KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1054898

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 # 32819
Name: Baird Oil Company LLC
Address 1: 113 W MAIN
Address 2: PO BOX 428
City: LOGAN State: KS Zip: 67646 + ____
Contact Person: Jim R. Baird
Phone: (785) 689-7456
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Richard Bell
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

4/20/2011	4/25/2011	4/25/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-137-20556-00-00
Spot Description:
SW - SE - NW - NW Sec. 6 Twp. 4 S. R. 21 [ ] East [x] West
1240 Feet from [x] North / [ ] South Line of Section
740 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [x] NW [ ] SE [ ] SW
County: Norton
Lease Name: Schemper Well #: 1-6
Field Name:
Producing Formation: D & A
Elevation: Ground: 2308 Kelly Bushing: 2315
Total Depth: 3846 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 221 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 1900 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated
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

- [x] **Letter of Confidentiality Received**
  Date: 05/27/2011
- [x] **Confidential Release Date:** 05/26/2013
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** NAOMI JAMES **Date:** 06/01/2011

Side Two

1054898

Operator Name: Baird Oil Company LLC Lease Name: Schemper Well #: 1-6

Sec. 6 Twp. 4 S. R. 21 ☐ East ☑ West County: Norton

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

RAG

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	221	Standard	165	3%cc,2%gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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

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

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

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Schemper 1-6
Doc ID	1054898

Tops

Name	Top	Datum
Anhydrite	2092	+323
Base Anhydrite	2016	+299
Topeka	3318	-1003
Heebner	3520	-1205
Toronto	3548	-1233
Lansing	3565	-1250
Base Kansas City	3749	-1434
Marmaton	3784	-1469
Precambrian	3833	-1518
Total Depth	3846	-1531

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

Kansas
Corporation Commission

phone: 316-337-6200
fax: 316-337-6211
http://kcc.ks.gov/

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Sam Brownback, Governor

April 28, 2011

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

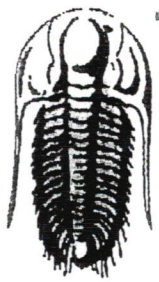
Re: ACO1
API 15-137-20556-00-00
Schemper 1-6
NW/4 Sec.06-04S-21W
Norton County, Kansas

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

Schemper #1-6

Start Date: 2011.04.23 @ 18:10:00

End Date: 2011.04.23 @ 22:16:30

Job Ticket #: 040770 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040770 DST#: 1

Test Start: 2011.04.23 @ 18:10:00

GENERAL INFORMATION:

Formation: LKC-A
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:50:30
Time Test Ended: 22:16:30

Test Type: Conventional Bottom Hole
Tester: Chuck Kreutzer Jr.
Unit No: 36

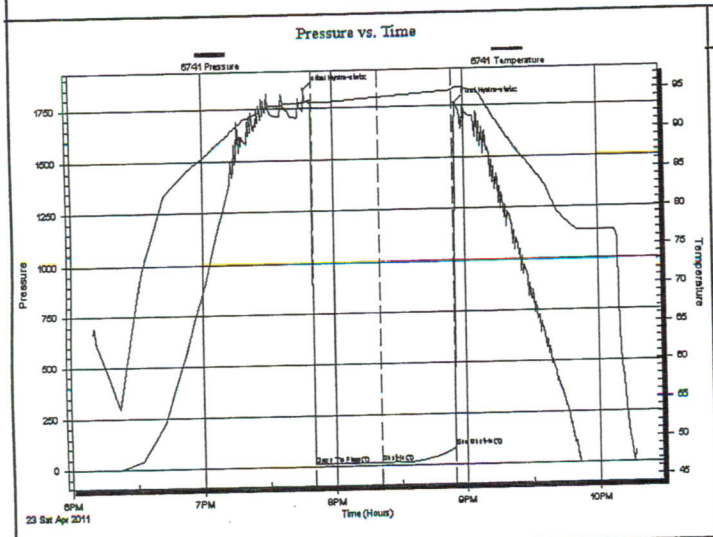
Interval: 3552.00 ft (KB) To 3573.00 ft (KB) (TVD)
Total Depth: 3573.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2315.00 ft (KB)
2310.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 Outside
Press@RunDepth: 15.61 psig @ 3553.00 ft (KB)
Start Date: 2011.04.23 End Date: 2011.04.23
Start Time: 18:10:01 End Time: 22:16:30

Capacity: 8000.00 psig
Last Calib.: 2011.04.23
Time On Btm: 2011.04.23 @ 19:47:00
Time Off Btm: 2011.04.23 @ 20:56:00

TEST COMMENT: IF: Weak blow, Died in 10 mins.
ISI: No blow back over 30 mins.
---- Pulled tool-------



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.41	93.80	Initial Hydro-static
4	13.06	93.69	Open To Flow (1)
34	15.61	94.30	Shut-In(1)
68	86.03	95.02	End Shut-In(1)
69	1761.43	95.35	Final Hydro-static

Recovery

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

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040770 **DST#: 1**

Test Start: 2011.04.23 @ 18:10:00

Tool Information

Drill Pipe:	Length:	3416.00 ft	Diameter:	3.80 inches	Volume:	47.92 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	48.51 bbl	

Drill Pipe Above KB:	4.00 ft
Depth to Top Packer:	3552.00 ft
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 Weight:	2000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	45000.00 lb
Tool Chased	2.00 ft
String Weight: Initial	40000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3537.00		
Hydraulic tool	5.00			3542.00		
Packer	5.00			3547.00	20.00	Bottom Of Top Packer
Packer	5.00			3552.00		
Stubb	1.00			3553.00		
Recorder	0.00	6752	Inside	3553.00		
Recorder	0.00	6741	Outside	3553.00		
Perforations	17.00			3570.00		
Bullnose	3.00			3573.00	21.00	Bottom Packers & Anchor
Total Tool Length:	**41.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040770 DST#: 1

Test Start: 2011.04.23 @ 18:10:00

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:	69.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

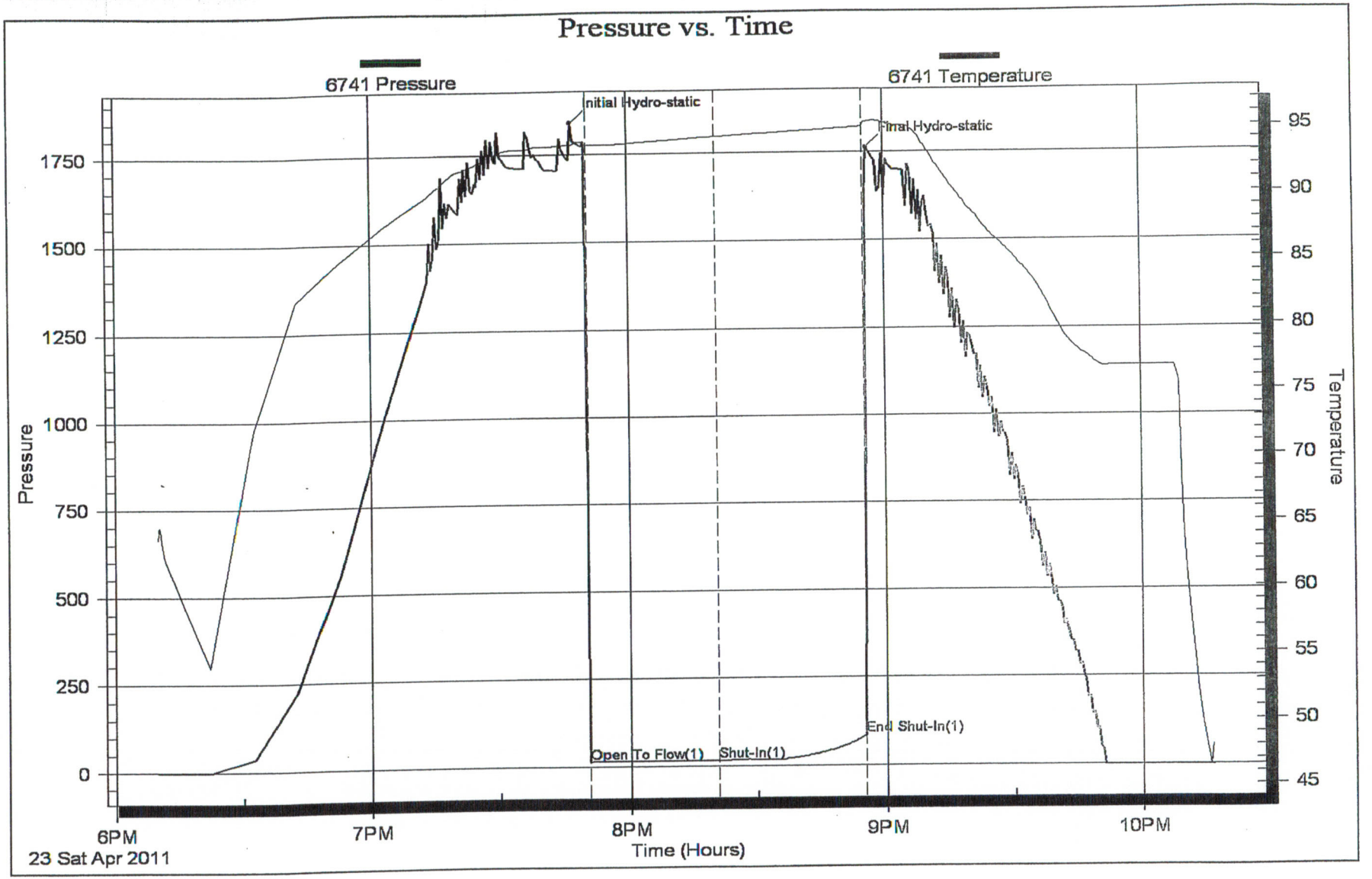
Length ft	Description	Volume bbl
1.00	mud	0.005

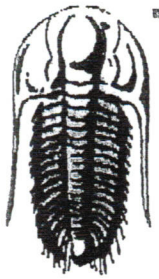
Total Length: 1.00 ft Total Volume: 0.005 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
55
50
45
6PM
7PM
8PM
9PM
10PM
23 Sat Apr 2011
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

Schemper #1-6

Start Date: 2011.04.24 @ 04:40:00
End Date: 2011.04.24 @ 09:51:00
Job Ticket #: 040771 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040771 DST#: 2

Test Start: 2011.04.24 @ 04:40:00

GENERAL INFORMATION:

Formation: LKC-C
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:44:30
Time Test Ended: 09:51:00

Test Type: Conventional Bottom Hole
Tester: Chuck Kreutzer Jr.
Unit No: 36

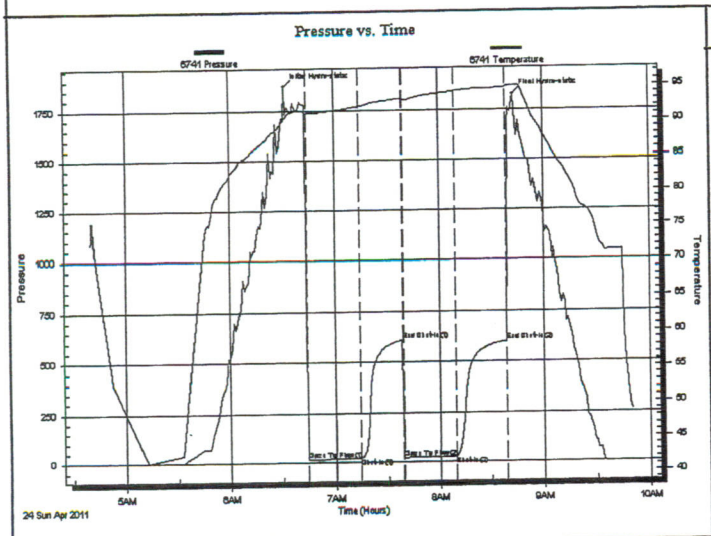
Interval: 3578.00 ft (KB) To 3600.00 ft (KB) (TVD)
Total Depth: 3600.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2315.00 ft (KB)
2310.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 Outside
Press@RunDepth: 27.01 psig @ 3579.00 ft (KB)
Start Date: 2011.04.24 End Date: 2011.04.24
Start Time: 04:40:01 End Time: 09:51:00

Capacity: 8000.00 psig
Last Calib.: 2011.04.24
Time On Btm: 2011.04.24 @ 06:32:00
Time Off Btm: 2011.04.24 @ 08:43:00

TEST COMMENT: IF: Weak blow, Built to 1/4 in. over 30 mins.
ISI: No blow back over 30 mins.
FF: No blow over 30 mins.
FSI: No blow back over 30 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1870.29	90.40	Initial Hydro-static
13	14.57	91.06	Open To Flow (1)
43	21.05	92.14	Shut-In(1)
67	608.04	93.21	End Shut-In(1)
68	22.39	93.08	Open To Flow (2)
98	27.01	94.20	Shut-In(2)
127	600.58	94.71	End Shut-In(2)
131	1824.35	95.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040771 **DST#: 2**

Test Start: 2011.04.24 @ 04:40:00

Tool Information

Drill Pipe:	Length:	3449.00 ft	Diameter:	3.80 inches	Volume:	48.38 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	48.97 bbl	

Drill Pipe Above KB:	11.00 ft
Depth to Top Packer:	3578.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	22.00 ft
Tool Length:	42.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	24000.00 lb
Weight to Pull Loose:	48000.00 lb
Tool Chased	2.00 ft
String Weight: Initial	44000.00 lb
Final	44000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
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	5.00			3578.00		
Stubb	1.00			3579.00		
Recorder	0.00	6752	Inside	3579.00		
Recorder	0.00	6741	Outside	3579.00		
Perforations	18.00			3597.00		
Bullnose	3.00			3600.00	22.00	Bottom Packers & Anchor
Total Tool Length:	**42.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040771 **DST#: 2**

Test Start: 2011.04.24 @ 04:40:00

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:	69.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	2.00 inches				

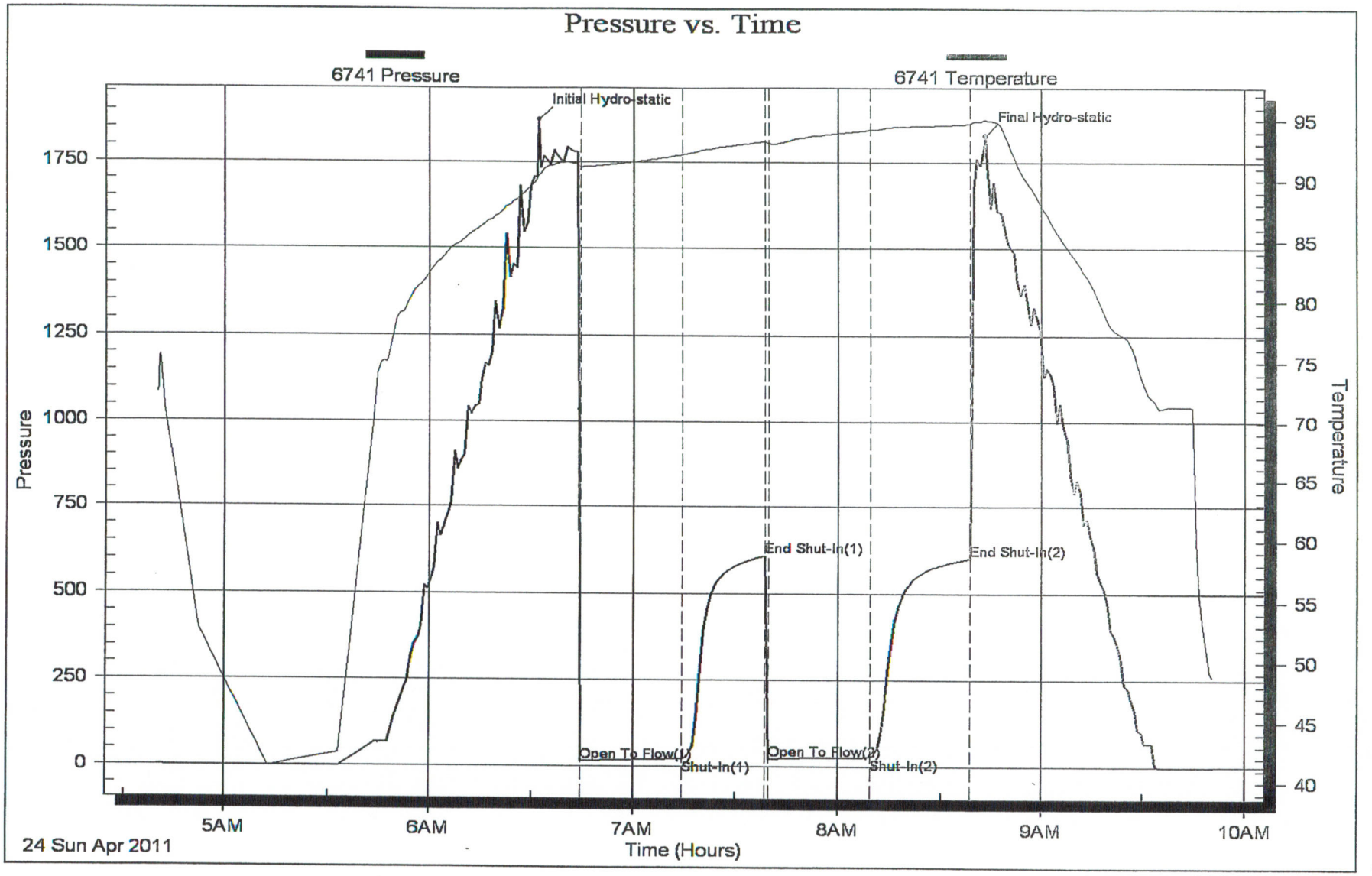
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
55
50
45
40
5AM
6AM
7AM
8AM
9AM
10AM
24 Sun Apr 2011
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

Schemper #1-6

Start Date: 2011.04.24 @ 15:20:00
End Date: 2011.04.24 @ 19:25:30
Job Ticket #: 040772 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040772 **DST#: 3**

Test Start: 2011.04.24 @ 15:20:00

GENERAL INFORMATION:

Formation: LKC-D
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:03:30
Time Test Ended: 19:25:30

Test Type: Conventional Bottom Hole
Tester: Chuck Kreutzer Jr.
Unit No: 36

Interval: 3598.00 ft (KB) To 3620.00 ft (KB) (TVD)
Total Depth: 3620.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

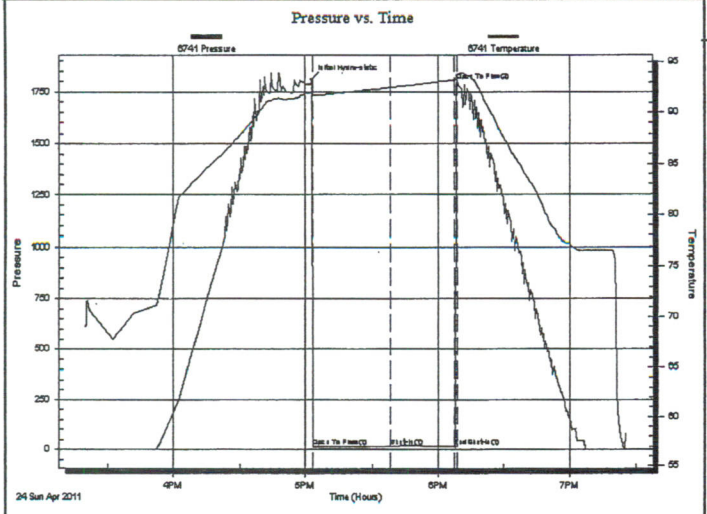
Reference Elevations: 2315.00 ft (KB)
2310.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 Outside

Press@RunDepth: 15.48 psig @ 3599.00 ft (KB)
Start Date: 2011.04.24 End Date: 2011.04.24
Start Time: 15:20:01 End Time: 19:25:30

Capacity: 8000.00 psig
Last Calib.: 2011.04.24
Time On Btm: 2011.04.24 @ 17:03:00
Time Off Btm:

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.92	91.97	Initial Hydro-static
1	13.97	91.66	Open To Flow (1)
36	15.48	92.49	Shut-In(1)
64	17.35	93.22	End Shut-In(1)
66	1800.19	93.61	Open To Flow (2)

Recovery

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

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040772 **DST#: 3**

Test Start: 2011.04.24 @ 15:20:00

Tool Information

Drill Pipe:	Length:	3469.00 ft	Diameter:	3.80 inches	Volume:	48.66 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	
					Total Volume:	49.25 bbl	

Drill Pipe Above KB:	11.00 ft
Depth to Top Packer:	3598.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	22.00 ft
Tool Length:	42.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	24000.00 lb
Weight to Pull Loose:	50000.00 lb
Tool Chased	2.00 ft
String Weight: Initial	44000.00 lb
Final	44000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3583.00		
Hydraulic tool	5.00			3588.00		
Packer	5.00			3593.00	20.00	Bottom Of Top Packer
Packer	5.00			3598.00		
Stubb	1.00			3599.00		
Recorder	0.00	6752	Inside	3599.00		
Recorder	0.00	6741	Outside	3599.00		
Perforations	18.00			3617.00		
Bullnose	3.00			3620.00	22.00	Bottom Packers & Anchor
Total Tool Length:	**42.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper #1-6

6-4s-21w Norton,KS

Job Ticket: 040772 DST#: 3

Test Start: 2011.04.24 @ 15:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1200.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

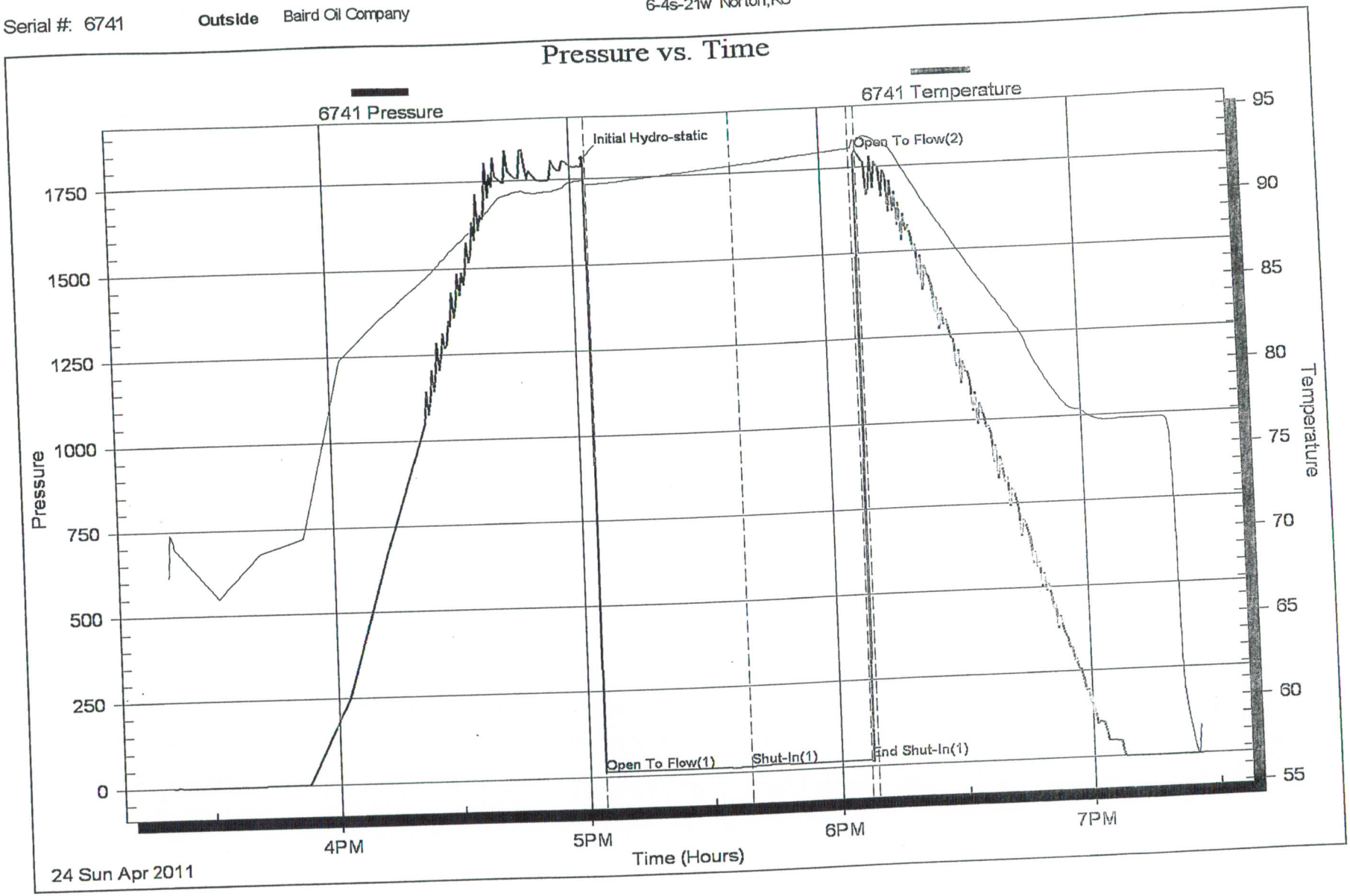
Length ft	Description	Volume bbl
1.00	mud	0.005

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:



Trilobite Testing, Inc Ref. No: 040772

API # 15-137-20556-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC.
LEASE Schemper # 1-6
FIELD Scull Creek
LOCATION 1240'FNL + 740'FWL
SEC 6 TWSP 4s RGE 21w
COUNTY Norton STATE Kansas

ELEVATION
KB 2315'
DF 2313'
GL 2310'
Depths Measured From
Log KB. Drilling K.B.

CONTRACTOR WW Drilling Rig #8
SPUD 4-20-11 COMP 4-25-11
SAMPLES SAVED FROM 3270' TO R.T.D.

CASING
Surface 8 5/8" @ 221'
Production none

ELECTRIC LOGS
Superior Well Services

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
Anhydrite	2090	2092	+ 323	+ 336	+ 334		
Base Anhydrite	2014	2016	+ 299	+ 308	+ 307		
Topeka	3315	3318	-1003	- 996	-1001		
Heebner	3517	3520	-1205	-1197	-1202		
Toronto	3545	3548	-1233	-1225	-1227		
Lansing	3563	3565	-1250	-1242	-1245		
Base Kansas City	3747	3749	-1434	-1426	-1435		
Marmaton	3782	3784	-1469	-1461	-1469		
Precambrian	3831	3833	-1518	-1497	-1510		
Total Depth	3845	3846	-1531	-1519	-1538		

REFERENCE WELLS

A Baird Oil Co, Schemper-Kats Unit # 3-6, 2380'FNL + 2260'FWL Sec 6-4s-21w
B Baird Oil Co, Schemper-Kats Unit # 1-6, 2740'FNL + 1130'FEL Sec 6-4s-21w
C
D

7502

REMARKS

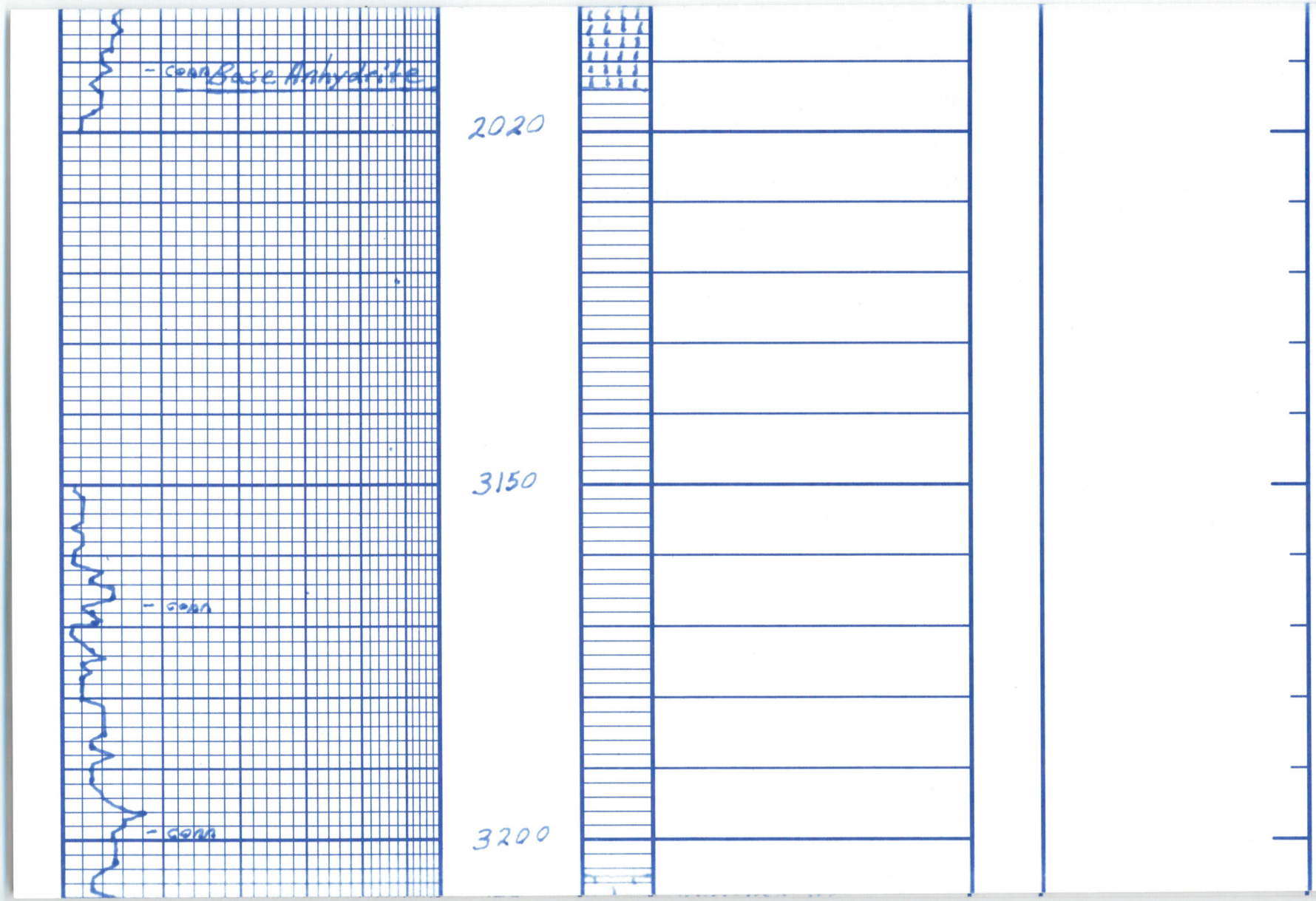
This well ran 5 to 8 feet lower on the Lansing top than the reference Producers. After evaluating D.S.T data and the open hole log it was decided that the well should be plugged and abandoned.

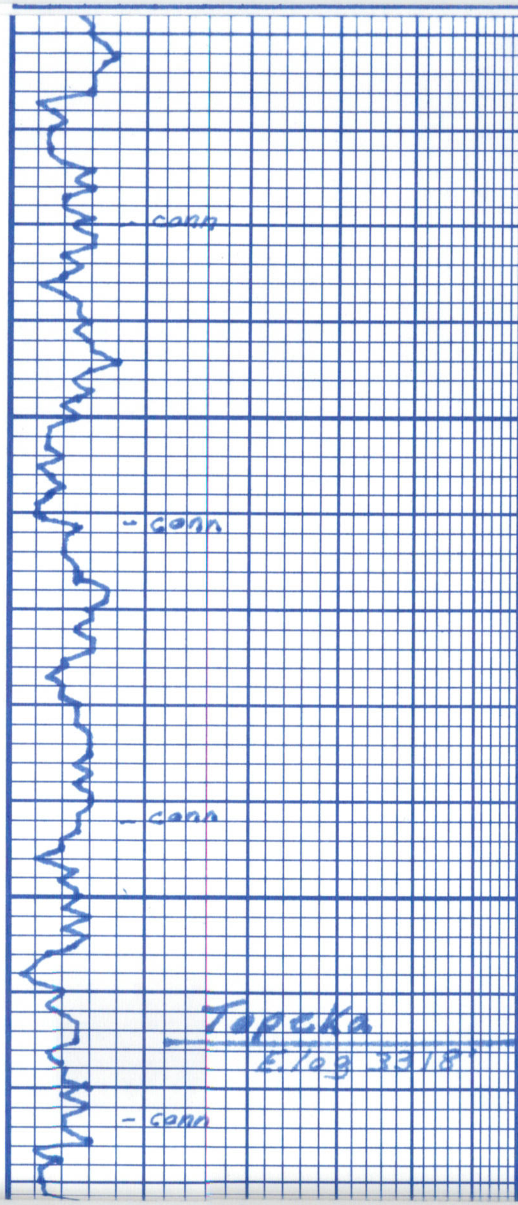
Richard B. Bell
4-26-11

LOG 7710

LEGEND

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases 5" 10" 15" 20" 25"	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
Anhydrite	1980 2000				


Base Anhydrite
2020
3150
3200



20

40

60
LS: wh-tn fxln tr sli. ööl pp ∅ N.S.O. Tr Δ tn

Sh: gry, brn

LS: wh-tn-gry cky-fxln dns N.S.O. Δ wh-tn

Sh: gry, brn

80
LS: gry fslf dns

LS: wh-tn fxln sli. ööl Tr. pp∅ N.S.O.

LS: tn-gry fxln dns

3300

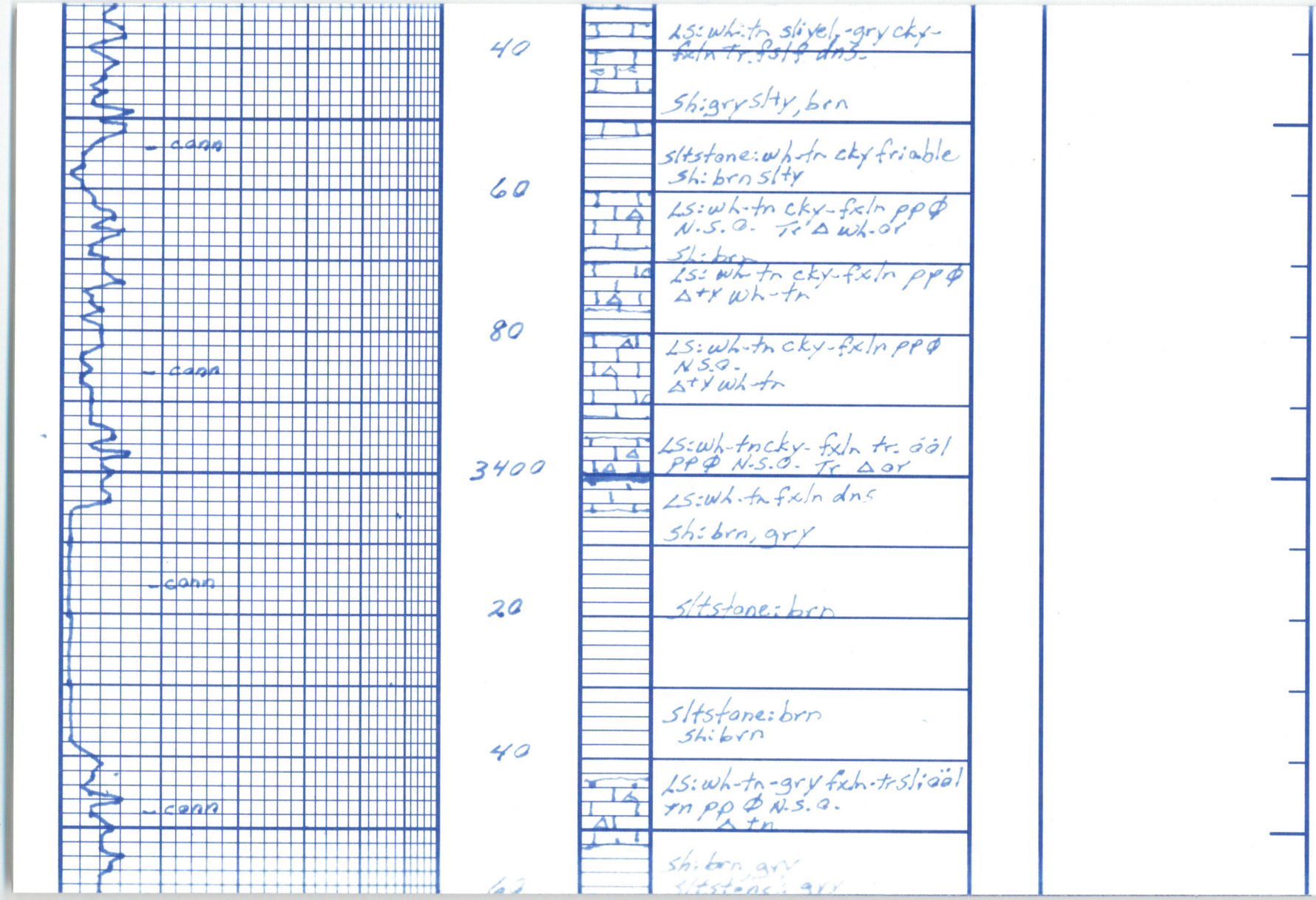
Siltstone: gry
Sh: gry

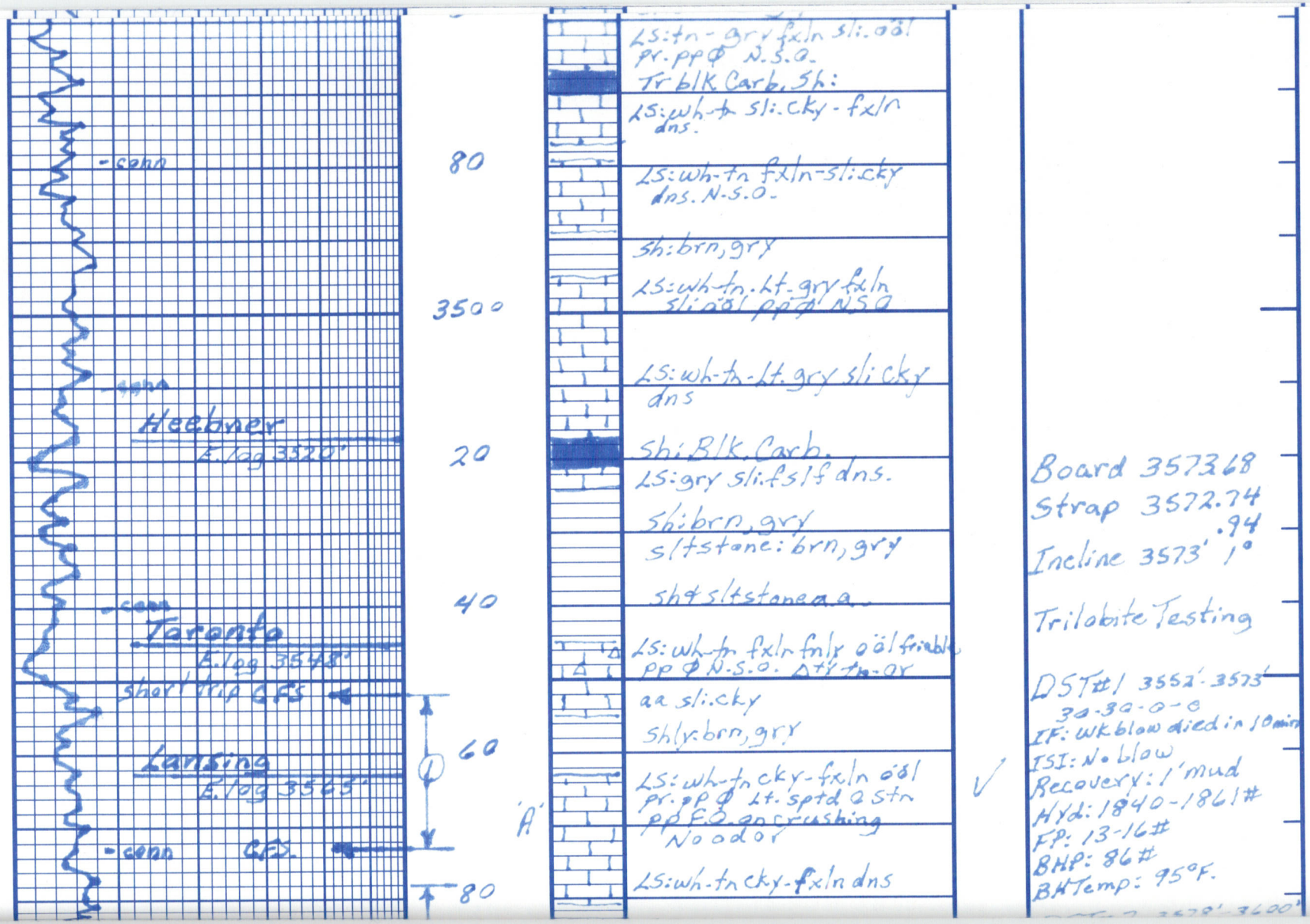
LS: wh-tn v. cky-fxln dns. N.S.O.

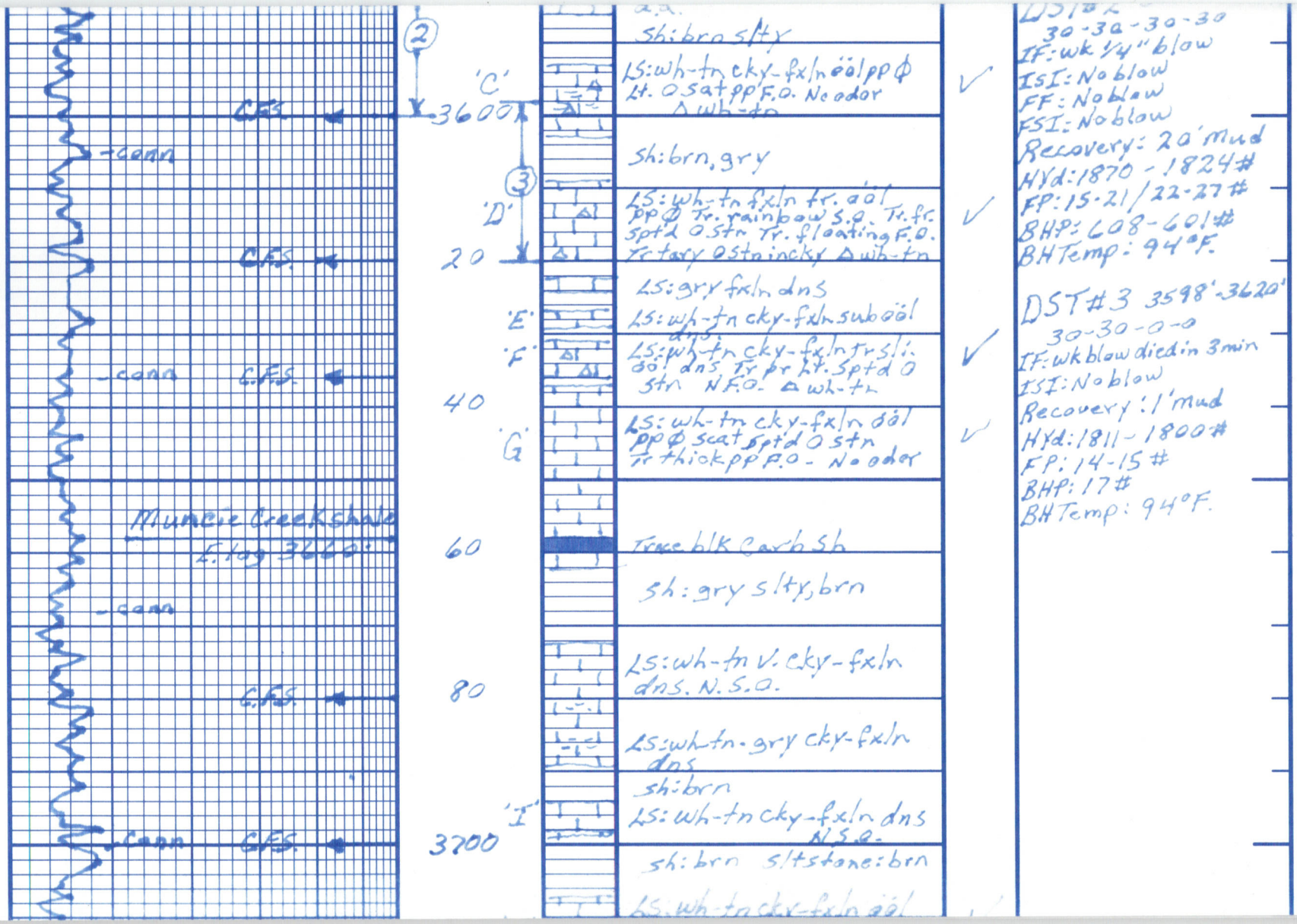
20

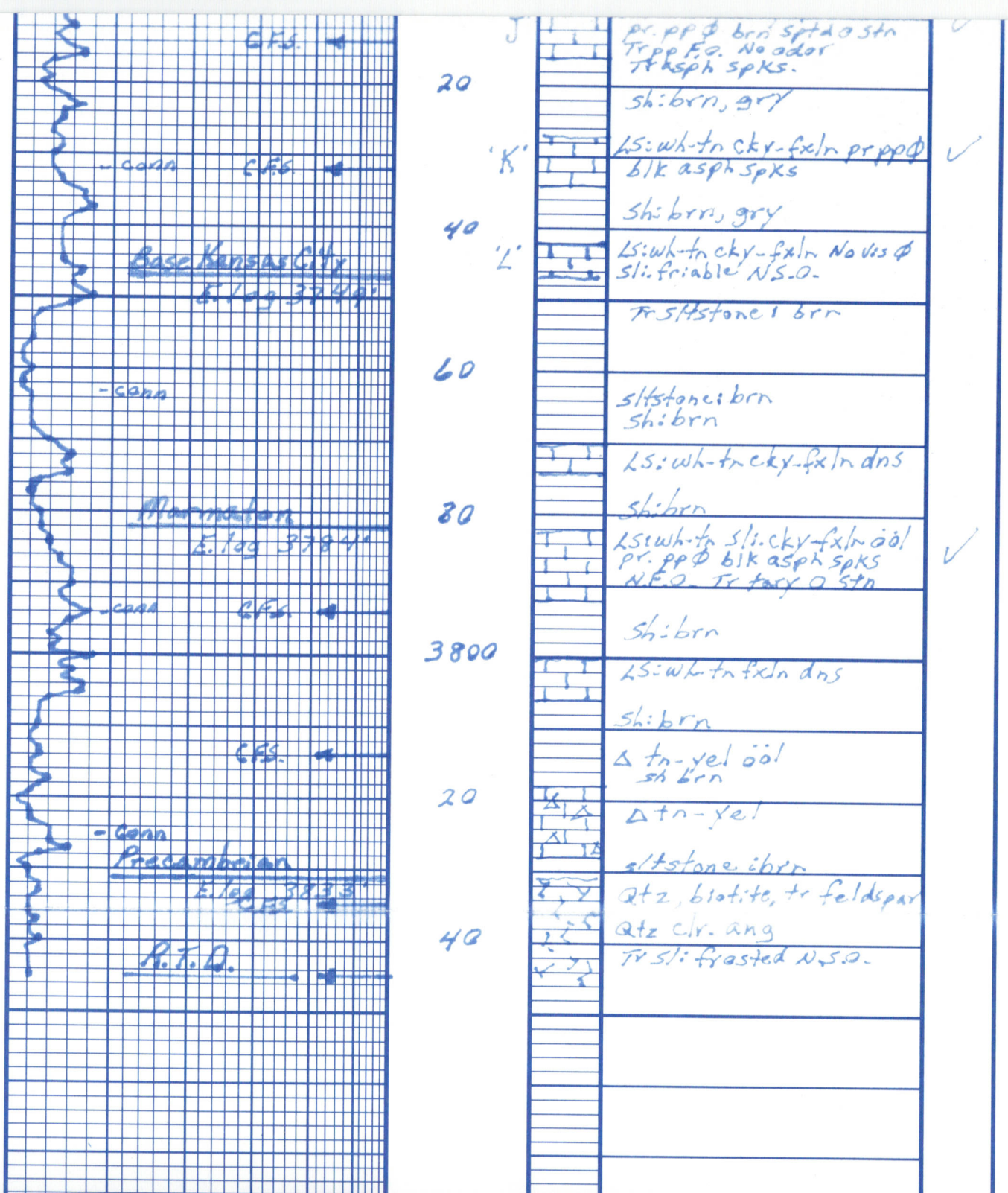
Sh: brn, gry
LS: wh-tn sli cky-fxln pp∅
sli glauc spks N.S.O.

Samples are lagged
good samples


40
60
80
3400
20
40
LS: wh-tn slivel, -gry cky-
Sh: gry slty, brn
sltstone: wh-tn cky friable
Sh: brn slty
LS: wh-tn cky-fxln ppΦ
N.S.Q. Tr Δ wh-or
Sh: brn
LS: wh-tn cky-fxln ppΦ
Δ+y wh-tn
LS: wh-tn cky-fxln ppΦ
N.S.Q.
Δ+y wh-tn
LS: wh-tn cky-fxln tr. ööl
ppΦ N.S.Q. Tr Δ or
LS: wh-tn fxln dns
Sh: brn, gry
sltstone: brn
sltstone: brn
Sh: brn
LS: wh-tn-gry fxln-tr sl ööl
tn pp Φ N.S.Q.
Δ tn
Sh: brn gry
sltstone: gry


Heebner
E.log 3520'
Toronto
E.log 3548'
short trip GFS
Lansing
E.log 3563'
GFS
A
A'
80
3500
20
40
60
80
LS: tn-gry fxln sli. oil pr. pp Ø N.S.O. Tr blk Carb. Sh:
LS: wh-tn sli. cky - fxln dns.
LS: wh-tn fxln-sli. cky dns. N.S.O.
Sh: brn, gry
LS: wh-tn. Lt. gry fxln sli oil pp Ø N.S.O.
LS: wh-tn-Lt. gry sli cky dns
Sh: Blk. Carb.
LS: gry sli. fs lf dns.
Sh: brn, gry
slt stone: brn, gry
sh & slt stone a.a.
LS: wh-tn fxln fnly oil friable pp Ø N.S.O. Δ tr-tn-or
aa sli. cky
Sh ly. brn, gry
LS: wh-tn cky-fxln oil pr. pp Ø Lt. sptd o stn pp F.O. on crushing No odor
LS: wh-tn cky-fxln dns
Board 357368
Strap 3572.74
.94
Incline 3573' 1°
Trilobite Testing
DST#1 3552'-3573'
30-30-0-0
IF: Wk blow died in 10 min
ISI: No blow
Recovery: 1' mud
Hyd: 1840-1861#
FP: 13-16#
BHP: 86#
BHTemp: 95°F.


2
'C'
3600
3
'D'
20
'E'
'F'
40
'G'
60
80
'I'
3700
C.F.S.
-comm
C.F.S.
-comm
C.F.S.
-comm
C.F.S.
Muncie Creek Shale
f. top 3660'
Sh: brn slty
LS: wh-tn cky-fx/n ool pp ϕ
Lt. O sat pp F.O. No odor
Δ wh-to
Sh: brn, gry
LS: wh-tn f.x/n tr. ool
pp ϕ Tr. rainbow S.O. Tr. fr.
spt'd O stn Tr. floating F.O.
Tr fary O stn in cky Δ wh-tn
LS: gry fx/n dns
LS: wh-tn cky-fx/n sub ool
LS: wh-tn cky-fx/n dns tr sli.
oo dns tr pr lt. spt'd O
stn N F.O. Δ wh-tn
LS: wh-tn cky-fx/n ool
pp ϕ scat spt'd O stn
tr thick pp F.O. - No odor
Trace blk carb sh
Sh: gry slty, brn
LS: wh-tn V. cky-fx/n
dns. N.S.O.
LS: wh-tn. gry cky-fx/n
dns
sh: brn
LS: wh-tn cky-fx/n dns
N.S.O.
sh: brn slt stone: brn
LS. wh-tn cky-fx/n ool
DST #2
30-30-30-30
IF: wk 1/4" blow
ISI: No blow
FF: No blow
FSI: No blow
Recovery: 20' mud
HYd: 1870 - 1824#
FP: 15-21 / 22-27#
BHP: 608-601#
BH Temp: 94°F.
DST #3 3598'-3620'
30-30-0-0
IF: wk blow died in 3 min
ISI: No blow
Recovery: 1' mud
HYd: 1811 - 1800#
FP: 14-15#
BHP: 17#
BH Temp: 94°F.


C.F.S.
- conn
C.F.S.
Base Kansas City
E. log 3744'
- conn
Marmaton
E. log 3784'
- conn
C.F.S.
C.F.S.
- conn
Precambrian
E. log 3833'
R.T.D.
20
'K'
40
'L'
60
80
3800
20
40
J
pr. pp ϕ brn sltst o stn
Tr pp F.o. No odor
Tr asph spks.
sh: brn, gry
LS: wh-tn cky-fx ln pr pp ϕ
blk asph spks
sh: brn, gry
LS: wh-tn cky-fx ln No Vis ϕ
sli. friable N.S.O.
Tr sltstone i brn
sltstone: brn
sh: brn
LS: wh-tn cky-fx ln dns
sh: brn
LS: wh-tn sli. cky-fx ln ool
pr. pp ϕ blk asph spks
N.F.O. Tr tary o stn
sh: brn
LS: wh-tn fx ln dns
sh: brn
Δ tn-yel ool
sh brn
Δ tn-yel
sltstone: brn
Qtz, biotite, tr feldspar
Qtz clr. ang
Tr sli. frosted N.S.O.

SWIFT Services, Inc.

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

Invoice

DATE	INVOICE #
4/20/2011	19653

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	#1-6	Schemper	Norton	WW Drilling #8	Oil	Development	Surface	Dave

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	85	Miles	5.00	425.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	1	Job	750.00	750.00
290	D-Air	1	Gallon(s)	35.00	35.00T
325	Standard Cement	165	Sacks	12.00	1,980.00T
278	Calcium Chloride	5	Sack(s)	35.00	175.00T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
581D	Service Charge Cement	165	Sacks	1.50	247.50
583D	Drayage	688.93	Ton Miles	1.00	688.93
	Subtotal				4,376.43
	Sales Tax Norton County			7.05%	159.68

R 4/26/2011
P 4/26/2011
Schemper 190402 453611
Schemper 1-6 - Pump charge, cement + other misc. used to cement surface casing

4/26/2011
CK#10926

We Appreciate Your Business!

Total $4,536.11

SWIFT Services, Inc.

CHARGE TO: BAIRD OIL
ADDRESS
CITY, STATE, ZIP CODE

TICKET 19653

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. HAYS	1-6	SCHEMPER	NORTON	KS		04-20-11	
2. NESS	TICKET TYPE ☒ SERVICE ☐ SALES	CONTRACTOR	RIG NAME/NO. WW DRLG #8	SHIPPED VIA C.T	DELIVERED TO NE DENMORE	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOP	JOB PURPOSE SURFACE		WELL PERMIT NO. 15-137-20556	WELL LOCATION S6 T4 R21	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE #112	85	MI			5 00	425 00
576 S		1			PUMP SERVICE	1	EA			750 00	750 00
290		1			D-AIR	1	GAL			35 00	35 00
325		2			STD CMT	165	SK			12 00	1980 00
278		2			CALCIUM CHLORIDE	5	SK			35 00	175 00
279		2			BENTONITE GEL	3	SK			25 00	75 00
581		2			SERVICE CHG CMT	165	SK			1 50	247 50
583		2			DRAYAGE	688.23	TM			1 00	688 23

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY,** and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED 04-20-11 TIME SIGNED 1430 ☐ A.M. ☒ P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
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	4376 43
Norton TAX 7.05%	159 68
TOTAL	4536 11

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

SWIFT OPERATOR Dave B4 APPROVAL

Thank You!

JOB LOG — SWIFT Services, Inc.

DATE 04-20-11 | PAGE NO. 1

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
BARROW	1-6	SCHEMPER	SURFACE	19653

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) ~~(GAL)~~	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	1430							ON LOCATION
								CMT 165 SKS 5% D20, 2% GEL, 3% CC
								12¼ @ 221
								8⅝ 24# @ 220
	1500							START 8⅝ IN
	1545							BREAK CIRC W/ RIG
	1605	5.0	2		-		200	H2O SPACER
		7	41.0		-		200	CMT 165 SKS
		6	0		-		200	START DISP
		6	7		-		300	CIRC CMT TO PIT! 25 SKS
	1615	7	23		-		300	END DISP CLOSE IN
	1645							JOB COMPLETE
								THANK YOU!
								DALE, JOSIAH, JOHN

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

Invoice

DATE	INVOICE #
4/25/2011	19461

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	#1-6	Schemper	Norton	WW Drilling #8	Oil	Development	PTA	Nick

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	5.00	400.00
576D-P	Pump Charge - PTA - 3845 Feet	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	50	Lb(s)	1.50	75.00T
581D	Service Charge Cement	205	Sacks	1.50	307.50
583D	Drayage	686.5	Ton Miles	1.00	686.50
	Subtotal				4,287.75
	Sales Tax Norton County			7.05%	151.13

R 4/28/2011
P 4/28/2011
Schempeb 190402 4438.88
Schemper 1-6 - Pump charge, cement + other misc expenses used to plug well

We Appreciate Your Business!

Total $4,438.88

SWIFT Services, Inc.

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

TICKET 19461

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Hays, Ks.	#1-6	Schemper	Norton	Ks		4-25-11	Same
2. Ness City, Ks.	TICKET TYPE ☑ SERVICE ☐ SALES / CONTRACTOR W+W #8	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO Location		ORDER NO.	
3.	WELL TYPE oil	WELL CATEGORY Development	JOB PURPOSE PTA	WELL PERMIT NO.		WELL LOCATION	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		1			MILEAGE #111	80	mi			5 00	400 00
576P		1			Pump Charge (PTA)	1	ea	3845	'	750 00	750 00
290		1			D-Air	2	gal			35 00	70 00
3284		2			60/40 Poz Mix 4% gel	205	sks			9 75	1998 75
276		2			Flocele	50	#	1/4	#/sk	1 50	75 00
581		2			Cement Service Charge	205	sk			1 50	307 50
583		2			Drayage	686.5	T/M			1 00	686 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

X

DATE SIGNED 4-26-11 TIME SIGNED 0700 ☑ A.M. ☐ P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
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	4287 75
Norton TAX 7.05%	151 13
TOTAL	4438 88

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

SWIFT OPERATOR

APPROVAL

Thank You!

JOB LOG — SWIFT Services, Inc.

DATE 4-25-11 | PAGE NO. 1

CUSTOMER: Baird Oil Co | WELL NO.: #1-6 | LEASE: Schemper | JOB TYPE: PTA | TICKET NO.: 18461

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	2000							on loc set up Tnk
								RTD 3845'
								4½" DP. x 16.6#
								1st Plug @ 2004'
	0320	4	0				200	Start wtr
	0322	4	6/0				200	Start cmt 25sks 60/40 Poz 4% gel
	0324	4	7/0				200	start wtr
	0325	4	2/0					Start mud
	0330		21					Balanced
								2nd Plug @ 1234'
	0410	4	0				100	Start water
		4	10/0				100	Start Cement 100sks 60/40 Poz 4% gel
		4	26/0					Start water
	0420		3					Balanced
								3rd Plug @ 270'
	0455	4	0					start water
		4	3/0					Start Cement 40sks 60/40 Poz 4% gel
		4	10/0					start water
	0500		1					Balanced
								40'
	0645	1.5	0					cmt 10sks 60/40 Poz 4% gel
			5					end
	0650	1.5	7					RH 30sks 60/40 Poz 4% gel
	0700							well Plugged
								Thank you
								Nick, Josh F. & David