



KANSAS CORPORATION COMMISSION 1052798  
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 # \_\_\_\_\_

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: \_\_\_\_\_



1052798

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  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%; border-bottom: 1px solid black;">Name</td> <td style="width:15%; border-bottom: 1px solid black;">Top</td> <td style="width:15%; border-bottom: 1px solid black;">Datum</td> </tr> </table>	Name	Top	Datum
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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Graham 1-36
Doc ID	1052798

Tops

Name	Top	Datum
Anhydrite	1976	+316
Base Anhydrite	2005	+287
Topeka	3288	-996
Heebner	3486	-1194
Toronto	3519	-1227
Lansing	3533	-1241
Base Kansas City	3715	-1423
Marmaton	3744	-1452
Precambrian	3766	-1474
Total Depth	3792	-1500

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/>

Thomas E. Wright, Chairman  
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

March 24, 2011

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

Re: ACO1  
API 15-137-20548-00-00  
Graham 1-36  
SW/4 Sec.36-03S-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

API# 15-137-20548-00-00

GEOLOGICAL REPORT  
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Baird Oil Company, LLC.</u>	ELEVATION
LEASE <u>Graham # 1-36</u>	KB <u>2292'</u>
FIELD <u>Red Fox</u>	DF <u>2290'</u>
LOCATION <u>605'ESL + 1590'FWL</u>	GL <u>2287'</u>
SEC <u>36</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>3-7-11</u> COMP <u>3-15-11</u>	Surface <u>8 3/4" @ 223'</u>
SAMPLES SAVED FROM <u>3250'</u> TO <u>B.T.D.</u>	Production <u>none</u>
	ELECTRIC LOGS
	<u>Superior Well Service</u>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
Anhydrite	1977	1976 +	316	+ 316	+ 323		
Base Anhydrite	2006	2005 +	287	+ 287	+ 298		
Topeka	3286	3288 -	996	- 997	- 989		
Heebner	3485	3486 -	1194	- 1195	- 1187		
Toronto	3519	3519 -	1227	- 1221	- 1213		
Lansing	3532	3533 -	1241	- 1237	- 1229		
Base Kansas City	3714	3715 -	1423	- 1422	- 1413		
Marmaton	3743	3744 -	1452	- 1449			
Precambrian	3765	3766 -	1474	- 1463	- 1441		
Total Depth	3792	3792 -	1500	- 1494	- 1478		

REFERENCE WELLS

- A Baird Oil Co, LLC, Esslinger Ranch # 2 35, 2310'ESL + 965'FWL sec 35-3s-22w
- B Baird Oil Co, LLC, Esslinger-Graham Unit # 1-36, 2600'ESL + 430'FWL sec 36-3s-22w
- C
- D

REMARKS

This well ran 4 to 12 feet lower on the Lansing top than the reference wells. Based on negative drill stem tests and open hole log data the well was plugged and abandoned.

Richard B. Bell  
3-15-11

7502

LEGEND

- Anhydrite  

- Salt  

- Sandstone  

- Shale  

- Carb sh  

- Limestone  

- Ool. Lime  

- Chert  



- Dolomite  

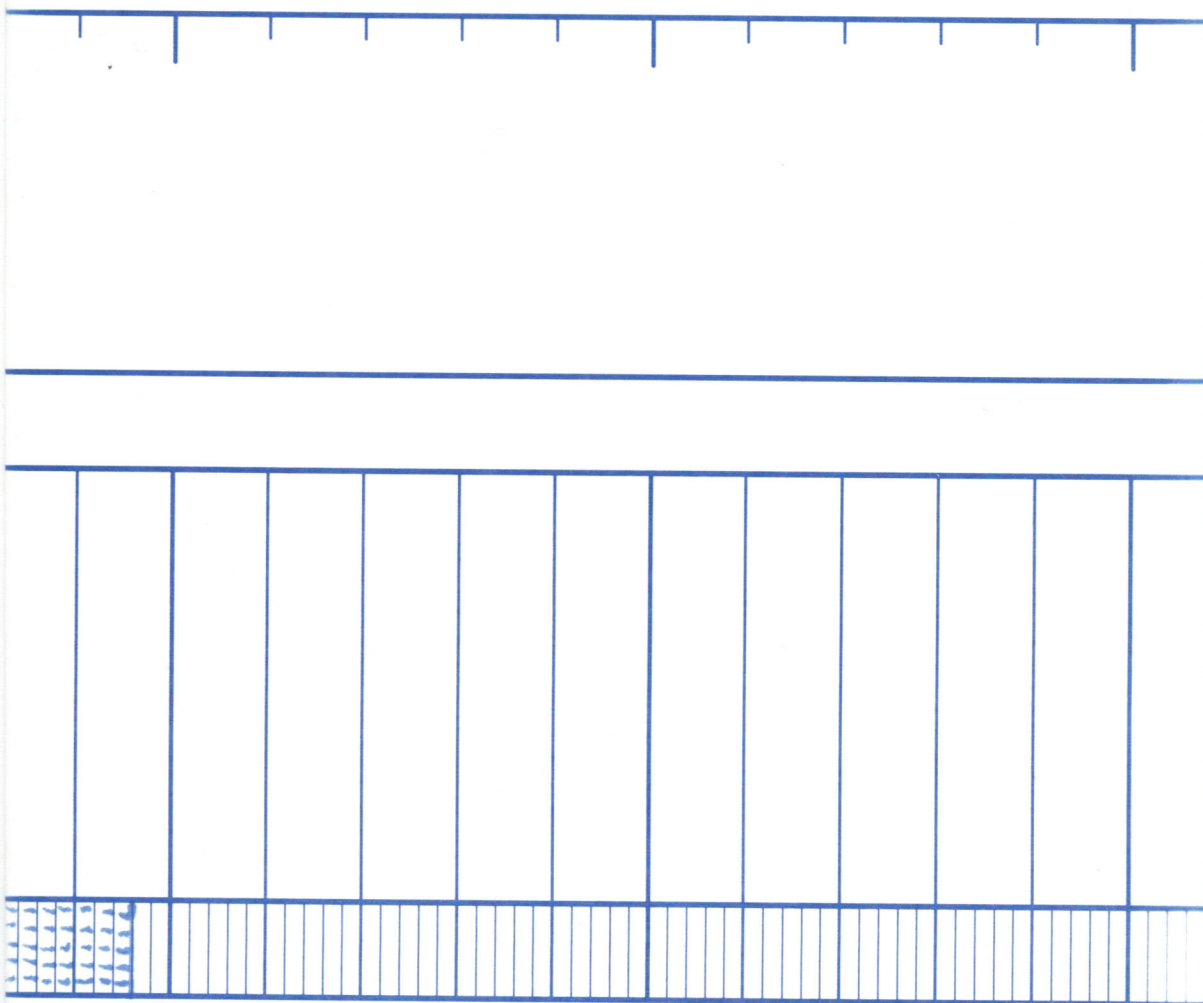

DRILLING TIME IN MINUTES  
PER FOOT

Rate of Penetration Decreases



LOG 7710

DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	REMARKS
1960			
80			
			OIL SHOWS

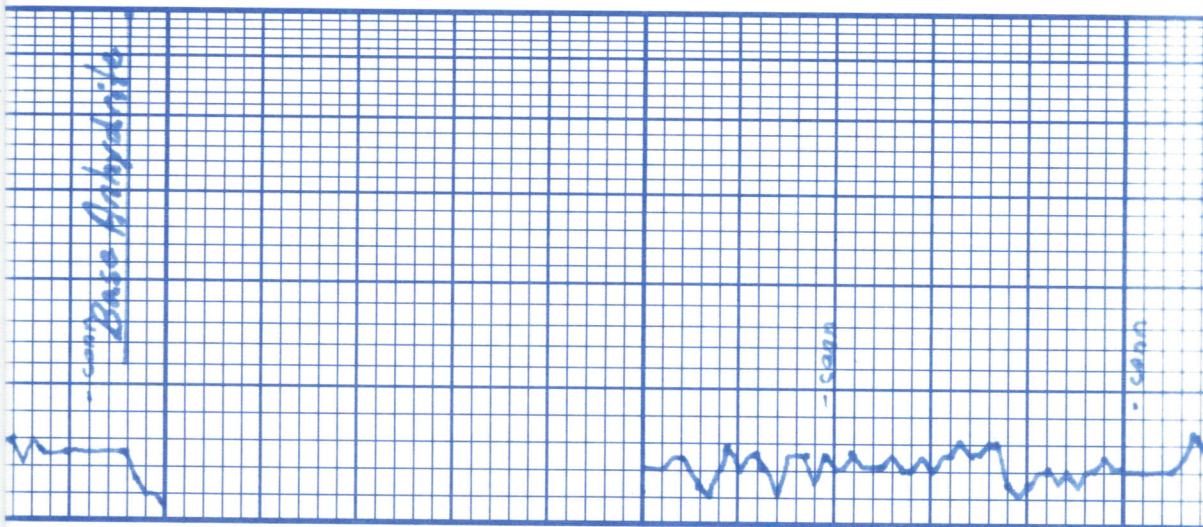


2000

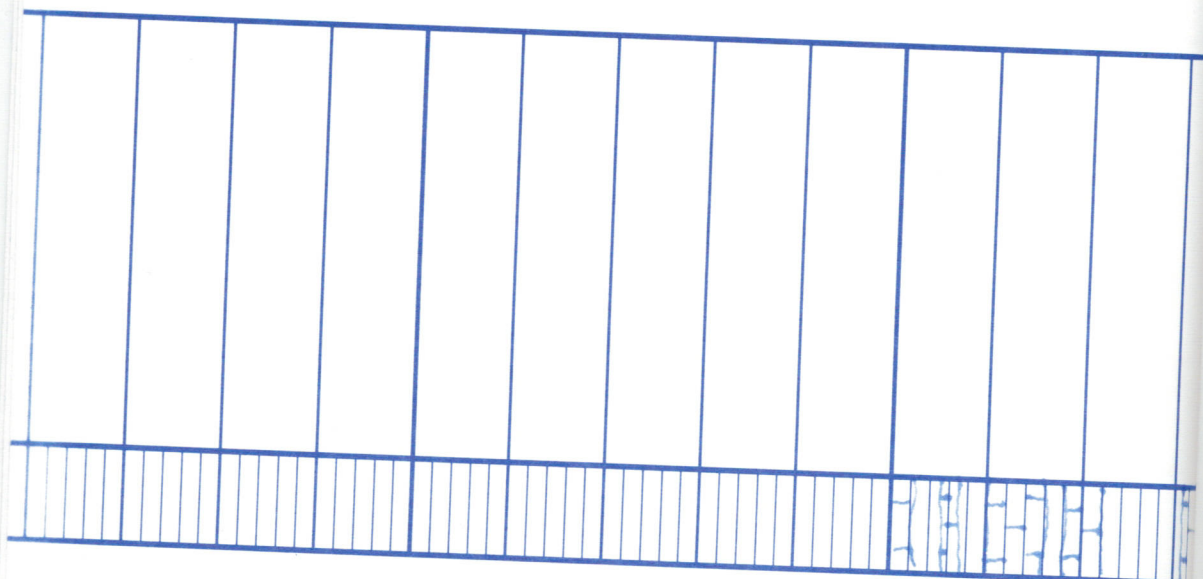
10

3050

3100



Samples are lagged  
good samples



20

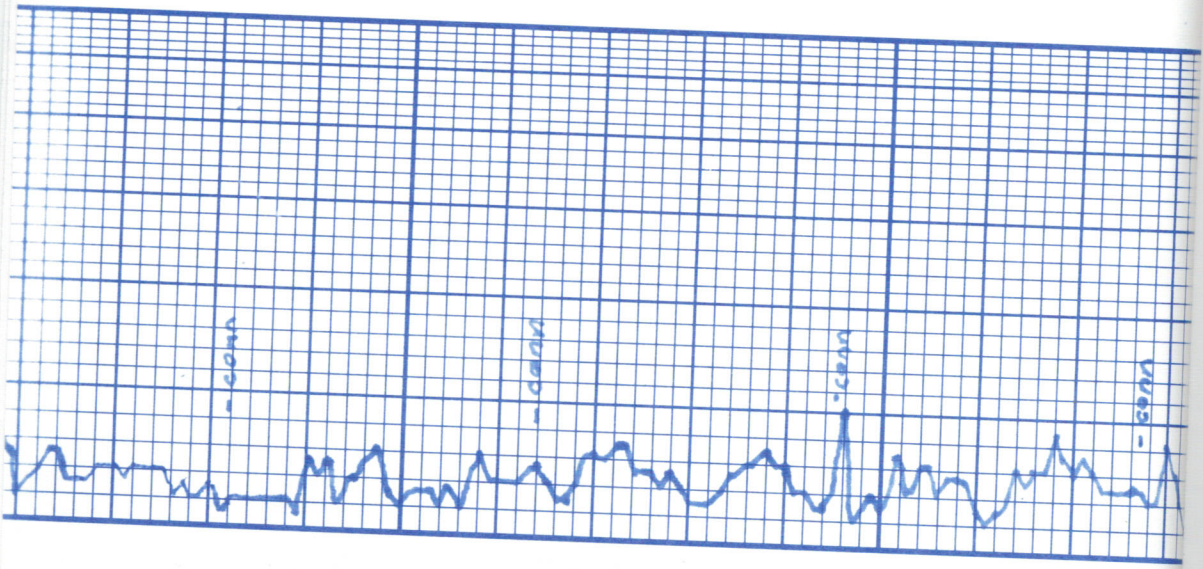
40

60

80

3200

20



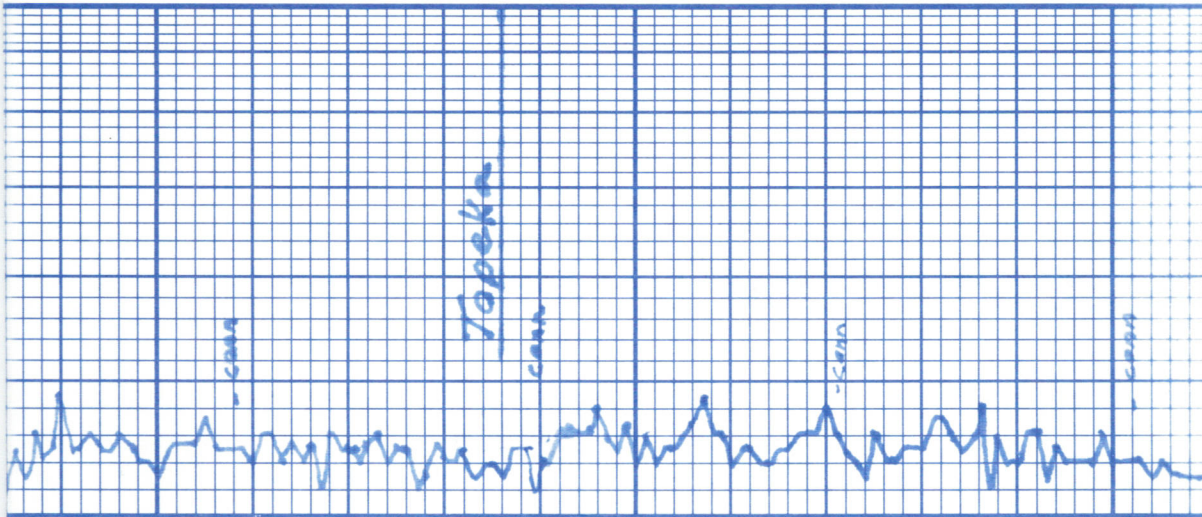
-clean

-clean

-clean

-clean





40

60

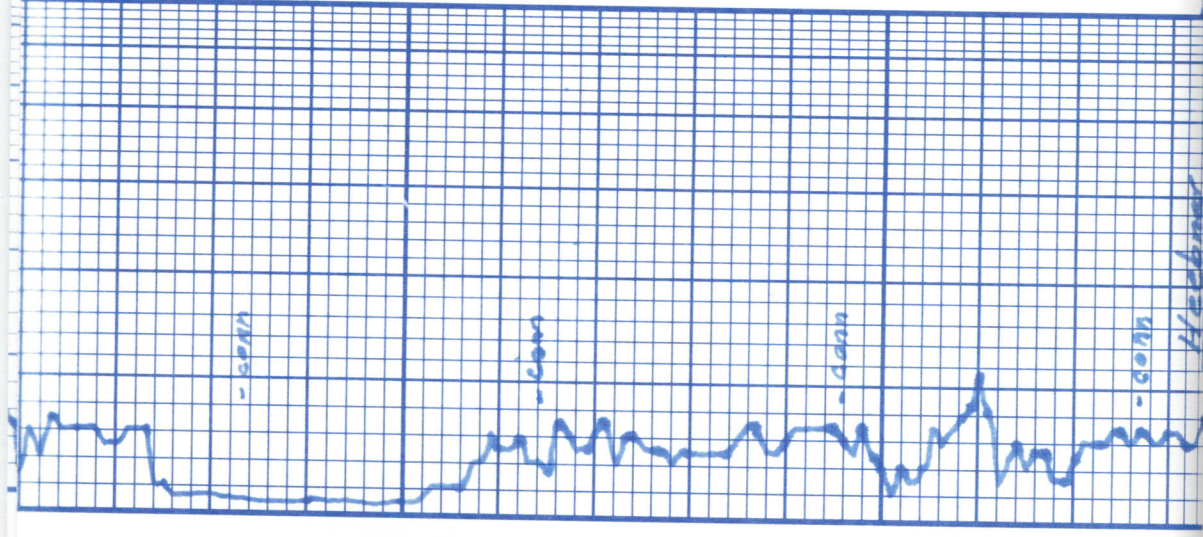
80

3300

20

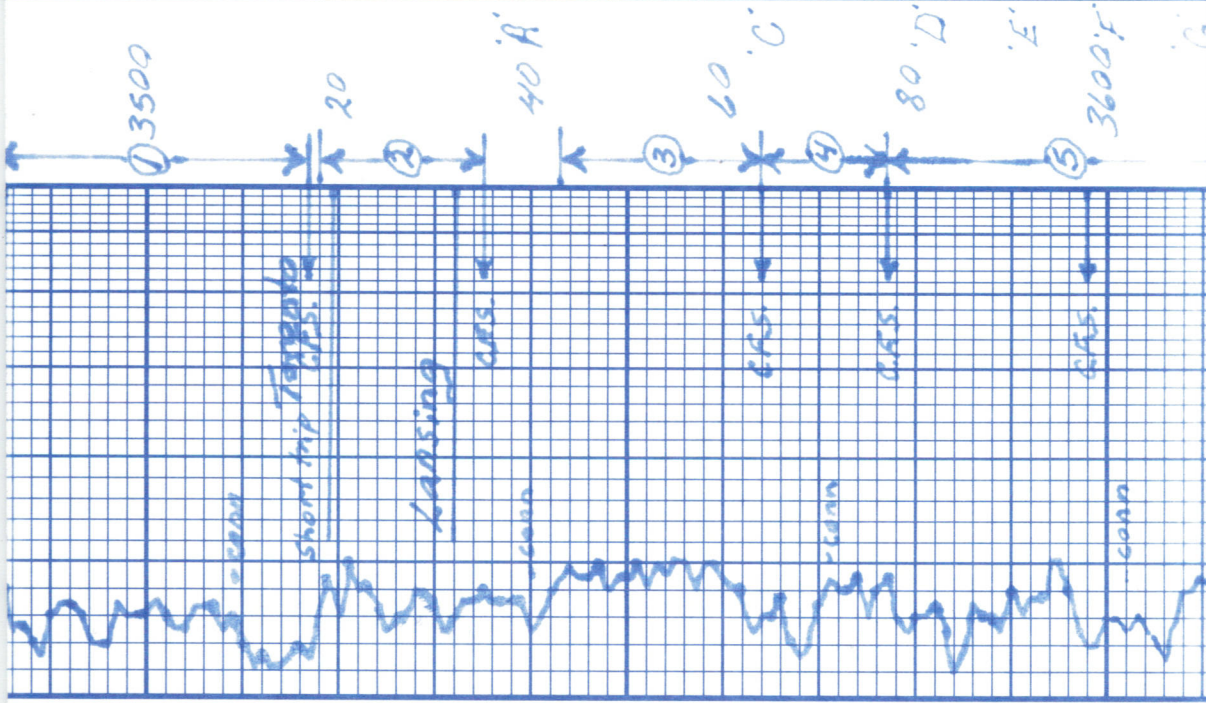
40

LS:tn fah dns N.S.O. shibrn	LS:tn-gry mtld fsh dns. LS:wh-tn-gry slicky-fah PP N.S.O. fsh dns N.S.O.	LS:gy mtld fsh slicky dns N.S.O.	shibrn,gy	LS:wh-tn-ckx-fah ool w/ssi-fass ool. PP N.S.O.	LS:wh-tn-yel slicky-fah dns N.S.O.	LS:wh-tn-fahfnyool PP N.S.O. J D th	shibrn,gy trs/stone,gy	LS:wh-tn-gry fah trpp mostly dns N.S.O.	LS:wh-tn-fah shi ool PP N.S.O. DTY whtrn.or
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80	lt. wh. to lt. gry sli. cky. shls N.S.O.
3400	sh. brn sily siltstone: brn
20	sh. brn sily. siltstone: brn
40	lt. wh. to sh. cky. shls sub ool sh. pass. incls. per pp N.S.O.
60	sh. brn, gry
80	lt. silt. to lt. gry fxl/dns N.S.O.
	sh. tr. blk carb, brn
	lt. wh. to lt. gry fxl/dns N.S.O.
	sh. brn
	lt. wh. to sh. cky. shls ool pp N.S.O.
	siltstone, gry, brn sh. gry, brn
	lt. wh. to sh. cky. shls ool tr. N.S.O.
	lt. wh. to lt. gry sli. cky. shls N.S.O.

Strap 3542.02  
 Board 3540.30  
 Diff. 1.72  
 Trilobite Testing  
 DST #1 3484-3517  
 30-30-0-0  
 Trilobite steady, sur. low



sh. brn Carb ls. to lt. brn f. sh. w/ fass. incl. oil.	sh. brn silt. & clay siltstone brn	sh. brn silt. & clay siltstone: brn	ls. wh. to f. sh. oil pr. PP & NSO Δ w/ sh. oil	sh. gray, brn	ls. wh. to gray sh. oil f. APP fr. odor	ls. wh. to f. sh. oil NSO	sh. gray, brn	ls. wh. to f. sh. oil w/ fass. incl. PP & Fr. O. Stn PP F.O. fr. odor	ls. wh. to f. sh. oil w/ fass. incl. PP & Fr. O. Stn PP F.O. fr. odor	ls. wh. to slightly f. sh. oil w/ fass. fr. odor	ls. wh. to f. sh. oil oil calc. Δ fr. thin brn 5th ls. a. a.
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Recovery: 10' mud  
 Hyd: 1792-1707#  
 FP: 13-18#  
 BHP: 833#  
 BH Temp: 95°F.

DST #2 3518'-3535'  
 30-30-0-0  
 IF: wk blow died in 1 min.  
 Recovery: 1' mud  
 Oil Spots in tool  
 Hyd: 1779-1724#  
 FP: 11-11#  
 BHP: 37#  
 BH Temp: 91°F.

DST #3 3543'-3564'  
 30-30-0-0  
 IF: wk blow died in 8 min.  
 Recovery: 5' Mud  
 sl. Oil Show  
 Hyd: 1810-1753#  
 FP: 11-15#  
 BHP: 1186#

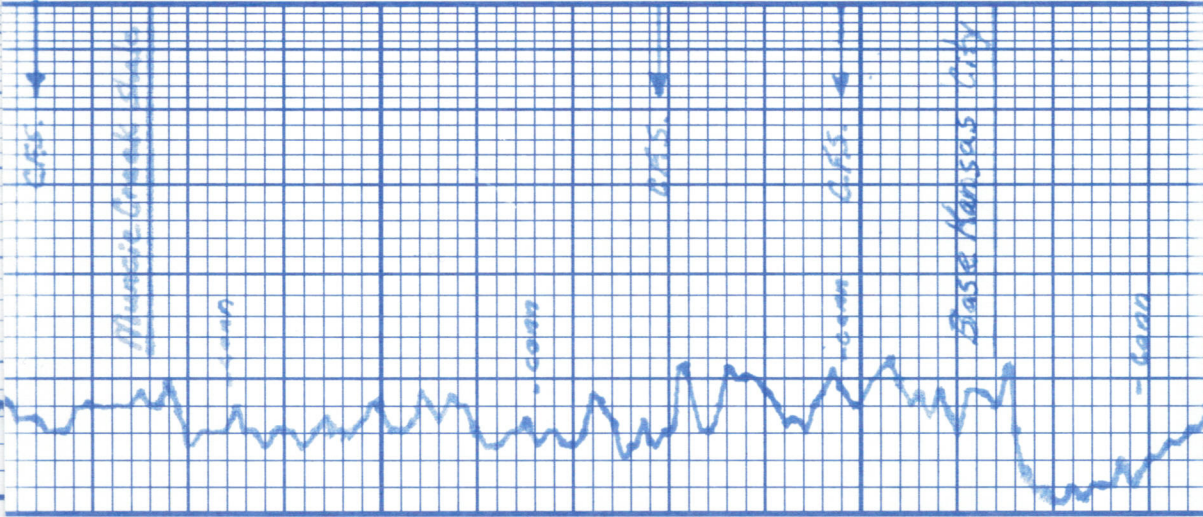
DST #4 3564'-3577'  
 30-30-0-0  
 WK. blow died in 20 min.  
 Recovery: 5' Mud  
 Hyd: 1775-1758#  
 FP: 10-18#  
 BHP: 1029#  
 BH Temp: 90°F.

DST #5 3577-3614  
 45-45-45-45  
 FF: wk blow inert to 6"  
 FF: wk blow inert to 3"  
 Recovery: 190 Total  
 5' C.O.  
 185' MW  
 NYd: 1807-1756#  
 FP: 13-78 / 82-117#  
 BHP: 1221-1174#  
 BHTemp: 99°F.

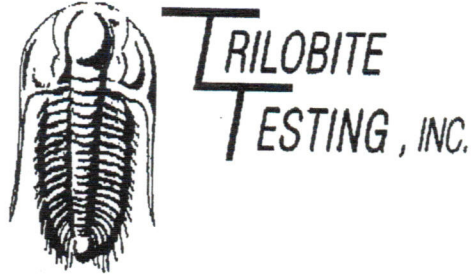
SW-GRY  
 LS: tn-gry fxlndns  
 Δ wh-lt-gry sh:brn, gry  
 sh: blk Carb  
 LS: tn-gry fxlndns  
 sh: brn, brns/lt, gry, grn  
 LS: wh-tr cky-fxlndns, pmsite  
 Tr: oil pp & Lt. Spid Q. Stn  
 PP: F.O. on crushing Noodor  
 Δ tn-gry  
 sh: brn, gry  
 LS: tn-gry fxlndns N.S.O.  
 sh: brn, gry  
 LS: wh-tr cky-fxlndns - slt. fsh  
 Tr: oil tr brn Spid Q. Stn  
 Tr: pp F.O. Noodor  
 cky-sly Lm dns w/blk  
 ASPH. SPKS  
 LS: wh-tr cky-fxlndns Tr: sil:ool  
 Tr: pp & R.T. brns ptd Q. Stn  
 Tr: ASPH. SPKS N.F.O.  
 Sh: brn, mar, gry  
 LS: wh-tr-ye fxlndns - slt fsh  
 N.S.O.  
 Sh: brn, Tr sltstone: brn  
 Sh: brn, sltstone: brn



20  
 40  
 'H'  
 60  
 'I'  
 80  
 'J'  
 3700  
 'K'  
 'L'  
 20







## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co LLC**

Box 428  
Logan KS 67646

ATTN: Jim Baird

**36-3s-22w Norton,KS**

**Graham # 1-36**

Start Date: 2011.03.12 @ 02:24:19

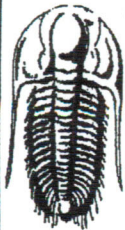
End Date: 2011.03.12 @ 06:59:19

Job Ticket #: 041695      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton, KS**

Job Ticket: 041695      **DST#: 1**

ATTN: Jim Baird

Test Start: 2011.03.12 @ 02:24:19

## GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 04:30:19

Time Test Ended: 06:59:19

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3484.00 ft (KB) To 3517.00 ft (KB) (TVD)**

Total Depth: 3517.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2292.00 ft (KB)

2287.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8354**      Inside

Press@RunDepth: 18.61 psig @ 3485.00 ft (KB)

Start Date: 2011.03.12

End Date:

2011.03.12

Capacity: 8000.00 psig

Last Calib.: 2011.03.12

Start Time: 02:34:19

End Time:

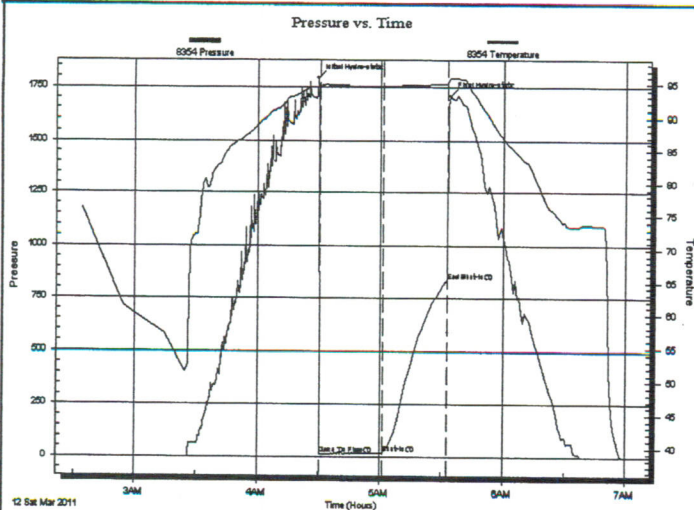
06:59:19

Time On Btrr: 2011.03.12 @ 04:29:29

Time Off Btrr: 2011.03.12 @ 05:33:49

TEST COMMENT: IF-Weak steady surface blow

Times[30-30]



## PRESSURE SUMMARY

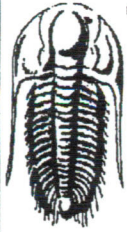
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.26	94.65	Initial Hydro-static
1	13.40	93.73	Open To Flow (1)
32	18.61	94.72	Shut-In(1)
63	833.31	95.01	End Shut-In(1)
65	1707.62	95.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig Mud	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

Job Ticket: 041695      **DST#: 1**

ATTN: Jim Baird

Test Start: 2011.03.12 @ 02:24:19

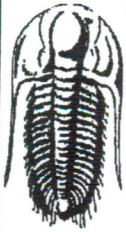
**Tool Information**

Drill Pipe:	Length: 3356.00 ft	Diameter: 3.80 inches	Volume: 47.08 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3484.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3465.00	
Shut In Tool	5.00			3470.00	
Hydraulic tool	5.00			3475.00	
Packer	5.00			3480.00	20.00      Bottom Of Top Packer
Packer	4.00			3484.00	
Stubb	1.00			3485.00	
Recorder	0.00	8354	Inside	3485.00	
Recorder	0.00	8520	Outside	3485.00	
Perforations	29.00			3514.00	
Bullnose	3.00			3517.00	33.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>53.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton, KS**

Job Ticket: 041695      DST#: 1

ATTN: Jim Baird

Test Start: 2011.03.12 @ 02:24:19

## 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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig Mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

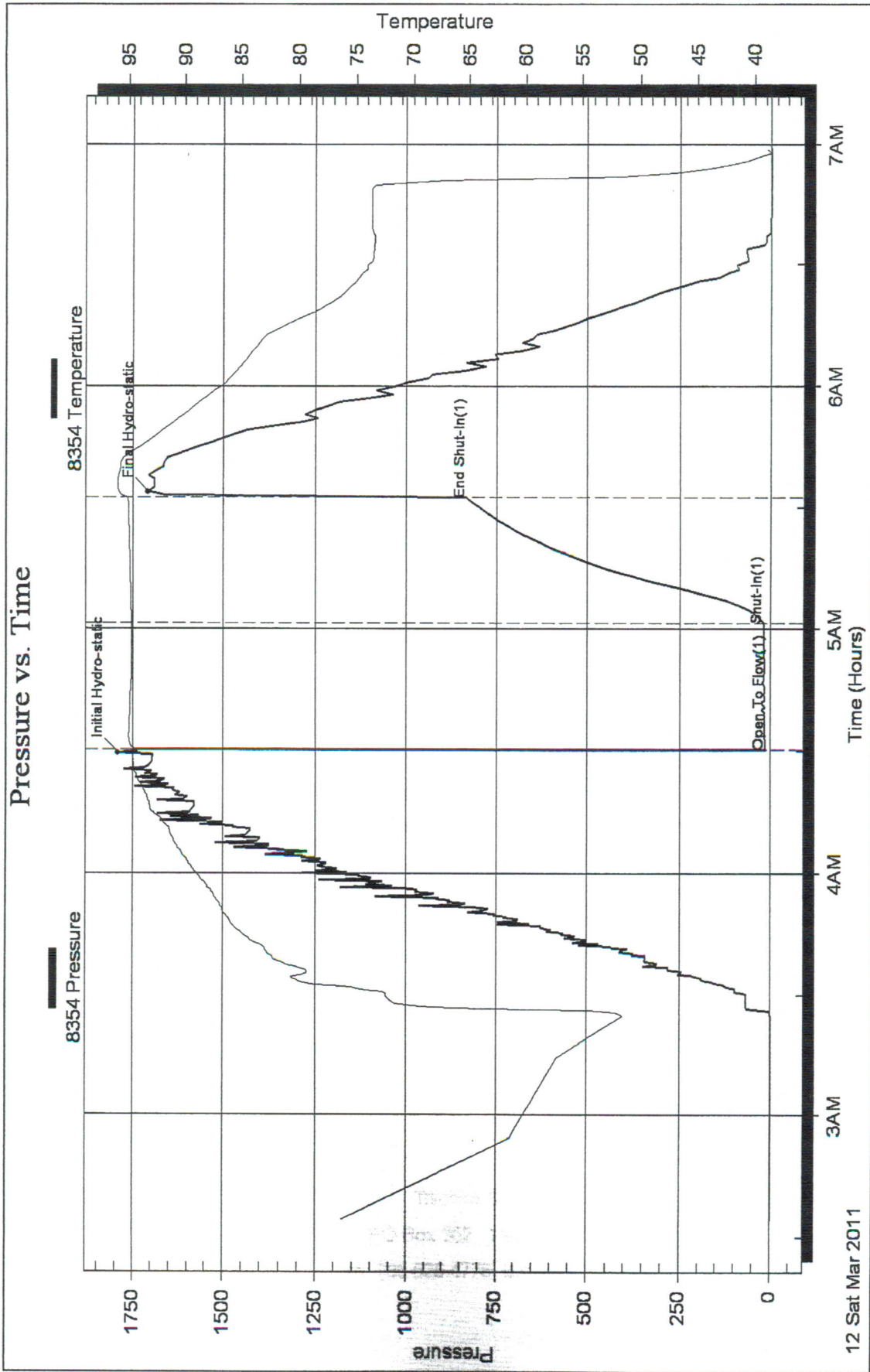
Inside

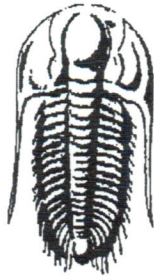
Baird Oil Co LLC

36-3s-22w Norton, KS

DST Test Number: 1

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co LLC**

Box 428  
Logan KS 67646

ATTN: Jim Baird

**36-3s-22w Norton,KS**

**Graham # 1-36**

Start Date: 2011.03.12 @ 12:54:20

End Date: 2011.03.12 @ 16:40:20

Job Ticket #: 041696      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Baird Oil Co LLC

Graham # 1-36

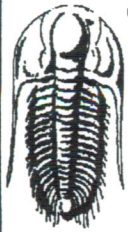
36-3s-22w Norton,KS

DST # 2

A

LKC

2011.03.12



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton, KS**

ATTN: Jim Baird

Job Ticket: 041696 **DST#: 2**

Test Start: 2011.03.12 @ 12:54:20

## GENERAL INFORMATION:

Formation: **A LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:24:40

Time Test Ended: 16:40:20

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3518.00 ft (KB) To 3535.00 ft (KB) (TVD)**

Reference Elevations: 2292.00 ft (KB)

Total Depth: 3535.00 ft (KB) (TVD)

2287.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8354**

Inside

Press@RunDepth: 11.58 psig @ 3519.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.12

End Date: 2011.03.12

Last Calib.: 2011.03.12

Start Time: 13:04:20

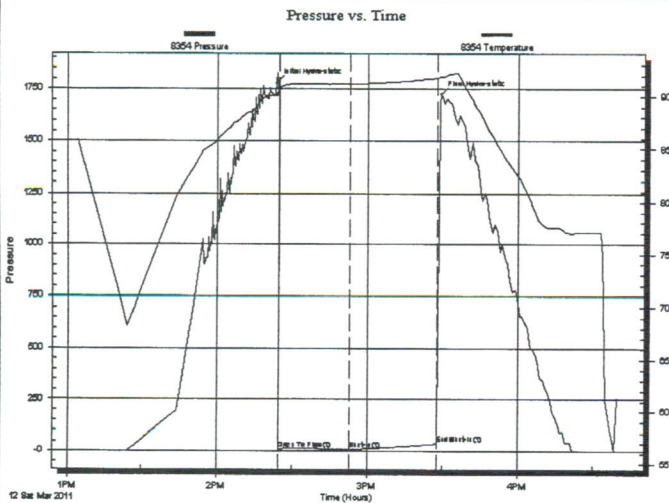
End Time: 16:40:20

Time On Btm: 2011.03.12 @ 14:23:30

Time Off Btm: 2011.03.12 @ 15:29:20

TEST COMMENT: IF-Weak-died in 1 min

Times[30-30]



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1779.01	90.09	Initial Hydro-static
2	11.31	90.36	Open To Flow (1)
30	11.58	91.19	Shut-In(1)
65	37.65	91.75	End Shut-In(1)
66	1724.84	91.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig Mud w/oil spots in tool	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

ATTN: Jim Baird

Job Ticket: 041696

DST#: 2

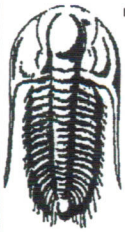
Test Start: 2011.03.12 @ 12:54:20

## Tool Information

Drill Pipe:	Length: 3387.00 ft	Diameter: 3.80 inches	Volume: 47.51 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume:	48.11 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3518.00 ft			Final 42000.00 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
Change Over Sub	1.00			3499.00	
Shut In Tool	5.00			3504.00	
Hydraulic tool	5.00			3509.00	
Packer	5.00			3514.00	20.00 Bottom Of Top Packer
Packer	4.00			3518.00	
Stubb	1.00			3519.00	
Recorder	0.00	8354	Inside	3519.00	
Recorder	0.00	8520	Outside	3519.00	
Perforations	13.00			3532.00	
Bullnose	3.00			3535.00	17.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>37.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

Job Ticket: 041696      DST#: 2

ATTN: Jim Baird

Test Start: 2011.03.12 @ 12:54:20

**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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1.00	Drig Mud w/oil spots in tool	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

DST Test Number: 2

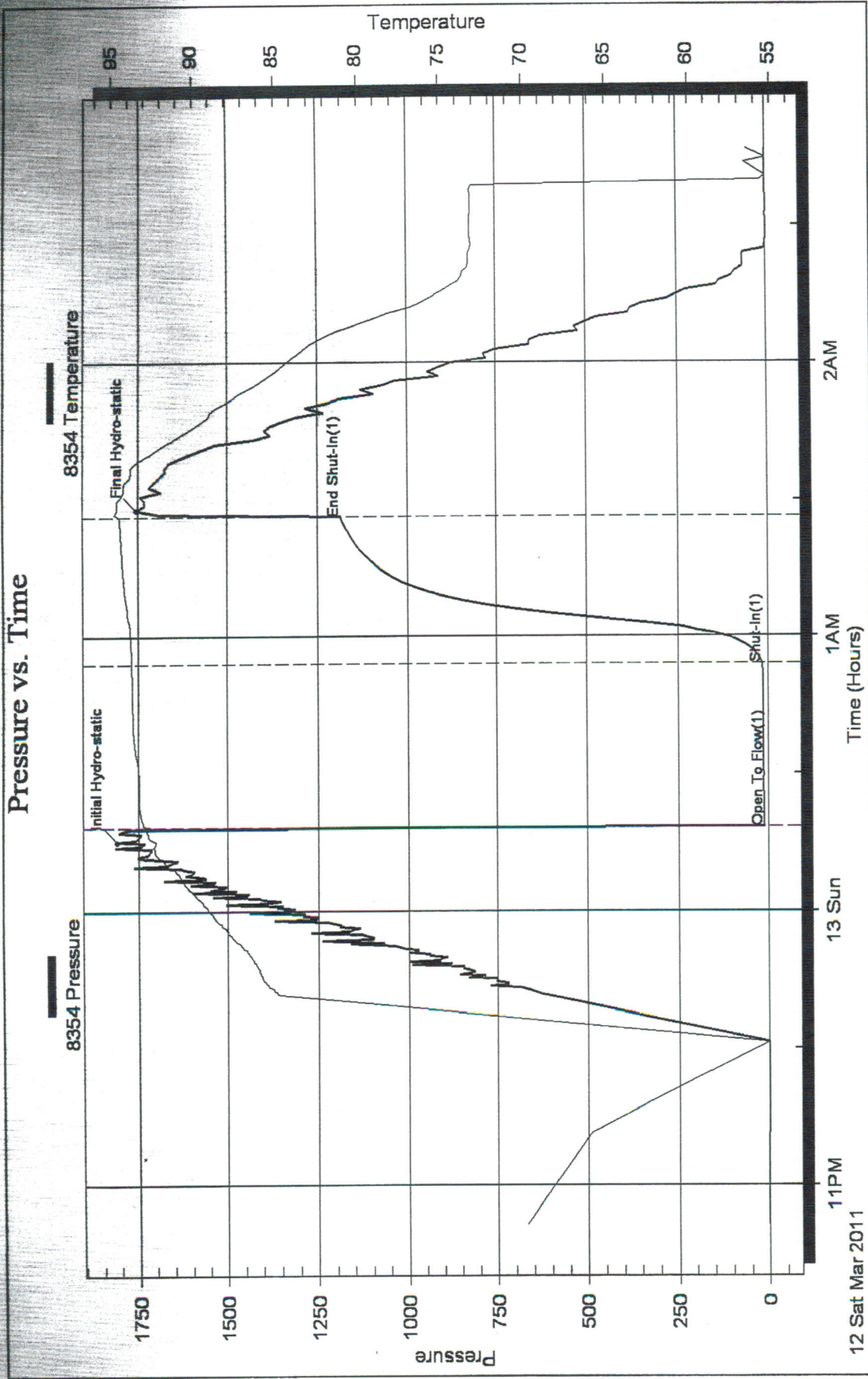
36-39-22w Norton, KS

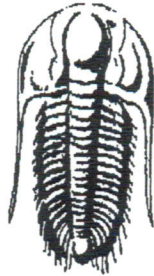
Baird Oil Co LLC

Inside

Serial #: 8354

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co LLC**

Box 428  
Logan KS 67646

ATTN: Jim Baird

**36-3s-22w Norton,KS**

**Graham # 1-36**

Start Date: 2011.03.12 @ 22:41:22

End Date: 2011.03.13 @ 02:46:52

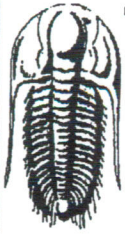
Job Ticket #: 041697      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

ATTN: Jim Baird

Job Ticket: 041697

DST#: 3

Test Start: 2011.03.12 @ 22:41:22

### GENERAL INFORMATION:

Formation: **C LKC**  
 Deviated: **No Whipstock:** ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **00:18:12**  
 Tester: **Dan Bangle**  
 Time Test Ended: **02:46:52**  
 Unit No: **38**  
 Interval: **3543.00 ft (KB) To 3564.00 ft (KB) (TVD)**  
 Reference Elevations: **2292.00 ft (KB)**  
**2287.00 ft (CF)**  
 Total Depth: **3564.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 KB to GR/CF: **5.00 ft**

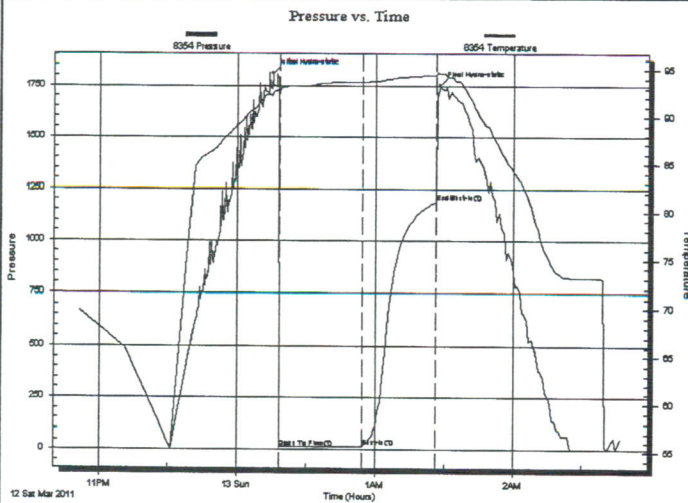
### Serial #: 8354

Inside

Press@RunDepth: **15.63 psig @ 3544.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2011.03.12** End Date: **2011.03.13** Last Calib.: **2011.03.13**  
 Start Time: **22:51:22** End Time: **02:46:52** Time On Btm: **2011.03.13 @ 00:15:12**  
 Time Off Btm: **2011.03.13 @ 01:27:52**

TEST COMMENT: IF-Weak died in 8 min

Times-[30-30]



### PRESSURE SUMMARY

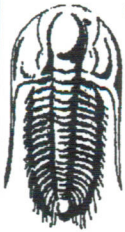
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.50	92.31	Initial Hydro-static
3	11.90	92.52	Open To Flow (1)
39	15.63	93.71	Shut-In(1)
72	1186.97	94.43	End Shut-In(1)
73	1753.36	94.61	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig Mud w/oil show	0.02

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton, KS**

ATTN: Jim Baird

Job Ticket: 041697

DST#: 3

Test Start: 2011.03.12 @ 22:41:22

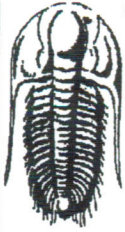
## Tool Information

Drill Pipe:	Length: 3418.00 ft	Diameter: 3.80 inches	Volume: 47.95 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 48.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3543.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 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			3524.00	
Shut In Tool	5.00			3529.00	
Hydraulic tool	5.00			3534.00	
Packer	5.00			3539.00	20.00 Bottom Of Top Packer
Packer	4.00			3543.00	
Stubb	1.00			3544.00	
Recorder	0.00	8354	Inside	3544.00	
Recorder	0.00	8520	Outside	3544.00	
Perforations	17.00			3561.00	
Bullnose	3.00			3564.00	21.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

Job Ticket: 041697

DST#: 3

ATTN: Jim Baird

Test Start: 2011.03.12 @ 22:41:22

## 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig Mud w/oil show	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

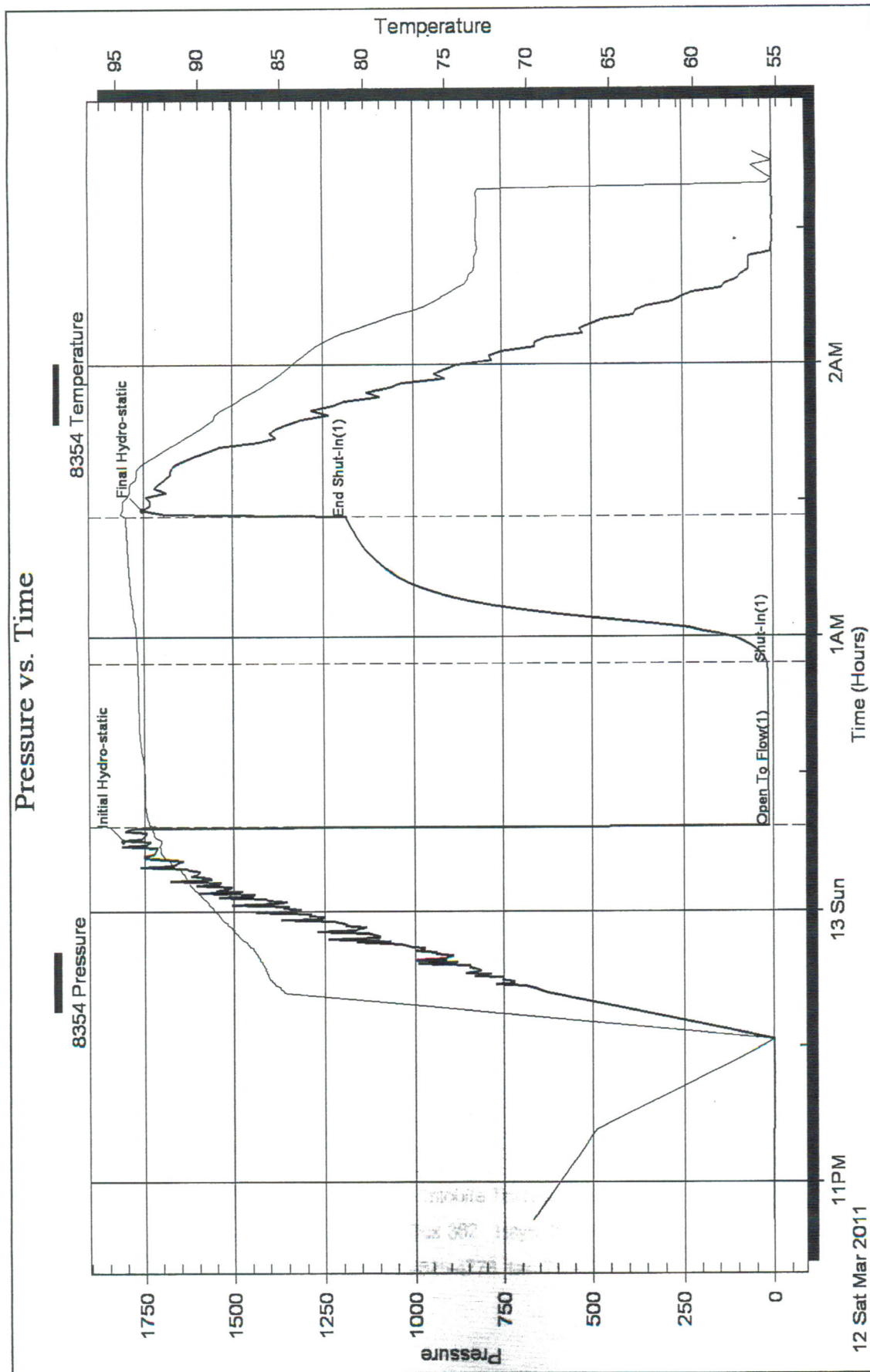
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co LLC**

Box 428  
Logan KS 67646

ATTN: Jim Baird

**36-3s-22w Norton,KS**

**Graham # 1-36**

Start Date: 2011.03.13 @ 08:04:33

End Date: 2011.03.13 @ 11:44:33

Job Ticket #: 041698          DST #: 4

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

ATTN: Jim Baird

Job Ticket: 041698 **DST#: 4**

Test Start: 2011.03.13 @ 08:04:33

### GENERAL INFORMATION:

Formation: **D LKC**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 09:23:53  
 Time Test Ended: 11:44:33  
 Interval: **3564.00 ft (KB) To 3577.00 ft (KB) (TVD)**  
 Total Depth: **3577.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Dan Bangle**  
 Unit No: **38**  
 Reference Elevations: **2292.00 ft (KB)**  
**2287.00 ft (CF)**  
**KB to GR/CF: 5.00 ft**

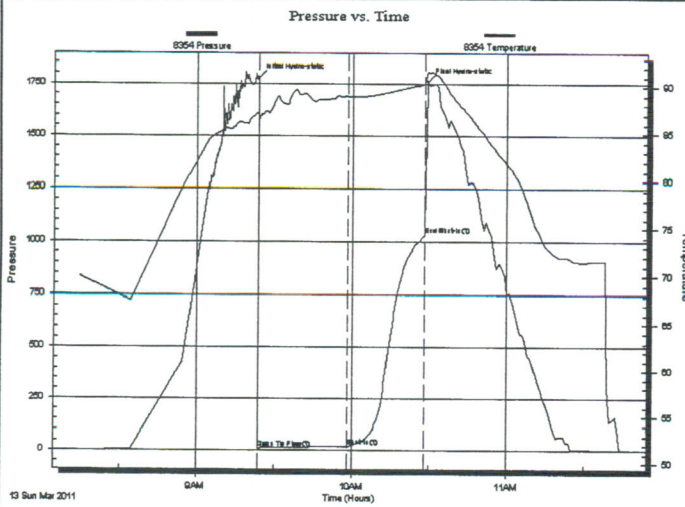
### Serial #: 8354

**Inside**

Press@RunDepth: **18.96 psig @ 3565.00 ft (KB)**  
 Start Date: **2011.03.13** End Date: **2011.03.13**  
 Start Time: **08:14:33** End Time: **11:44:33**  
 Capacity: **8000.00 psig**  
 Last Calib.: **2011.03.13**  
 Time On Btm: **2011.03.13 @ 09:23:43**  
 Time Off Btm: **2011.03.13 @ 10:29:03**

TEST COMMENT: IF-Weak died in 20min

Times[30-30]



### PRESSURE SUMMARY

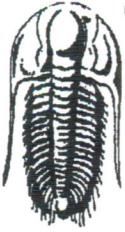
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.91	87.17	Initial Hydro-static
1	10.87	86.42	Open To Flow (1)
35	18.96	89.01	Shut-In(1)
65	1029.30	90.29	End Shut-In(1)
66	1759.22	91.56	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig Mud	0.02

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

Job Ticket: 041698      **DST#: 4**

ATTN: Jim Baird

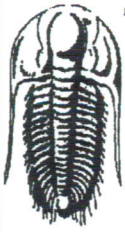
Test Start: 2011.03.13 @ 08:04:33

## Tool Information

Drill Pipe:	Length: 3449.00 ft	Diameter: 3.80 inches	Volume: 48.38 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3564.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3545.00	
Shut In Tool	5.00			3550.00	
Hydraulic tool	5.00			3555.00	
Packer	5.00			3560.00	20.00      Bottom Of Top Packer
Packer	4.00			3564.00	
Stubb	1.00			3565.00	
Recorder	0.00	8354	Inside	3565.00	
Recorder	0.00	8520	Outside	3565.00	
Perforations	9.00			3574.00	
Bullnose	3.00			3577.00	13.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>33.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co LLC

Graham # 1-36

Box 428  
Logan KS 67646

36-3s-22w Norton, KS

Job Ticket: 041698

DST#: 4

ATTN: Jim Baird

Test Start: 2011.03.13 @ 08:04:33

## 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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig Mud	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:



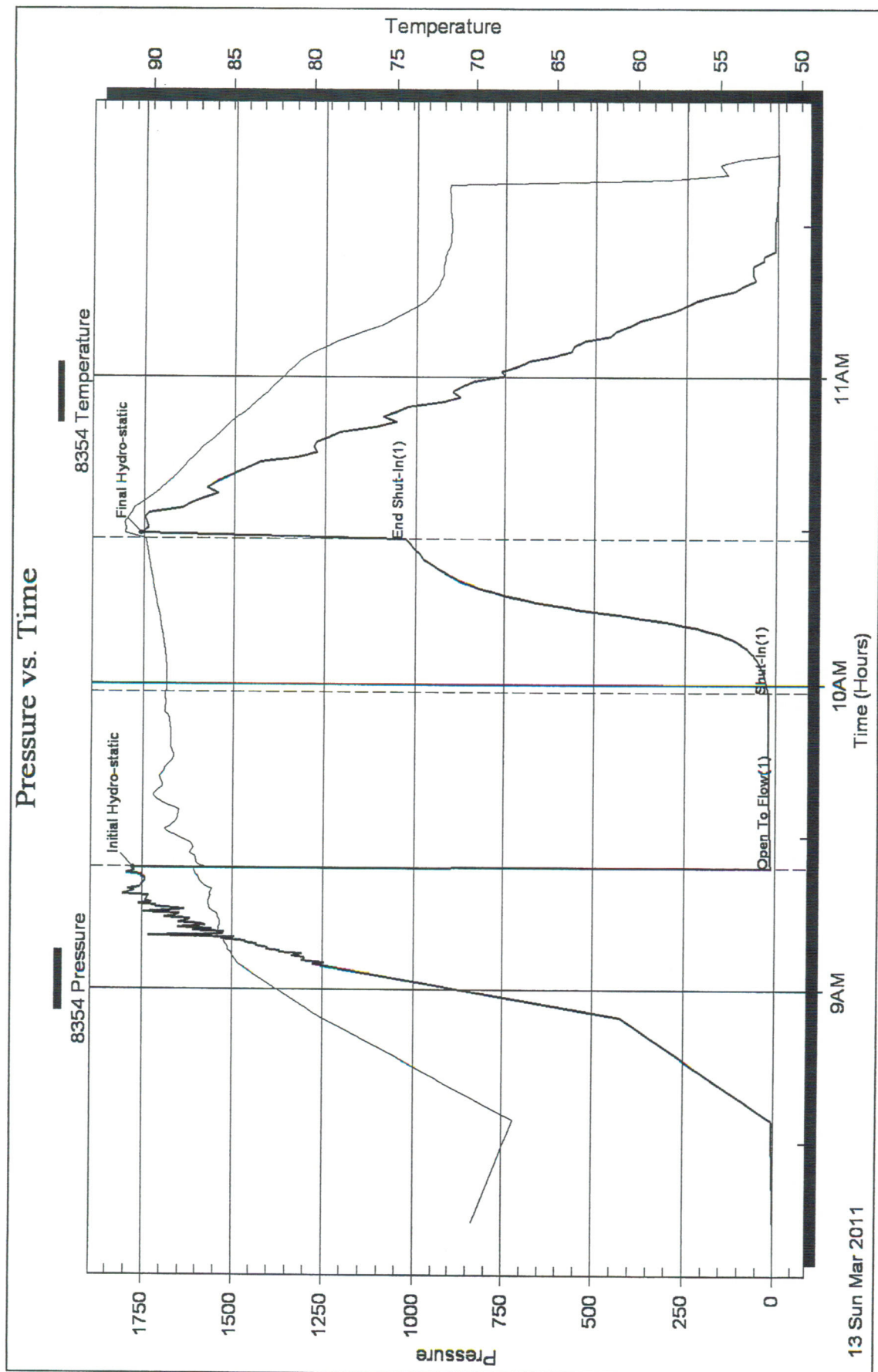
Serial #: 8354

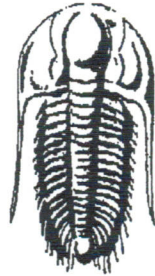
Inside

Baird Oil Co LLC

36-3s-22w Norton,KS

DST Test Number: 4





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co LLC**

Box 428  
Logan KS 67646

ATTN: Jim Baird

**36-3s-22w Norton,KS**

**Graham # 1-36**

Start Date: 2011.03.13 @ 19:10:21

End Date: 2011.03.14 @ 01:02:21

Job Ticket #: 041699      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Baird Oil Co LLC  
Box 428  
Logan KS 67646  
ATTN: Jim Baird

**Graham # 1-36**  
**36-3s-22w Norton,KS**  
Job Ticket: 041699 **DST#: 5**  
Test Start: 2011.03.13 @ 19:10:21

## GENERAL INFORMATION:

Formation: **E-F-G LKC**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:40:21  
 Time Test Ended: 01:02:21  
 Interval: **3577.00 ft (KB) To 3614.00 ft (KB) (TVD)**  
 Total Depth: **3614.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Dan Bangle  
 Unit No: 38  
 Reference Elevations: **2292.00 ft (KB)**  
**2287.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

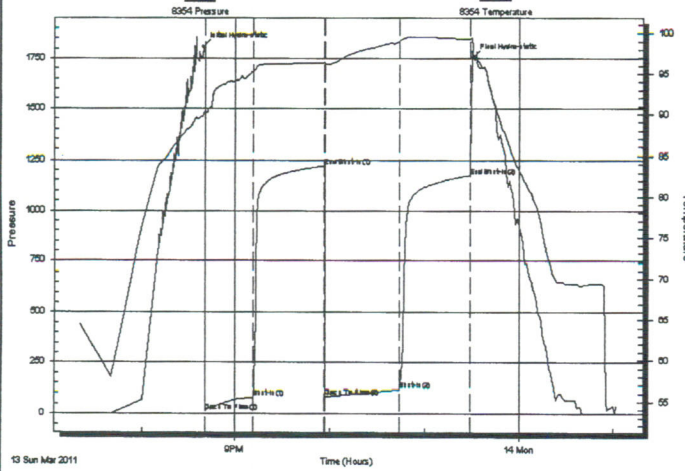
## Serial #: 8354

Inside

Press@RunDepth: 117.26 psig @ 3578.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.03.13 End Date: 2011.03.14 Last Calib.: 2011.03.14  
 Start Time: 19:20:21 End Time: 01:02:21 Time On Btrm: 2011.03.13 @ 20:39:11  
 Time Off Btrm: 2011.03.13 @ 23:30:21

TEST COMMENT: IF-Weak building to 6" fair blow  
 FF-Weak building to 3"  
 Times[30-45-45-45]

Pressure vs. Time



## PRESSURE SUMMARY

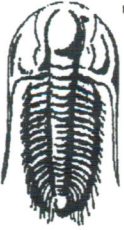
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1807.50	90.03	Initial Hydro-static
2	13.12	89.24	Open To Flow (1)
33	78.97	95.32	Shut-In(1)
78	1221.13	96.38	End Shut-In(1)
79	82.09	96.12	Open To Flow (2)
125	117.26	99.02	Shut-In(2)
170	1174.18	99.33	End Shut-In(2)
172	1756.39	98.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
185.00	Mdy Wtr	1.48
5.00	CO	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

Job Ticket: 041699 **DST#: 5**

ATTN: Jim Baird

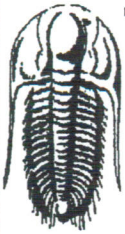
Test Start: 2011.03.13 @ 19:10:21

**Tool Information**

Drill Pipe:	Length: 3449.00 ft	Diameter: 3.80 inches	Volume: 48.38 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3577.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	37.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3558.00	
Shut In Tool	5.00			3563.00	
Hydraulic tool	5.00			3568.00	
Packer	5.00			3573.00	20.00 Bottom Of Top Packer
Packer	4.00			3577.00	
Stubb	1.00			3578.00	
Recorder	0.00	8354	Inside	3578.00	
Recorder	0.00	8520	Outside	3578.00	
Perforations	33.00			3611.00	
Bullnose	3.00			3614.00	37.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>57.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co LLC

**Graham # 1-36**

Box 428  
Logan KS 67646

**36-3s-22w Norton,KS**

Job Ticket: 041699

DST#: 5

ATTN: Jim Baird

Test Start: 2011.03.13 @ 19:10:21

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	Mdy Wtr	1.484
5.00	CO	0.070

Total Length: 190.00 ft      Total Volume: 1.554 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

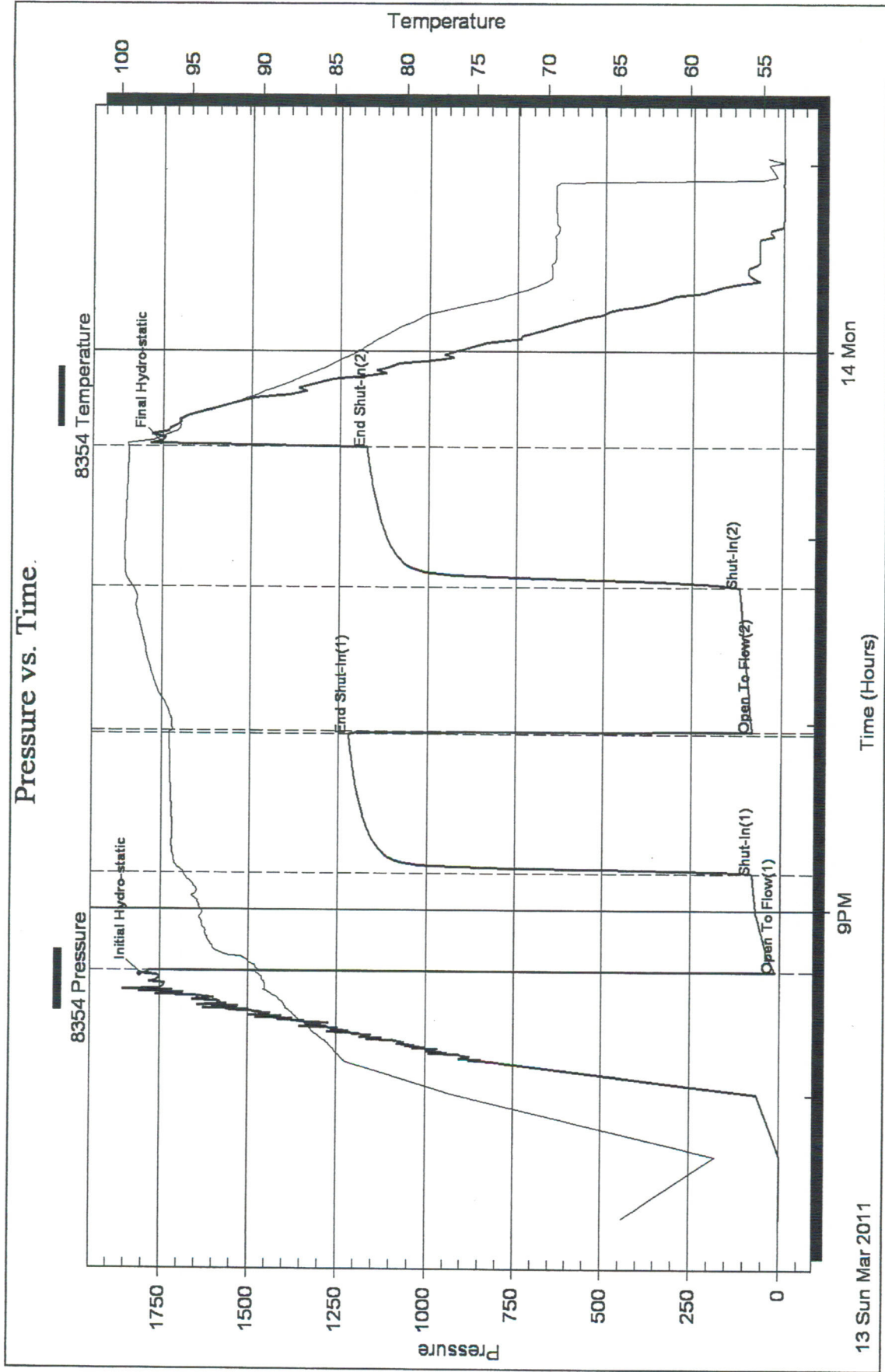
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .1 @ 80 = 70000ppm

### Pressure vs. Time



# SWIFT



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



## Invoice

DATE	INVOICE #
3/7/2011	19569

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	#1-36	Graham	Norton	WW Drilling #8	Oil	Development	Cement 8-5/8" S...	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	75	Miles	5.00	375.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.) - 218 Feet	1	Job	750.00	750.00
290	D-Air	2	Gallon(s)	35.00	70.00T
325	Standard Cement	180	Sacks	12.00	2,160.00T
279	Bentonite Gel	4	Sack(s)	25.00	100.00T
278	Calcium Chloride	5	Sack(s)	35.00	175.00T
581D	Service Charge Cement	180	Sacks	1.50	270.00
583D	Drayage	664.73	Ton Miles	1.00	664.73
	Subtotal				4,564.73
	Sales Tax Norton County			7.05%	176.60
	R3/14/2011 P3/15/2011				
	Graham 190402 4310.95			Em Worces 190402 430.38	
	Graham 1-36' Pump Charge, Cement & other misc used to Cement surface casing			Esther Worcester 1-12swd - 30 sacks of cement to top off well after plugging	
					3/16/2011 CK#10763

**We Appreciate Your Business!**

**Total**

\$4,741.33



CHARGE TO: Based Oil Co.  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
19569

PAGE 1 OF 1

1. SERVICE LOCATIONS: Hays, KS WELL/PROJECT NO.: 1-36 LEASE: Galum COUNTY/PARISH: Worton STATE: KS CITY: \_\_\_\_\_ DATE: 3-7-11 OWNER: \_\_\_\_\_

2. NESS OIL, KS TICKET TYPE:  SERVICE  SALES CONTRACTOR: USS DTS RIG NAME/NO.: #8 SHIPPED VIA: CT DELIVERED TO: W/E Douglas, KS ORDER NO.: \_\_\_\_\_

3. WELL TYPE: Oil WELL CATEGORY: Miscel JOB PURPOSE: Cement 858'-Surface WELL PERMIT NO.: \_\_\_\_\_

4. REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: Leave 90' cut in casing WELL LOCATION: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #113	75 mi				5.00	375.00
576 S		1			Pump Charge - cut Shallow Surface	218 ft				7.50/ft	1635.00
250		1			D-91e	2 yd				35.00	70.00
335		2			Standard Cement	180 SKS				12.00	2160.00
229		2			Bestnite Gel 20%	4 SKS				25.00	100.00
278		2			Calcium Chloride 3%	5 SKS				35.00	175.00
581		2			Service Charge - Cement	180 SKS				1.50	270.00
583		2			Drillage	1647.73				4.64	7641.73

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: 3-7-11 TIME SIGNED: 1:30  A.M.  P.M.

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

SURVEY: 1647.73 Tax 177.26 165

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

PAGE TOTAL: 4741

TOTAL: 4741

TAX: 176.60

TOTAL: 4917.60

SWIFT OPERATOR: [Signature] 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 3-7-11 PAGE NO. 1

CUSTOMER

Baird Oil Co.

WELL NO.

1-36

LEASE

Graham

JOB TYPE

Cement Surface

TICKET NO.

19569

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1745							On location - Rig in 8 5/8" casing Set up Tot.
		4 1/2					200	Hook to 8 5/8" casing 24 #ft @ 218' Start 150 SKS Standard Pkg gel 3% cc.
			36				200	Fin cont - cont circulating
		4 1/2					200	Start Displ.
	1815		12 1/2				250	Fin Displ. - 20' left in pipe close in & Release tot. Wash up & Rehook
								<del>Thawls</del> Don, Doug & Laurie
	1160							30 SKS Standard amt used to top off PTA - Esterle emulster



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



# Invoice

DATE	INVOICE #
3/15/2011	19574

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	#1-36	Graham	Norton	WW Drilling Rig #8	Oil	Development	PTA	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	5.00	400.00
576D-P	Pump Charge - PTA				1	Job	750.00	750.00
290	D-Air				2	Gallon(s)	35.00	70.00T
328-4	60/40 Pozmix (4% Gel)				205	Sacks	9.75	1,998.75T
276	Flocele				52	Lb(s)	1.50	78.00T
581D	Service Charge Cement				205	Sacks	1.50	307.50
583D	Drayage				734.32	Ton Miles	1.00	734.32
	Subtotal							4,338.57
	Sales Tax Norton County						7.05%	151.35
	R3/18/2011 P3/22/2011  Graham 190402 4489.92 Graham 1-36 - Pump charge, Cement and other misc used to plug well							
<b>We Appreciate Your Business!</b>							<b>Total</b>	\$4,489.92



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

TICKET  
 19574

PAGE 1 OF 1

1. <u>Hays, KS</u>	WELL/PROJECT NO. <u>1-34</u>	LEASE <u>Graham</u>	COUNTY/PARISH <u>Newton</u>	STATE <u>Ks</u>	CITY	DATE <u>3-15-11</u>	OWNER
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	CONTRACTOR <u>WCS Drilling</u>	RIG NAME/NO. <u>Rig # 8</u>	SHIPPED <input checked="" type="checkbox"/> MET	DELIVERED TO <u>NE/Dearborn, KS</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Oil lease</u>	JOB PURPOSE <u>Plas to Abandon</u>		WELL PERMIT NO.	WELL LOCATION	
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
575		1			MILEAGE #113	80	mi			500	400.00
576 P		1			Pump Charge - PTA	1	ea			750.00	750.00
29A		1			D-Air	2	gal			35.00	70.00
338-4		2			60/yr 8oz 4% gel	205	SKS	172226	lbs	9.25	1998.75
276		2			Fluore	54	lbs			1.50	78.00
581		2			Service Charge - Cement					1.50	307.50
583		2			Drillage	73432	TM	85	cu	1.00	734.32

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 3-15-11 TIME SIGNED  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?

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 4338.57

TOTAL 4489.92

Postion TAX 7.05% 151.35

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

SWIFT OPERATOR Alan Penman APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-14-11 PAGE NO. 1

CUSTOMER Beard Oil Co WELL NO. 1-3 LEASE Graham JOB TYPE PTA - Rotary TICKET NO. 19574

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0100							On location - Setup Tools
	0330							1st Plug - 25 SKS @ 1990'
								10 H <sub>2</sub> O
			6 1/2					6 1/2 cmt - 60/40 Pbz, 2 1/2 gal 1/4 floccule
								3 1/2 H <sub>2</sub> O - Thru Tub
								23 mud
	0410							2nd Plug - 100 SKS @ 1162'
								10 H <sub>2</sub> O
			26					26 cmt
								8 H <sub>2</sub> O Thru Tub
	0450							3rd Plug 40 SKS @ 270'
								3 H <sub>2</sub> O
			10 1/2					10 1/2 cmt
								1 H <sub>2</sub> O
			3					4th Plug 10 SKS @ 40' / Top Plug
			8					5th Plug 30 SKS @ RH
								Total mud used 205 SKS
	0615							Job Complete
								Washup & Reelup Tools
<p><i>Travis</i>              Alan, Hong &amp; John</p>								