



1164205

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

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

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Velma Lowry 2-34
Doc ID	1164205

Tops

Name	Top	Datum
Anhydrite	2009	+316
Base Anhydrite	2039	+286
Topeka	3315	-990
Heebner	3524	-1199
Toronto	3550	-1225
Lansing	3568	-1243
Base Kansas City	3750	-1425
Marmaton	3785	-1460
Arbuckle	3820	-1495
Total Depth	3839	-1514

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

October 21, 2013

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

Re: ACO1
API 15-137-20670-00-00
Velma Lowry 2-34
NW/4 Sec.34-03S-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

APT# 15-137-20670-0000

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Baird Oil Company, L.L.C.</u>	ELEVATION
LEASE <u>Velma Lowry # 2-34</u>	KB <u>2325'</u>
FIELD <u>Wildcat</u>	DF <u>2323'</u>
LOCATION <u>1840' FNL & 1675' FNL</u>	GI <u>2317'</u>
SEC <u>34</u> TWP <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>Wild Drilling Rig #12</u>	CASING
SPUD <u>9-30-13</u> COMP <u>10-6-13</u>	Surface <u>8 5/8" @ 222'</u>
SAMPLES SAVED FROM <u>3300'</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 E. Log	A	B	C	D
				•			
Anhydrite	2010	2009 +	316	+ 315			
Base Anhydrite	2041	2039 +	286	+ 289			
Topeka	3315	3315 -	990	- 983			
Heebner	3525	3524 -	1199	- 1192			
Taranta	3551	3550 -	1225	- 1219			
Lansing	3569	3568 -	1243	- 1235			
Base Kansas City	3750	3750 -	1425	- 1420			
Marmaton	3785	3785 -	1460	- 1457			
Arbuckle	3820	3820 -	1495	- 1486			
Total Depth	3840	3839 -	1514	- 1611			

REFERENCE WELLS

1. Baird Oil Co., Velma Lowry #1-34, 1110' FNL & 2600' FNL Sec. 34-35-22W

2.
3.
4.

REMARKS

This well ran 8 feet lower on the Lansing top than the reference well. After evaluating all pertinent information it was decided no further testing was warranted. The well was plugged and abandoned.

Richard B. Bell
10-6-13

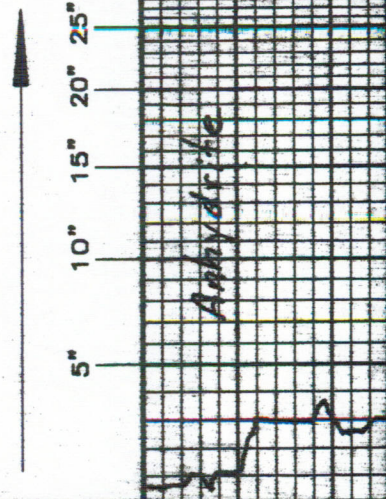
7502

LEGEND

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

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



DEPTH

2000

20

LITHOLOGY

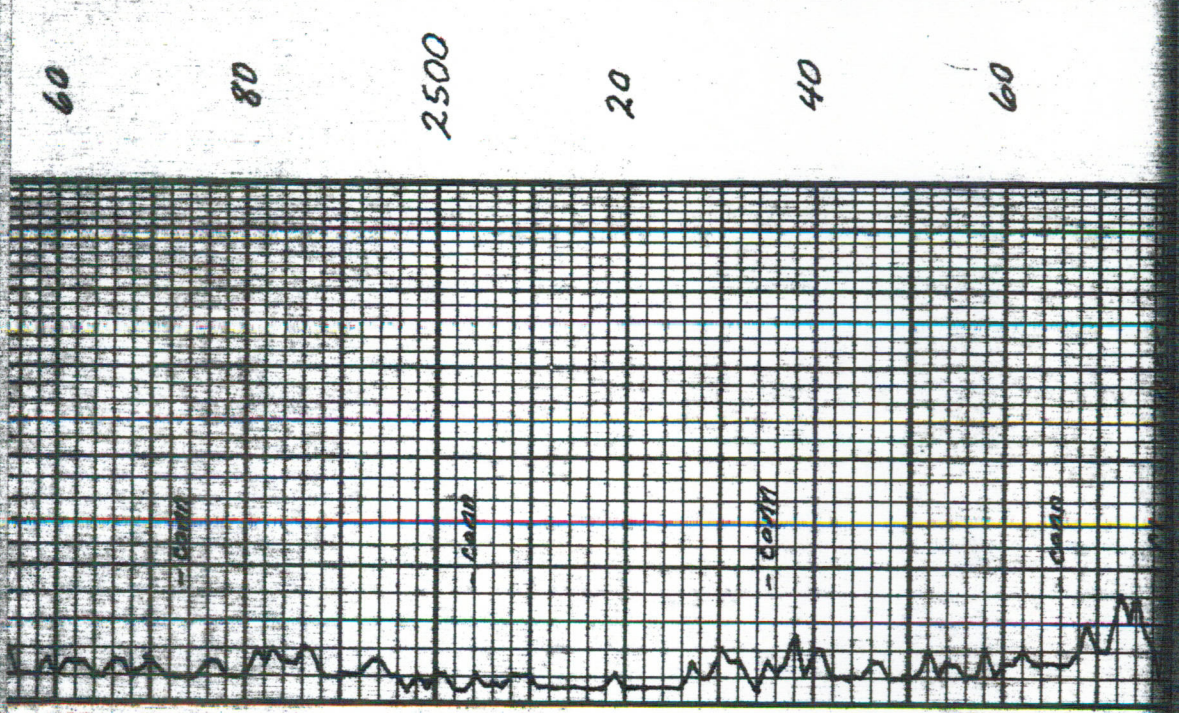
SAMPLE DESCRIPTIONS

OIL SHOWS

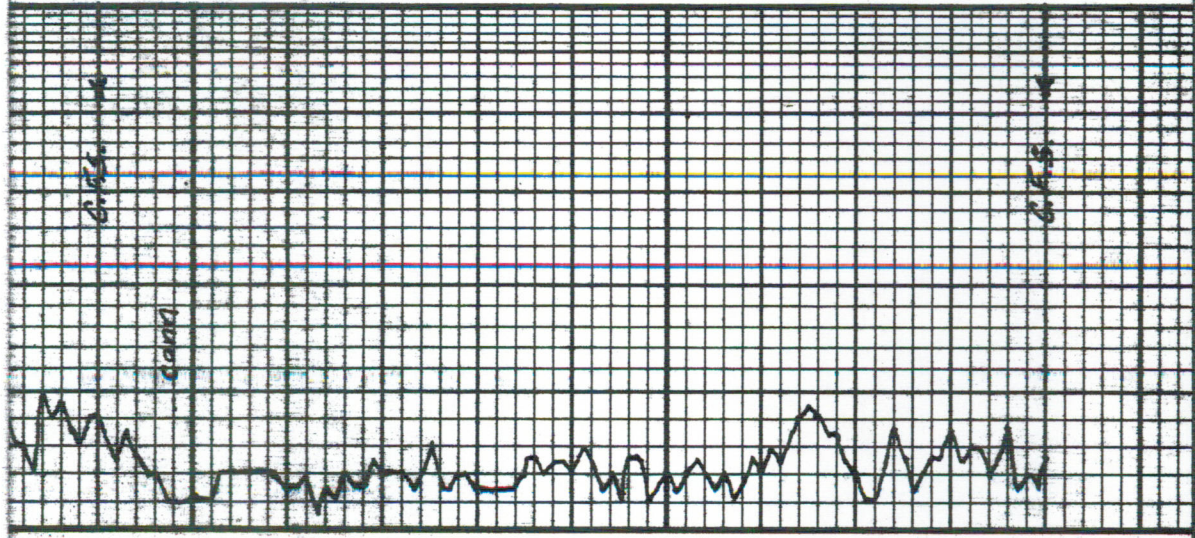
REMARKS

LOG 7710

sh:brn sly	60
sh:brn sly	
sh:brn R.T. Dol to fish das R.T. 50: 79 Sn-grn Consol inglen @ N.S.O.	80
sh:brn sly, Tr-gry sly	
"	2500
"	
"	20
sh:brn sly Tr ss: to-gry fin gr. Consol, ingren @ N.S.O. Tr Dol: to fish das N.S.O.	40
sh:brn sly, gry sly	
sh:brn sly	60
Tr. Dol: gry fish das	



sh:brn sly
sh:brn sly
sh:brn R.T. Dol to fish das
R.T. 50: 79 Sn-grn Consol
inglen @ N.S.O.
sh:brn sly, Tr-gry sly
"
"
"
sh:brn sly Tr ss: to-gry
fin gr. Consol, ingren @ N.S.O.
Tr Dol: to fish das N.S.O.
sh:brn sly, gry sly
sh:brn sly
Tr. Dol: gry fish das



2600	20	40	60	80	2700
Dol: tn-gry fxln dns N.S.O. No cut	SS: fn-ht-gry fn gn Consol. ingrah & N.S.O. sh:brn	sh:brn stky	" "	" "	sh:brn stky S.S.: wk-ht-gry v-fn-gn-Consol. ingrah & N.S.O.
Dol: tn-gry-gry fxln dns N.S.O. No cut Tr Δ wk	Dol: tn-ht-gry fxln dns N.S.O. No cut	SS: gry dolio-fn gn Consol. ingrah & N.S.O.			

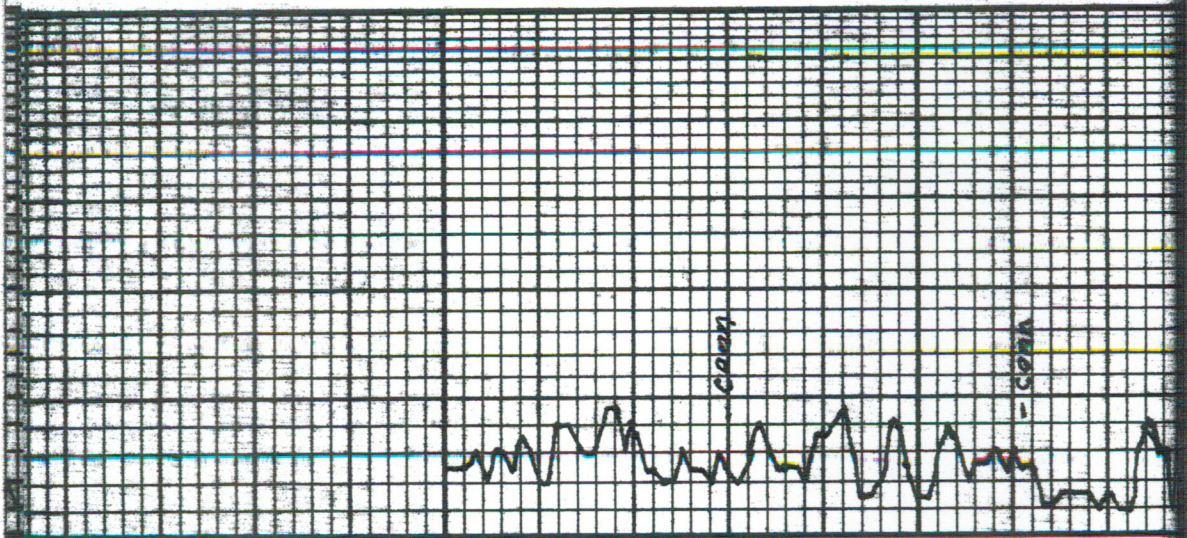


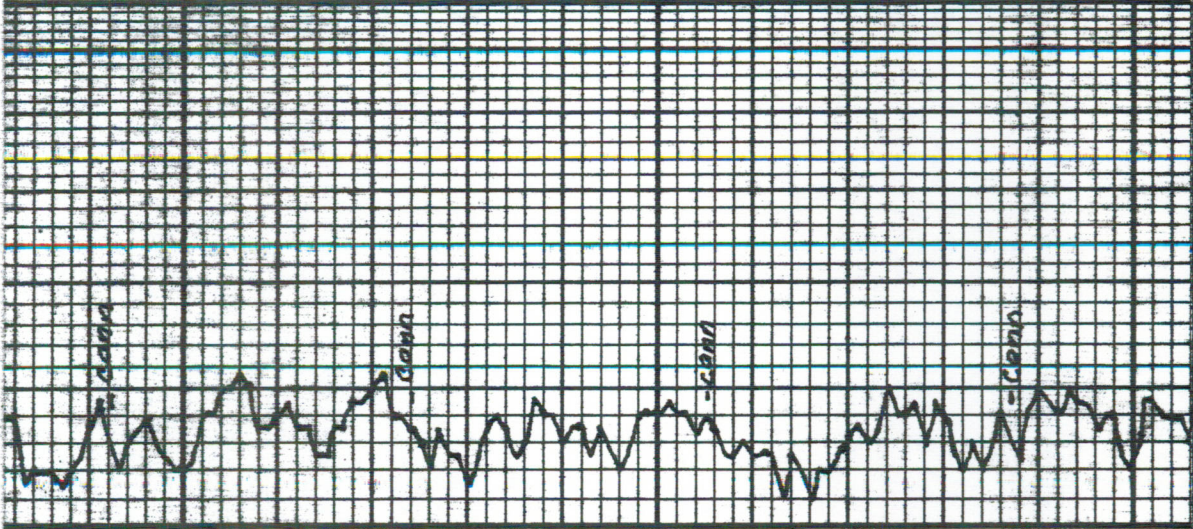
3100

20

40

60





3200

20

40

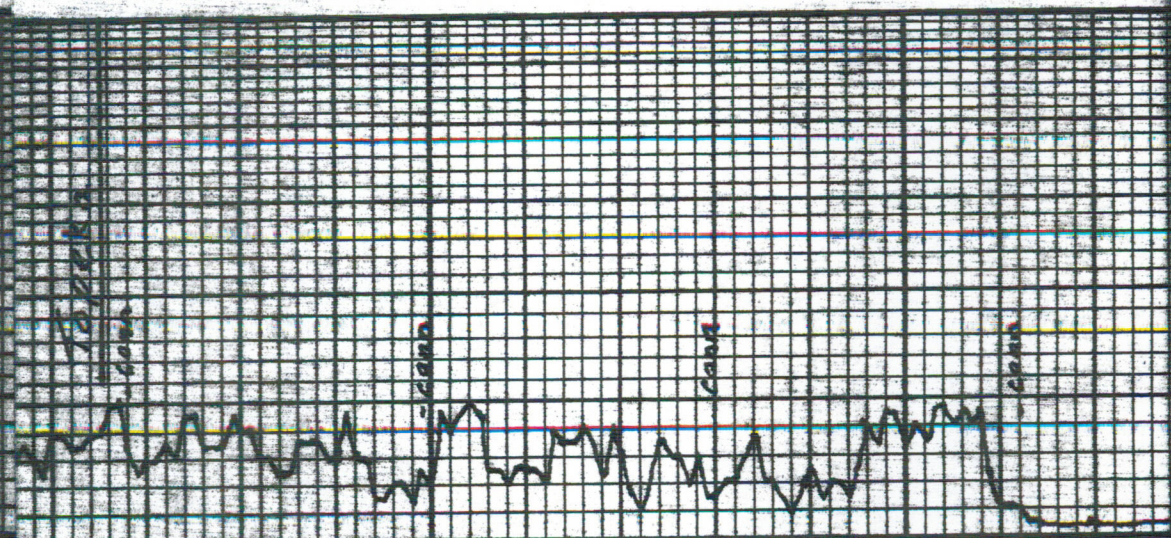
60

80

3300

LS: frequency f_{in} - si. 9.518 dms.
MSQ

Sh: 9.94
LS: 9.94 - frequency f_{in} - 9.94
dms. - MSQ



20

40

60

80

3400

20

sh:brn sltgy
15:wh-tk slt cky-feln dms
sh:brn dms
15:wh-tk slt dms
15:wh-tk feln dms N.S.O.
15:wh-tk slt cky-feln -slr feln Tr. pr. pp N.S.O.
sh:brn sltgy
To 15:wh.
sh:brn sltgy.
15:wh-tk cky-feln slt.ool pp N.S.O. N.S.O.
15:wh-tk cky-feln slt.ool pp N.S.O. N.S.O.
15:wh-tk cky-feln dms 15:grly feln dms
sltstone: brn

40

60

80

3500

20

40

v. sh. brn

LS: wh. to fcln pv-pp @ N.S.O.

sh: brn slty

LS: wh. to cky-fcln sl. @ N.S.O.

Tr. blk Carb Sh.

LS: to-brn sl: cky-fcln pp @ N.S.O.

sh: brn & gry

LS: wh. to cky-fcln ool-sub @ N.S.O.

LS: to-lt. gry fx/ndns

Sh: B/K Carb.

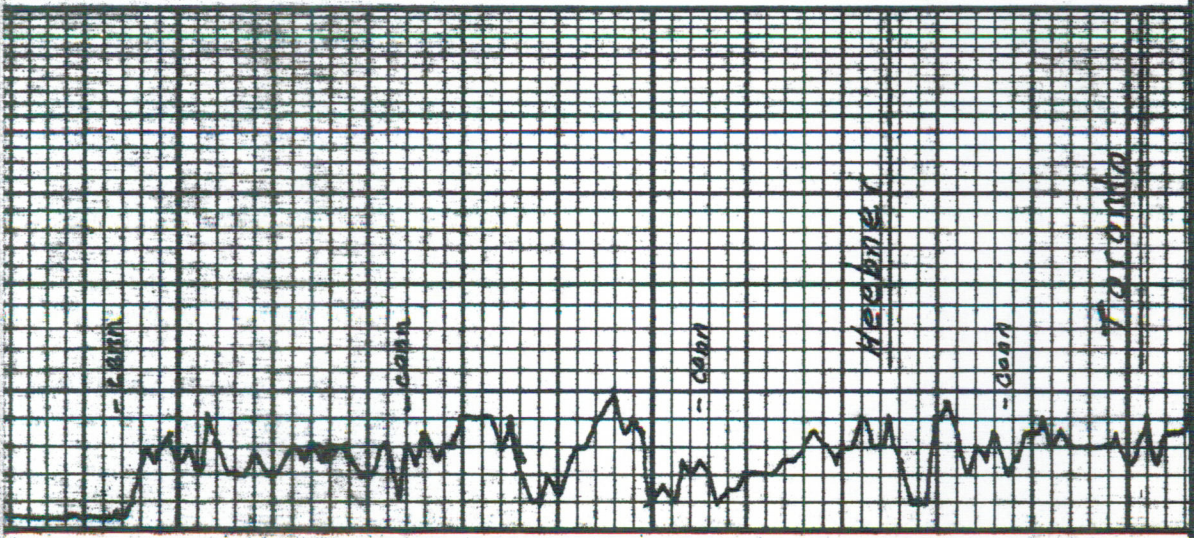
LS: to-lt. gry B/H dms

sltstone: gry + brn

LS: wh. to fcln dms N.S.O.

Windy. No Pipe Strap
Incline @ 3580' 1/2°

DST# 1 3557-3580'



- corn

- corn

- corn

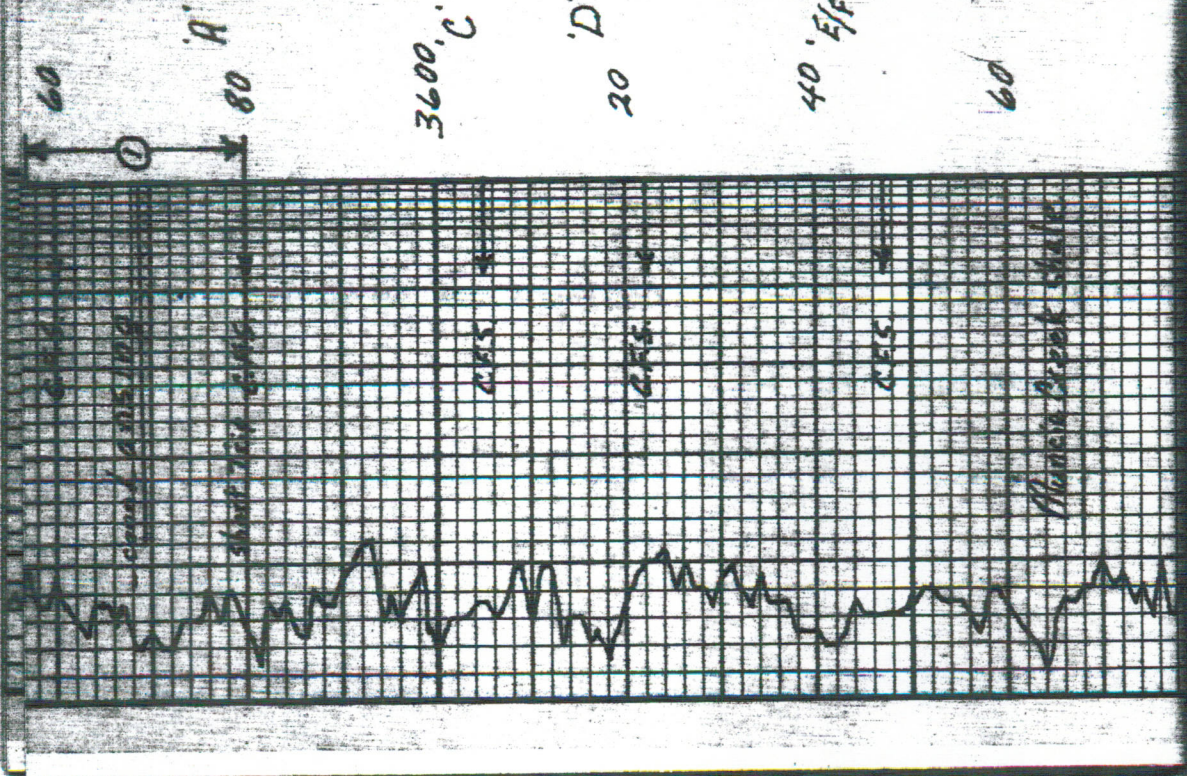
Hessling

- corn

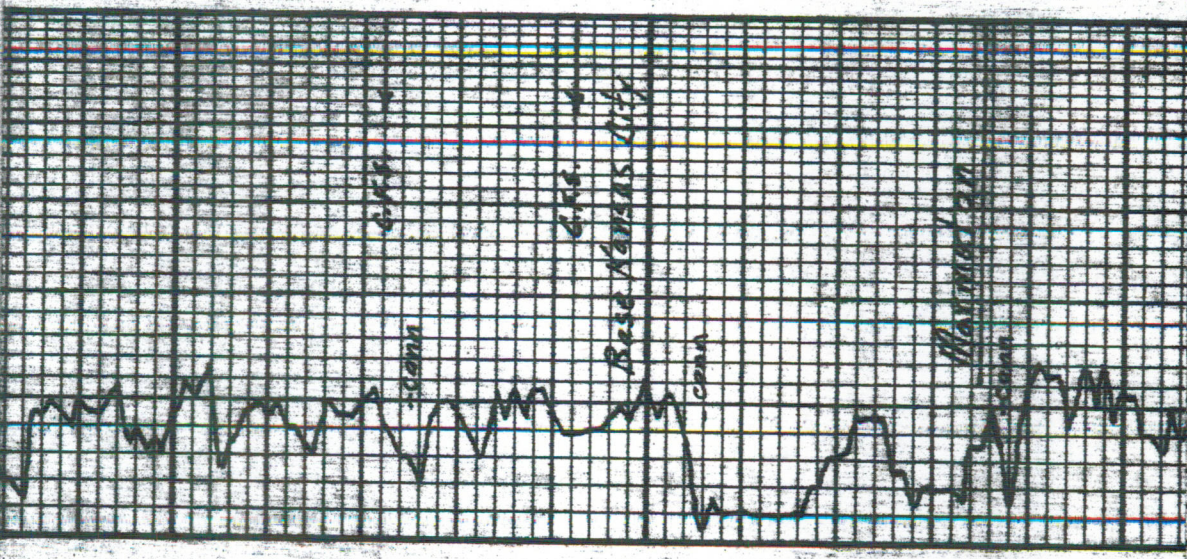
Tarama

45-45-45 T-4
 If not blow into to 5
 ISI: No blow
 FF: No blow
 FSI: No blow
 Recovery: 122. Total
 2.01
 120 MW 60% w, 40% D
 Hyd: 1951-1798#
 FP: 16-70/77-100#
 BHP: 1224-1188#
 BH Temp: 97°F.
 Chlorides: 39,000ppm

sh: brn sly + gry	15: wh-tn sli: cky-feln dms ppp N.S.O. 3rd dms sly: pp No. increasing No. odor
15: wh-tn sli: cky-feln dms	15: wh-tn sli: cky-feln dms
15: wh-tn sli: cky-feln dms sh: brn sly	15: wh-tn sli: cky-feln dms N.S.O. No cut v. sly wh-tn ov.
15: wh-tn sli: cky-feln sli: fslf ppp N.S.O. No cut sly	15: wh-tn sli: cky-feln sli: fslf ppp N.S.O. No cut sly
sh: brn, gry, sly	15: wh-tn sli: cky-feln dms N.S.O.
sh: brn sly	15: wh-tn sli: cky-feln dms N.S.O.
15: wh-tn sli: cky-feln dms sly: cky-feln dms N.S.O. sh: brn + gry	15: wh-tn sli: cky-feln dms N.S.O.
15: wh-tn sli: cky-feln dms sly: cky-feln dms N.S.O.	15: wh-tn sli: cky-feln dms N.S.O.
15: wh-tn sli: cky-feln dms sly: cky-feln dms N.S.O.	15: wh-tn sli: cky-feln dms N.S.O.
15: wh-tn sli: cky-feln dms sly: cky-feln dms N.S.O.	15: wh-tn sli: cky-feln dms N.S.O.



60
 80
 3600
 20
 40
 60
 A
 C
 D
 E/F
 60



H
3700 J
20
'K'
40
'L'
60
80
3800

ans. n. s. o.	LS: wh-tn.cky-fxln das	LS: wh-tn.cky-fxln sub 001 ans N.S.O.
	v. slty: brn slty	sh: brn
	v. slty: brn slty	sh: brn
	LS: wh-tn.cky-fxln pr. ppp 14-fr. a shn fr. pp f.o. ar. adar sh: brn.	LS: wh-tn. slty- fch- sl. fr. sl. ool w/ fang. sh. wh. fr. pr. ppp. N.S.O. sh. fr. ppp on erushing fr. cut No odor
	sh: brn	sh: brn
	LS: wh-tn.cky-fxln pr. ppp ans N.S.O.	sh: brn
	sh: brn	sh: brn
	LS: wh-tn.cky-fxln pr. ppp ans N.S.O.	sh: brn
	sh: brn	sh: brn
	LS: wh-tn.cky-fxln pr. ppp ans N.S.O.	sh: brn
	sh: brn	sh: brn



DRILLING TIME MINUTES/FOOT	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
	<p>20</p> <p>40</p>	<p>Lithology patterns: horizontal lines, vertical lines, and diagonal lines.</p>	<p>55' - 60' - 65' - 70' - 75' - 80' - 85' - 90' - 95' - 100' - 105' - 110' - 115' - 120' - 125' - 130' - 135' - 140' - 145' - 150' - 155' - 160' - 165' - 170' - 175' - 180' - 185' - 190' - 195' - 200' - 205' - 210' - 215' - 220' - 225' - 230' - 235' - 240' - 245' - 250'</p> <p>Pol: white to - fat - by - water - shly invol: ϕ N.S. glauc. spks.</p>		

CONTRACTOR _____

LEASE _____ IP _____

ELEVATION _____ RTD _____

LOCATION _____

SEC _____ TWP _____ RNG _____

COUNTY _____ STATE _____

Global Cementing LLC dba SOS LLC

18048 I-70 Road
Russell, KS 67665

Invoice

Date	Invoice #
9/30/2013	1115

Bill To
BAIRD OIL COMPANY LLC PO BOX 428 LOGAN,KS 67646

P.O. No.	Terms	Project
VELMA LOWRY ...	Net 30	

Quantity	Description	Rate	Amount
150	COMMON	15.50	2,325.00
3	GEL	23.50	70.50
5	CALCIUM	53.00	265.00
158	HANDLING	2.10	331.80
	BULK MILEAGE	405.00	405.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	1,050.00	1,050.00
64	PUMP TRUCK MILEAGE	6.50	416.00
64	PICKUP	2.50	160.00
	DEDUCT 15% FROM TOTAL IF PAID WITHIN 30 DAYS OF INVOICE NORTON CO	7.05%	0.00

R10/14/2013
P10/15/2013

V Lowry 190402 4269.80
Velma Lowry 2-34 - Pump charge,
Cement & other misc used to cement
surface casing

10/15/2013
CK#13874

Thank you for your business.

Total

\$5,023.30

Phone #	Fax #	E-mail
785-324-2658	785-445-3526	globalcementingllc@gmail.com

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1115

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS - 110x, 9/13

DATE <u>9-30-13</u>	SEC. <u>34</u>	TWP. <u>3</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>5:15pm</u>	JOB FINISH <u>5:45pm</u>
LEASE <u>Velma Lowry</u> WELL #. <u>2-34</u> LOCATION						COUNTY <u>Norton</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR WJW #12

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 223

CASING SIZE 8 5/8 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 300psi MINIMUM 100psi

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20ft

PERFS

DISPLACEMENT 12.9 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

P1 HELPER Coat

BULK TRUCK

P1 DRIVER Jay

BULK TRUCK

DRIVER

REMARKS:

Ran 5 hrs of 8 5/8 casing and
landing it

Est Circulation

mixed 150sr and disp 12.9 bbl of
H2O - Shut-in @ 300psi

CHARGE TO: Baird Oil Company

STREET

CITY STATE ZIP

Schippers Oil Field Services, L.L.C.,
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Calvin Pharrishel

SIGNATURE Calvin Pharrishel

OWNER

CEMENT AMOUNT ORDERED 150 x com 3% (2% gel)

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 139118

Invoice Date: Oct 6, 2013

Page: 1

Bill To:

Baird Oil Company LLC
P O Box 428
Logan, KS 67646

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Baird	54801	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Russell	Oct 6, 2013	11/5/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Velma-Lowry #2-34		
153.00	CEMENT MATERIALS	Class A Common	17.90	2,738.70
102.00	CEMENT MATERIALS	Pozmix	9.35	953.70
8.77	CEMENT MATERIALS	Gel	23.40	205.22
50.00	CEMENT MATERIALS	Flo Seal	2.97	148.50
272.95	CEMENT SERVICE	Cubic Feet	2.48	676.92
742.85	CEMENT SERVICE	Ton Mileage	2.60	1,931.41
1.00	CEMENT SERVICE	Plug to Abandon	2,600.47	2,600.47
65.00	CEMENT SERVICE	Pump Truck Mileage	7.70	500.50
65.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	286.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	64.80	64.80
1.00	CEMENT SUPERVISOR	Robert Yakubovich		
1.00	EQUIPMENT OPERATOR	Woody O'Neil		
1.00	OPERATOR ASSISTANT	Joe Goodson		

R10/21/2013
P 10/21/2013
✓ Lowry 190402 8795.26
Velma Lowry 2-34 - Pump charge,
Cement & other misc expenses
used to plug well

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2,008.29

ONLY IF PAID ON OR BEFORE
Oct 31, 2013

Subtotal	10,106.22
Sales Tax	697.33
Total Invoice Amount	10,803.55
Payment/Credit Applied	
TOTAL	10,803.55

ALLIED OIL & GAS SERVICES, LLC 054801

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>10-6-13</u>	SEC. <u>34</u>	TWP. <u>3</u>	RANGE <u>22</u>	CALLED OUT <u>10:15 Am</u>	ON LOCATION <u>2:30 pm</u>	JOB START <u>6:30pm</u>	JOB FINISH <u>7:00pm</u>
LEASE <u>Velma-Lowry</u>	WELL# <u>2-34</u>	LOCATION <u>Edmond KS 2E 7N Winto</u>			COUNTY <u>Norton</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR WW #12

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3840

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 16.6 DEPTH 3800

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 255 60/40 40 gal 1/4 #10

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y

417 HELPER Woody O

BULK TRUCK

481 DRIVER Joe G

BULK TRUCK

_____ DRIVER _____

COMMON	<u>153</u>	@ <u>17.90</u>	<u>2738.70</u>
POZMIX	<u>102</u>	@ <u>9.35</u>	<u>953.70</u>
GEL	<u>8.77</u>	@ <u>23.40</u>	<u>205.22</u>
CHLORIDE		@	
ASC		@	<u>148.50</u>
<u>Fl</u>	<u>50th</u>	@ <u>2.97</u>	<u>805.</u>
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>272.95</u> <u>f+s</u>	@ <u>2.48</u>	<u>676.92</u>
MILEAGE	<u>742.85</u> <u>4/m</u>	@ <u>2.60</u>	<u>1931.42</u>
			TOTAL <u>6654.46</u>

REMARKS:

p1 50 @ 3800

p2 25 @ 2024

p3 100 @ 1192

p4 40 @ 270

p5 10 @ 40

30 in Rathole

SERVICE

DEPTH OF JOB	<u>3800</u>		
PUMP TRUCK CHARGE	<u>2600.47</u>		
EXTRA FOOTAGE	@		
MILEAGE <u>65</u> <u>HUMI</u>	@ <u>7.70</u>	<u>500.50</u>	
MANIFOLD	@		
<u>65</u> <u>LVMI</u>	@ <u>4.40</u>	<u>286.00</u>	
	@		
			TOTAL <u>3386.97</u>

CHARGE TO: Baird Oil

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 7/8</u> <u>Wooden plug</u>	@ <u>64.80</u>	<u>64.80</u>
	@	
	@	
	@	
	@	
		TOTAL <u>64.80</u>

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

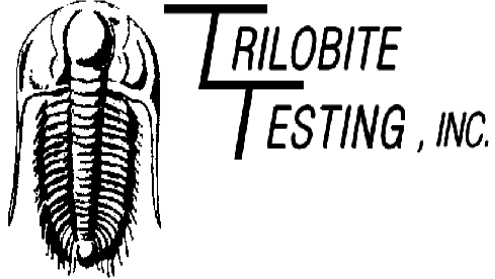
TOTAL CHARGES 10106.23

DISCOUNT 2008.29 IF PAID IN 30 DAYS

PRINTED NAME Calvin P. ...

SIGNATURE [Signature]

Net \$ 8097.94



DRILL STEM TEST REPORT

Prepared For: **Baird Oil**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Velma Lowery #2-34

34 3s 22w Norton KS

Start Date: 2013.10.04 @ 21:20:00

End Date: 2013.10.05 @ 04:20:00

Job Ticket #: 53577 DST #: 1

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

Printed: 2013.10.08 @ 16:15:57



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil
 PO Box 428
 Logan KS 67646
 ATTN: Richard Bell

34 3s 22w Norton KS
Velma Lowery #2-34
 Job Ticket: 53577 **DST#: 1**
 Test Start: 2013.10.04 @ 21:20:00

GENERAL INFORMATION:

Formation: **LKC-A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:59:30
 Time Test Ended: 04:20:00
 Interval: **3557.00 ft (KB) To 3580.00 ft (KB) (TVD)**
 Total Depth: 3580.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Chuck Kreuzer jr
 Unit No: 61
 Reference Elevations: 2325.00 ft (KB)
 2315.00 ft (CF)
 KB to GR/CF: 10.00 ft

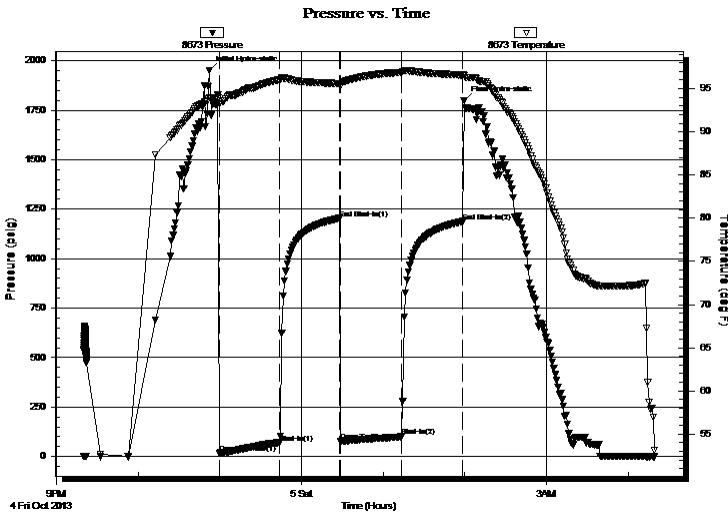
Serial #: 8673

Inside

Press @ Run Depth: 100.11 psig @ 3559.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.04 End Date: 2013.10.05 Last Calib.: 2013.10.05
 Start Time: 21:20:01 End Time: 04:20:00 Time On Btm: 2013.10.04 @ 22:52:30
 Time Off Btm: 2013.10.05 @ 01:59:30

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1951.13	93.94	Initial Hydro-static
7	16.09	93.19	Open To Flow (1)
51	69.95	96.00	Shut-In(1)
95	1203.71	95.61	End Shut-In(1)
96	76.63	95.21	Open To Flow (2)
141	100.11	96.88	Shut-In(2)
186	1188.06	96.58	End Shut-In(2)
187	1797.73	96.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	mcw -40 %m60%w	0.59
2.00	oil	0.03

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil
 PO Box 428
 Logan KS 67646
 ATTN: Richard Bell

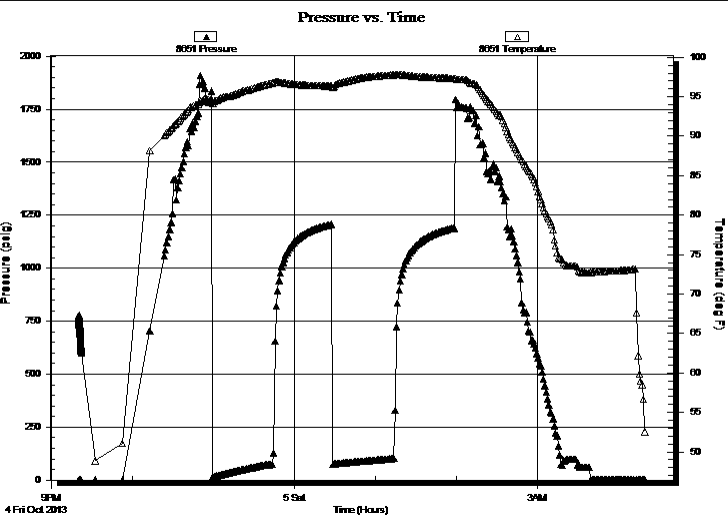
34 3s 22w Norton KS
Velma Lowery #2-34
 Job Ticket: 53577 **DST#: 1**
 Test Start: 2013.10.04 @ 21:20:00

GENERAL INFORMATION:

Formation: **LKC-A**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 22:59:30 Tester: Chuck Kreutzer jr
 Time Test Ended: 04:20:00 Unit No: 61
Interval: 3557.00 ft (KB) To 3580.00 ft (KB) (TVD) Reference Elevations: 2325.00 ft (KB)
 Total Depth: 3580.00 ft (KB) (TVD) 2315.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8651 Outside
 Press @ Run Depth: psig @ 3559.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.04 End Date: 2013.10.05 Last Calib.: 2013.10.05
 Start Time: 21:20:01 End Time: 04:20:00 Time On Btm:
 Time Off Btm:

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



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

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	mcw -40 %m60%w	0.59
2.00	oil	0.03

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil
PO Box 428
Logan KS 67646
ATTN: Richard Bell

34 3s 22w Norton KS
Velma Lowery #2-34
Job Ticket: 53577 **DST#: 1**
Test Start: 2013.10.04 @ 21:20:00

Tool Information

Drill Pipe:	Length: 3449.00 ft	Diameter: 3.80 inches	Volume: 48.38 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: 70000.00 lb
			<u>Total Volume: 48.97 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3557.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3542.00	
Hydraulic tool	5.00			3547.00	
Packer	5.00			3552.00	20.00 Bottom Of Top Packer
Packer	5.00			3557.00	
Stubb	1.00			3558.00	
Perforations	1.00			3559.00	
Recorder	0.00	8673	Inside	3559.00	
Recorder	0.00	8651	Outside	3559.00	
Perforations	18.00			3577.00	
Bullnose	3.00			3580.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil
PO Box 428
Logan KS 67646
ATTN: Richard Bell

34 3s 22w Norton KS
Velma Lowery #2-34
Job Ticket: 53577 **DST#: 1**
Test Start: 2013.10.04 @ 21:20:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	20000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mcw -40 %m60%w	0.590
2.00	oil	0.028

Total Length: 122.00 ft Total Volume: 0.618 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

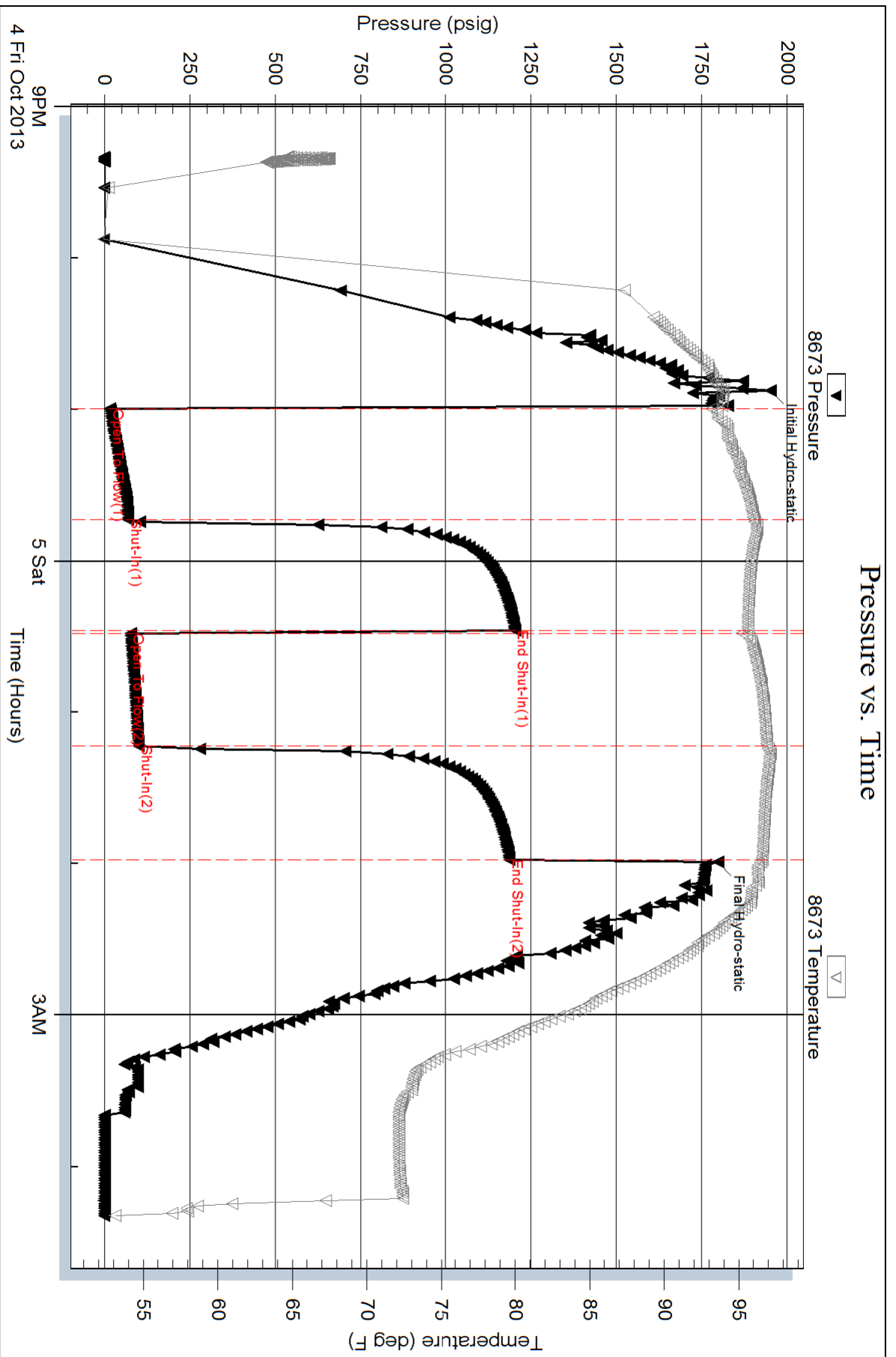
Serial #: 8673

Inside

Barrel Oil

Velma Low ery #2-34

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53577

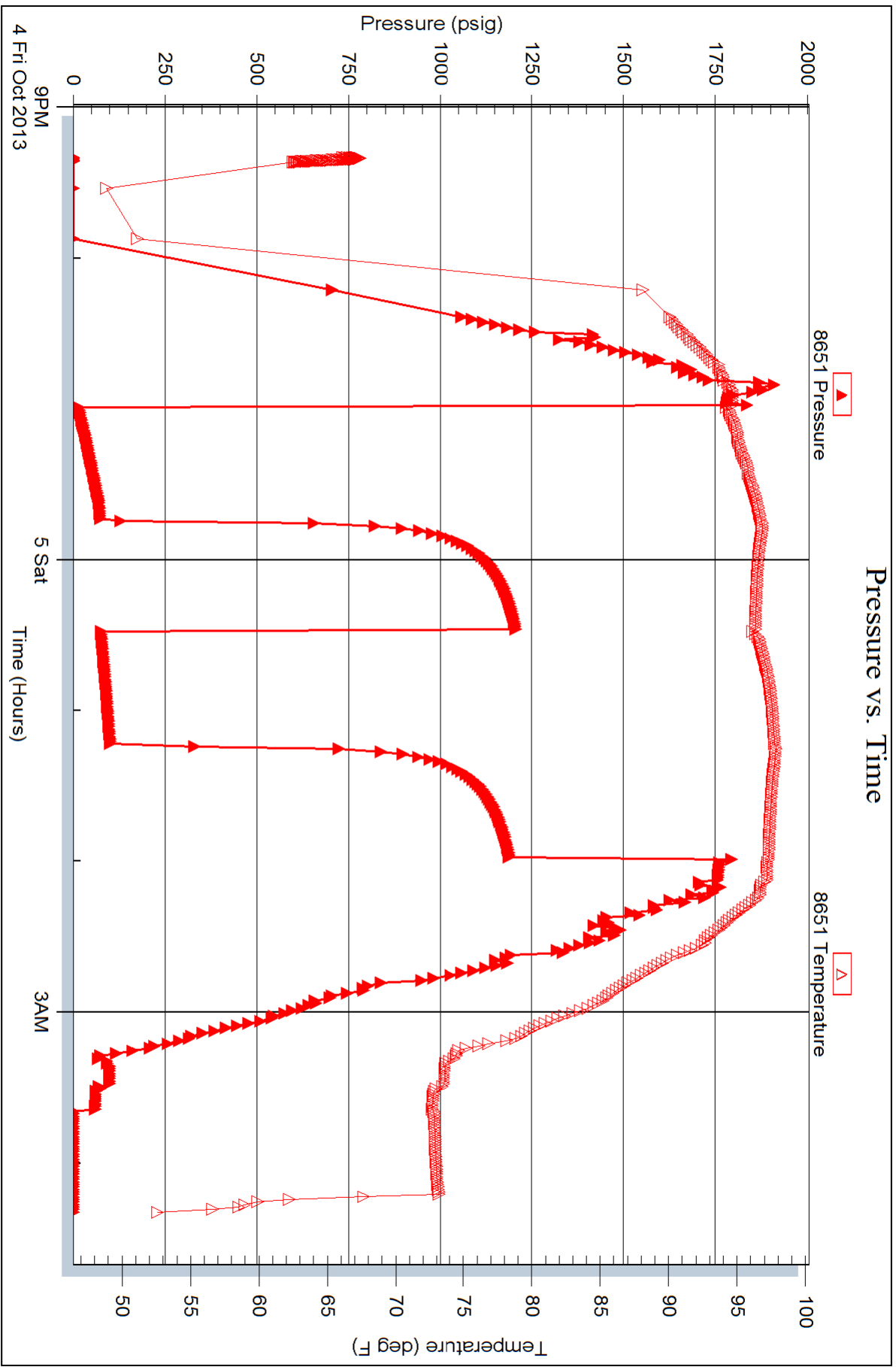
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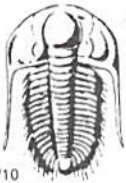
Serial #: 8651

Outside Baird Oil

Velma Low ery #2-34

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53577

4/10

Well Name & No. Velma Lowry # 2-34 Test No. 1 Date 10-4-2013
 Company Baird Oil Comp. Elevation 2325 KB 2315 GL
 Address 113 W Main P.O. Box 428 Logan Ks 67646
 Co. Rep / Geo. Richard Bell Rig WW # 12
 Location: Sec. 34 Twp. 3S Rge. 22W Co. Norton State Ks

Interval Tested 3557 3580 Zone Tested LRC-A
 Anchor Length 23 Drill Pipe Run 3449 Mud Wt. 9.3
 Top Packer Depth 3548 Drill Collars Run 120 Vis 53
 Bottom Packer Depth 3557 Wt. Pipe Run -0- WL 9.0
 Total Depth 3580 Chlorides 1500 ppm System LCM .5#

Blow Description IF: Weak blow built to 5 in. over 45 mins.

ISS: No blow back

FF: No blow

FSS: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>oil</u>		<u>100%</u>		
<u>120</u>	<u>mcw</u>			<u>60%</u>	<u>40%</u>

Rec Total 122 BHT 97 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1951 Test 1150 T-On Location 10-4 19:00
 (B) First Initial Flow 16 Jars _____ T-Started 21:20
 (C) First Final Flow 70 Safety Joint _____ T-Open 22:54
 (D) Initial Shut-In 1204 Circ Sub _____ T-Pulled 2:00
 (E) Second Initial Flow 77 Hourly Standby _____ T-Out 10:5 4:20
 (F) Second Final Flow 100 Mileage 40x2 = 80 X 1.55 X 127 X 2 = 248 Comments Loaded tools on 10-6-2
 (G) Final Shut-In 1188 Sampler 248 10:30 AM
 (H) Final Hydrostatic 1798 Straddle _____ • Motel in Norton

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 800
 Total 2198
 MP/DST Disc't _____
 Sub Total 1398

Approved By _____

Our Representative Chris [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.