LS: whit-lav-brn fsln dns N.S.O.	Dol: sh fsln-mxn inxlng- vgy ø N.S.O. No cut a/lanc. saks
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SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
4/6/2012	21428

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	1-22 #2-26	Enslinger Ra...	Norton	WW Drilling #8	Oil	Development	Surface Pipe	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	90	Miles	6.00	540.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.) - 212 Feet	1	Job	1,000.00	1,000.00
290	D-Air	2	Gallon(s)	35.00	70.00T
325	Standard Cement	150	Sacks	13.50	2,025.00T
278	Calcium Chloride	4	Sack(s)	40.00	160.00T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
581D	Service Charge Cement	150	Sacks	2.00	300.00
583D	Drayage	662	Ton Miles	1.00	662.00
	Subtotal				4,832.00
	Sales Tax Norton County			7.05%	164.27
	<p>R4/11/2012</p> <p>P4/11/2012</p> <p>Eslinger 190402 49 96.27</p> <p>Eslinger Ranch Inc 1-22 - Pump Charge, cement + other misc. used to cement surface casing</p>				

We Appreciate Your Business!

Total

\$4,996.27



Services, Inc.

CHARGE TO: Boyd Oil Co
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET No. **21428**

PAGE 1 OF 1

1. <u>Hays, Ks.</u>	WELL/PROJECT NO. <u>H2-26</u>	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
2. <u>Ness City, Ks.</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
	WELL TYPE	WELL CATEGORY	JOB PURPOSE	ET	<u>Location</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS		WELL PERMIT NO.		WELL LOCATION		

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.		
575		1			MILEAGE # 113	90	M		6.00	540.00
5765		1			Pump Charge (shallow surface)	1	ea	212'	1000.00	1000.00
290		1			D-Air	2	gal		35.00	70.00
325		2			Standard Cement	150	sks		15.50	2025.00
278		2			Calcium Chloride	4	sks		40.50	162.00
279		2			Bentonite Gel	3	sks		25.00	75.00
581		2			Cement Service Charge	150	sks		2.00	300.00
585		2			Drayage	662	TM		1.00	662.00

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: 4-7-12 TIME SIGNED: 0015

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	4832
Norton TAX 7.05%	164.2
TOTAL	4996.2

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

SWIFT OPERATOR: Neil P. Pate APPROVAL:

Thank You

QUALITY WELL SERVICE INC

Invoice

324 SIMPSON
PRATT KS 67124

Date	Invoice #
4/18/2012	458

Bill To
BAIRD OIL CO. 113 W. MAIN P.O. BOX 428 LOGAN, KS 67646

P.O. No.	Terms	Project

Quantity	Description	Rate	Amount
140	COMMON	13.50	1,890.00T
90	POZ	8.50	765.00T
8	GEL	20.50	164.00T
1	WOODEN PLUG	85.00	85.00T
1	DRY HOLE PLUG	45.00	45.00T
238	HANDLING	2.10	499.80T
12,000	.08 * SACKS * MILES	0.08	960.00T
1	PLUG	950.00	950.00T
80	PUMP TRUCK MILEAGE	8.00	640.00T
779.84	DISCOUNT	-1.00	-779.84T
	ESSLINGER RANCH #2-26 Sales Tax NORTON 1-22 Esslinger 190402 \$5586.90 Esslinger Ranch Inc 1-22 - pump charge, cement, + other misc used to plug well	7.05%	367.94
Thank you for your business.		Total	\$5,586.90

QUALITY WELL SERVICE, INC.

5523

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	4-12-12	Sec.	32	Twp.	3	Range	22	County	Norton	State	KS	On Location		Finish	4:15am	
Lease	FSSLinger Ranch		Well No.	7-261-22		Location Norton, KS 35 5 1/2 E N. 10										
Contractor	ww Drilling							Owner To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Rotary Plug							T.D. 3776								
Hole Size	7 7/8							Charge To Baird Oil Company								
Csg.								Depth								
Tbg. Size								Depth								
Tool								Street								
Cement Left in Csg.								City								
Meas Line								State								
							Shoe Joint							The above was done to satisfaction and supervision of owner agent or contractor.		
							Displace							Cement Amount Ordered 230sx 60/40 4% Gel 1/4" #110		
EQUIPMENT																
Pumptrk	No.	6			Darsen		Common 140									
Bulktrk	No.	7			Sean		Poz. Mix 90									
Bulktrk	No.				Heath		Gel. 8									
Pickup	No.						Calcium									
JOB SERVICES & REMARKS																
Rat Hole							Hulls									
Mouse Hole							Salt									
Centralizers							Flowseal									
Baskets							Kol-Seal									
D/V or Port Collar							Mud CLR 48									
1st Plug @ 3756 - 25 SX							CFL-117 or CD110 CAF 38									
2nd @ 1996 - 25 SX							Sand									
3rd @ 1200 - 100 SX							Handling 238									
4th @ 260 - 40 SX							Mileage 80									
5th @ 40 - 10 SX							FLOAT EQUIPMENT									
RH 30SX							Guide Shoe									
							Centralizer									
							Baskets									
							AFU Inserts									
							Float Shoe									
							Latch Down									
							8 5/8 wood plug									
							Pumptrk Charge Rotary Plug									
							Mileage 80									
Thank You!!																
												Tax				
												Discount				
												Total Charge				
X Signature																