



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1058211

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

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

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

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: 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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Arnold Shearer 1-36
Doc ID	1058211

Tops

Name	Top	Datum
Anhydrite	2021	+328
Base Anhydrite	2049	+300
Topeka	3350	-1001
Heebner	3550	-1201
Toronto	3576	-1227
Lansing	3593	-1244
Base Kansas City	3784	-1435
Marmaton	3811	-1462
Precambrian	3843	-1494
Total Depth	3869	-1507

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



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 22, 2011

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

Re: ACO1
API 15-137-20568-00-00
Arnold Shearer 1-36
NE/4 Sec.36-03S-22W
Norton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jim R. Baird

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
6/14/2011	19770

BILL TO
Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-36	Arnold Shearer	Norton	WW Drilling	Oil	Development	Cement 8-5/8" S...	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	5.00	400.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.) - 243 Feet	1	Job	750.00	750.00
290	D-Air	2	Gallon(s)	35.00	70.00T
325	Standard Cement	175	Sacks	12.00	2,100.00T
278	Calcium Chloride	5	Sack(s)	35.00	175.00T
279	Bentonite Gel	4	Sack(s)	25.00	100.00T
581D	Service Charge Cement	175	Sacks	1.50	262.50
583D	Drayage	690	Ton Miles	1.00	690.00
	Subtotal				4,547.50
	Sales Tax Norton County			7.05%	172.37
	<p style="text-align: center;">R 6/22/2011 P 6/22/2011 Shearer 190402 4719.87 Arnold Shearer 1-36 - Pump charge, Cement & other misc used to Cement surface casing</p>				
				6/22/2011 CK#11208	

We Appreciate Your Business!

Total

\$4,719.87



Services, Inc.

CHARGE TO: Bird D.I. Co.
ADDRESS
CITY, STATE, ZIP CODE

TICKET
19770

PAGE 1 OF 1

SERVICE LOCATIONS

1. Hays, Ks WELL/PROJECT NO. 1-36 LEASE Shawnee COUNTY/PARISH Norton STATE Ks CITY NEHilias, Ks DATE 6-14-11 OWNER

2. WELL/PROJECT NO. CONTRACTOR WWD Dls RIG NAME/NO. WELLCATEGORY SHIPPED VIA CT DELIVERED TO WELL PERMIT NO. ORDER NO.

3. WELL TYPE SALES WELLCATEGORY JOB PURPOSE Cement 556' Surface WELL LOCATION

4. WELL TYPE SALES WELLCATEGORY JOB PURPOSE Cement 556' Surface WELL LOCATION

REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					MILEAGE #113	82	Mi				500	41000
576.5					Rump Charge - Shallow Surface	1	ea	293	FR		25200	25200
890					D-Air	2	gal				3500	7000
325					Stensland Cement	175	Sks	16450	Lbs		1200	210000
278					Calcium Chloride	30	lb	700	Lbs		3500	12500
279					Bestwhite Gel	28	lb	400	Lbs		8500	10000
581					Service Charge Cement	174	Sks	17200	Lbs		100	21000
583					Dryage	169	Lbs	17250	Lbs		100	69000

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 6-14-11 TIME SIGNED 1:30

A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY

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

TOTAL

7.05% Tax

172 37

4719 87

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

SWIFT OPERATOR Alan Schauer

APPROVAL

Thank You!

SWIFT



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



Invoice

DATE	INVOICE #
6/20/2011	19806

BILL TO
Baird Oil Company LLC PO Box 428 Logan, KS 67646

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-36	Arnold Shearer	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	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	688.5	Ton Miles	1.00	688.50
	Subtotal				4,289.75
	Sales Tax Norton County			7.05%	151.13
	R6/23/2011 P6/23/2011 Shearer 190402 4440.88 Arnold Shearer 1-36 - Pump charge, Cement & other misc used to plug well				

We Appreciate Your Business!

Total

\$4,440.88



Services, Inc.

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

TICKET 19806

PAGE 1 OF 1

SERVICE LOCATIONS
1. Hays, Ks.
2. Ness City, Ks.

WELL/PROJECT NO. #1-36
CONTRACTOR WWS #8

LEASE Arnold Shearer
RIG NAME/NO. Norton

COUNTY/PARISH
STATE KS

CITY
SHIPPED VIA CT location
DELIVERED TO
WELL PERMIT NO.

DATE 6-20-11
ORDER NO.
OWNER Same

REFERRAL LOCATION

INVOICE INSTRUCTIONS

WELL TYPE o.i.l
WELL CATEGORY Development

JOB PURPOSE PTA

WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT	
		LOC	ACCT	DF									
575					MILEAGE # 111	80	mi				5.00	400.00	
576P					Pump Charge (PTA)	1	pa				750.00	750.00	
576P					D-Air	2	gal				35.00	70.00	
328-4					60% Permox 4% gel	205	shs				9.25	1998.75	
276					Flocele	50	#				1.50	75.00	
581					Cement Service Charge	205	shs				1.50	307.50	
583					Drayage	688.5	STM				1.00	688.50	
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.												PAGE TOTAL	4289.75
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS												TOTAL	4440.88

DATE SIGNED 6-20-11
TIME SIGNED 0850
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 BREADDOWN?
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

AGREE UN-DECIDED DIS-AGREE
Norton TAX 7.05%
TOTAL 4440.88

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

JOB LOG

SWIFT Services, Inc.

DATE 8-20-11 PAGE NO. 1

CUSTOMER Baird Oil Co.

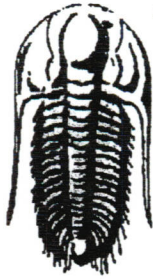
WELL NO. #1-36

LEASE Arnold Shearer

JOB TYPE PTA

TICKET NO. 19806

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0240							on loc set up Trks
								RTD 3870'
								4 1/2" D.P. x 16.6
								1st Plug 2040'
	0630	4.5	0			150		start water
			10/0					start cement 25sks 60% Poz 4% gel
			7/0					start water
			3/0					start mud
	0640		24					Balanced
								2nd Plug 1220'
	0705	4.5	0			100		start water
		4.5	10/0					start cement 100sks 60% Poz 4% gel
			27/0					start water
	0715		3					Balanced
								3rd Plug 290'
	0745	4.5	0			100		start water
			5/0					start cement 40sks 60% Poz 4% gel
			10/0					start water
	0750		1					Balanced
								4th Plug 40'
	0825	2.5	0					start cement 10sks 60% Poz 4% gel
			3					End Cement
								Rat Hole
	0830	2.5	0					start cement 30sks 60% Poz 4% gel
			7					End Cement
								Well Plugged
								Thank you
								Nick, Josh E., & David



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

113 W. Main
Logan, KS 67646

ATTN: Richard Bell

36-3s-22w Norton,KS

Arnold Shearer #1-36

Start Date: 2011.06.18 @ 09:53:32

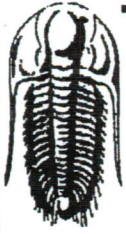
End Date: 2011.06.18 @ 16:26:02

Job Ticket #: 42417 DST #: 1

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, LLC.

113 W. Main
Logan, KS 67646

ATTN: Richard Bell

Arnold Shearer #1-36

36-3s-22w Norton, KS

Job Ticket: 42417

DST#: 1

Test Start: 2011.06.18 @ 09:53:32

GENERAL INFORMATION:

Formation: **LKC "A"**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 11:35:02
 Time Test Ended: 16:26:02

Test Type: Conventional Bottom Hole
 Tester: Dustin Rash
 Unit No: 38

Interval: **3584.00 ft (KB) To 3602.00 ft (KB) (TVD)**
 Total Depth: 3602.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2349.00 ft (KB)
 2344.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8354

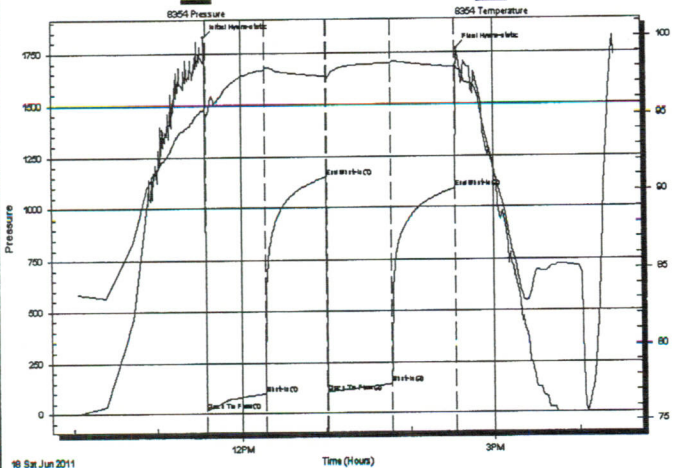
Inside

Press@RunDepth: 141.49 psig @ 3586.00 ft (KB)
 Start Date: 2011.06.18 End Date: 2011.06.18
 Start Time: 10:03:32 End Time: 16:26:02

Capacity: 8000.00 psig
 Last Calib.: 2011.06.18
 Time On Btm: 2011.06.18 @ 11:34:02
 Time Off Btm: 2011.06.18 @ 14:34:02

TEST COMMENT: IF-Weak building blow . BOB in 44 & 1/2 minutes.
 IS-No Return.
 FF-Weak building blow . Built to 10 & 1/2 inches.
 FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

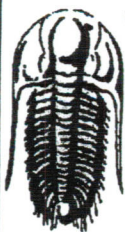
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1826.96	95.33	Initial Hydro-static
1	15.58	94.38	Open To Flow (1)
43	96.57	97.87	Shut-In(1)
87	1148.10	97.43	End Shut-In(1)
87	100.37	97.12	Open To Flow (2)
133	141.49	98.27	Shut-In(2)
179	1091.96	97.98	End Shut-In(2)
180	1767.96	97.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
277.00	85%Water/15%Water	2.77

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

Arnold Shearer #1-36

113 W. Main
Logan, KS 67646

36-3s-22w Norton,KS

ATTN: Richard Bell

Job Ticket: 42417

DST#: 1

Test Start: 2011.06.18 @ 09:53:32

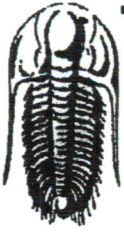
Tool Information

Drill Pipe:	Length: 3456.00 ft	Diameter: 3.80 inches	Volume: 48.48 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 5000.00 lb
		<u>Total Volume:</u>	<u>49.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3584.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3565.00	
Shut In Tool	5.00			3570.00	
Hydraulic tool	5.00			3575.00	
Packer	5.00			3580.00	20.00 Bottom Of Top Packer
Packer	4.00			3584.00	
Stubb	1.00			3585.00	
Perforations	1.00			3586.00	
Recorder	0.00	8354	Inside	3586.00	
Recorder	0.00	8520	Outside	3586.00	
Perforations	13.00			3599.00	
Bullnose	3.00			3602.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

Arnold Shearer #1-36

113 W. Main
Logan, KS 67646

36-3s-22w Norton, KS

Job Ticket: 42417

DST#: 1

ATTN: Richard Bell

Test Start: 2011.06.18 @ 09:53:32

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:	60000 ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: 0.09 ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
277.00	85%Water/15%Water	2.774

Total Length: 277.00 ft Total Volume: 2.774 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

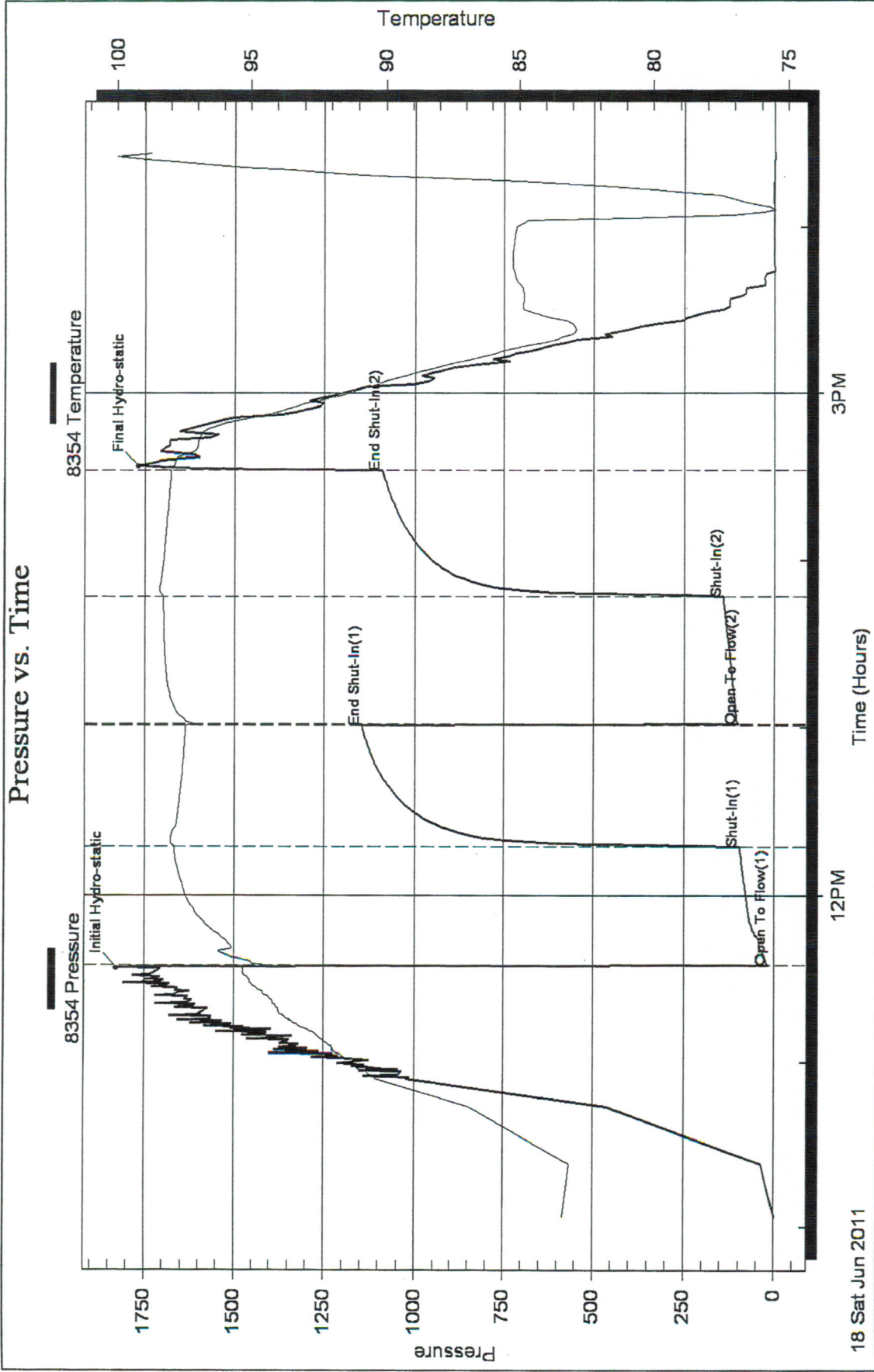
Inside

Baird Oil Company, LLC.

36-3s-22w Norton, KS

DST Test Number: 1

Pressure vs. Time

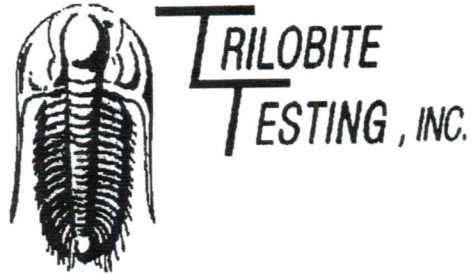


18 Sat Jun 2011

12PM

3PM

Time (Hours)



DRILL STEM TEST REPORT

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

113 W. Main
Logan, KS 67646

ATTN: Richard Bell

36-3s-22w Norton,KS

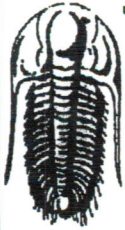
Arnold Shearer #1-36

Start Date: 2011.06.19 @ 19:30:15

End Date: 2011.06.20 @ 00:19:45

Job Ticket #: 42418 DST #: 2

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, LLC.

113 W. Main
Logan, KS 67646

ATTN: Richard Bell

Arnold Shearer #1-36

36-3s-22w Norton, KS

Job Ticket: 42418

DST#: 2

Test Start: 2011.06.19 @ 19:30:15

GENERAL INFORMATION:

Formation: **Basal Pen Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:18:45

Time Test Ended: 00:19:45

Interval: **3816.00 ft (KB) To 3870.00 ft (KB) (TVD)**

Total Depth: **3870.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **38**

Reference Elevations: **2349.00 ft (KB)**

2344.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8354

Inside

Press@RunDepth: **28.08 psig @ 3855.00 ft (KB)**

Start Date: **2011.06.19**

End Date:

2011.06.20

Start Time: **19:40:15**

End Time:

00:19:45

Capacity: **8000.00 psig**

Last Calib.:

2011.06.20

Time On Btm:

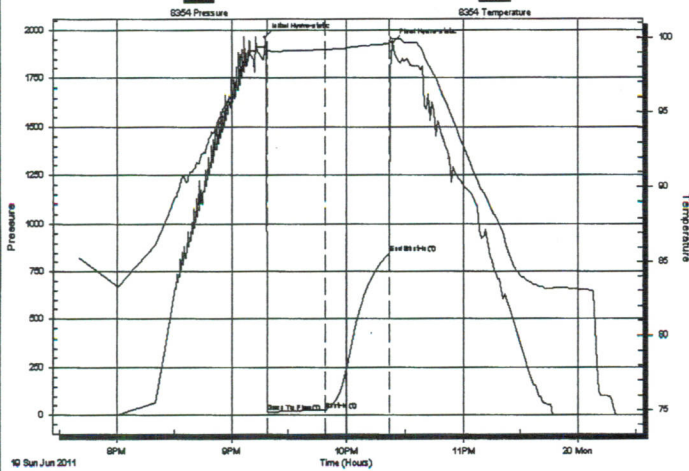
2011.06.19 @ 21:17:45

Time Off Btm:

2011.06.19 @ 22:23:45

TEST COMMENT: IF-Very weak surging surface blow . Built to 1/4 inch.
IS-No Return.
FF-Pulled tool.

Pressure vs. Time



PRESSURE SUMMARY

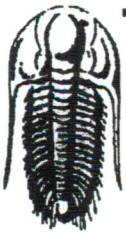
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.92	99.42	Initial Hydro-static
1	15.06	98.84	Open To Flow (1)
32	28.08	99.20	Shut-In(1)
65	846.14	99.57	End Shut-In(1)
66	1934.23	99.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	99%Mud/1%Oil	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC.

Arnold Shearer #1-36

113 W. Main
Logan, KS 67646

36-3s-22w Norton,KS

Job Ticket: 42418

DST#: 2

ATTN: Richard Bell

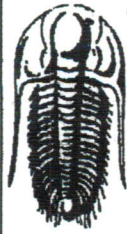
Test Start: 2011.06.19 @ 19:30:15

Tool Information

Drill Pipe:	Length: 3704.00 ft	Diameter: 3.80 inches	Volume: 51.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 4000.00 lb
			<u>Total Volume: 52.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3816.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3797.00	
Shut In Tool	5.00			3802.00	
Hydraulic tool	5.00			3807.00	
Packer	5.00			3812.00	20.00 Bottom Of Top Packer
Packer	4.00			3816.00	
Stubb	1.00			3817.00	
Perforations	5.00			3822.00	
Change Over Sub	1.00			3823.00	
Drill Pipe	31.00			3854.00	
Change Over Sub	1.00			3855.00	
Recorder	0.00	8354	Inside	3855.00	
Recorder	0.00	8520	Outside	3855.00	
Perforations	12.00			3867.00	
Bullnose	3.00			3870.00	54.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC.

Arnold Shearer #1-36

113 W. Main
Logan, KS 67646

36-3s-22w Norton, KS

Job Ticket: 42418

DST#: 2

ATTN: Richard Bell

Test Start: 2011.06.19 @ 19:30:15

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: 67.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.39 in³

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
15.00	99%Mud/1%Oil	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

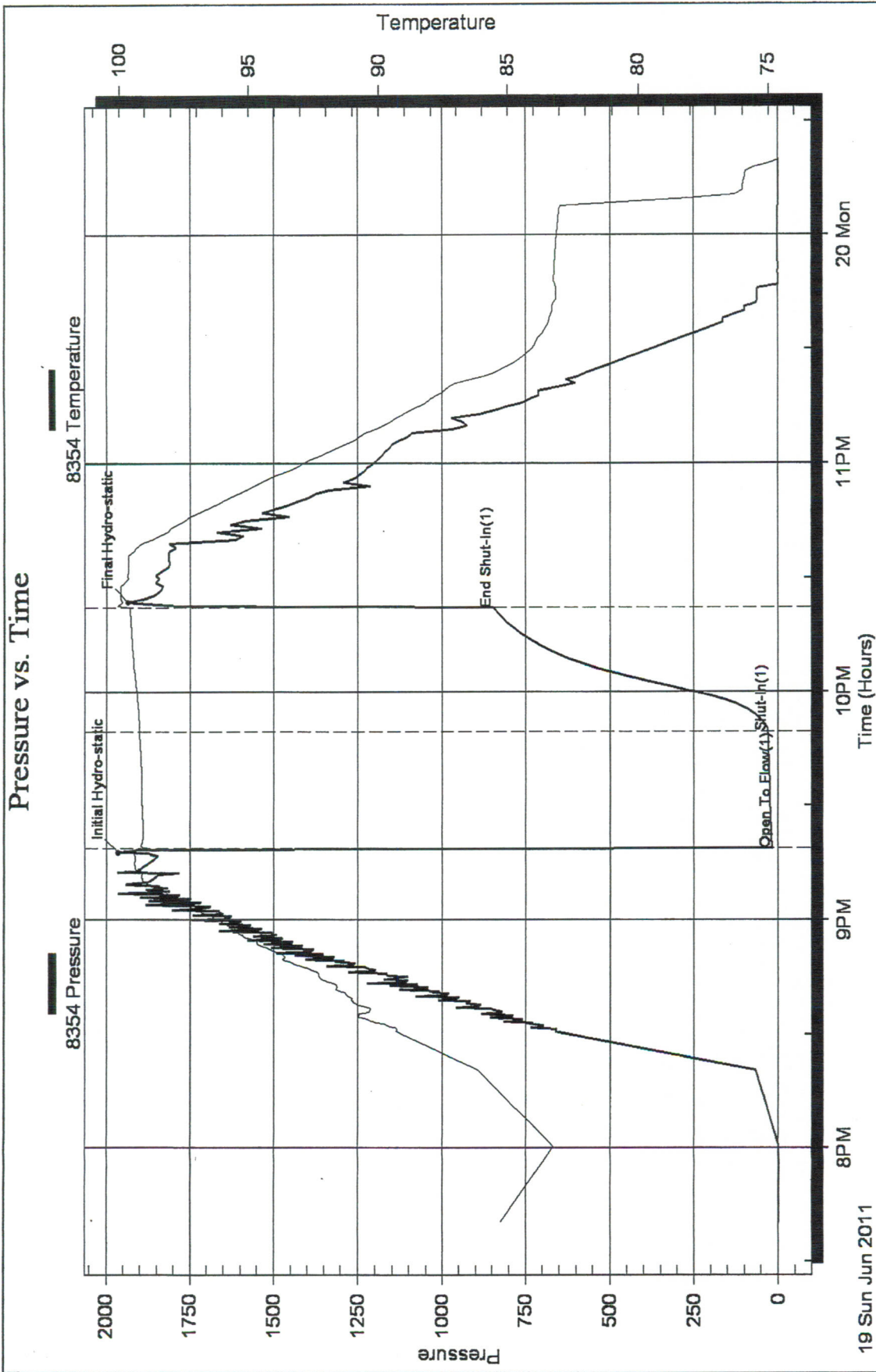
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



API # 15-137-20568-00-00

GEOLOGICAL REPORT
 DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC.
 LEASE Arnold Shearer #1-36
 FIELD Wildcat
 LOCATION 1205' FNL & 1690' FEL
 SEC 36 TWP 3s RGE 22W
 COUNTY Norton STATE Kansas

ELEVATION
 KB 2349'
 DF 2347'
 GL 2344'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR WW Drilling Rig #8
 SPUD 6-14-11 COMP 6-20-11
 SAMPLES SAVED FROM 3280' TO R.T.D.

CASING
 Surface 8 5/8" @ 243'
 Production none
 ELECTRIC LOGS
 Superior Well Services

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				●	-0-		
Anhydrite	2024	2021	+ 328	+ 323	+ 304		
Base Anhydrite	2052	2049	+ 300	+ 298	+ 277		
Topeka	3350	3350	-1001	- 989	-1011		
Heebner	3551	3550	-1201	-1187	-1213		
Toronto	3577	3576	-1227	-1213	-1239		
Lansing	3594	3593	-1244	-1229	-1255		
Base Kansas City	3784	3784	-1435	-1413	-1444		
Marmaton	3811	3811	-1462		-1473		
Precambrian	3843	3843	-1494	-1441	-1662		
Total Depth	3870	3869	-1507	-1478	-1668		

REFERENCE WELLS

- A Baird Oil Co., Esslinger-Graham Unit #1-36, 2600' FNL & 430' FNL Sec. 36-35-22W
- B Baird Oil Co., Hansen Foundation #1-31, 340' FNL & 1330' FEL Sec. 31-35-21W
- C
- D

REMARKS

This well ran 11 feet higher to 14 feet lower on the hanging top than the reference wells. After reviewing all pertinent information, it was decided this well should be plugged and abandoned.

Richard P. Bell
6-20-11

7502

LEGEND

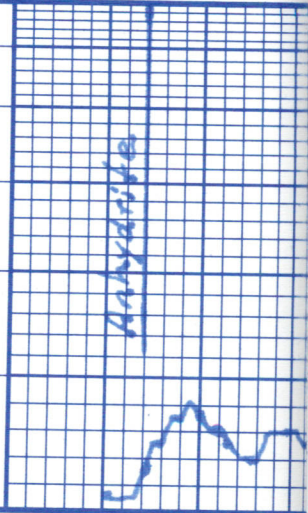
- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Ool. Lime
- Chert
- Dolomite

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



5" 10" 15" 20" 25"



DEPTH

2020

40

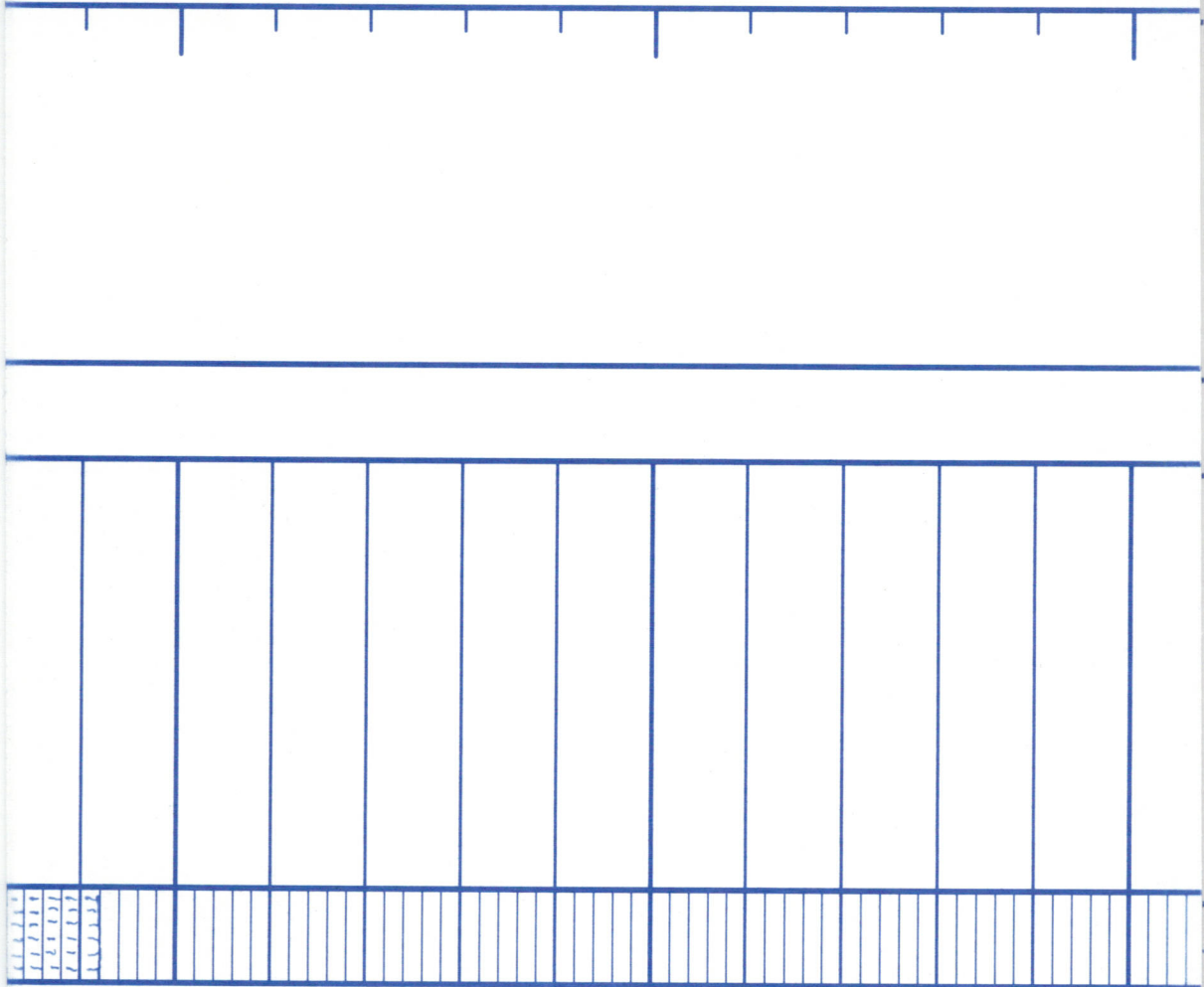
LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

LOG 7710

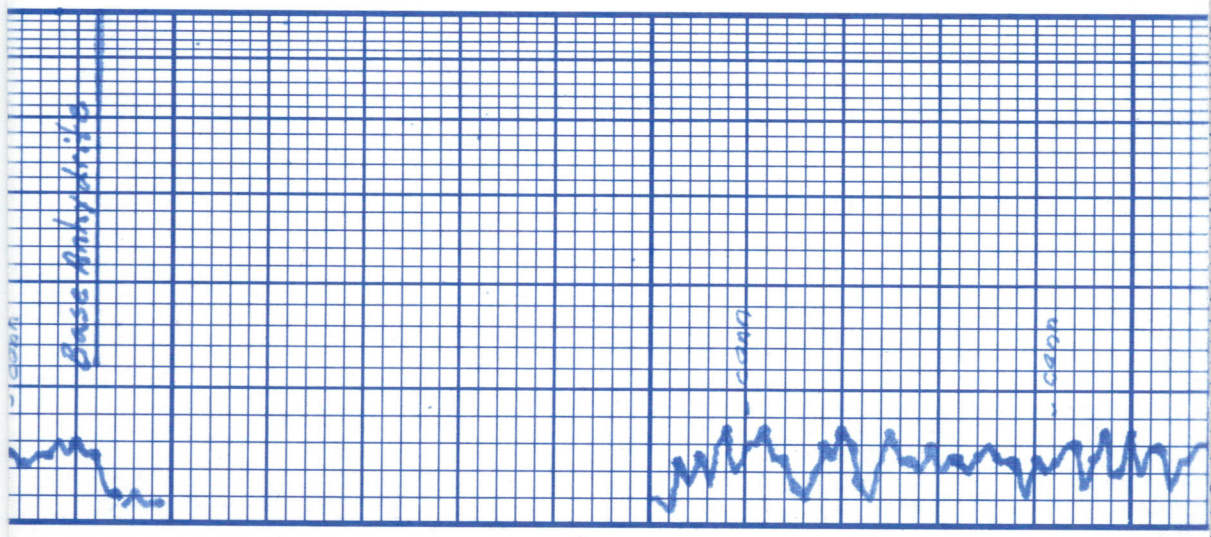


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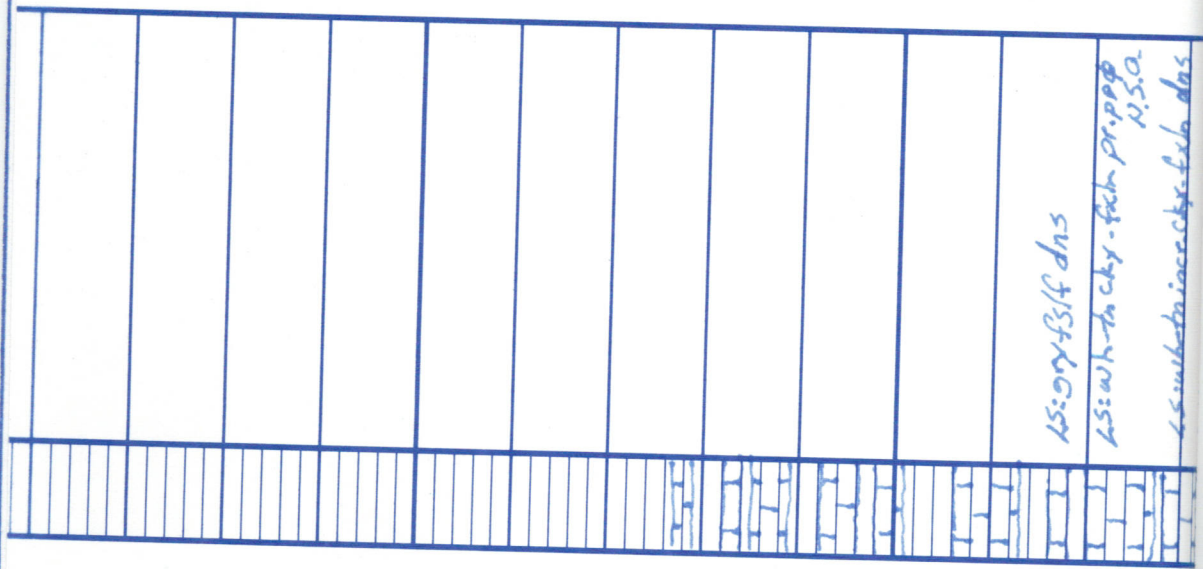
3100

20

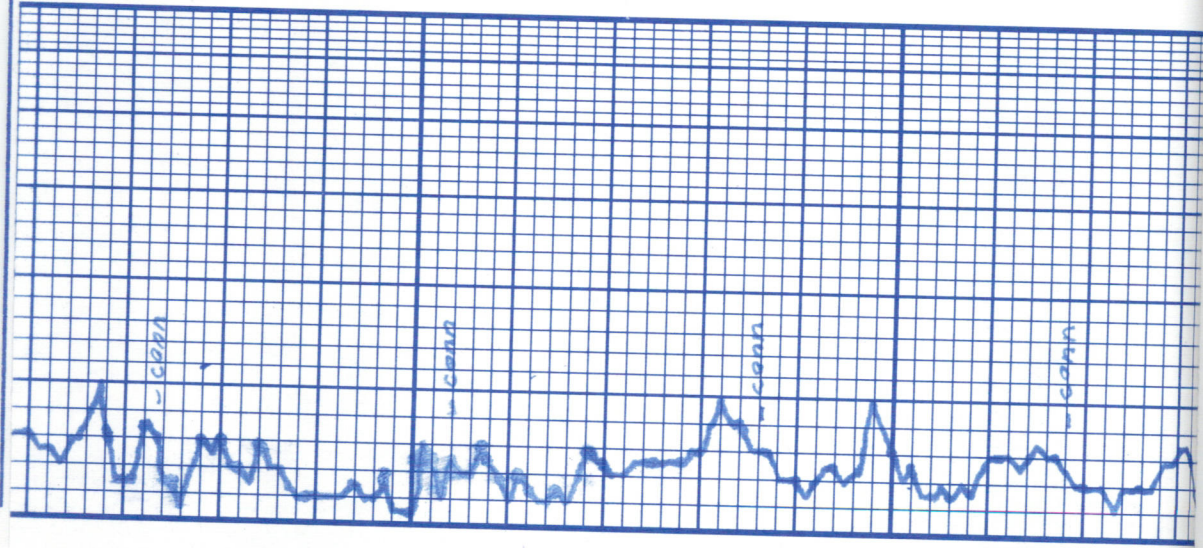
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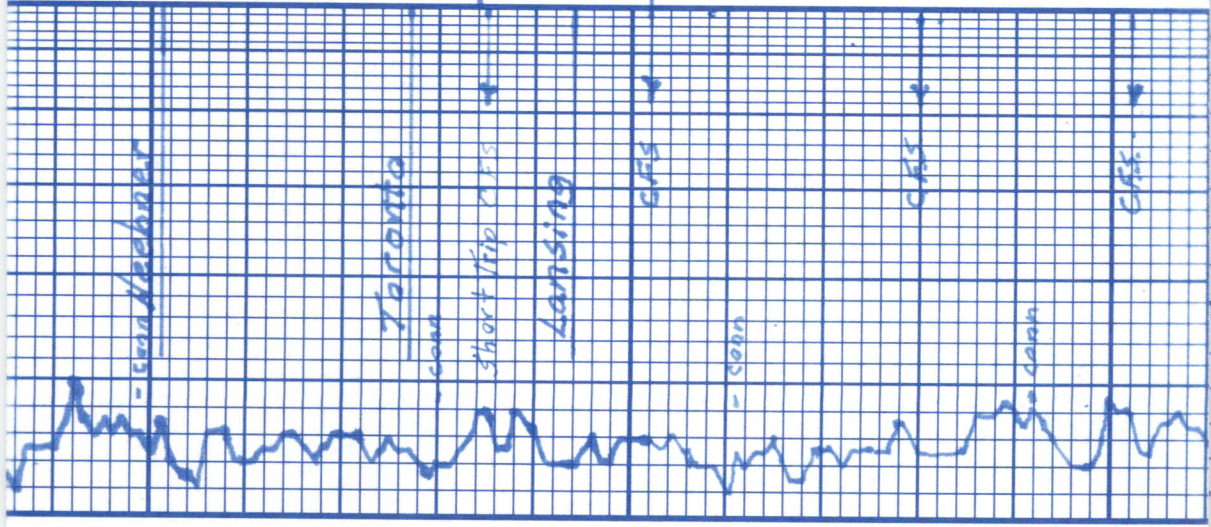


Samples are tagged
good samples



60
80
3200
20
40
60
80

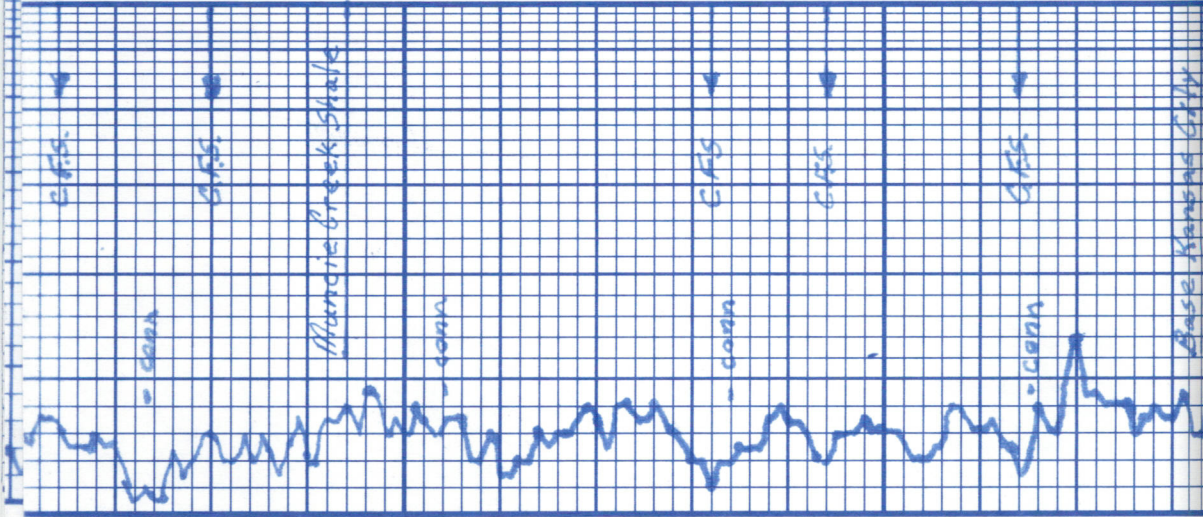




40
60
80
3600
20
40

LS: aa Sh: brn, gry	LS: wh-trn-gry slicky fch das TF Δ wh-gry	Sh: BIK Carb. LS: tn fs/f dng	Sh: brn	LS: wh-trn-cky-fch oil ppφ NSO. Δ wh-trn	LS: wh-trn fch oil fr. ppφ At. O str. ht. rainbows. o. PP fca. ft. odor	LS: wh-trn-cky-fch das NSO	Sh: brn	LS: wh-trn fch das NSO Δ wh-trn	Sh: brn. mar. gry	LS: wh-trn-cky-fch-oli. suc. friable ppφ N.S.O. Tr. Δ tn	LS: tn. H. gry fch Noviseb NSO LS: wh-trn v.cky-fch das N.S.O.
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Strap 3613.40
Board 3611.03
Diff. 2.37
Trilobite Testing
DST# / 3584-3602'
45-45-45-45
IF: B.O.B. in 44 1/2 min
ISI: No return
FF: incr. to 10 1/2 u
FSI: No return
Recovery: 277' MW
85% w, 15% M
HYD: 1827-1768#
FP: 16-97/100-141#
BHP: 1148-1092#
BH Temp: 98°F.
Chlorides: 60,000 PPM.



LS: wh. tn cky. fxlh sl. oöl. pr. ppp st. sprd o stn floating f.o. g. odor. N. S. O. gry	LS: wh. tn cky. fxlh oöl. - oöl. seat sprd o stn fr floating f.o. fr odor	LS: wh. tn fxlh dns Δ gry	LS: tn fsl & dns 3hly: gry sty	LS: wh. tn cky. fxlh No v. sp N. S. O.	LS: gry fsl & dns sh: brn sty, gry sty	LS: wh. tn cky. fxlh dns N. S. O.	LS: tn fxlh oöl. pr. ppp st. o stn N. F. O. No odor	sh: brn sty	LS: wh. tn cky. fxlh fr. fxlh oöl w/ fss. inclus. pr. ppp trblko spks pff.o. No odor	sh: brn sty, gry	LS: wh. tn v. cky. fxlh dns N. S. O.
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'F' 80
'G' 3700
'H' 20
I 40
'J' 60
'K' 80
'L'

✓
✓
✓
✓

