



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1134878  
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: \_\_\_\_\_



1134878

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 <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  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
<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: <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> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Weiser-Field Unit 1-23
Doc ID	1134878

Tops

Name	Top	Datum
Anhydrite	2089	+313
Base Anhydrite	2114	+288
Topeka	3399	-997
Heebner	3605	-1203
Toronto	3630	-1228
Lansing	3648	-1246
Base Kansas City	3838	-1436
Marmaton	3865	-1463
Granite	4015	-1613
Total Depth	4034	-1632

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  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

April 19, 2013

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

Re: ACO1  
API 15-137-20641-00-00  
Weiser-Field Unit 1-23  
SW/4 Sec.23-03S-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 #
4/3/2013	23962

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	#1-26	Weisner Fiel...	Norton	WW Drilling #12	Oil	Development	Surface Pipe	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.) - 263 Feet				1	Job	1,000.00	1,000.00
290	D-Air				2	Gallon(s)	35.00	70.00T
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				648.5	Ton Miles	1.00	648.50
	Subtotal							5,031.00
	Sales Tax Norton County						7.05%	181.36
	R 4/8/2013 P 4/8/2013 WeisFiel 190402 5212.36 Weiser/Field unit 1-23 - Pump charge, cement & other misc used to cement surface casing							
<b>We Appreciate Your Business!</b>							<b>Total</b>	\$5,212.36

4/9/2013  
CK# 13286



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

TICKET No. **23962**

PAGE 1 OF 1

SERVICE LOCATIONS  
 1. Hays, KS. WELL/PROJECT NO. 4-26 LEASE Wesson Field Unit COUNTY/PARISH Norton STATE KS DATE 4-3-13 OWNER same  
 2. Ness City, KS. TICKET TYPE  SERVICE CONTRACTOR W W D-19 #12 RIG NAME/NO. ST location ORDER NO.  
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE Surface Pipe WELL PERMIT NO. WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #111	80 mi				6.00	480.00
57605					Pump Charge (Shallow Surface)	1 ea		263'		1000.00	1000.00
290					D-Air	2 bag				35.00	70.00
325					Standard Cement	165 sks				13.50	2227.50
278					Calcium Chloride	5 sks				40.00	200.00
279					Bentoni te gel	3 sks				25.00	75.00
581					Cement Service Charge	165 sks				2.00	330.00
583					Drayage	648.5 TM				1.00	648.50

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 4-3-13 TIME SIGNED 1730  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 5031.00  
 TOTAL 5212.33  
 7.05% TAX 181.33

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

Thank You



# SWIFT



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

## Invoice

DATE	INVOICE #
4/9/2013	24310

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	#1-23	Weiser Field ...	Norton	WW Drilling	Oil	Development	PTA	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	6.00	480.00
576D-P	Pump Charge - PTA	1	Job	1,000.00	1,000.00
290	D-Air	3	Gallon(s)	35.00	105.00T
410-8	8 5/8" Top Plug	1	Each	100.00	100.00T
328-4	60/40 Pozmix (4% Gel)	255	Sacks	11.50	2,932.50T
276	Flocele	64	Lb(s)	2.00	128.00T
581D	Service Charge Cement	255	Sacks	2.00	510.00
583D	Drayage	859.68	Ton Miles	1.00	859.68
	Subtotal				6,115.18
	Sales Tax Norton County			7.05%	230.22
	<i>R4/12/2013</i>				
	<i>P4/12/2013</i>				
	<i>Weiser/Field Unit 1-23 - Pump charge, Cement &amp; other misc expenses used to plug well</i>				
	<i>Weiser/Field 190402 6345.40</i>				

**We Appreciate Your Business!**

**Total**

\$6,345.40





CHARGE TO: Barrick D-1 Co.  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET No. **24310**

PAGE 1 OF 1

SERVICE LOCATIONS

1. Hays, KS WELL/PROJECT NO. 1-23 LEASE Weiser Field Unit COUNTY/PARISH Norton STATE KS CITY \_\_\_\_\_ DATE 7-9-13 OWNER \_\_\_\_\_

2. Ness City, KS TICKET TYPE  SERVICE CONTRACTOR W W Drg RIG NAME/NO. \_\_\_\_\_ ORDER NO. \_\_\_\_\_

3. WELL TYPE D-1 WELL CATEGORY in field JOB PURPOSE PTA - New well DELIVERED TO S/E Norton, KS WELL PERMIT NO. \_\_\_\_\_

4. REFERRAL LOCATION \_\_\_\_\_ WELL LOCATION \_\_\_\_\_

INVOICE INSTRUCTIONS \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					#113	80 mi					4.00	480.00
576 P					Ramp Charge - PTA	1 ea					100.00	100.00
290					D-Air	3 gal					35.00	105.00
410					Top Plug -	1 ea					100.00	100.00
388-4					60/40 Bzair (98 Gal)	255 SKS					11.50	2932.50
276					Fluocel 1/4 #/SK	64 lbs					2.00	128.00
581					Service Charge - Rental	253 SKS					2.00	510.00
583					Drayage	80 mi					10.00	859.68

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 7-9-13 TIME SIGNED 1845

SIGNED Mac Bisse  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 518

Tax 7.05%

TOTAL 6345.4

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

SWIFT OPERATOR Sha Fenner

APPROVAL \_\_\_\_\_

Thank You

**JOB LOG**

**SWIFT Services, Inc.**

DATE 4-9-13 PAGE NO.

CUSTOMER Broad Oil Co. WELL NO. 123 LEASE Weiser Field Unit JOB TYPE PTA-New Well TICKET NO. 24310

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								Called @ 1615 - Ready ASAP
	1845							On location - 255 SKS 60/40 Pz, 7% gel. Setup Toks - Rig air D.P. 1/4" Hoses
		5	10					1st Plug @ 3885' - 50 SKS cont
		5/7	13/40			300		H2O / cont / H2O
		5/7	3 1/2 / 40			400		Rig pump 40 BBL mud
	2010					0		Fin 1st Plug - Pull D.P. to 2105'
		5	10					2nd Plug @ 2105' - 25 SKS cont
		5/7	7 1/2 / 24			400		H2O / cont / H2O
	2120					0		Rig pump mud Pull D.P. to 1270'
		5	10					3rd Plug @ 1270' - 100 SKS cont
	2200	5	7			300		H2O / cont / H2O thru tub
		5	5			0		Pull D.P. to 310' = 40 SKS cont
		5	10			200		H2O / cont / H2O thru tub
	2240	5	3			0		Pull D.P. & Laydown RH
			3					Top Plug @ 40' - cont (10 SKS)
			7					Plug RH - (30 SKS)
	2330							Job Complete Washed & Decked

*Handwritten signature*  
 Alan & Son & Flint

A.P.I # 15-137-20641-00-00

**GEOLOGICAL REPORT**  
**DRILLING TIME AND SAMPLE LOG**

COMPANY <u>Baird Oil Company, LLC</u>	ELEVATION
LEASE <u>Weiser-Field Unit #1-23</u>	KB <u>2402'</u>
FIELD <u>Wildcat</u>	DF <u>2400'</u>
LOCATION <u>2615' FSL &amp; 1565' FWL</u>	GL <u>2394'</u>
SEC <u>23</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>WWD Drilling Rig #12</u>	CASING
SPUD <u>4-3-13</u> COMP <u>4-9-13</u>	Surface <u>8 5/8" @ 260'</u>
SAMPLES SAVED FROM <u>3350'</u> TO <u>R.T.D.</u>	Production <u>None</u>
	ELECTRIC LOGS
	<u>Nabors</u>

**FORMATION TOPS AND STRUCTURAL POSITION**

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				●			
Anhydrite	2093	2089	+ 313	+ 303			
Base Anhydrite	2118	2114	+ 288	+ 286			
Tapeka	3401	3399	- 997	- 998			
Heebner	3607	3605	- 1203	- 1201			
Toronto	3632	3630	- 1228	- 1226			
Lansing	3650	3648	- 1246	- 1242			
Base Kansas City	3840	3838	- 1436	- 1434			
Marmaton	3867	3865	- 1463	- 1466			
Granite	4017	4015	- 1613	- 1537			
Total Depth	4035	4034	- 1632	- 1552			

**REFERENCE WELLS**

- A Baird Oil Co., Esslinger Ranch, Inc. #3-26, 1590' FNL & 1170' FWL Sec. 26-3s-22w
- B \_\_\_\_\_
- C \_\_\_\_\_
- D \_\_\_\_\_

REMARKS

This well ran 4 feet lower on the logging top than the reference well. After reviewing all pertinent information it was decided no further testing was warranted. The well was plugged and abandoned.

Richard B. Bell  
4-10-13

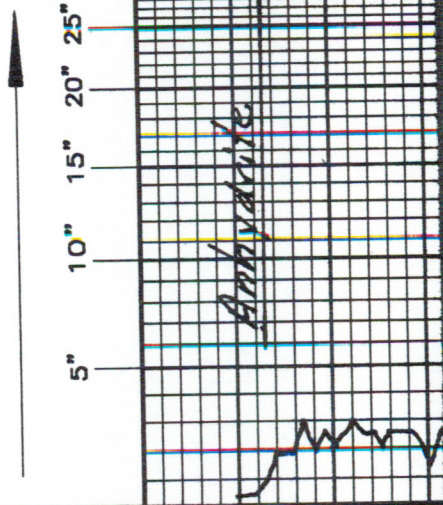
7502

LEGEND

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

DRILLING TIME IN MINUTES  
PER FOOT

Rate of Penetration Decreases



DEPTH

2000

2100

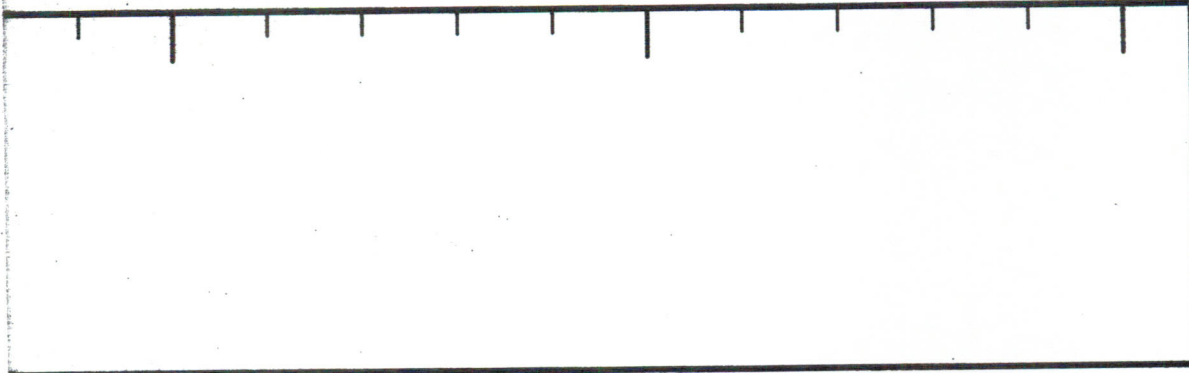
LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

LOG 7710



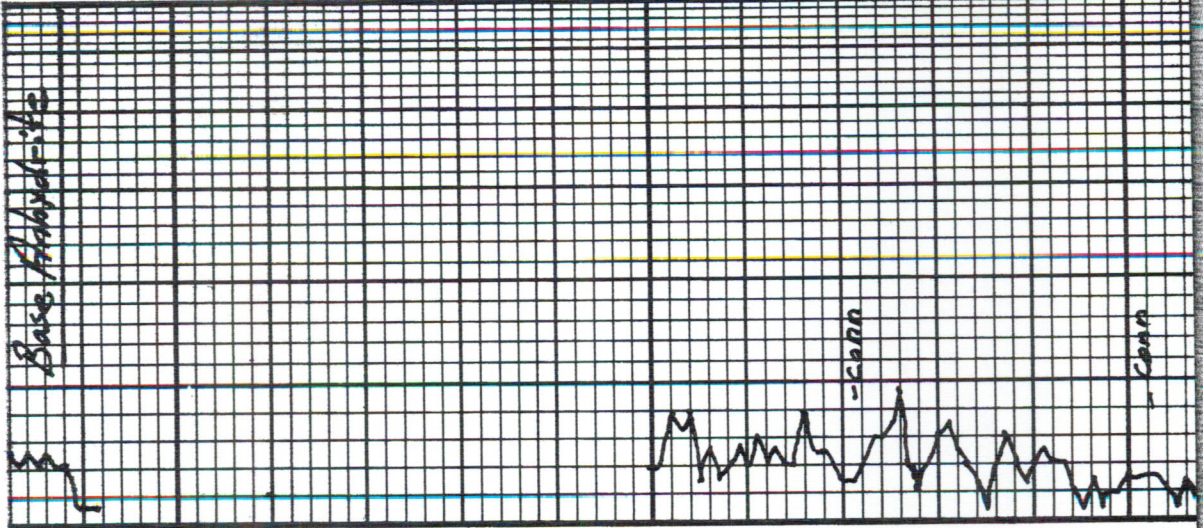
2120

3200

20

40

Base Hydride



20

40

60

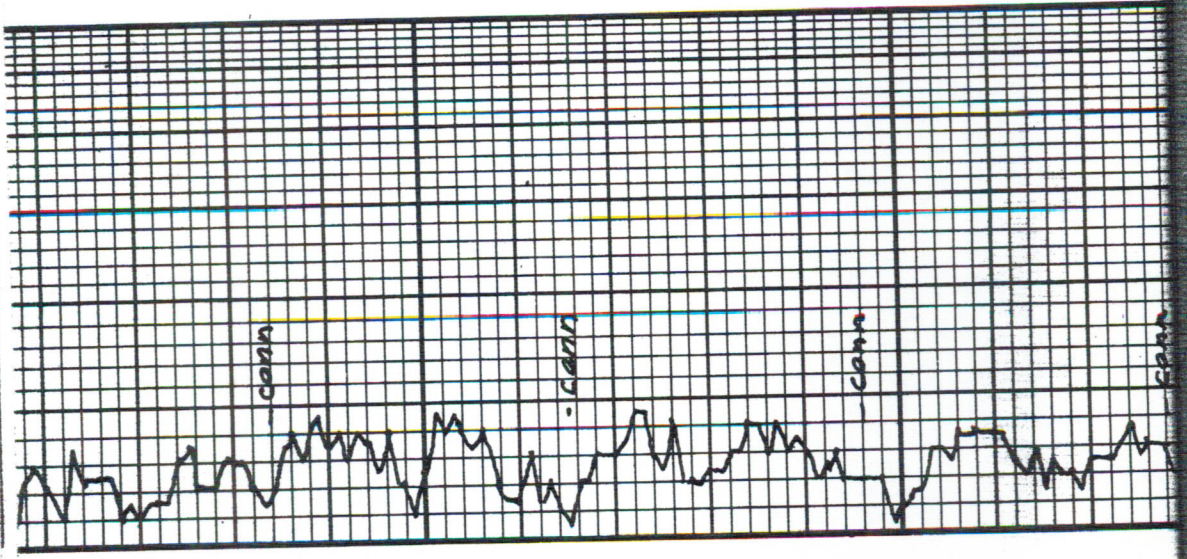
80

3300

20

40

60



Samples are lagged  
Good Samples

L5: gry mtld fslf dns

L5: whtn-lt. gry slicky-feln dns

Sh: brn slty, gry Tr. SS: gry V. fn. gn. Concol. in gran. N.S.O.

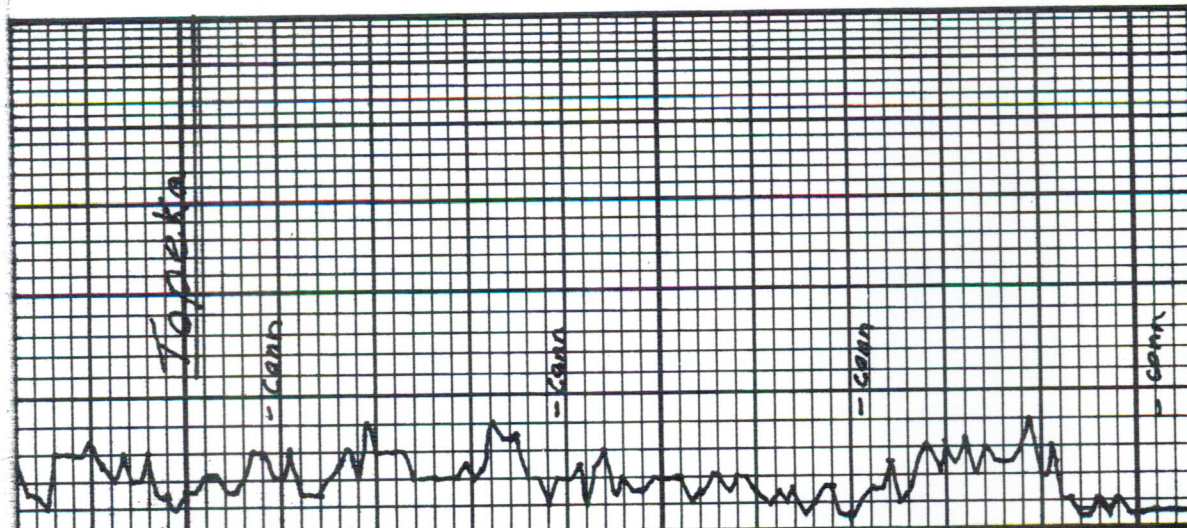
L5: tn-lt. gry fslf Tr. pp  $\phi$  NSO- Tr A tr

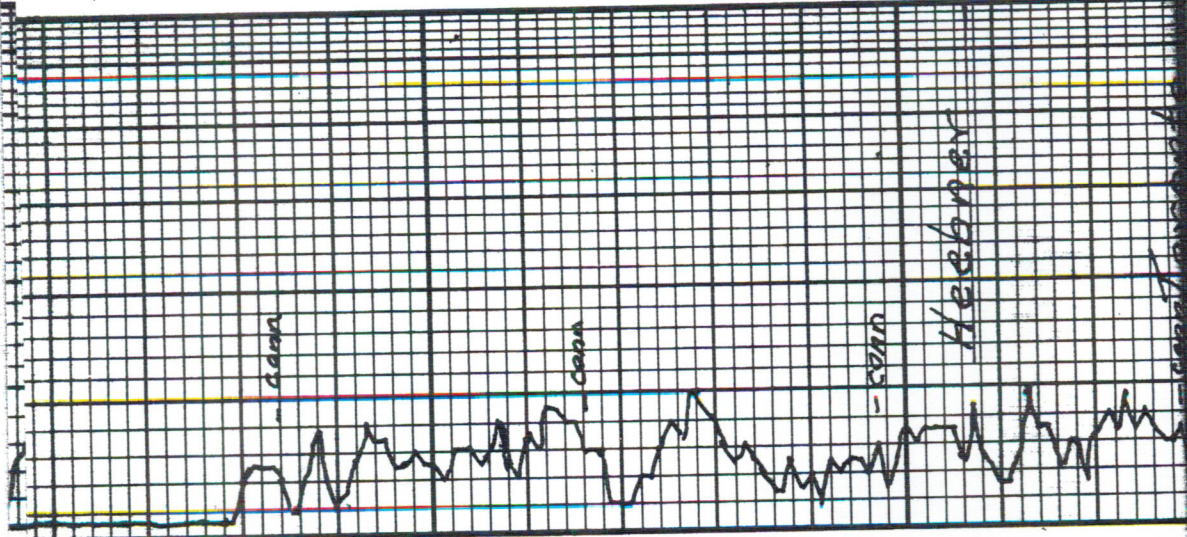
sh gry, brn

L5: tn-gry feln - slic fslf dns

LS: whtn-gry mtld cky P&F No. Vis. N.S.O.	sh: brn slty, gry slty
LS: whtn-gry Tr. cky mostly fcln dns.	
LS: whtn slty-cky-fcln-Tr Sl. 6614 No. Vis. N.S.O.	
LS: whtn slty-cky-fcln dns	
sh: gry slty, brn	
Tr. SS: clr-gry v. fm. gn. Consol. irregular fcln	
sh: brn slty	
cky Sdy LS N50	
LS: whtn cky-fcln slty PPP N.S.O. A Tr	
sh: brn	
LS: tn-gry fcln dns	
sh: brn slty, gry slty	

3400  
20  
40  
60  
80  
3500

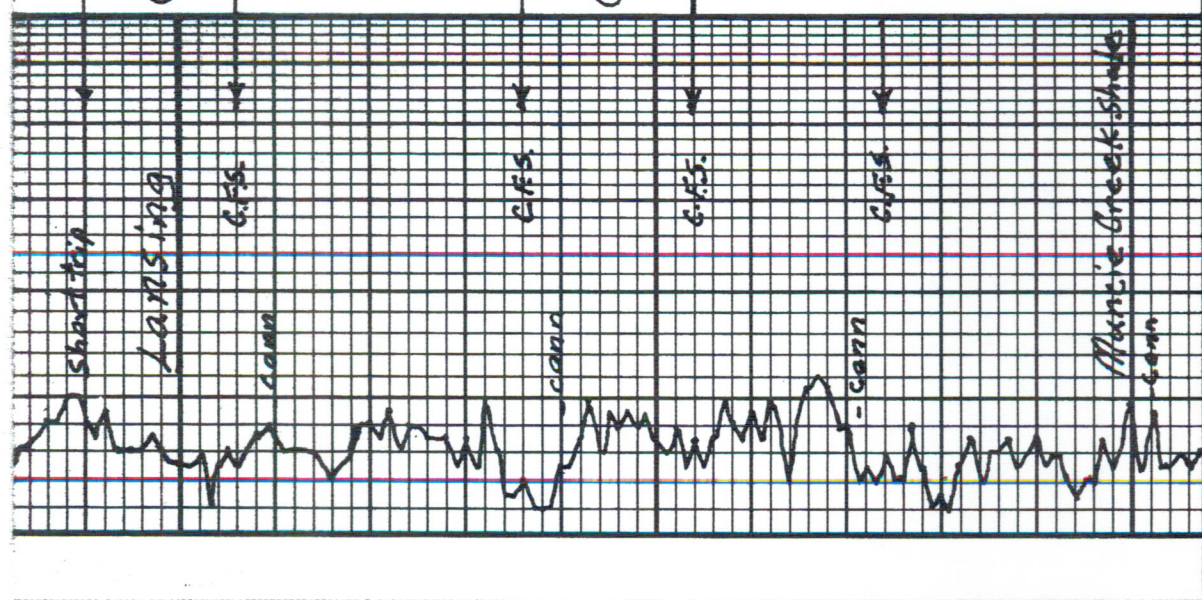




20	brn & blue slty sdy sh.
40	sh: brn slty LS: wh-tn cky-fsif ppp NSA sh: brn
60	LS: tn fclndns sh: brn & gry R.T. blk carb. LS: wh-tn fcln-fsif dns
80	LS: wh-tn cky-fcln gyp NSA LS: brn fcln dn.
3600	LS: wh-tn cky-fcln ool PPP NSA-
	LS: tn-tt. gry fcln dns
20	sh: blk carb. LS: lt. gry slt mtlol fsif dns sl: pyrite spks. LS: tn fsif dns sh: brn slty

Board 3660.20  
Strap 3658.86  
Diff 1.34





LS: whtn fcln sli. oil pp. pp N.S.O. Tr Δ TN.	sh: brn
LS: whtn fcln oil fass. incls. Tr. sli. v. gy. & pp. & ct. spid. O str. Tr. pp floating F.A. No odor	LS: whtn fcln sli. chy. fcln dns. sh: brn
LS: whtn sli. chy. fcln sli. oil. sub. oil Tr. pp. & N.S.O. No cut Δ v. brn, or	sh: brn
LS: whtn sli. chy. fcln oil foss incls. pp. & Tr. v. gy. & dtk spid. O str. pp bleeding F.A. v. ft odor	LS: whtn sli. chy. fcln oil foss incls. pp. & Tr. v. gy. & dtk spid. O str. pp bleeding F.A. v. ft odor
LS: whtn sli. chy. fcln dns. pr. pp. & v. RT. blk O spks N.S.O. No odor v. dty to gy	LS: whtn sli. chy. fcln dns. pr. pp. & v. RT. blk O spks N.S.O. No odor v. dty to gy
LS: whtn fcln oil. - dalc. in part of N.S.O. Δ wh.	sh: brn, gry, Tr. blk Carb

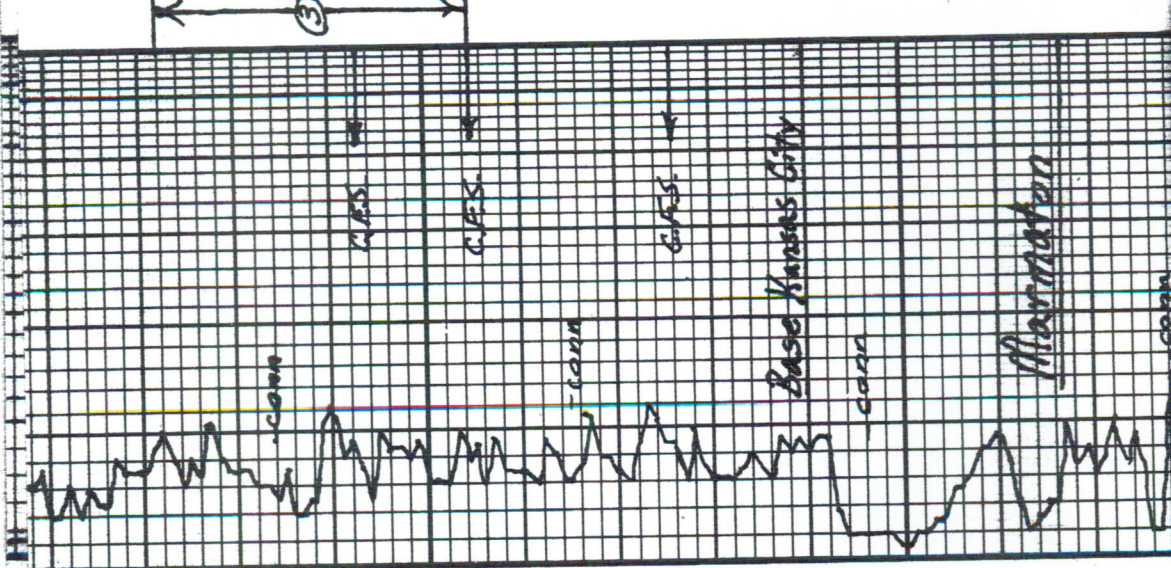
Incline @ 366' 3/4"  
 Tribolite Testing  
 DST #1 3640'-3656'  
 30-30-30-30  
 IF: 1/4" blow  
 FF: 1/4" blow  
 Recovery: 65' Tata.  
 2' O.I.  
 63' OCMW 1020, 602W  
 30% M  
 Hyd: 1802-1773#  
 FP: 15-27/31-42#  
 BHP: 1210-1176#  
 BHTemp: 94°F

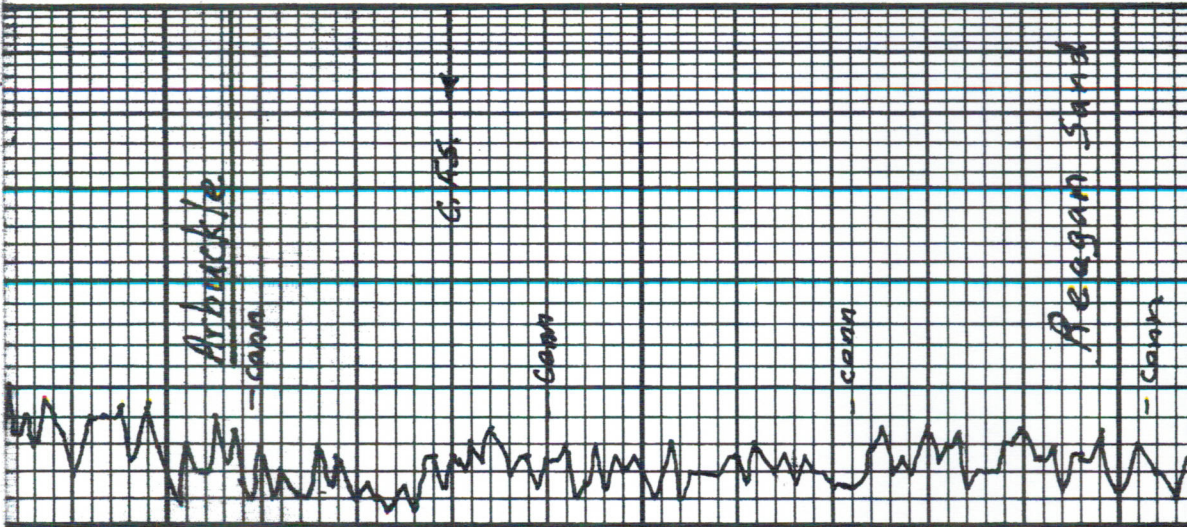
DST #2 3686'-3704'  
 45-45-45-45  
 IF: wk blow incr. to 6"  
 FF: wk blow incr. to 3 1/2"  
 Recovery: 180' MW  
 85% W 152M  
 Hyd: 1837-1785#  
 FP: 13-73/75-98#  
 BHP: 1299-1286#  
 BHTemp: 93°F.

DST#3 3772-3805  
 30-30-0-0  
 IF: wkb low died in 20min  
 Recovery: 1' Mud  
 Hyd: 1901-1876#  
 FP: 13-14#  
 BHP: 21#  
 BHTemp: 92°F

sh: gry sli: x: brn sli: x  
 Ls: wh: tn v. cty: - fch oil  
 ppd N.S.O.  
 sh: brn  
 Ls: tn: v. x: l: f: s: l: f: das  
 lot of sh: brn  
 sh: brn  
 Ls: wh: - th: f: ch: n: - f: s: l: f: oil  
 abund. fass. / inclus. pp φ -  
 ignit φ fr. 0 sat. pp bleed  
 to parabolic SA fr. odor  
 sh: brn, gry  
 Ls: wh: - th: f: ch: n: - s: l: - f: s: l: f: das  
 N.S.A. Tr Δ wh  
 sh: brn + gry  
 Ls: wh: - tn: s: l: - cty: - f: ch: n: das  
 sh: brn, gry, grn  
 Tr. ss: brn v. fr. gr. - consol.  
 igaran φ N.S.A.  
 sh: brn sli: x  
 Ls: wh: - tn: - brn cty: - f: ch: -  
 sli: f: s: l: f: das N.S.O.  
 sh: brn sli: x

60  
 H  
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 3800 J  
 20 K  
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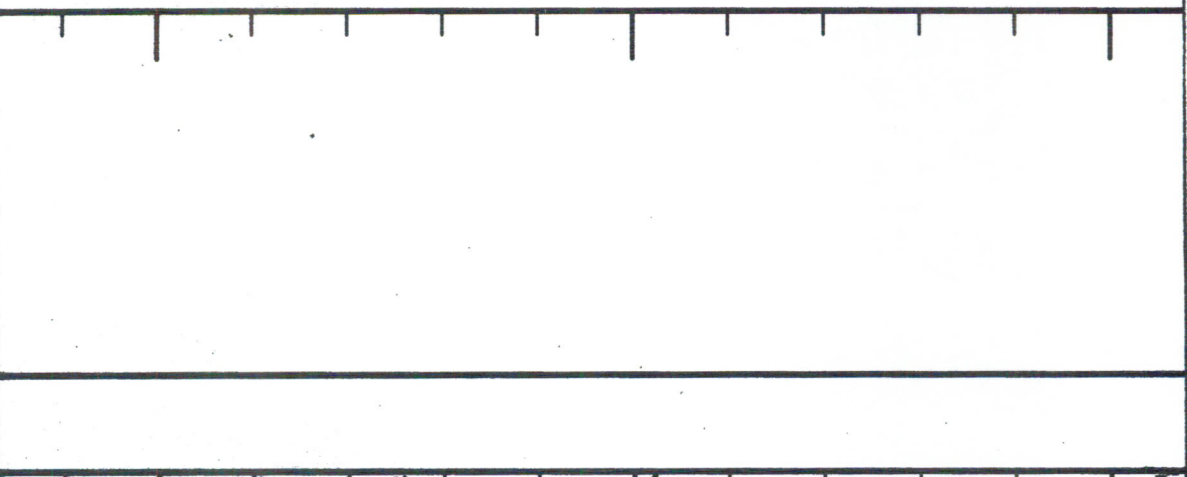




3900  
 20  
 40  
 60  
 80  
 4000



Ls: tn-brn sli. mtld flif  
 das. N.S.O.  
 Ls: uk-tn fuch dns  
 Tr. dali-tn-~~pk~~ fela das  
 Tr. glauc. Spks N.S.O.  
 Dol: + sdy dol: wh-tn-  
 pk fch-mxn inxlp N.S.O.  
 glauc. Spks  
 Dol + sdy dol: wh-tn  
 fch-mxn, inxlp-VgV φ  
 glauc. Spks N.S.O.  
 Dol: wh-tn-brn fch-mxn  
 inxlp-VgV φ glauc. Spks  
 N.S.O.  
 Dol: tn-brn fch-mxn  
 inxlp N.S.O. incr. glauc.  
 Dol: a a  
 Samt  
 Dol: tn-brn a a  
 Tr Qtz angular Sli frost  
 N.S.O. - cons. gn uncons.



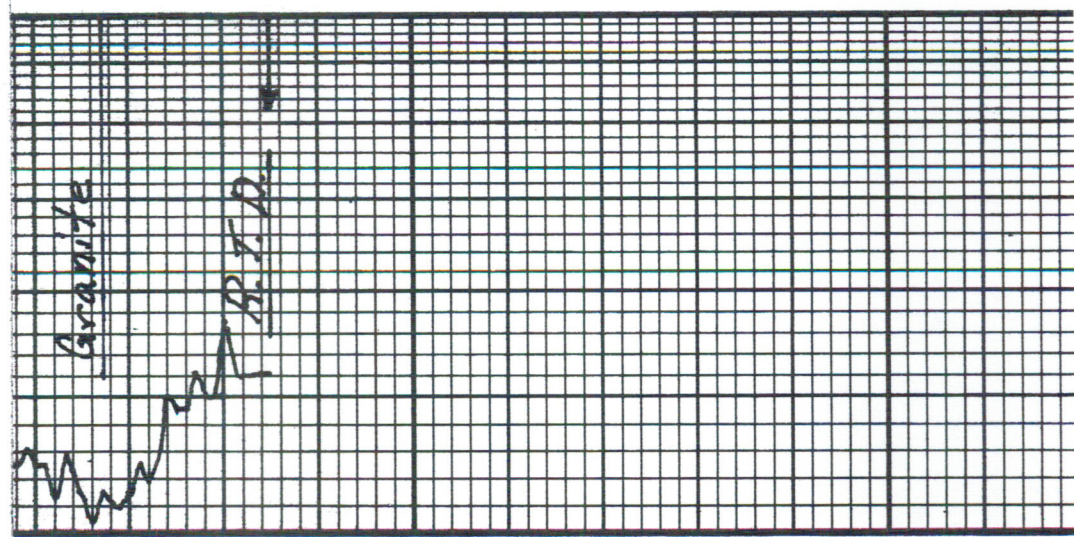


inc. Qtz, clt-frost. Coars gn. unconsol N.S.O.	Quartz, biotite, feldspar	Qtz, biot, felds.										
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20

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## DRILL STEM TEST REPORT

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

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**23-3s-22w Norton,KS**

**Weiser-Field Unit #1-23**

Start Date: 2013.04.07 @ 04:50:00

End Date: 2013.04.07 @ 10:25:45

Job Ticket #: 50645                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.12 @ 15:34:48



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Co. LLC

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**Weiser-Field Unit #1-23**

**23-3s-22w Norton,KS**

Job Ticket: 50645

**DST#: 1**

Test Start: 2013.04.07 @ 04:50:00

## GENERAL INFORMATION:

Formation: **LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:04:30

Time Test Ended: 10:25:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Wilbur Steinbeck

Unit No: 44

**Interval: 3640.00 ft (KB) To 3656.00 ft (KB) (TVD)**

Reference Elevations: 2398.00 ft (KB)

Total Depth: 3656.00 ft (KB) (TVD)

2390.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8353 Outside**

Press @ Run Depth: 41.76 psig @ 3641.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.07 End Date: 2013.04.07

Last Calib.: 2013.04.07

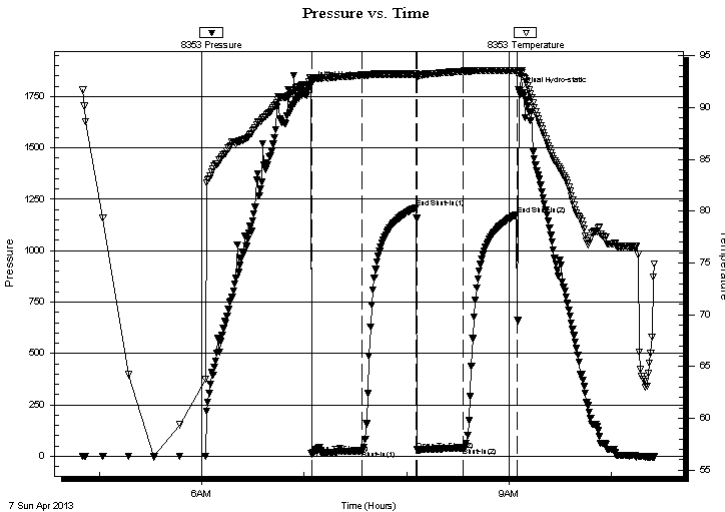
Start Time: 04:50:15 End Time: 10:25:45

Time On Btm: 2013.04.07 @ 07:04:00

Time Off Btm: 2013.04.07 @ 09:06:00

**TEST COMMENT:** 30 IF; Built to 1/4"  
30 IS; No Blow  
30 FF; Built to 1/4"  
30 FS; No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.34	92.90	Initial Hydro-static
1	14.98	92.67	Open To Flow (1)
30	27.34	93.12	Shut-In(1)
62	1209.78	93.23	End Shut-In(1)
62	31.04	92.98	Open To Flow (2)
89	41.76	93.50	Shut-In(2)
121	1175.83	93.57	End Shut-In(2)
122	1773.18	93.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW 10%O 30%M 60%W	0.31
2.00	Oil	0.01

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Baird Oil Co. LLC

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**Weiser-Field Unit #1-23**

**23-3s-22w Norton, KS**

Job Ticket: 50645

**DST#: 1**

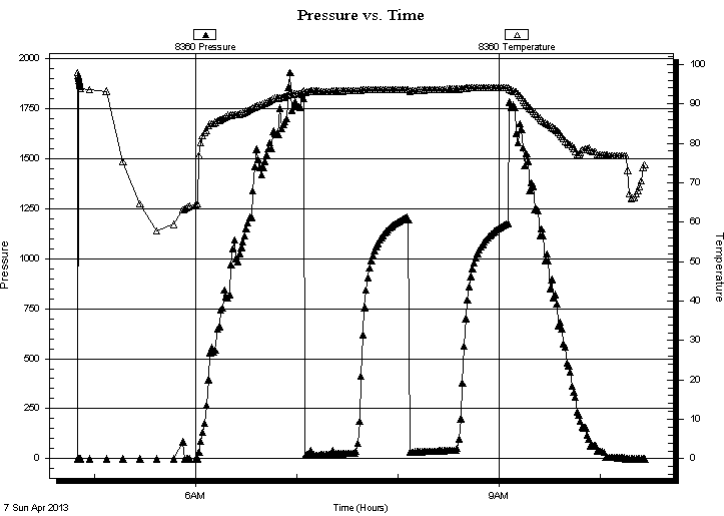
Test Start: 2013.04.07 @ 04:50:00

### GENERAL INFORMATION:

Formation: **LKC A**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 07:04:30 Tester: Wilbur Steinbeck  
 Time Test Ended: 10:25:45 Unit No: 44  
 Interval: **3640.00 ft (KB) To 3656.00 ft (KB) (TVD)** Reference Elevations: 2398.00 ft (KB)  
 Total Depth: 3656.00 ft (KB) (TVD) 2390.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

**Serial #: 8360 Inside**  
 Press @ Run Depth: psig @ 3641.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.04.07 End Date: 2013.04.07 Last Calib.: 2013.04.07  
 Start Time: 04:50:05 End Time: 10:25:59 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30 IF; Built to 1/4"  
 30 IS; No Blow  
 30 FF; Built to 1/4"  
 30 FS; No Blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW 10%O 30%M 60%W	0.31
2.00	Oil	0.01

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Baird Oil Co. LLC

**Weiser-Field Unit #1-23**

PO Box 428  
Logan KS 67646

**23-3s-22w Norton,KS**

Job Ticket: 50645

**DST#: 1**

ATTN: Richard Bell

Test Start: 2013.04.07 @ 04:50:00

## Tool Information

Drill Pipe:	Length: 3509.00 ft	Diameter: 3.80 inches	Volume: 49.22 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 49.81 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3640.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	35.00 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			3626.00	
Hydraulic tool	5.00			3631.00	
Packer	5.00			3636.00	19.00 Bottom Of Top Packer
Packer	4.00			3640.00	
Stubb	1.00			3641.00	
Recorder	0.00	8360	Inside	3641.00	
Recorder	0.00	8353	Outside	3641.00	
Perforations	12.00			3653.00	
Bullnose	3.00			3656.00	16.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>35.00</b>				





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Co. LLC

**Weiser-Field Unit #1-23**

PO Box 428  
Logan KS 67646

**23-3s-22w Norton,KS**

Job Ticket: 50645

**DST#: 1**

ATTN: Richard Bell

Test Start: 2013.04.07 @ 04:50:00

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	OMCW 10%O 30%M 60%W	0.310
2.00	Oil	0.010

Total Length: 65.00 ft      Total Volume: 0.320 bbl

Num Fluid Samples: 0

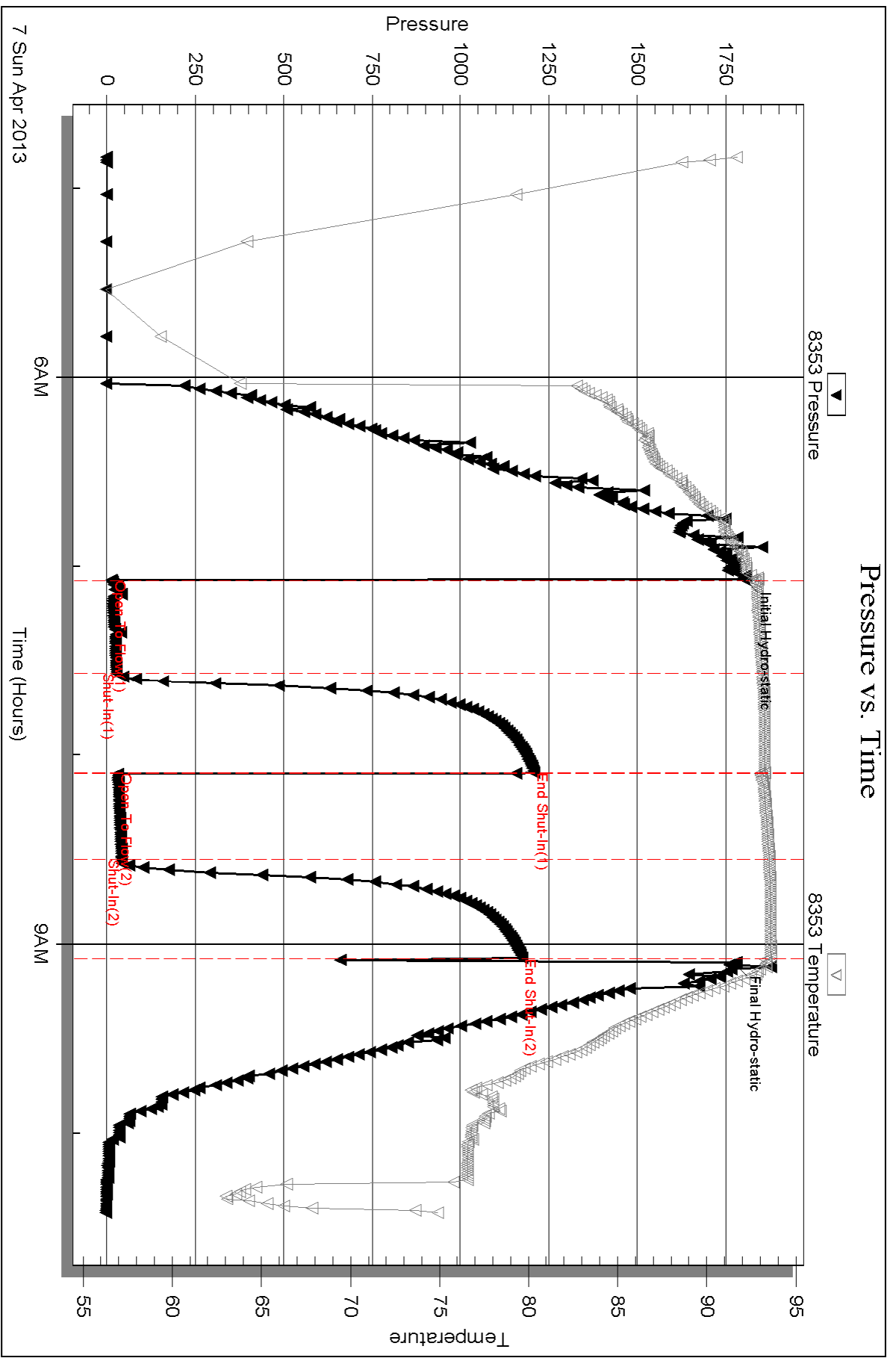
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



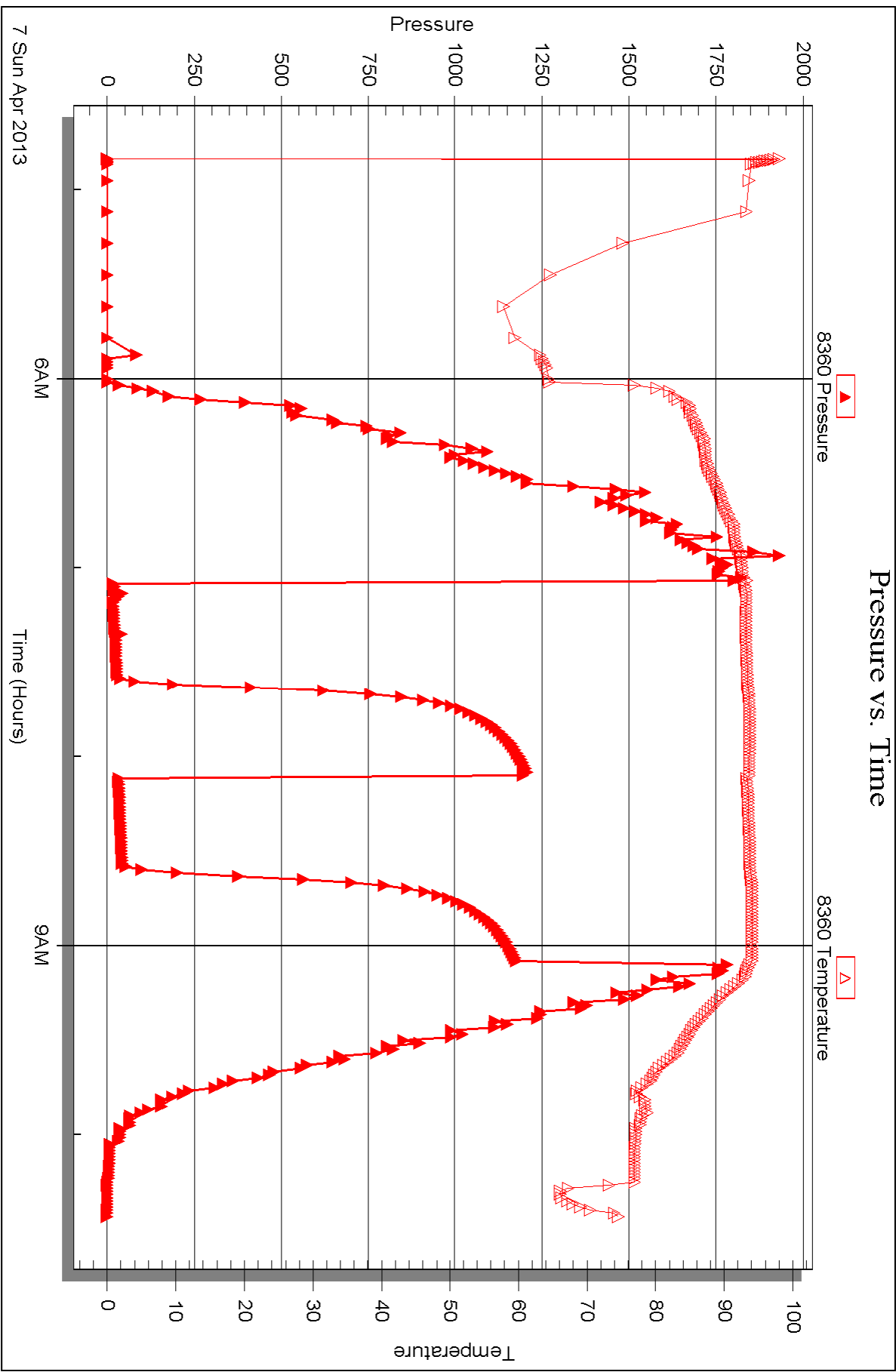
Serial #: 8360

Inside

Baird Oil Co. LLC

23-35-22w Norton KS

DST Test Number: 1





## DRILL STEM TEST REPORT

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

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**23-3s-22w Norton,KS**

**Weiser-Field Unit #1-23**

Start Date: 2013.04.07 @ 18:00:00

End Date: 2013.04.08 @ 00:25:45

Job Ticket #: 50646                      DST #: 2

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

Printed: 2013.04.12 @ 15:34:01



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Co. LLC

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**Weiser-Field Unit #1-23**

**23-3s-22w Norton,KS**

Job Ticket: 50646

**DST#: 2**

Test Start: 2013.04.07 @ 18:00:00

## GENERAL INFORMATION:

Formation: **LKC D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:33:45

Time Test Ended: 00:25:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 44

**Interval: 3686.00 ft (KB) To 3704.00 ft (KB) (TVD)**

Reference Elevations: 2398.00 ft (KB)

Total Depth: 3704.00 ft (KB) (TVD)

2390.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8353 Outside**

Press @ Run Depth: 97.90 psig @ 3687.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.07

End Date: 2013.04.08

Last Calib.: 2013.04.08

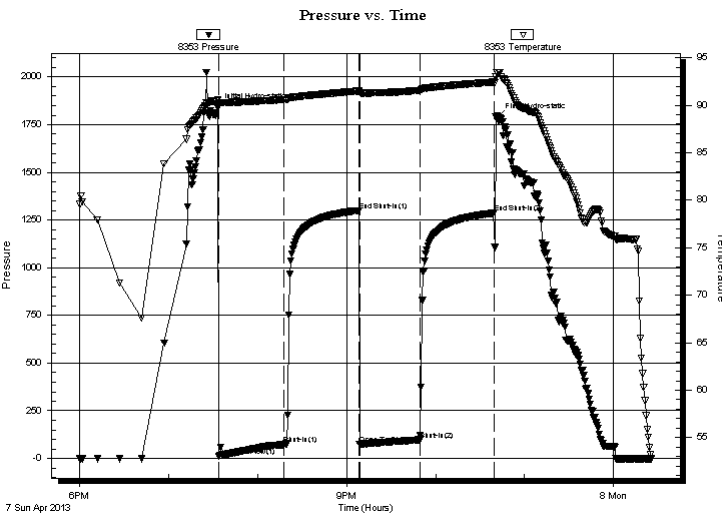
Start Time: 18:00:15

End Time: 00:25:45

Time On Btm: 2013.04.07 @ 19:33:15

Time Off Btm: 2013.04.07 @ 22:41:45

**TEST COMMENT:** 45 IF; Built to 6"  
45 IS; No Blow  
45 FF; Built to 3 1/4"  
45 FS; No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.75	90.55	Initial Hydro-static
1	12.77	90.18	Open To Flow (1)
45	72.65	90.59	Shut-In(1)
95	1298.97	91.49	End Shut-In(1)
96	74.87	91.29	Open To Flow (2)
136	97.90	91.56	Shut-In(2)
186	1286.44	92.44	End Shut-In(2)
189	1784.79	93.41	Final Hydro-static

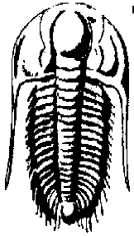
## Recovery

Length (ft)	Description	Volume (bbl)
180.00	MCW 15%M 85%W	1.43

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Co. LLC

**Weiser-Field Unit #1-23**

PO Box 428  
Logan KS 67646

**23-3s-22w Norton,KS**

ATTN: Richard Bell

Job Ticket: 50646

**DST#: 2**

Test Start: 2013.04.07 @ 18:00:00

## GENERAL INFORMATION:

Formation: **LKC D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:33:45

Time Test Ended: 00:25:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 44

**Interval: 3686.00 ft (KB) To 3704.00 ft (KB) (TVD)**

Reference Elevations: 2398.00 ft (KB)

Total Depth: 3704.00 ft (KB) (TVD)

2390.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8360**

**Inside**

Press @ RunDepth: psig @ 3687.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.07

End Date:

2013.04.08

Last Calib.:

2013.04.08

Start Time: 18:00:05

End Time:

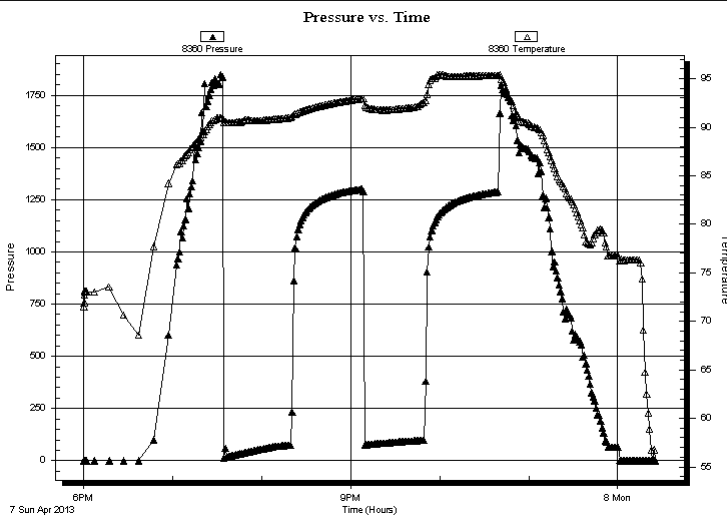
00:25:59

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 45 IF; Built to 6"  
45 IS; No Blow  
45 FF; Built to 3 1/4"  
45 FS; No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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## Recovery

Length (ft)	Description	Volume (bbl)
180.00	MCW 15%M 85%W	1.43

## 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 Co. LLC

**Weiser-Field Unit #1-23**

PO Box 428  
Logan KS 67646

**23-3s-22w Norton,KS**

Job Ticket: 50646

**DST#: 2**

ATTN: Richard Bell

Test Start: 2013.04.07 @ 18:00:00

## Tool Information

Drill Pipe:	Length: 3569.00 ft	Diameter: 3.80 inches	Volume: 50.06 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.65 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3686.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3672.00	
Hydraulic tool	5.00			3677.00	
Packer	5.00			3682.00	19.00 Bottom Of Top Packer
Packer	4.00			3686.00	
Stubb	1.00			3687.00	
Recorder	0.00	8360	Inside	3687.00	
Recorder	0.00	8353	Outside	3687.00	
Perforations	14.00			3701.00	
Bullnose	3.00			3704.00	18.00 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

**Weiser-Field Unit #1-23**

PO Box 428  
Logan KS 67646

**23-3s-22w Norton,KS**

Job Ticket: 50646

**DST#: 2**

ATTN: Richard Bell

Test Start: 2013.04.07 @ 18:00:00

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MCW 15%M 85%W	1.432

Total Length: 180.00 ft      Total Volume: 1.432 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

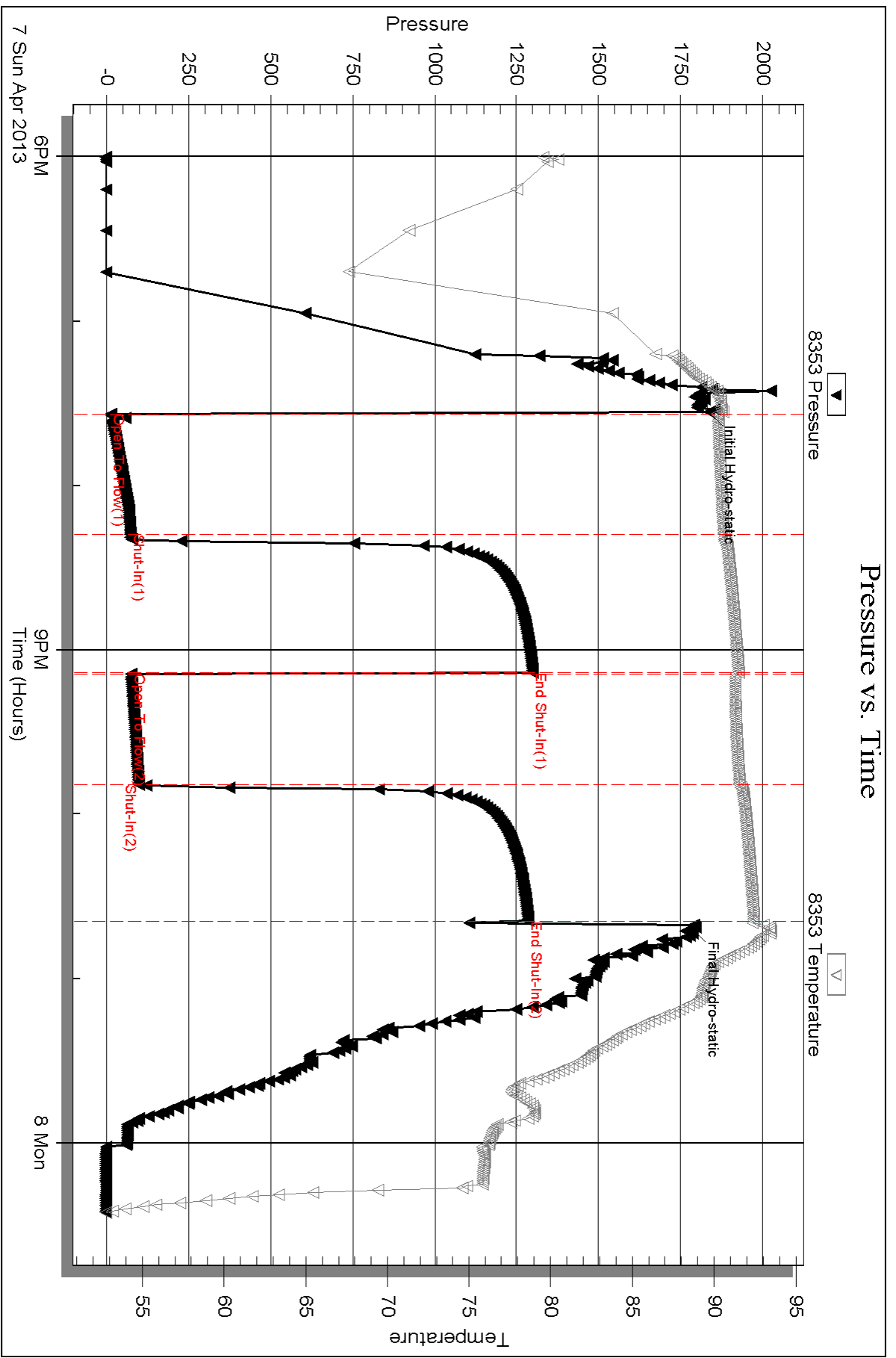
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .133@51 DEG F=75000





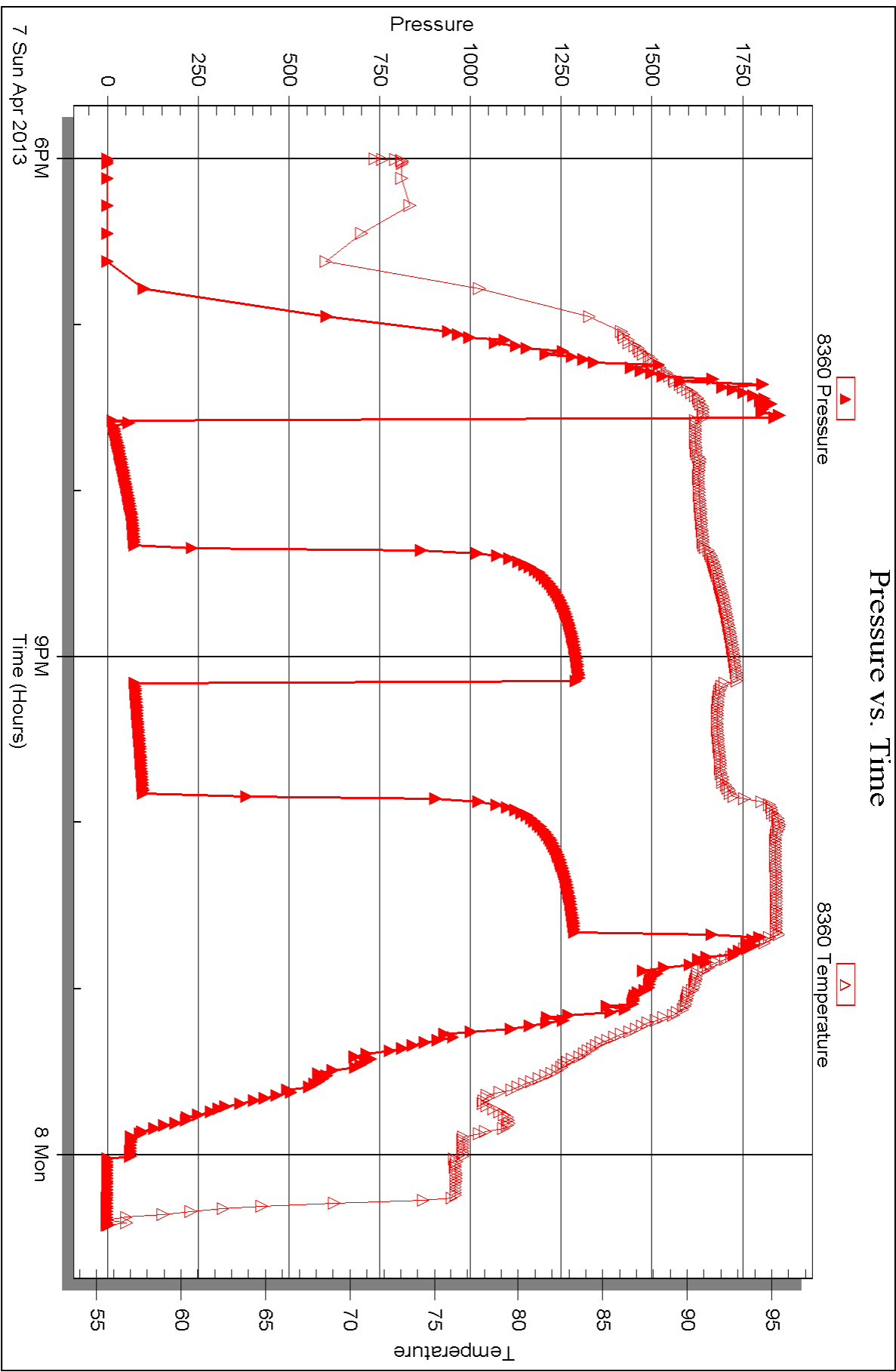
Serial #: 8360

Inside

Baird Oil Co. LLC

23-3s-22w Norton KS

DST Test Number: 2





## DRILL STEM TEST REPORT

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

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**23-3s-22w Norton,KS**

**Weiser-Field Unit #1-23**

Start Date: 2013.04.08 @ 14:25:00

End Date: 2013.04.08 @ 18:29:30

Job Ticket #: 50647                      DST #: 3

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

Printed: 2013.04.12 @ 15:31:46



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Co. LLC

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**Weiser-Field Unit #1-23**

**23-3s-22w Norton,KS**

Job Ticket: 50647

**DST#: 3**

Test Start: 2013.04.08 @ 14:25:00

## GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:04:00

Time Test Ended: 18:29:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 44

**Interval: 3772.00 ft (KB) To 3805.00 ft (KB) (TVD)**

Reference Elevations: 2398.00 ft (KB)

Total Depth: 3805.00 ft (KB) (TVD)

2390.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8353 Outside**

Press @ Run Depth: 13.58 psig @ 3773.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.08

End Date: 2013.04.08

Last Calib.: 2013.04.08

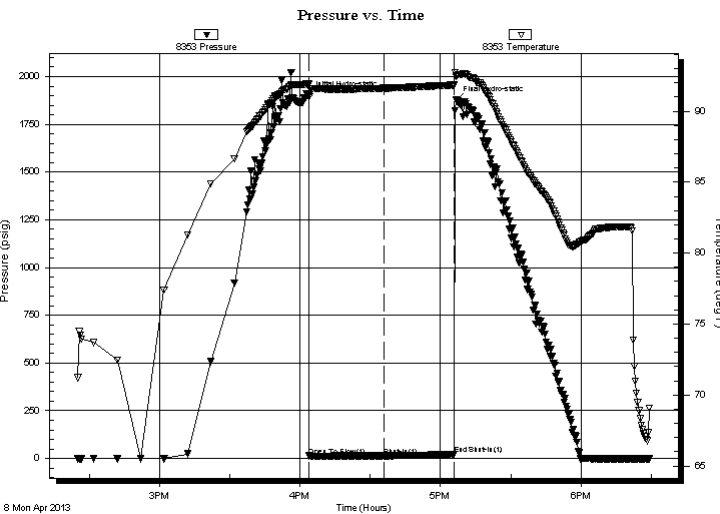
Start Time: 14:25:15

End Time: 18:29:30

Time On Btm: 2013.04.08 @ 16:03:45

Time Off Btm: 2013.04.08 @ 17:06:45

**TEST COMMENT:** 30 IF; Surface Blow died in 20 min  
30 IS; No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1901.98	91.91	Initial Hydro-static
1	13.34	91.04	Open To Flow (1)
32	13.58	91.63	Shut-In(1)
63	20.81	91.85	End Shut-In(1)
63	1876.47	92.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Baird Oil Co. LLC

PO Box 428  
Logan KS 67646

ATTN: Richard Bell

**Weiser-Field Unit #1-23**

**23-3s-22w Norton, KS**

Job Ticket: 50647

**DST#: 3**

Test Start: 2013.04.08 @ 14:25:00

## GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:04:00

Time Test Ended: 18:29:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Wilbur Steinbeck

Unit No: 44

**Interval: 3772.00 ft (KB) To 3805.00 ft (KB) (TVD)**

Reference Elevations: 2398.00 ft (KB)

Total Depth: 3805.00 ft (KB) (TVD)

2390.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8360 Inside**

Press @ Run Depth: psig @ 3773.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.08

End Date: 2013.04.08

Last Calib.: 2013.04.08

Start Time: 14:25:05

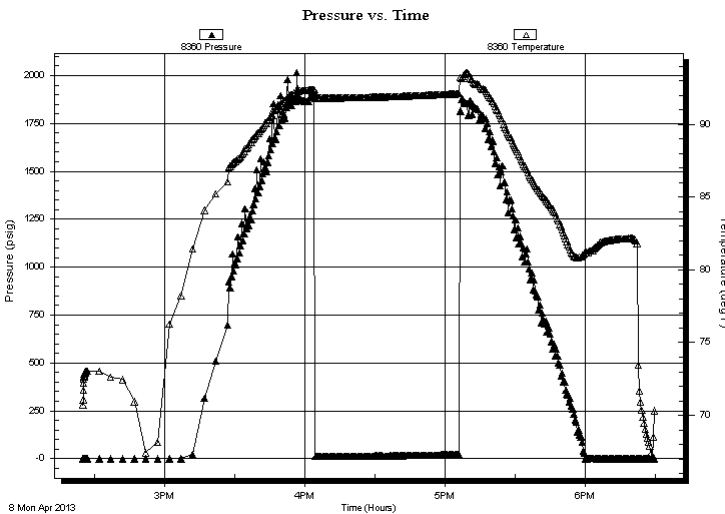
End Time: 18:29:30

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30 IF; Surface Blow died in 20 min  
30 IS; No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.00

## 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 Co. LLC

**Weiser-Field Unit #1-23**

PO Box 428  
Logan KS 67646

**23-3s-22w Norton,KS**

Job Ticket: 50647

**DST#: 3**

ATTN: Richard Bell

Test Start: 2013.04.08 @ 14:25:00

## Tool Information

Drill Pipe:	Length: 3664.00 ft	Diameter: 3.80 inches	Volume: 51.40 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 51.99 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3772.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3758.00	
Hydraulic tool	5.00			3763.00	
Packer	5.00			3768.00	19.00 Bottom Of Top Packer
Packer	4.00			3772.00	
Stubb	1.00			3773.00	
Recorder	0.00	8360	Inside	3773.00	
Recorder	0.00	8353	Outside	3773.00	
Perforations	29.00			3802.00	
Bullnose	3.00			3805.00	33.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>52.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Baird Oil Co. LLC

**Weiser-Field Unit #1-23**

PO Box 428  
Logan KS 67646

**23-3s-22w Norton,KS**

Job Ticket: 50647

**DST#: 3**

ATTN: Richard Bell

Test Start: 2013.04.08 @ 14:25:00

**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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

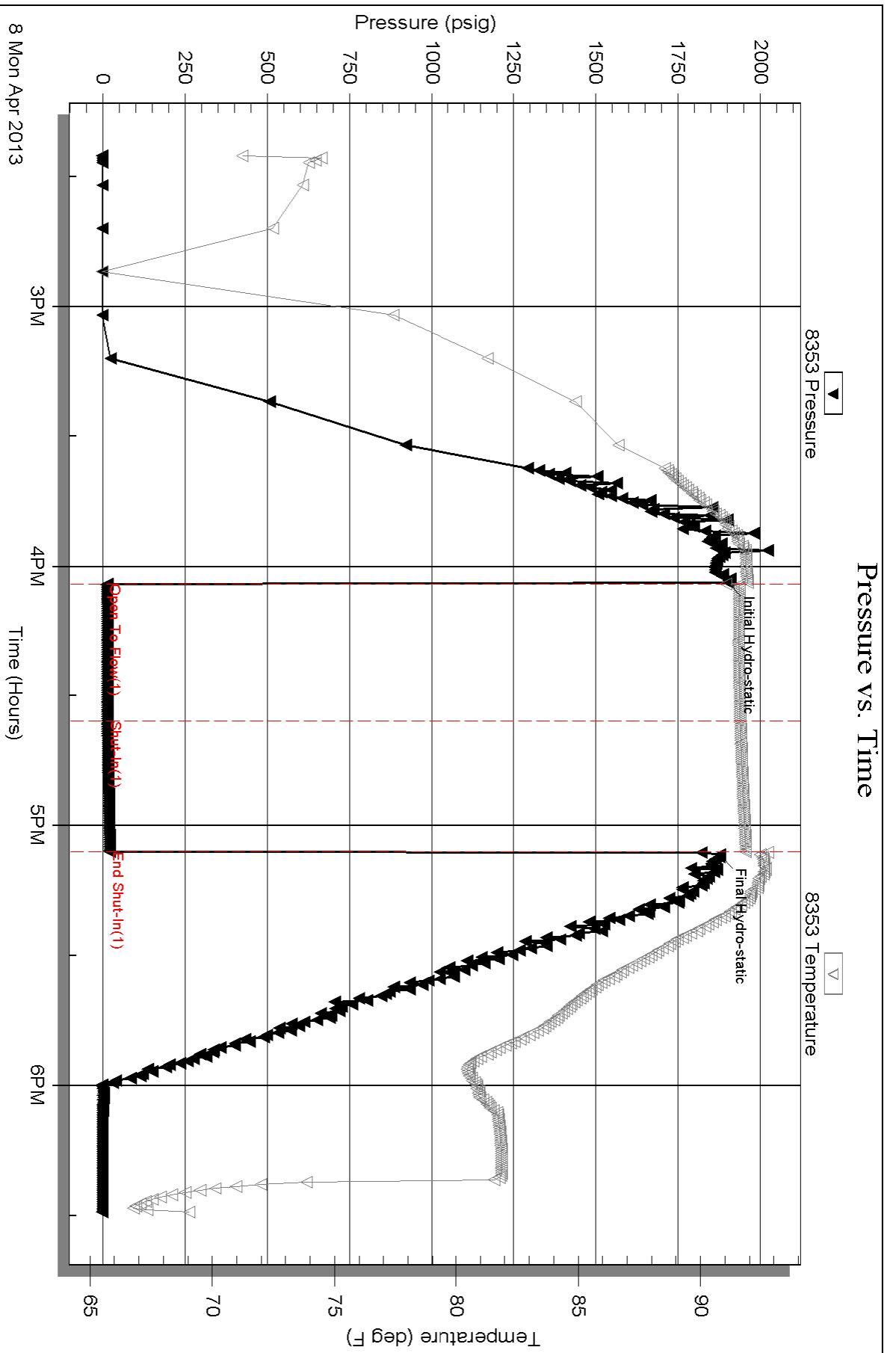
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





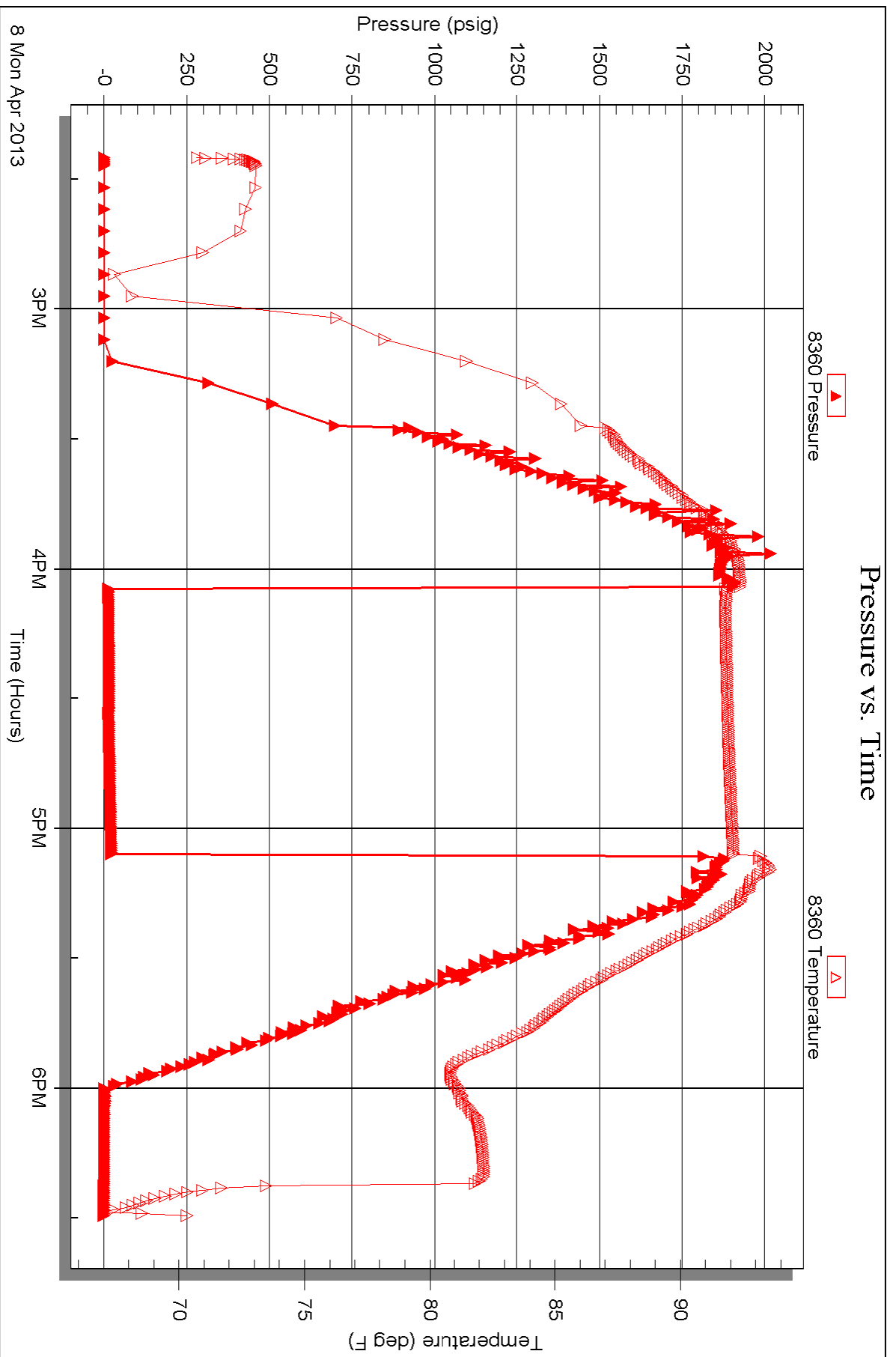
Serial #: 8360

Inside

Baird Oil Co. LLC

23-35-22w Norton KS

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50645

Well Name & No. Weiser - Field Unit 1-23 Test No. 1 Date 4-7-13  
 Company Baird oil Co LLC Elevation ~~22308~~ 2390 KB 2390 GL  
 Address 113 W Main PO Box 428 Logan KS 67646  
 Co. Rep / Geo. Rich Bell Rig WW 12  
 Location: Sec. 23 Twp. 3s Rge. 22w Co. Norton State KS

Interval Tested 3640 3656 Zone Tested LKC A  
 Anchor Length 16 Drill Pipe Run 3,509 Mud Wt. 9.1  
 Top Packer Depth 3635 Drill Collars Run 120 Vis 60  
 Bottom Packer Depth 3640 Wt. Pipe Run 0 WL 5.6  
 Total Depth 3656 Chlorides 900 ppm System LCM 1 1/2

Blow Description 1F; Built to 14  
1st; No blow  
1F; Built to 14  
1st; No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>oil</u>	<u>100</u>			
<u>63</u>	<u>OSMCW</u>	<u>10</u>	<u>60</u>	<u>30</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 94° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1,802  Test 1150 T-On Location 4:25  
 (B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 4:50  
 (C) First Final Flow 27  Safety Joint \_\_\_\_\_ T-Open 7:06  
 (D) Initial Shut-In 1,210  Circ Sub NA T-Pulled 9:06  
 (E) Second Initial Flow 31  Hourly Standby \_\_\_\_\_ T-Out 10:25  
 (F) Second Final Flow 42  Mileage 100 RT 155  
 (G) Final Shut-In 1,176  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1,773  Straddle \_\_\_\_\_

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_  
 Final Flow 30  Day Standby \_\_\_\_\_  
 Final Shut-In 30  Accessibility \_\_\_\_\_  
 Sub Total 1305

Approved By \_\_\_\_\_ Our Representative [Signature]

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50646

Well Name & No. Weiser-Field Unit 1-23 Test No. 2 Date 4-7-13  
 Company Baird Oil Co LLC Elevation 2398 KB 2390 GL  
 Address PO Box 428 Logan Ks 67646  
 Co. Rep / Geo. Rich Bell Rig WW 12  
 Location: Sec. 23 Twp. 3s Rge. 22w Co. Norton State Ks

Interval Tested 3686 3704 Zone Tested LKC 'D'  
 Anchor Length 18 Drill Pipe Run 3569 Mud Wt. 9.1  
 Top Packer Depth 3681 Drill Collars Run 120 Vis 60  
 Bottom Packer Depth 3686 Wt. Pipe Run 0 WL 5.6  
 Total Depth 3704 Chlorides 900 ppm System LCM 1 1/2

Blow Description 1F; Built to 6"  
1S1; No blow  
FF; Built to 3 1/4"  
F51; No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>MW</u>		<u>85</u>	<u>15</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 180 BHT 93° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1837  Test 1150 T-On Location 5:15 pm  
 (B) First Initial Flow 13  Jars \_\_\_\_\_ T-Started 6:00 pm  
 (C) First Final Flow 73  Safety Joint \_\_\_\_\_ T-Open 7:27 pm  
 (D) Initial Shut-In 1299  Circ Sub NA T-Pulled 10:27 pm  
 (E) Second Initial Flow 75  Hourly Standby \_\_\_\_\_ T-Out 00:15  
 (F) Second Final Flow 98  Mileage 100 RT 155 Comments \_\_\_\_\_  
 (G) Final Shut-In 1286  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1285  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 45  Day Standby \_\_\_\_\_ Total 1305  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1305

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50647

Well Name & No. Weiser - Field Unit 1-23 Test No. 3 Date 4-8-13  
 Company Baird Oil Co. LLC Elevation 2398 KB 2390 GL  
 Address PO Box 428 Logan KS 67646  
 Co. Rep / Geo. Rich Bell Rig LKW 12  
 Location: Sec. 23 Twp. 3s Rge. 22W Co. Norton State KS

Interval Tested 3772 3805 Zone Tested LRC 'J'  
 Anchor Length 33 Drill Pipe Run 3664 Mud Wt. 9.3  
 Top Packer Depth 3767 Drill Collars Run 120 Vis 5.5  
 Bottom Packer Depth 3772 Wt. Pipe Run 0 WL 6.6  
 Total Depth 3805 Chlorides 1500 ppm System LCM 1  
 Blow Description 1F: Surface blow Died in 20 min.  
151: No blow  
FP: =  
FSI: =

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Med</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 1 BHT 920 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1901  Test 1150 T-On Location 13:35  
 (B) First Initial Flow 13  Jars \_\_\_\_\_ T-Started 14:25  
 (C) First Final Flow 14  Safety Joint \_\_\_\_\_ T-Open ~~14:55~~ 16:05  
 (D) Initial Shut-In 21  Circ Sub NA T-Pulled ~~17:30~~ 17:05  
 (E) Second Initial Flow ~~1876~~  Hourly Standby \_\_\_\_\_ T-Out 18:30  
 (F) Second Final Flow \_\_\_\_\_  Mileage 100 RT X 2 <sup>310</sup> Comments Loaded tools  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_ 9:40 AM on 4-9-13  
 (H) Final Hydrostatic 1876  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 1460  
 Final Flow -  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In - Sub Total 1460

Approved By \_\_\_\_\_ Our Representative [Signature]  
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