



KANSAS CORPORATION COMMISSION 1106462
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 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:
 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 #: _____
8/30/2012 9/7/2012 10/1/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-137-20612-00-00
Spot Description: _____
SE NW NW SW Sec. 25 Twp. 3 S. R. 22 East West
2145 Feet from North / South Line of Section
480 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Norton
Lease Name: Jacobson Well #: 1-25
Field Name: _____
Producing Formation: Marmaton
Elevation: Ground: 2344 Kelly Bushing: 2344
Total Depth: 3993 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 259 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: 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

Letter of Confidentiality Received
Date: 01/03/2013

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NAOMI JAMES Date: 01/04/2013

1106462

Operator Name: Baird Oil Company LLC Lease Name: Jacobson Well #: 1-25
 Sec. 25 Twp. 3 S. R. 22 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E. Logs Run:
 Rag
 Micro

CASING RECORD <input checked="" 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
Surface	12.25	8.625	24	259	Standard	160	3%cc,2%gel
Production	7.875	5.5	14	3917	60/40 Poz	490	SMD 3/4# flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
..... Perforate				
..... Protect Casing	-			
..... Plug Back TD				
..... Plug Off Zone	-			

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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 (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
				Gravity

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Jacobson 1-25
Doc ID	1106462

Tops

Anhydrite	2032	+312
Base Anhydrite	2060	+284
Topeka	3348	-1004
Heebner	3548	-1204
Toronto	3574	-1230
Lansing	3589	-1245
Base Kansas City	3779	-1435
Marmaton	3804	-1461
Granite	3878	-1524
Total Depth	3993	-1549

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

January 02, 2013

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

Re: ACO1
API 15-137-20612-00-00
Jacobson 1-25
SW/4 Sec.25-03S-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 #
8/30/2012	21872

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	#1-25	Jacobson	Norton	WW Drilling	Oil	Development	Cement Surface	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-S	Pump Charge - Shallow Surface (7' 500 Ft.) - 259 Feet				1	Job	1,000.00	1,000.00
290	D-Air				2	Gallon(s)	35.00	70.00
325	Standard Cement				160	Sacks	13.50	2,160.00
278	Calcium Chloride				5	Sack(s)	40.00	200.00
279	Bentonite Gel				3	Sacks	25.00	75.00
581D	Service Charge Cement				160	Sacks	2.00	320.00
583D	Drayage				629.6	Ton Miles	1.00	629.60
	Subtotal							4,934.60
	Sales Tax Norton County						7.05%	176.60
<p><i>Jacobson 11/2/12 5111.20</i></p> <p><i>30,000.00 Pump Charge, Cement</i></p> <p><i>4,934.60 Cement</i></p> <p><i>176.60 Drayage</i></p>								
We Appreciate Your Business!							Total	55,111.20



CHARGE TO: Boird Oil Co
 ADDRESS:
 CITY STATE ZIP CODE:

TICKET
 # 21872

PAGE 1 OF 1

SERVICE LOCATIONS: 1 Hays, KS
2 Ness City, KS
 WELL PROJECT NO: 1-25
 LEASE: Jacobson
 COUNTY/PARISH: Norton
 STATE: Ks
 CITY: Norton
 DATE: 3-30-12
 OWNER:
 TRUCK TYPE: SERVICE SALES
 CONTRACTOR: W.W. Doby
 RIG NAME/NO:
 SHIPPED VIA: CT
 DELIVERED TO: SE/Norton, Ks
 ORDER NO:
 WELL TYPE: oil
 WELL CATEGORY: wildcat
 JOB PURPOSE: Concret Surface
 WELL PERMIT NO:
 WELL LOCATION:
 REFERRAL LOCATION:
 SPECIAL INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY	UM	RTY	UM	UNIT PRICE	AMOUNT
		DEBIT	CREDIT	DR							
575		1			MILEAGE #113	21	Mi			600	-12600
576 S		1			Pump Charge - Cont Shallow Surface	1	ea	250	/hr	10000	10000
576		1			Ti-Air	2	gal			350	700
325		2			Standard Cont	100	hrs	15000	/hr	1350	210000
278		2			Calcium Chloride 3/4	5	SKS	400	/hr	400	2000
279		2			Protonite Pel 3/4	3	SKS	300	/hr	2500	7500
581		2			Service Charge - Concret	100	hrs	15000	/hr	200	32000
583		2			80 Mi (629.6)	15	hrs	700	/hr	100	629.6

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 [Signature]
 DATE SIGNED: 3-30-12 TIME SIGNED: 1:20
 AM
 PM

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

SURVEY

AGREE	DIS-AGREE
UN-DECIDED	DIS-AGREE

OUR EQUIPMENT PERFORMANCE 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 DOES NOT WISH TO RESPOND

PAGE TOTAL	7931.60
TAX 7.6%	760
TOTAL	8691.60

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

SWIFT OPERATOR
[Signature]
 APPROVAL

Thank You

JOB LOG

SWIFT Services, Inc.

DATE 8-30-12 PAGE NO. 1

CUSTOMER Buried Oil Co WELL NO. 1-25 LEASE Jacobson JOB TYPE Cement Surface TICKET NO. 21572

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		15-259	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	1800								On location / 160 STS Start 2 1/2 gal
	1950								Setup Trk - (Rig Dlg) 3 1/2 cc
	2000								Fin Run casing
									C/A casing - clean down
									Fin C/A - Hook to Swift
							100		Start H ₂ O ahead - 5881
		4 1/2	5				120		Start 160 STS Start
		4 1/2	39				75		Fin cont - Start Displ
	2030	4 1/2	15 1/4				125		Fin Displ - Close in - 20' Luff in Casing
							0		Release & Wagon up Trk
									to Reelup
	2100								Job Complete
									Thanks Alan, Brian, Isaac
									5 STS cont circ to pit

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
9/7/2012	21884

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	#1-25	Jacobson	Norton	WW Drilling #8	Oil	Development	LongString	Nick
PRICE REF	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-1	Pump Charge - Long String - 3920 Feet				1	Job	1,500.00	1,500.00
221	Liquid KCl (Clayfix)				2	Gallon(s)	25.00	50.00
280	Flocheck 21				500	Gallon(s)	2.50	1,250.00
290	D-Air				3	Gallon(s)	35.00	105.00
402-5	5 1/2" Centrifizer				11	Each	70.00	770.00
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00
411-5	5 1/2" Recipe Scratcher				40	Each	45.00	1,800.00
325	Standard Cement				200	Sacks	13.50	2,700.00
326	60-40 Pozmix (2% Gel)				40	Sacks	11.00	440.00
276	Flocheck				50	Lbs(s)	2.00	100.00
277	Gilsonte (Coal Seal)				500	Lbs(s)	0.75	375.00
283	Salt				850	Lbs(s)	0.20	170.00
285	CFR-1				100	Lb(s)	4.00	400.00
581D	Service Charge Cement				240	Sacks	2.00	480.00
583D	Drayage				943.5	Ton Miles	1.00	943.50
	Subtotal							14,813.50
	Sales Tax Norton County						7.05%	804.41
	Jacobson				1,000.00			1,000.00
	Cement				1,000.00			1,000.00
	Flocheck				1,000.00			1,000.00
	D-Air				1,000.00			1,000.00
	Centrifizer				1,000.00			1,000.00
	Basket				1,000.00			1,000.00
	Port Collar				1,000.00			1,000.00
	Latch Down Plug & Baffle				1,000.00			1,000.00
	Insert Float Shoe With Auto Fill				1,000.00			1,000.00
	Recipe Scratcher				1,000.00			1,000.00
	Standard Cement				1,000.00			1,000.00
	60-40 Pozmix (2% Gel)				1,000.00			1,000.00
	Flocheck				1,000.00			1,000.00
	Gilsonte (Coal Seal)				1,000.00			1,000.00
	Salt				1,000.00			1,000.00
	CFR-1				1,000.00			1,000.00
	Service Charge Cement				1,000.00			1,000.00
	Drayage				1,000.00			1,000.00
We Appreciate Your Business!							Total	\$15,617.91



ACCOUNT NO: Baird Oil Co.
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET
N° 21884

PAGE 1 OF 2

SERVICE LOCATIONS: 1. Hays, KS; 2. Ness City, KS
 WELL PROJECT NO: 1-25
 LEASE: Jacobsen
 COUNTY/PARISH: Norton
 STATE: KS
 CITY:
 DATE: 9-7-12
 OWNER: Same
 TICKET TYPE: SERVICE SALES
 CONTRACTOR: W & W #8
 RIG NAME/NO:
 SHIPPED VIA: C/H
 DELIVERED TO: Location
 ORDER NO:
 WELL TYPE: oil
 WELL CATEGORY: Development
 JOB PURPOSE: Longstring
 WELL PERMIT NO:
 WELL LOCATION:
 REFERRAL LOCATION:
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UM		UNIT PRICE	AMOUNT
		QTY	ACCT	QTY		UM					
575		1			MILEAGE #111	80		mi		6.00	480.00
578		1			Pump Charge (Longstring)	1	3920			1500.00	1500.00
221		1			ACL	2		gal		25.00	50.00
280		1			Flashed #1	500		gal		2.50	1250.00
290		1			D-Air	3		gal		35.00	105.00
402		1			Centralizers	1	5 1/2"			70.00	70.00
403		1			Basket	1				250.00	250.00
404		1			Port Collar	1				2400.00	2400.00
406		1			1 D Plug + Baffle	1				250.00	250.00
407		1			Insert Float Shoe w/ #11	1				350.00	350.00
411		1			Recipe Switches	40				45.00	1800.00

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.

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

SURVEY	AGREE	UN DECIDED	DIS AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4205	
WE UNDERSTOOD AND MET YOUR NEEDS?				3608	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				14813	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RETURN				TOTAL	17,017.00

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 DATE SIGNED: 9-7-12
 TIME SIGNED: 2:00
 AM
 PM

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

NET OPERATOR: Mark Koche

SPECIAL AGENT: Richard Bell

Thank You



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 21884

CUSTOMER: Baird Oil Co. WELLS: #1-25 Jacobsen DATE: 9-7-12 PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UM		UNIT PRICE	AMOUNT	
		LOG	ACCT	DR			QTY	UM	QTY	UM			
325		2				Standard Cement	200	sk			13.50	2700.00	00
326		2				60% Sul mix 2" bag	40	sk			11.00	440.00	00
276		2				Flocle	50	#	1/4	1/5k	2.00	100.00	00
277		2				Coal sea	500	#	12	1/6k	.75	375.00	00
283		2				Salt	850	#	18	1/0	.20	170.00	00
285		2				CFR-1	100	#	4	1/0	4.00	400.00	00
581						SERVICE CHARGE					2.00	480.00	00
583						RELEASE CHARGE					1.00	943.50	50
											CONTINUATION TOTAL		5608.50

240 sks
TOTAL WEIGHT 23584
LOADED MILES 80

CUBIC FEET
TON MILES 943.5

JOB LOG

SWIFT Services, Inc.

DATE 7-7-12 PAGE NO.

CUSTOMER Bard Oil Co. WELL NO. A1-25 LEASE Jacobsen JOB TYPE Logging TICKET NO. 21884

CHART NO.	TIME	RATE (BPM)	VOLUME (HBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							on loc w/FE
								RTD 2920' LTD 2918'
								Cent. 1-10, 44
								Basket 45
								P.C. 45 @ 2030'
								5 1/2" x 14" x 3721' x 22'
	1545							Start FE
	1745							Break Circ.
	1845	2.5	7					Plug AH 30 sks 80 P ₀₂
	1850	5	0				100	Start KCL Flush
		5	15/0				200	Start Flochok-2 L
		5	12/0				200	Start KCL Flush
		5	5/0				200	Start 5/8" Galap 27 gal
		5	5/0				200	Start Standard Cement 200 sks
	1920		43					End Cement
								Wash Pth
								Drop L.D. Plug
	1925	6	0				150	Start Displacement
		5	60				250	Catch Cement
	1940		95				375/1000	Land Plug
								Release Pressure
								Floater Hold

Thank you

Nick, David E. + Jeremy



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



Invoice

DATE	INVOICE #
9/10/2012	21930

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	#1-25	Jacobson	Norton	Bach Well Service	Oil	Development	Cement Port Collar	Wayne
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-E	Pump Charge - Port Collar				1	Job	1,250.00	1,250.00
105	Port Collar Tool Rental With Man				1	Each	350.00	350.00
330	Swift Multi-Density Standard (MIDCON II)				225	Sacks	16.50	3,712.50
276	Floccle				75	Lib(s)	2.00	150.00
290	D-Air				3	Gallon(s)	35.00	105.00
581D	Service Charge Cement				250	Sacks	2.00	500.00
583D	Drayage				999	Ton Miles	1.00	999.00
	Subtotal							7,546.50
	Sales Tax Norton County						7.05%	304.38
<p>R 9/10/12 P 9/11/12 Jacobson - 19,400 7316.20 Jacobson - 25 - pump charge cement + other pipe exchange used to cement port collar Jacobson - 1000 534.68 Jacobson - 25 - 1 sack of port collar incl 1 man with cementing port collar</p>								
We Appreciate Your Business!							Total	\$7,850.88



CHARGE TO: **BAIRD OIL Co.**
 ADDRESS:
 CITY STATE ZIP CODE:

TICKET
 No 21950

PAGE 1 OF 1

SERVICE LOCATIONS: 1 **NESS CITY, KS**

WELL PROJECT NO: **1-25** LEASE: **JACOBSEN** COUNTY/PARISH: **NORTON** STATE: **Ks** CITY: DATE: **9-10-12** OWNER: **SAME**

TICKET TYPE: SERVICE SALES CONTRACTOR: **BRAD WELLS SERVICE** RIG NAME/NO.: SHIPPED VIA: **CT** DELIVERED TO: **LOCATION** ORDER NO.:

WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **CEMENT PORT COLLAR** WELL PERMIT NO.: WELL LOCATION: **5/1 NORTON, KS - Q20, 7E, 3/4S**

REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			UM		UM		
575		1			MILEAGE * 114	80			MI	6.00	480.00
576D		1			PUMP CHARGE	1			JOB	1250.00	1250.00
105		1			PORT COLLAR OPENING TOOL	1			JOB	350.00	350.00
330		1			SWIFT MULTIE-DENSITY STANDARD	225			YDS	16.50	3712.50
276		1			FLOOSE	75			LBS	2.00	150.00
290		1			D-ADR	3			YDS	35.00	105.00
581		1			SERVICE CHARGE CEMENT	250			YDS	2.00	500.00
583		1			DEBRIS	24975		999	YD	1.00	999.00

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: **9-10-12** TIME SIGNED: **1300**
 AM PM

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	7546.50
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	7850.50

Norton
 TAX **7.05%** **304.30**

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

SWIFT OPERATOR: **Wayne Wilson** APPROVAL:

Thank You

JOB LOG

SWIFT Services, Inc.

DATE 9-10-12 PAGE NO.

CUSTOMER **BAIRD OIL Co** WELL NO. **1-25** LEASE **JACOBSEN** JOB TYPE **CEMENT PORT COLLAR** TICKET NO. **21950**

CHART NO	TIME	RATE (BPM)	VOLUME (BBL / GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION
								TUBING - 2 7/8 CASING - 5 1/2 PORT COLLAR - 2030'
	1455				✓		1000	PSI TEST CASING - HEAD
	1500	4	3	✓		350		OPEN PORT COLLAR - 2ST RATE
	1505	4 1/2	125	✓		300		MAX CEMENT - 225 SKS SMD = 11.2 PPG
	1535	4 1/2	10 3/4	✓		500		DISPLACE CEMENT
	1545				✓		1000	CLOSE PORT COLLAR - PSI TEST HEAD
								CIRCULATED 15 SKS CEMENT TO PORT
	1555	4 1/2	25	✓			400	RUN 5 ITS - CIRCULATE CLEAN
								WASH TRUCK
	1700							JOB COMPLETE
								THANK YOU WAYNE, TY, DOUG

APR #15-137-20612-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Baird Oil Company, LLC.</u>	ELEVATION
LEASE <u>Jacobson #1-25</u>	KB <u>2344'</u>
FIELD _____	DF <u>2342'</u>
LOCATION <u>2145' FSL & 480' FWL</u>	GL <u>2339'</u>
SEC <u>25</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>WU Drilling Rig #8</u>	CASING
SPUD <u>8-30-12</u> COMP <u>9-7-12</u>	Surface <u>8-52' to 259'</u>
SAMPLES SAVED FROM <u>3300</u> TO <u>R.T.D.</u>	Production <u>550.3912'</u>
	ELECTRIC LOGS
	<u>Superior Well Services</u>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATE	A	B	C	D
			<u>8/10/12</u>	•	•		
<u>Anhydrite</u>	<u>2031</u>	<u>2032 +</u>	<u>312</u>	<u>+ 325</u>	<u>+ 315</u>		
<u>Base Anhydrite</u>	<u>2060</u>	<u>2060 +</u>	<u>284</u>	<u>+ 297</u>	<u>+ 288</u>		
<u>Tanoka</u>	<u>3348</u>	<u>3348 -</u>	<u>1004</u>	<u>- 995</u>	<u>- 999</u>		
<u>Maebner</u>	<u>3548</u>	<u>3548 -</u>	<u>1204</u>	<u>- 1196</u>	<u>- 1199</u>		
<u>Tarrant</u>	<u>3574</u>	<u>3574 -</u>	<u>1230</u>	<u>- 1222</u>	<u>- 1225</u>		
<u>Lansing</u>	<u>3590</u>	<u>3589 -</u>	<u>1245</u>	<u>- 1237</u>	<u>- 1241</u>		
<u>Base Kansas City</u>	<u>3780</u>	<u>3779 -</u>	<u>1435</u>	<u>- 1430</u>	<u>- 1430</u>		
<u>Marmaton</u>	<u>3807</u>	<u>3804 -</u>	<u>1461</u>	<u>- 1461</u>	<u>- 1457</u>		
<u>Granite</u>	<u>3879</u>	<u>3878 -</u>	<u>1524</u>	<u>- 1516</u>	<u>- 1529</u>		
<u>Total Depth</u>	<u>3920</u>	<u>3993 -</u>	<u>1549</u>	<u>- 1546</u>	<u>- 1544</u>		

REFERENCE WELLS

- ^A Baird Oil Co. LLC, Esslinger Ranch, Tract #1-21, 910' FSL & 1635' FWL Sec 26-35-22W
- ^B Baird Oil Co. LLC, Esslinger Ranch, Tract #2-26, 2265' FSL & 830' FWL Sec 26-35-22W
- ^C
- ^D Port Collar @ 2030'

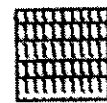
7502

REMARKS

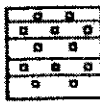
This well ran 4 to 8 feet lower on the hanging log than the reference wells. Results on DST #7 encouraged cementing of production casing to further test the well. Good sample shows from 3851' to 3878' have low resistivity and were tested. They could be perforated and tested again. The following zones should be tested; 3805'-3813' 3663'-3669'.

Richard L. Bell
9-7-12

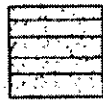
LEGEND



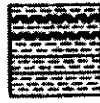
Anhydrite



Salt



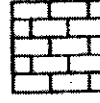
Sandstone



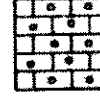
Shale



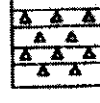
Carb sh



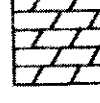
Limestone



Ool. Lime



Chert



Dolomite

LOG 7710

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Decreases

5" 10" 15" 20" 25"



DEPTH

2020

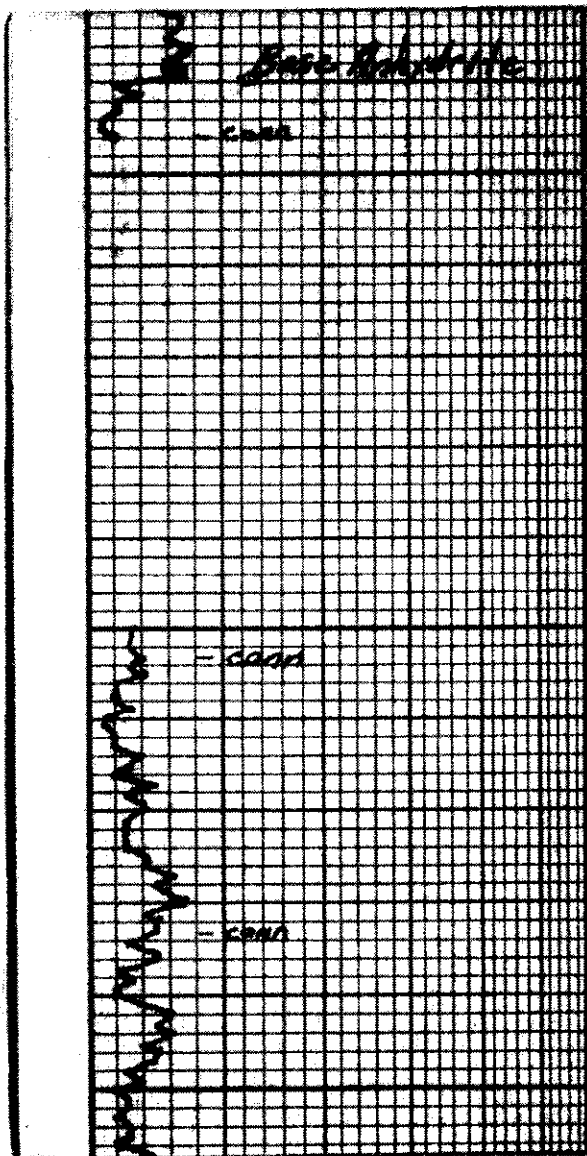
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LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

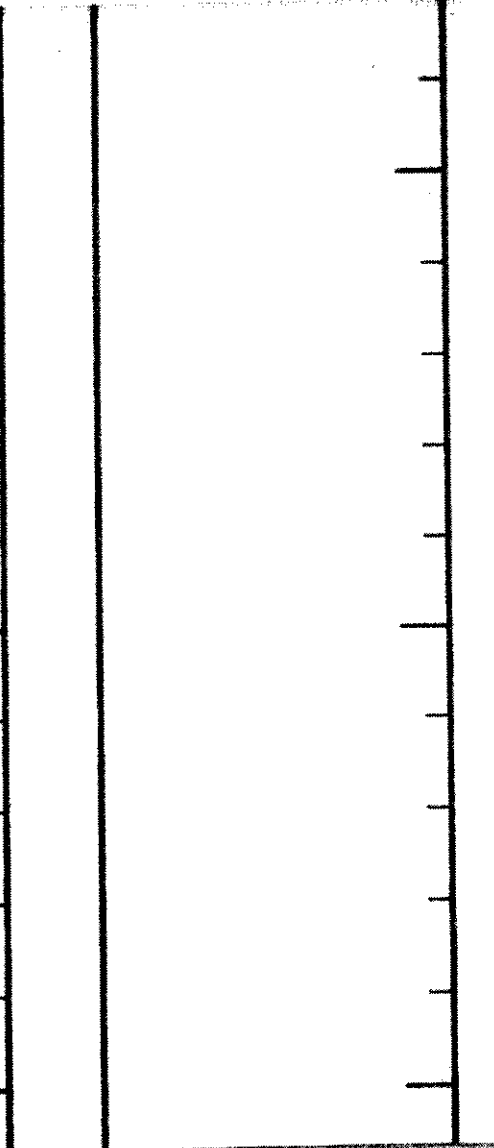


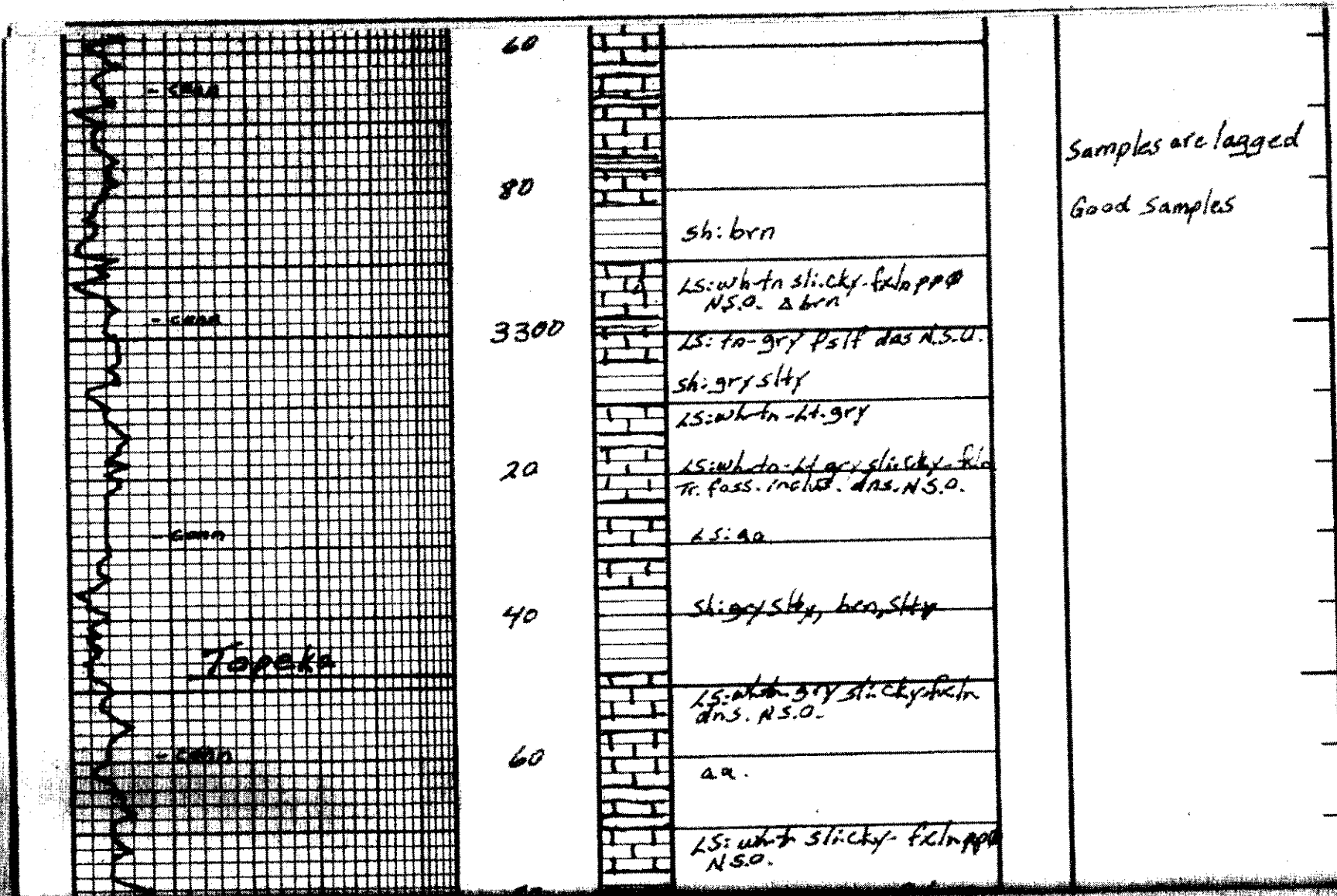
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3200

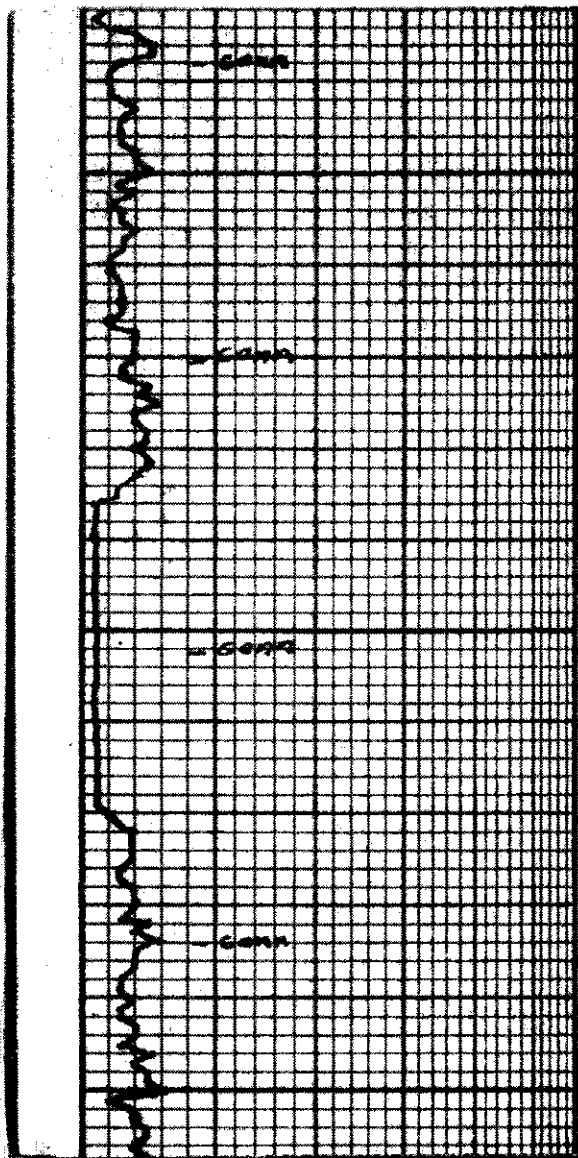
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40





Topeka



3400

20

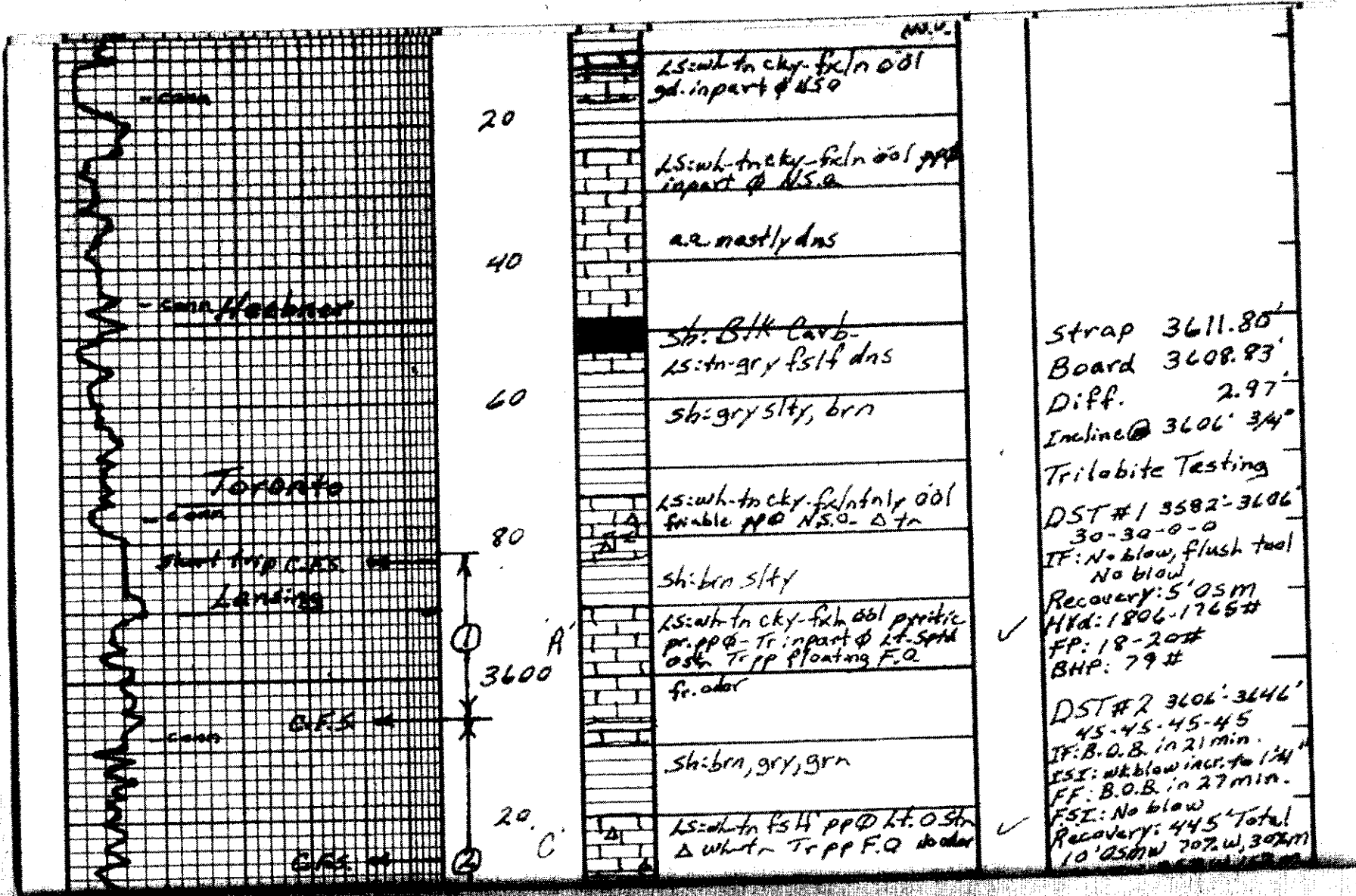
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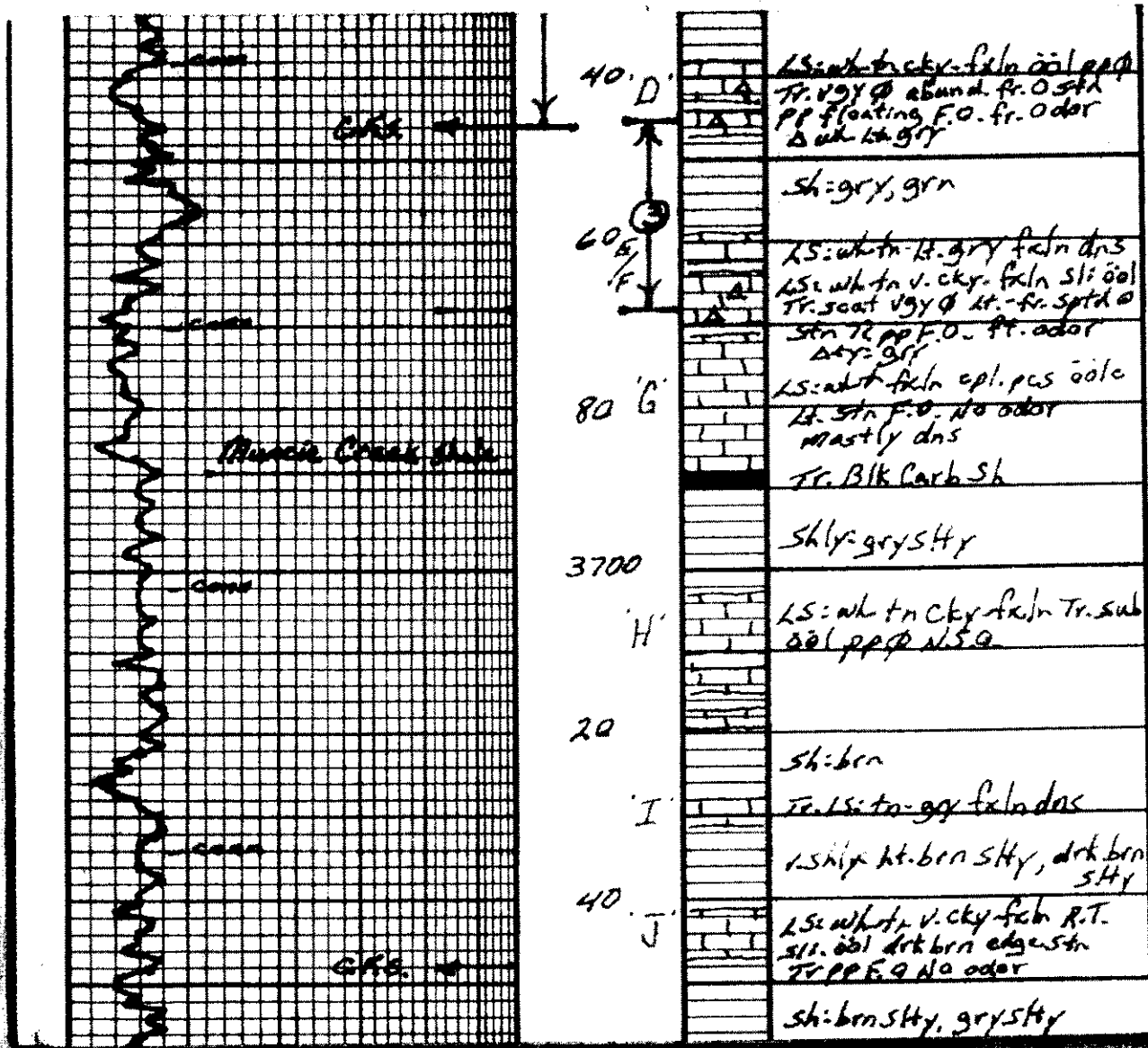
60

80

3500

[Symbol]	pp & N.S.D. sh: brn slty, gry slty
[Symbol]	LS: wh. to ht. gry v. cky-fcln ool w/ foss. inclus. pp & - in part of friable N.S.D.
[Symbol]	LS: wh. to ht. gry sl. cky- fcln das Tr Δ tr
[Symbol]	Sh: gry, brn Tr SS v. fm. on consol. in gran of N.S.D.
[Symbol]	SS. a. a. incr sh: brn slty
[Symbol]	v. shly: brn slty
[Symbol]	LS: wh. to cky-fcln ool pp & N.S.D.
[Symbol]	LS: wh. to ht. gry cky-fcln ool lot foss. inclus. pp & sh: brn, gry, Tr bkr bars. LS: wh. to brn cky-fcln ds.





LS: wh. to cky. fcln oil pp
 Tr. vgy φ abund. fr. O stn
 PP floating F.O. fr. odor
 Δ ut. lt. gr

sh: gry, grn

LS: wh. to lt. gry fcln dns
 LS: wh. to v. cky. fcln slt oil
 Tr. scat vgy φ lt. fr. spth φ
 stn r. pp F.O. fr. odor
 Δ ut. gry

LS: wh. to fcln cpl. pus oil
 Lt. stn F.O. no odor
 mostly dns
 Tr. Blk Carb Sh

shly: gry stly

LS: wh. to cky. fcln Tr. sub
 oil pp n.s.g.

sh: brn

Tr. ls: to gry fcln dns
 1. shly ht. brn stly, drk brn
 stly

LS: wh. to v. cky. fcln R.T.
 slt. oil drk brn edge stn
 Tr. pp F.O. No odor

sh: brn stly, gry stly

183'rw 95% w 57% m
 Hyd: 1823-1806#
 FP: 23-148/164-243#
 BHP: 1175-1233#
 BHTemp: 98°F.
 Chlorides: 72,000 ppm

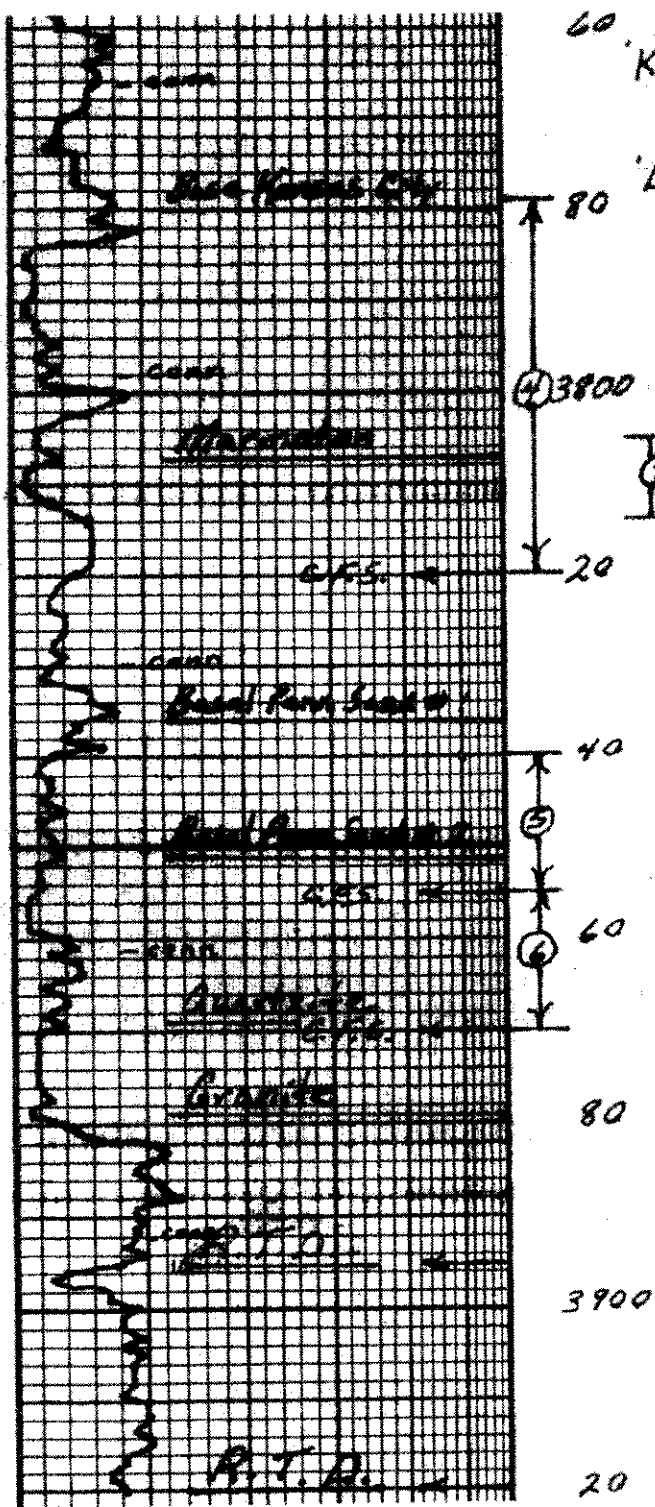
DST#3 3645'-3668'
 30-30-30-30
 IF: ut. blow inc. to 1 1/8"
 FF: No blow
 Recovery: 60'05m
 Hyd: 1838-1805#
 FP: 18-34/36-49#
 BHP: 1181-1172#
 BHTemp: 95°F.

DST#4 3779'-3820'
 15-45-30-45
 IF: B.O.B. in 3min.
 ISI: No blow
 FF: B.O.B. in 5min.
 FSI: No blow
 Recovery: 655' Total
 1' C.O.

156'OCMW 18%O, 4%W
 50% m
 189'OCMW 5%O, 80%W
 15% m
 189'OCMW 29%G, 1%O
 60%W, 10% m
 120'OCMW 27%O, 93%W
 5% m

Hyd: 1910-1839#
 FP: 131-183/247-331#
 BHP: 1068-995#
 BHTemp: 99°F.

DST#5 3840'-3855'
 30-30-30-30



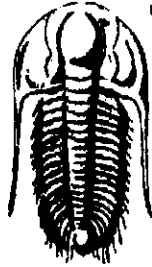
LS wh. lt. gry, ben film dar Tr glauc. spks R.S.O.
LS: wh. to cky. sh. Tr. sh. fsf pr. pp @ N.S.O. Δ wh. gry Tr. ss v. fn. gn consol. in gran @ N.S.O.
v. shly: brn
LS: wh. film oil sh. & sh. partly drk O sat Thick drk brn F.O. ff. odor
shly: brn, gry
LS wh. lt. gry sticky-fictid SS wh. v. fn. gn consol. in gran Tr. sat. O. sh. Tr. flaking F.O. lot of barren
SS a q
SS wh. gry fn. md gn consol abun drk O sat. bleeding F.O. str. odor
SS wh. clr. fn. md gn consol clr. frost. rnd. sub end glauc spks decr. str lot of barren Tr. quartzite w/ drk O sh Hunting B.P.
Quartz, biotite- feldspar
Trashy, Tr. Quartz, biotite, feldspar
atz, biot, felds

FF: No blow
Recovery: 10' 0.5M
Hyd: 1931-1880#
FP: 22-28/30-35#
BHP: 731-562#
BH Temp: 98°F.

DST # 3855-3870'
30-30-0-0
IF: wk bloodied in 3 min
Recovery: 5' 0.5M
Hyd: 1943-1899#
FP: 21-44#
BHP: 1026#
BH Temp: 96°F.

Straddle Test
DST # 73805-3814'
45-45-45-45
IF: wk blow incr. to 8 1/4"
ISI: wk blow incr. to 2"
FF: wk blow incr. to 7 1/8"
FSI: surface blow after
35 min
Recovery: 180' Total
120' C.O.
60' OC MW 30% O.
40% W, 30% M
Hyd: 1933-1878#
FP: 25-68/80-92#
BHP: 919-977#
BH Temp: 95°F.
gravity: 18° A.P.I.

Original T.D. 3895'
Drilled to 3920' after
logging.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.03 @ 06:32:00

End Date: 2012.09.03 @ 10:33:30

Job Ticket #: 48076 DST #: 1

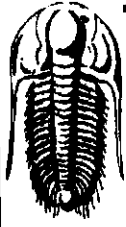
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 15:02:21

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 1 LKC "A" 2012.09.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

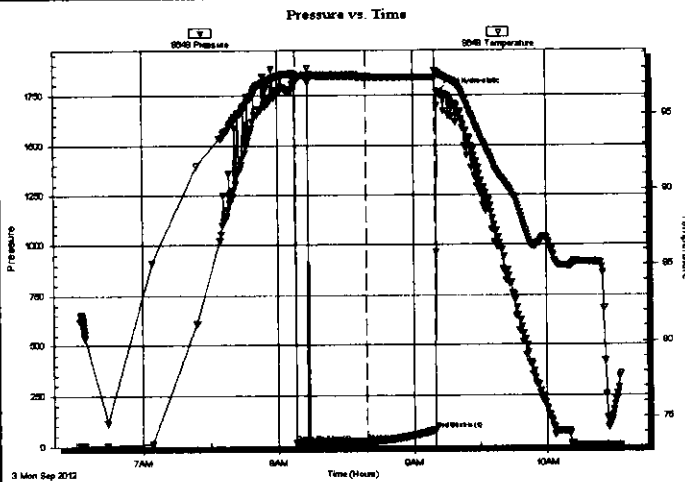
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48076 **DST#: 1**
Test Start: 2012.09.03 @ 06:32:00

GENERAL INFORMATION:

Formation: **LKC "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:07:45
Time Test Ended: 10:33:30
Interval: **3582.00 ft (KB) To 3606.00 ft (KB) (TVD)**
Total Depth: 3606.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 **Inside**
Press@RunDepth: 20.68 psig @ 3583.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.03 End Date: 2012.09.03 Last Calib.: 2012.09.03
Start Time: 06:32:05 End Time: 10:33:30 Time On Btm: 2012.09.03 @ 08:07:15
Time Off Btm: 2012.09.03 @ 09:11:00

TEST COMMENT: 30 - IF- No Blow - Flushed tool at 5 min. - No Blow
30 - IS- No Return
Pulled tool at end of IS



PRESSURE SUMMARY

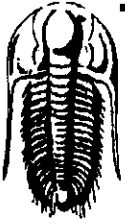
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1806.32	97.64	Initial Hydro-static
1	18.55	97.29	Open To Flow (1)
32	20.68	97.41	Shut-In(1)
63	79.61	97.36	End Shut-In(1)
64	1765.66	97.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100M (oil spots)	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

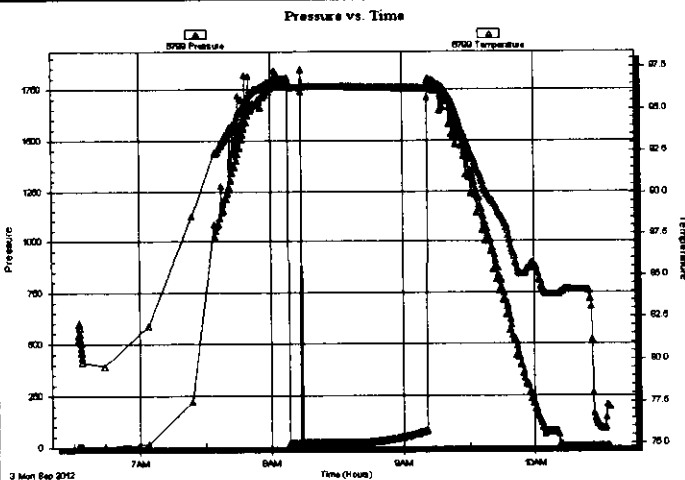
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48076 DST#: 1
Test Start: 2012.09.03 @ 06:32:00

GENERAL INFORMATION:

Formation: LKC "A"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:07:45
Time Test Ended: 10:33:30
Interval: 3582.00 ft (KB) To 3606.00 ft (KB) (TVD)
Total Depth: 3606.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 Inside
Press@RunDepth: psig @ 3583.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.03 End Date: 2012.09.03 Last Calib.: 1899.12.30
Start Time: 06:32:05 End Time: 10:34:45 Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF- No Blow - Flushed tool at 5 min. - No Blow
30 - IS- No Return
Pulled tool at end of IS



PRESSURE SUMMARY

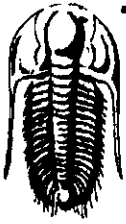
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100M (oil spots)	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

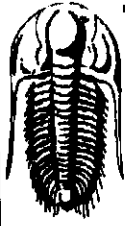
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48076 **DST#: 1**
Test Start: 2012.09.03 @ 06:32:00

Tool Information

Drill Pipe:	Length: 3461.00 ft	Diameter: 3.80 inches	Volume: 48.55 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: 50000.00 lb
			<u>Total Volume: 49.14 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3582.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	45.00 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			3562.00	
Shut In Tool	5.00			3567.00	
Hydraulic tool	5.00			3572.00	
Packer	5.00			3577.00	21.00 Bottom Of Top Packer
Packer	5.00			3582.00	
Stubb	1.00			3583.00	
Recorder	0.00	8648	Inside	3583.00	
Recorder	0.00	6799	Inside	3583.00	
Perforations	18.00			3601.00	
Bullnose	5.00			3606.00	24.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48076 **DST#: 1**
Test Start: 2012.09.03 @ 06:32:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 7.17 in³
Resistivity: 0.00 ohm.m
Salinity: 1000.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

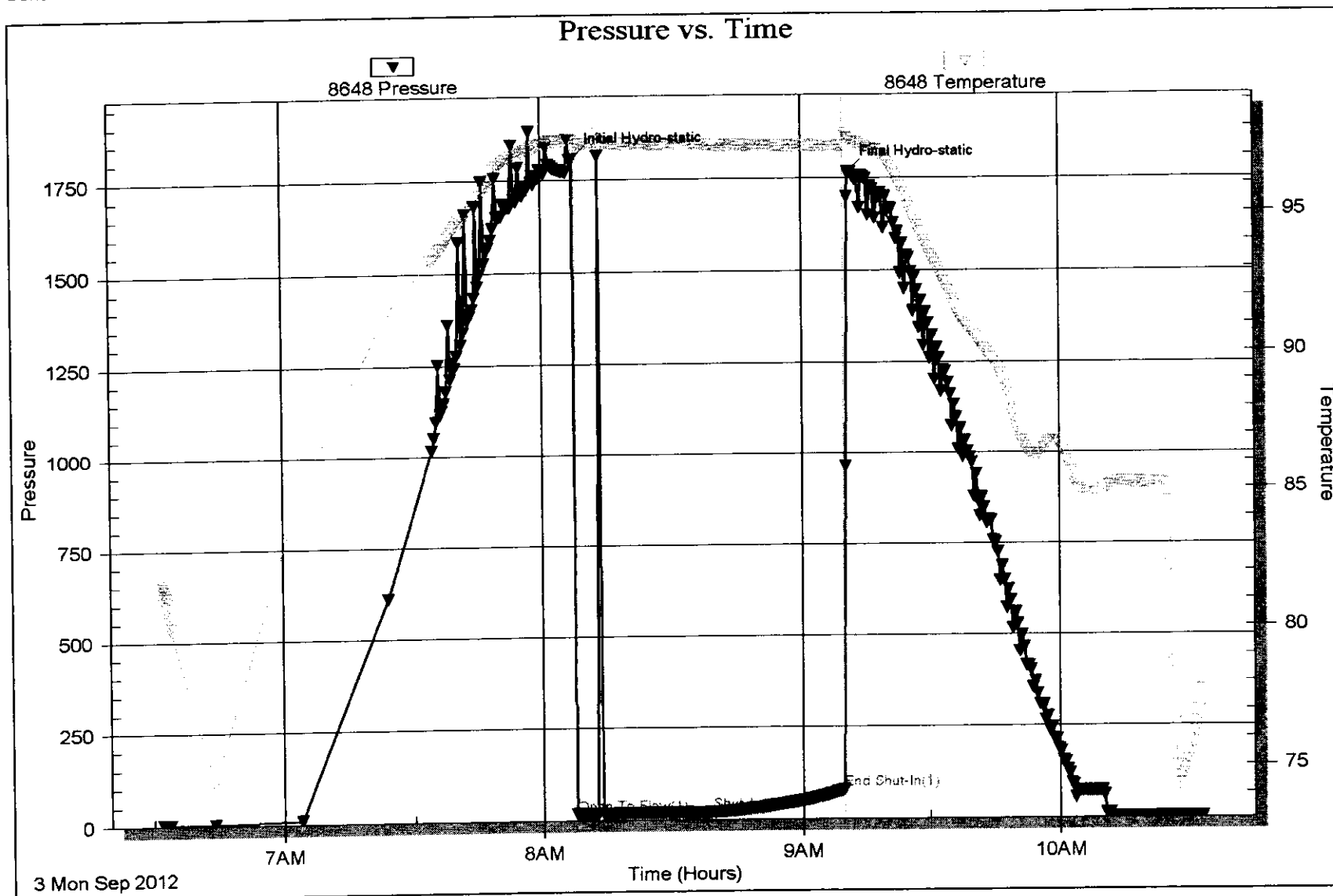
Oil API: deg API
Water Salinity: ppm

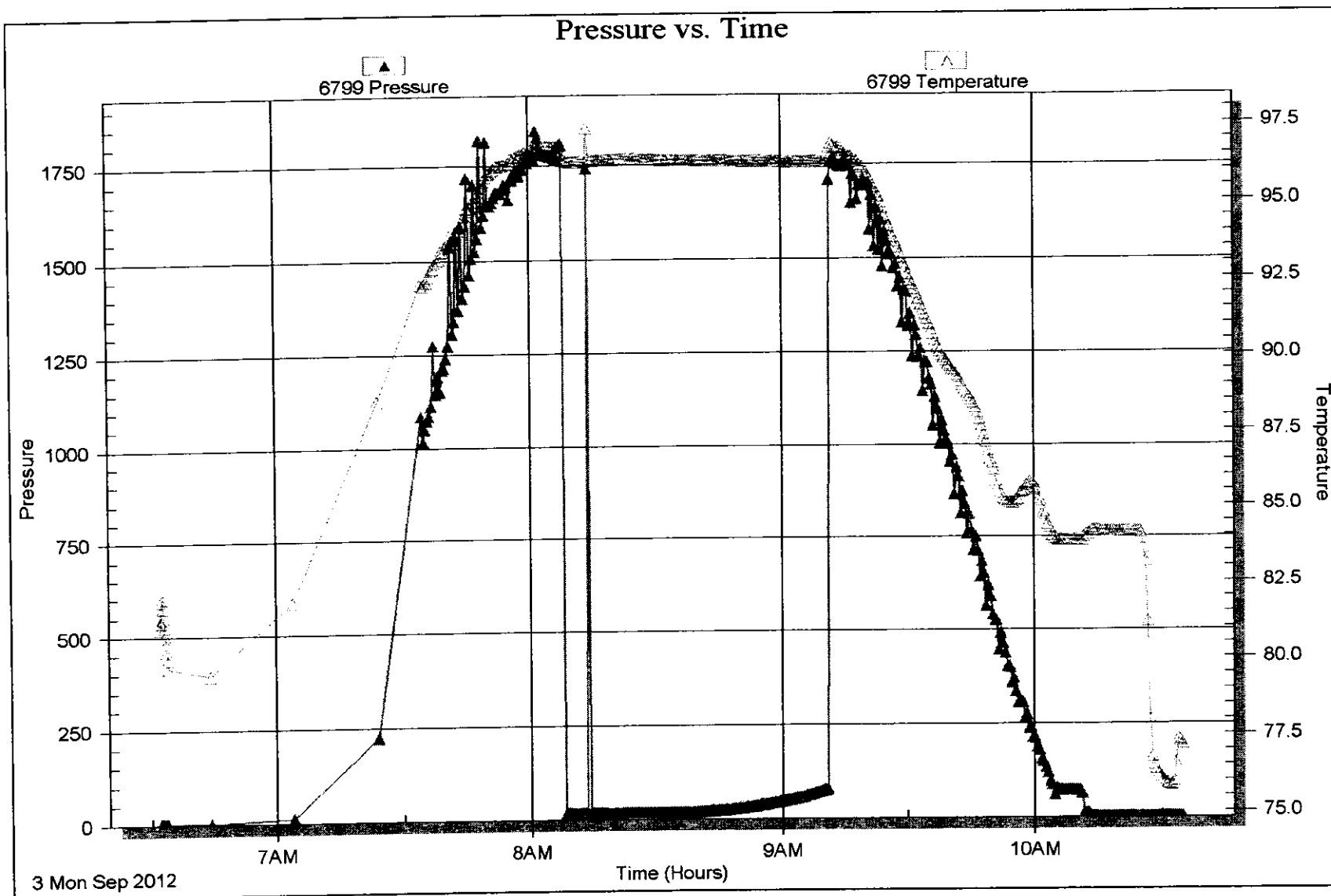
Recovery Information

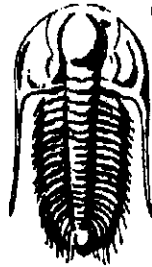
Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 100M (oil spots)	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.03 @ 18:24:00

End Date: 2012.09.04 @ 00:38:30

Job Ticket #: 48056 DST #: 2

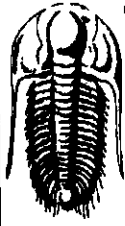
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 15:01:17

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 2 LKC "C-D" 2012.09.03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
 113 W Main
 Logan, KS 67646
 ATTN: Rich Bell / Jim Bair

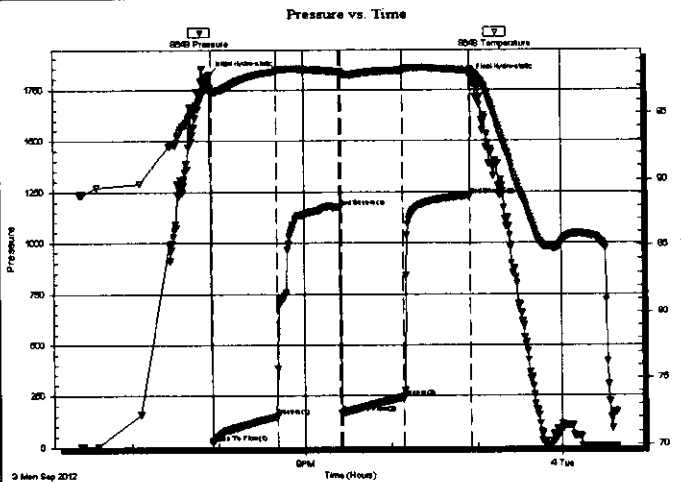
25-3s-22w Norton,KS
Jacobson #1-25
 Job Ticket: 48056 **DST#: 2**
 Test Start: 2012.09.03 @ 18:24:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:55:30
 Time Test Ended: 00:38:30
 Interval: **3606.00 ft (KB) To 3646.00 ft (KB) (TVD)**
 Total Depth: **3646.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 43
 Reference Elevations: 2344.00 ft (KB)
 2339.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8648 **Inside**
 Press@RunDepth: 243.52 psig @ 3607.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.03 End Date: 2012.09.04 Last Calib.: 2012.09.04
 Start Time: 18:24:05 End Time: 00:38:29 Time On Btm: 2012.09.03 @ 19:54:45
 Time Off Btm: 2012.09.03 @ 22:56:15

TEST COMMENT: 45 - IF- BoB in 21 min.
 45 - IS- Weak Surface Return Started at 2 min. Built to 1 1/4"
 45 - FF- BoB in 27 min.
 45 - FS- No Return



PRESSURE SUMMARY

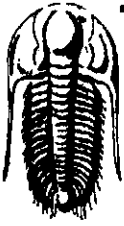
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.21	96.85	Initial Hydro-static
1	23.04	96.43	Open To Flow (1)
46	148.85	98.10	Shut-In(1)
90	1175.95	98.07	End Shut-In(1)
91	164.72	97.82	Open To Flow (2)
135	243.52	98.21	Shut-In(2)
181	1233.37	98.16	End Shut-In(2)
182	1806.34	98.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	MW 5M 95W	1.47
252.00	MW 15M 85W	3.53
10.00	OSMW 30M 70W (oil spots)	0.14

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

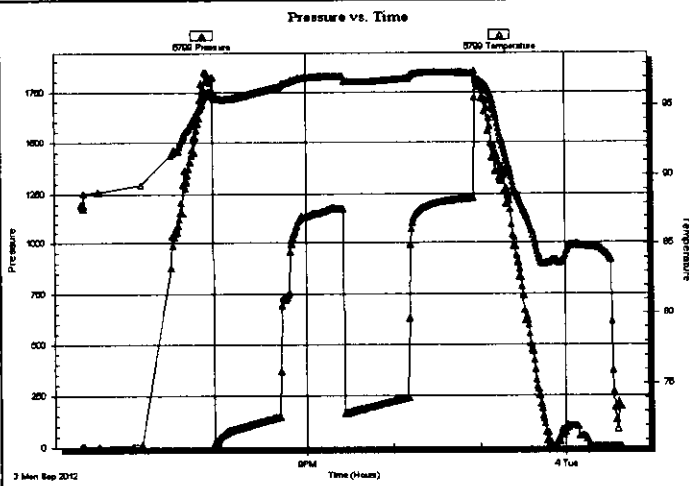
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48056 **DST#: 2**
Test Start: 2012.09.03 @ 18:24:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 19:55:30
Time Test Ended: 00:38:30
Interval: **3606.00 ft (KB) To 3646.00 ft (KB) (TVD)**
Total Depth: **3646.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Kevin Mack**
Unit No: **43**
Reference Elevations: **2344.00 ft (KB)**
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**
Press@RunDepth: psig @ **3607.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.09.03** End Date: **2012.09.04** Last Calib.: **2012.09.04**
Start Time: **18:24:05** End Time: **00:39:59** Time On Btm:
Time Off Btm:

TEST COMMENT: 45 - IF- BoB in 21 min.
45 - IS- Weak Surface Return Started at 2 min. Built to 1 1/4"
45 - FF- BoB in 27 min.
45 - FS- No Return



PRESSURE SUMMARY

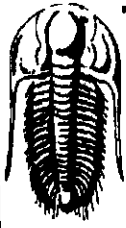
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
183.00	MW 5M 95W	1.47
252.00	MW 15M 85W	3.53
10.00	OSMW 30M 70W (oil spots)	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48056 **DST#: 2**
Test Start: 2012.09.03 @ 18:24:00

Tool Information

Drill Pipe:	Length: 3485.00 ft	Diameter: 3.80 inches	Volume: 48.89 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 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: 50000.00 lb
		<u>Total Volume:</u>	<u>49.48 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3606.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	61.00 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			3586.00	
Shut In Tool	5.00			3591.00	
Hydraulic tool	5.00			3596.00	
Packer	5.00			3601.00	21.00 Bottom Of Top Packer
Packer	5.00			3606.00	
Stubb	1.00			3607.00	
Recorder	0.00	8648	Inside	3607.00	
Recorder	0.00	6799	Inside	3607.00	
Perforations	3.00			3610.00	
Change Over Sub	1.00			3611.00	
Drill Pipe	31.00			3642.00	
Change Over Sub	1.00			3643.00	
Bullnose	3.00			3646.00	40.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48056 **DST#: 2**
Test Start: 2012.09.03 @ 18:24:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.17 in³
Resistivity: 0.00 ohm.m
Salinity: 1400.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

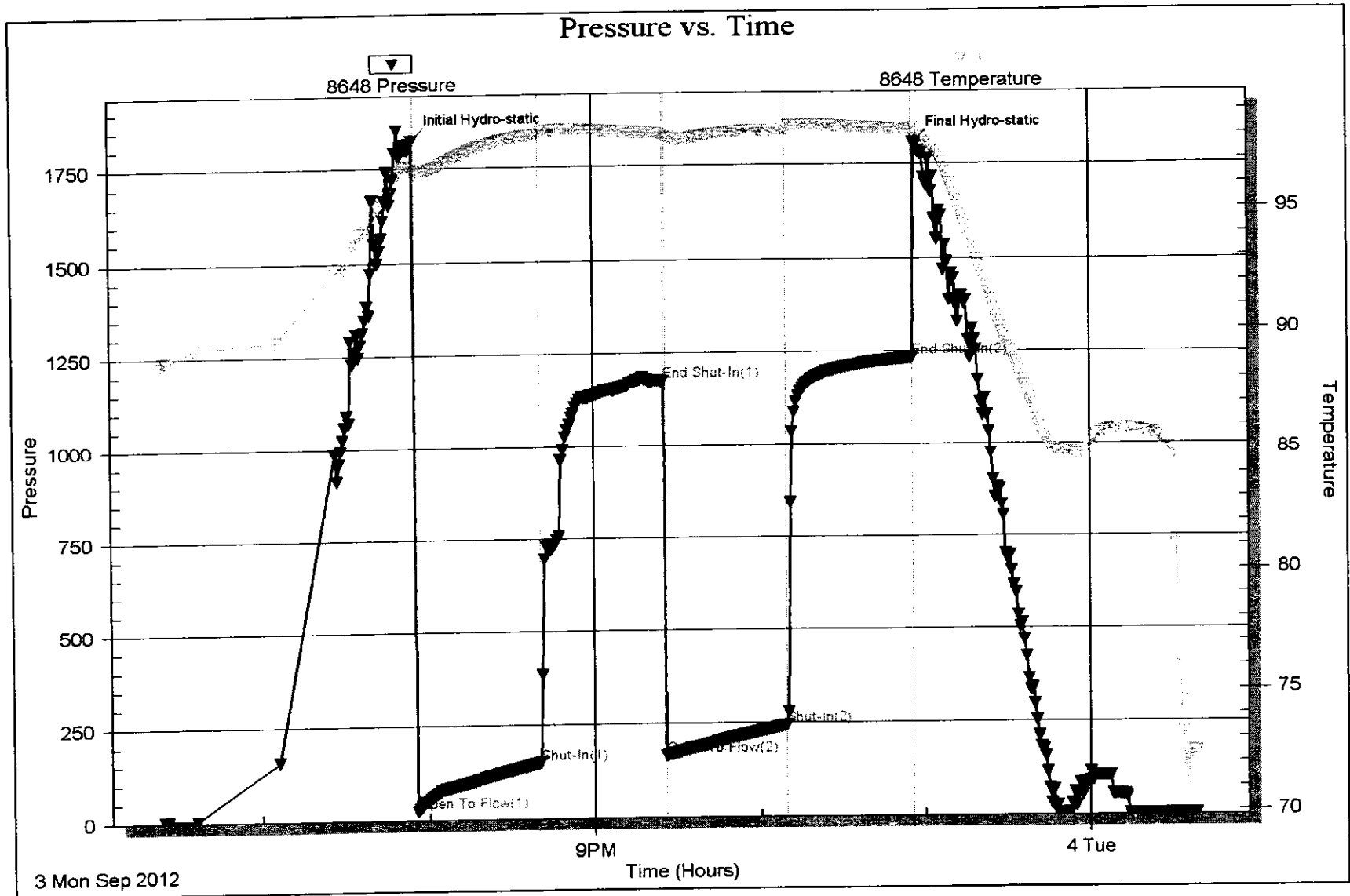
Length ft	Description	Volume bbl
183.00	MW 5M 95W	1.474
252.00	MW 15M 85W	3.535
10.00	OSMW 30M 70W (oil spots)	0.140

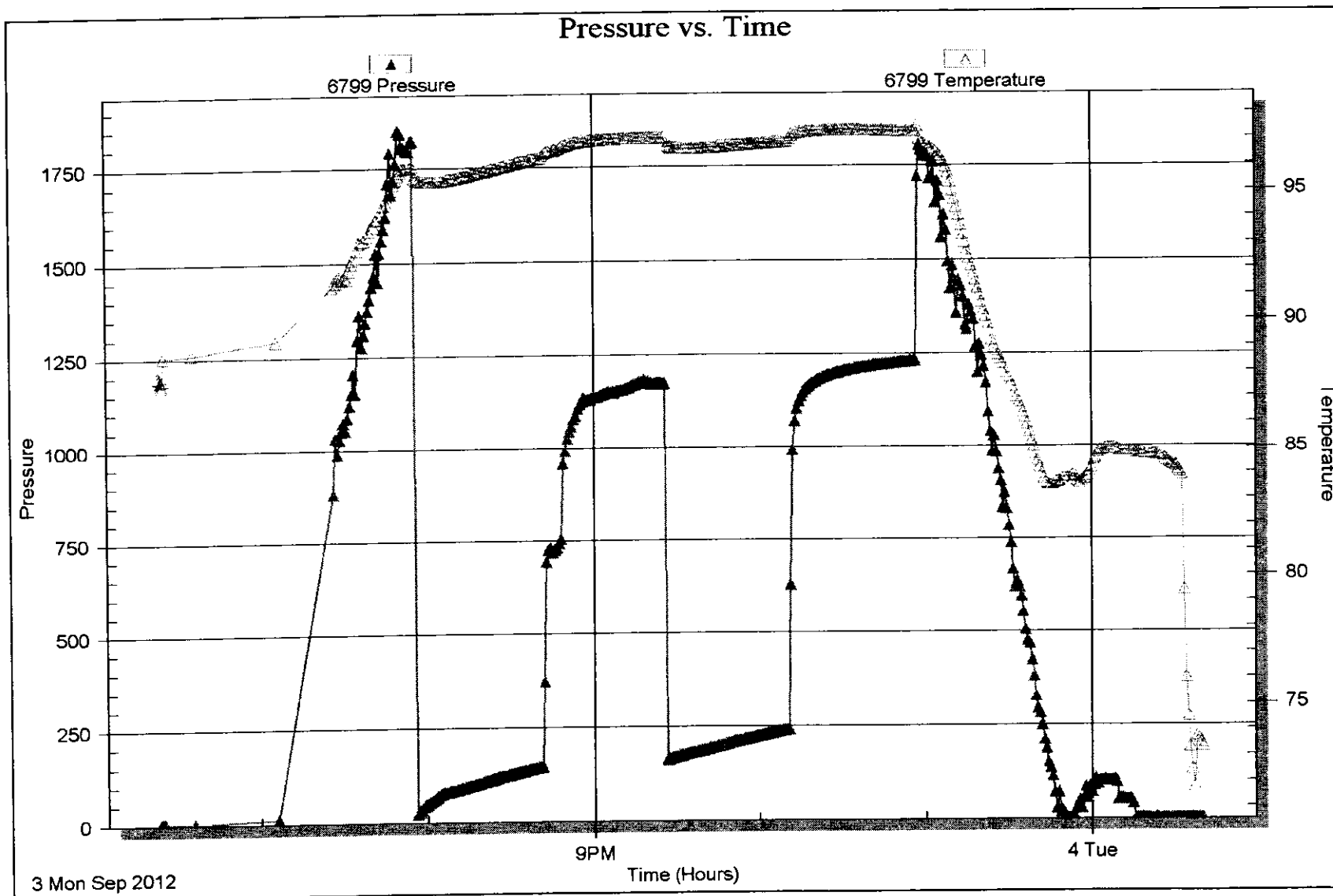
Total Length: 445.00 ft Total Volume: 5.149 bbl

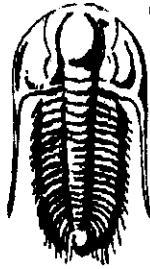
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.04 @ 07:30:00

End Date: 2012.09.04 @ 13:09:15

Job Ticket #: 48057 DST #: 3

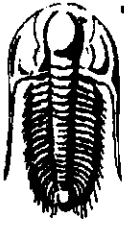
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:39:13

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 3 LKC "E-F" 2012.09.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

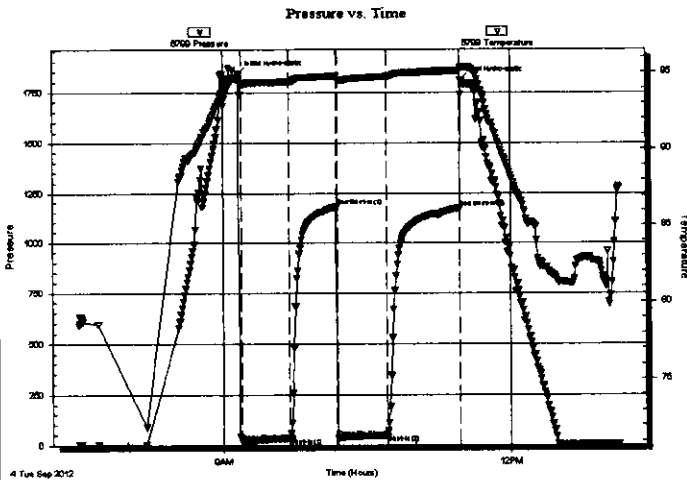
25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48057 **DST#: 3**
Test Start: 2012.09.04 @ 07:30:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:11:15
Time Test Ended: 13:09:15
Interval: **3645.00 ft (KB) To 3668.00 ft (KB) (TVD)**
Total Depth: 3668.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**
Press@RunDepth: 49.36 psig @ 3646.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.04 End Date: 2012.09.04 Last Calib.: 2012.09.04
Start Time: 07:30:05 End Time: 13:09:14 Time On Btm: 2012.09.04 @ 09:09:45
Time Off Btm: 2012.09.04 @ 11:28:45

TEST COMMENT: 30 - IF- Surface Blow built to 1 1/8"
30 - IS- No Return
30 - FF- No Blow
30 - FS- No Return



PRESSURE SUMMARY

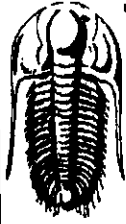
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1838.38	94.73	Initial Hydro-static
2	18.98	94.27	Open To Flow (1)
32	34.98	94.38	Shut-in(1)
61	1181.66	94.76	End Shut-in(1)
62	36.48	94.48	Open To Flow (2)
93	49.36	94.72	Shut-in(2)
138	1172.81	95.09	End Shut-in(2)
139	1805.74	95.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSM 100M (oil spots)	0.30

Gas Rates

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



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TESTING, INC.**

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Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

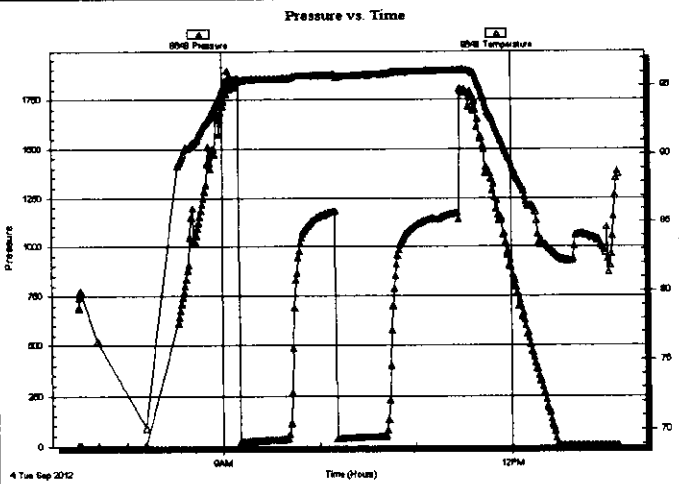
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48057 **DST#: 3**
Test Start: 2012.09.04 @ 07:30:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:11:15
Time Test Ended: 13:09:15
Interval: **3645.00 ft (KB) To 3668.00 ft (KB) (TVD)**
Total Depth: 3668.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 **Inside**
Press@RunDepth: psig @ 3646.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.04 End Date: 2012.09.04 Last Calib.: 2012.09.04
Start Time: 07:30:05 End Time: 13:07:44 Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF- Surface Blow built to 1 1/8"
30 - IS- No Return
30 - FF- No Blow
30 - FS- No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSM 100M (oil spots)	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

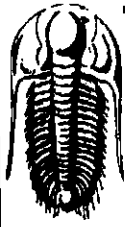
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48057 **DST#: 3**
Test Start: 2012.09.04 @ 07:30:00

Tool Information

Drill Pipe:	Length: 3522.00 ft	Diameter: 3.80 inches	Volume: 49.40 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 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: 48000.00 lb
			<u>Total Volume: 49.99 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3645.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 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			3625.00	
Shut In Tool	5.00			3630.00	
Hydraulic tool	5.00			3635.00	
Packer	5.00			3640.00	21.00 Bottom Of Top Packer
Packer	5.00			3645.00	
Stubb	1.00			3646.00	
Recorder	0.00	8648	Inside	3646.00	
Recorder	0.00	6799	Inside	3646.00	
Perforations	17.00			3663.00	
Bullnose	5.00			3668.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48057 **DST#: 3**
Test Start: 2012.09.04 @ 07:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.18 in³
Resistivity: 0.00 ohm.m
Salinity: 1400.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Saffinity: ppm

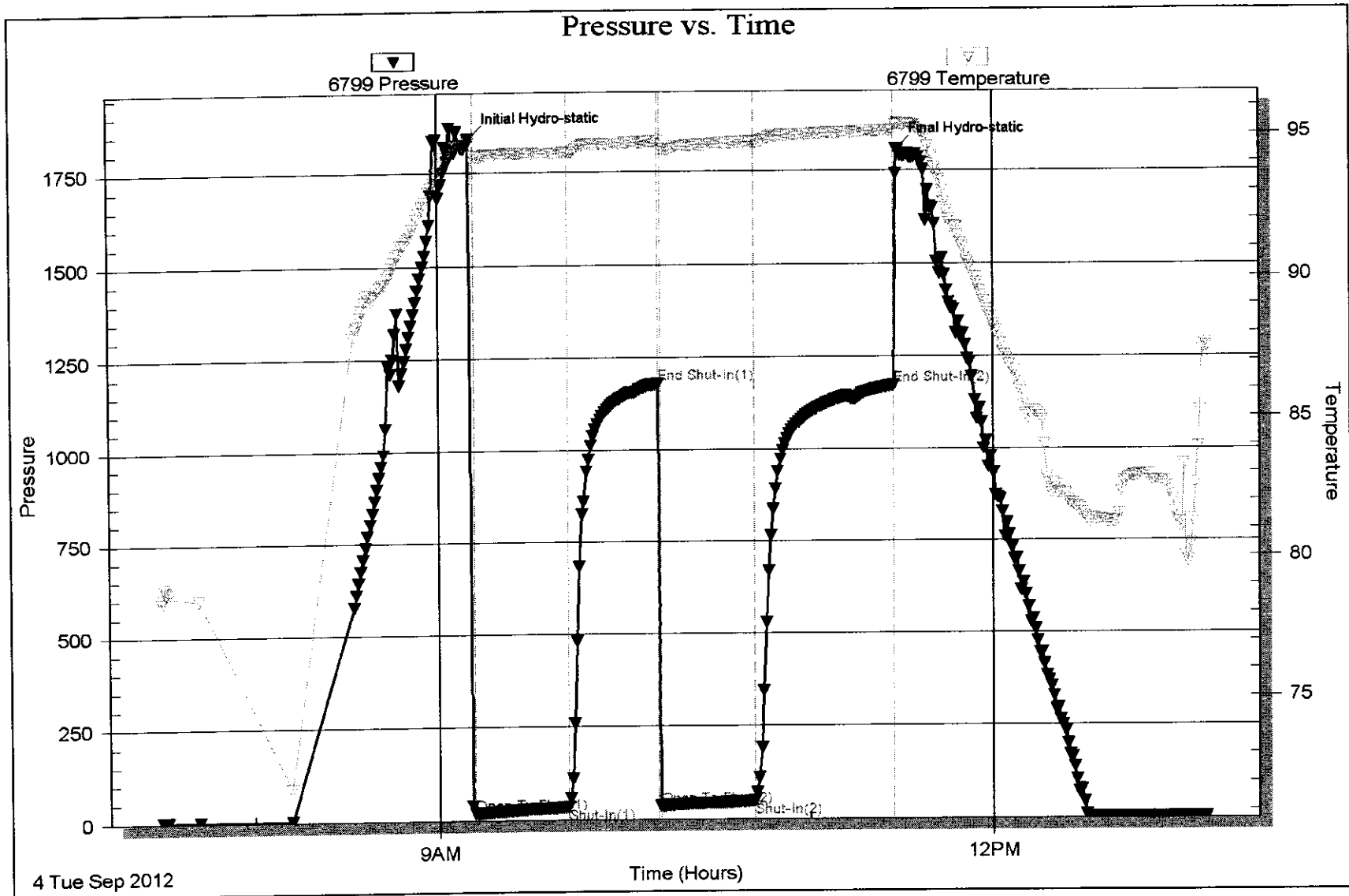
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSM 100M (oil spots)	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

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

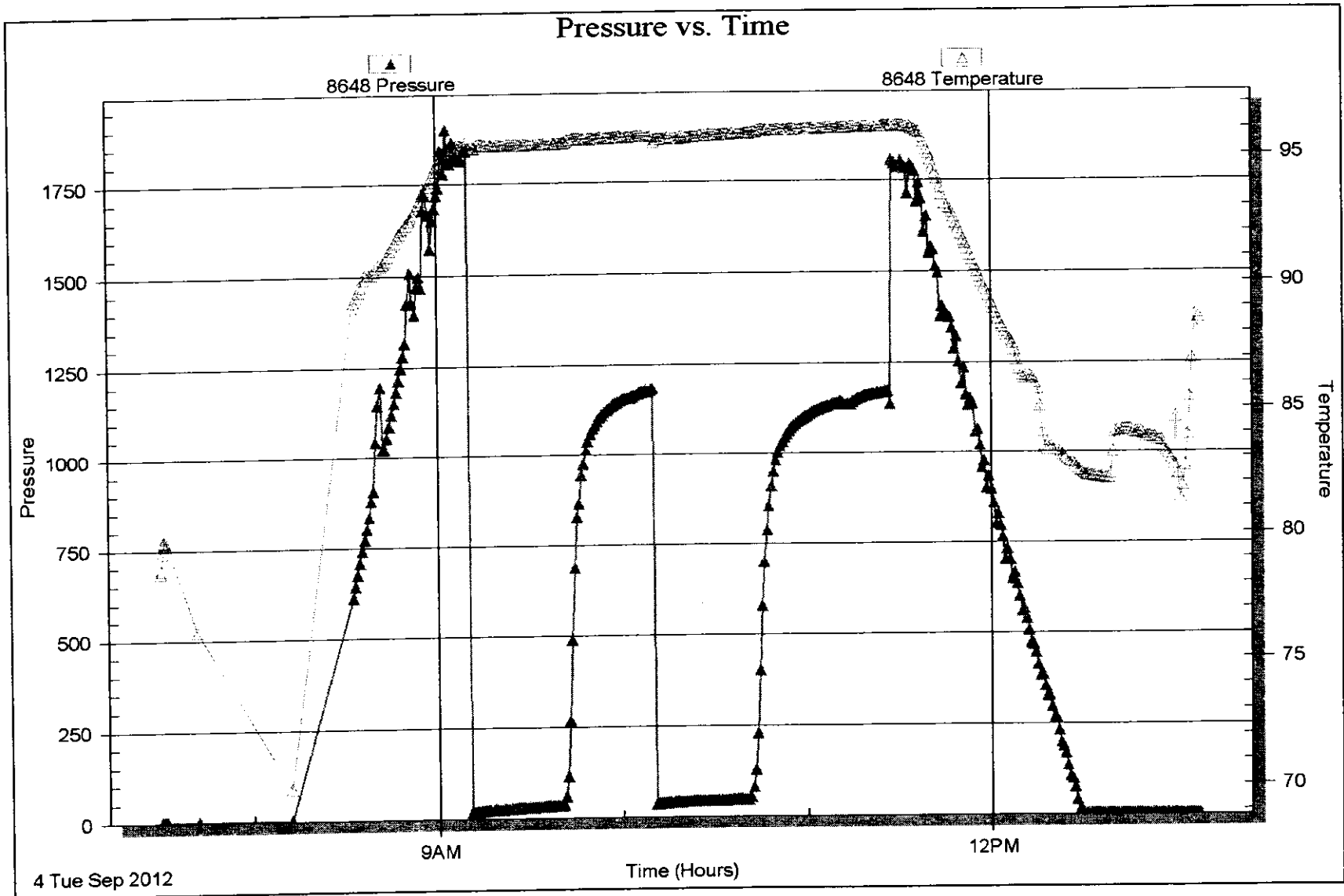


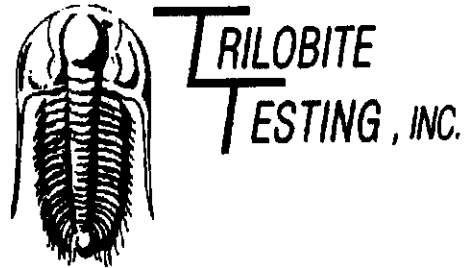
Serial #: 8648

Inside Baird Oil, Co.

Jacobson #1-25

DST Test Number: 3





DRILL STEM TEST REPORT

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

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.05 @ 03:29:00

End Date: 2012.09.05 @ 11:06:15

Job Ticket #: 48058 DST #: 4

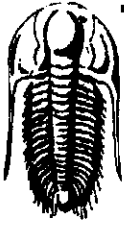
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:38:28

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 4 Marmaton 2012.09.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

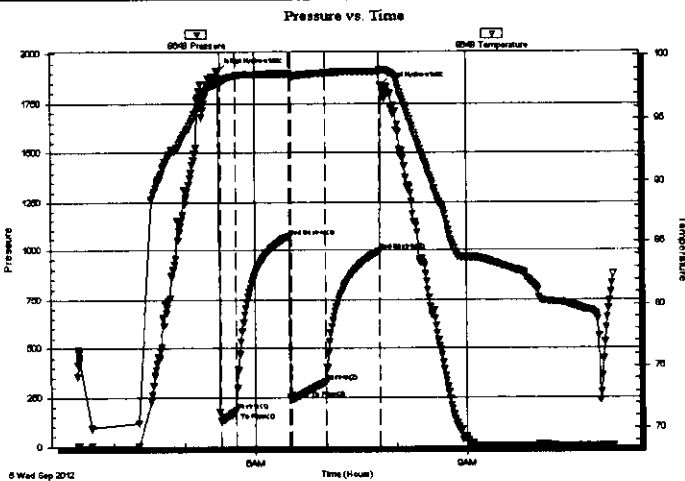
25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48058 **DST#: 4**
Test Start: 2012.09.05 @ 03:29:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:30:45
Time Test Ended: 11:06:15
Interval: **3779.00 ft (KB) To 3820.00 ft (KB) (TVD)**
Total Depth: 3820.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648 Inside
Press@RunDepth: 331.56 psig @ 3780.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05
Start Time: 03:29:05 End Time: 11:06:14 Time On Btm: 2012.09.05 @ 05:28:45
Time Off Btm: 2012.09.05 @ 07:46:45

TEST COMMENT: 15 - IF- BoB in 3 min
45 - IS- No Return
15 - FF- BoB in 5 min.
45 - FS- No Return



PRESSURE SUMMARY

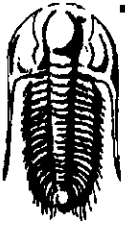
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.97	97.89	Initial Hydro-static
2	131.43	97.83	Open To Flow (1)
15	183.89	98.42	Shut-In(1)
60	1068.28	98.58	End Shut-In(1)
62	247.59	98.29	Open To Flow (2)
91	331.56	98.63	Shut-In(2)
137	995.38	98.78	End Shut-In(2)
138	1839.09	98.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCMW 2o 93W 5M	0.59
189.00	GOCMW 29G 1o 60W 10M	2.65
189.00	OCMW 5o 40W 50M	2.65
156.00	OCWM 10o 40W 50M	2.19
1.00	Free Oil 100o	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3a-22w Norton, KS
Jacobson #1-25
Job Ticket: 48058 **DST#: 4**
Test Start: 2012.09.05 @ 03:29:00

GENERAL INFORMATION:

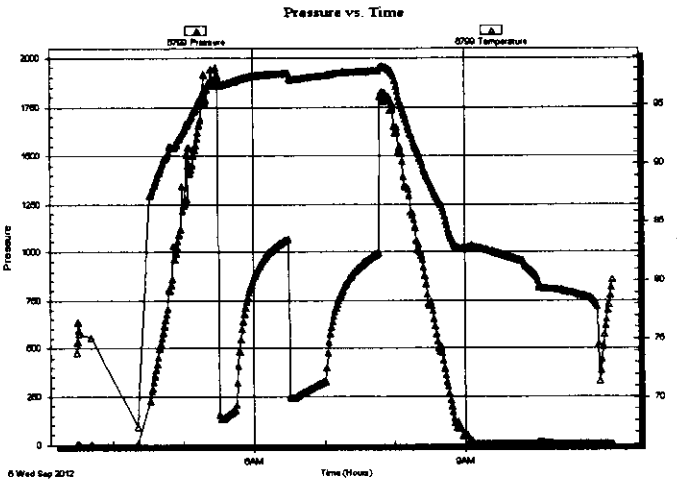
Formation: **Marmaton** Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB) Tester: Kevin Mack
Time Tool Opened: 05:30:45 Unit No: 43
Time Test Ended: 11:06:15
Interval: **3779.00 ft (KB) To 3820.00 ft (KB) (TVD)** Reference Elevations: 2344.00 ft (KB)
Total Depth: 3820.00 ft (KB) (TVD) 2339.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: psig @ 3780.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05
Start Time: 03:29:05 End Time: 11:08:14 Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF- BoB in 3 min
45 - IS- No Return
15 - FF- BoB in 5 min.
45 - FS- No Return



PRESSURE SUMMARY

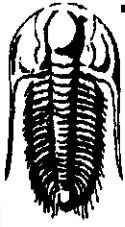
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCMW 2o 93W 5M	0.59
189.00	GOCMW 29G 1o 60W 10M	2.65
189.00	OCMW 5o 40W 50M	2.65
156.00	OCWM 10o 40W 50M	2.19
1.00	Free Oil 100o	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646

25-3s-22w Norton,KS

Jacobson #1-25

Job Ticket: 48058

DST#: 4

ATTN: Rich Bell / Jim Bair

Test Start: 2012.09.05 @ 03:29:00

Tool Information

Drill Pipe:	Length: 3648.00 ft	Diameter: 3.80 inches	Volume: 51.17 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: 51.76 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3779.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	62.00 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			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	5.00			3774.00	21.00 Bottom Of Top Packer
Packer	5.00			3779.00	
Stubb	1.00			3780.00	
Recorder	0.00	8648	inside	3780.00	
Recorder	0.00	6799	inside	3780.00	
Perforations	2.00			3782.00	
Change Over Sub	1.00			3783.00	
Drill Pipe	31.00			3814.00	
Change Over Sub	1.00			3815.00	
Bullnose	5.00			3820.00	41.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48058 **DST#: 4**
Test Start: 2012.09.05 @ 03:29:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 7.98 in³
Resistivity: 0.00 ohm.m
Salinity: 2200.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

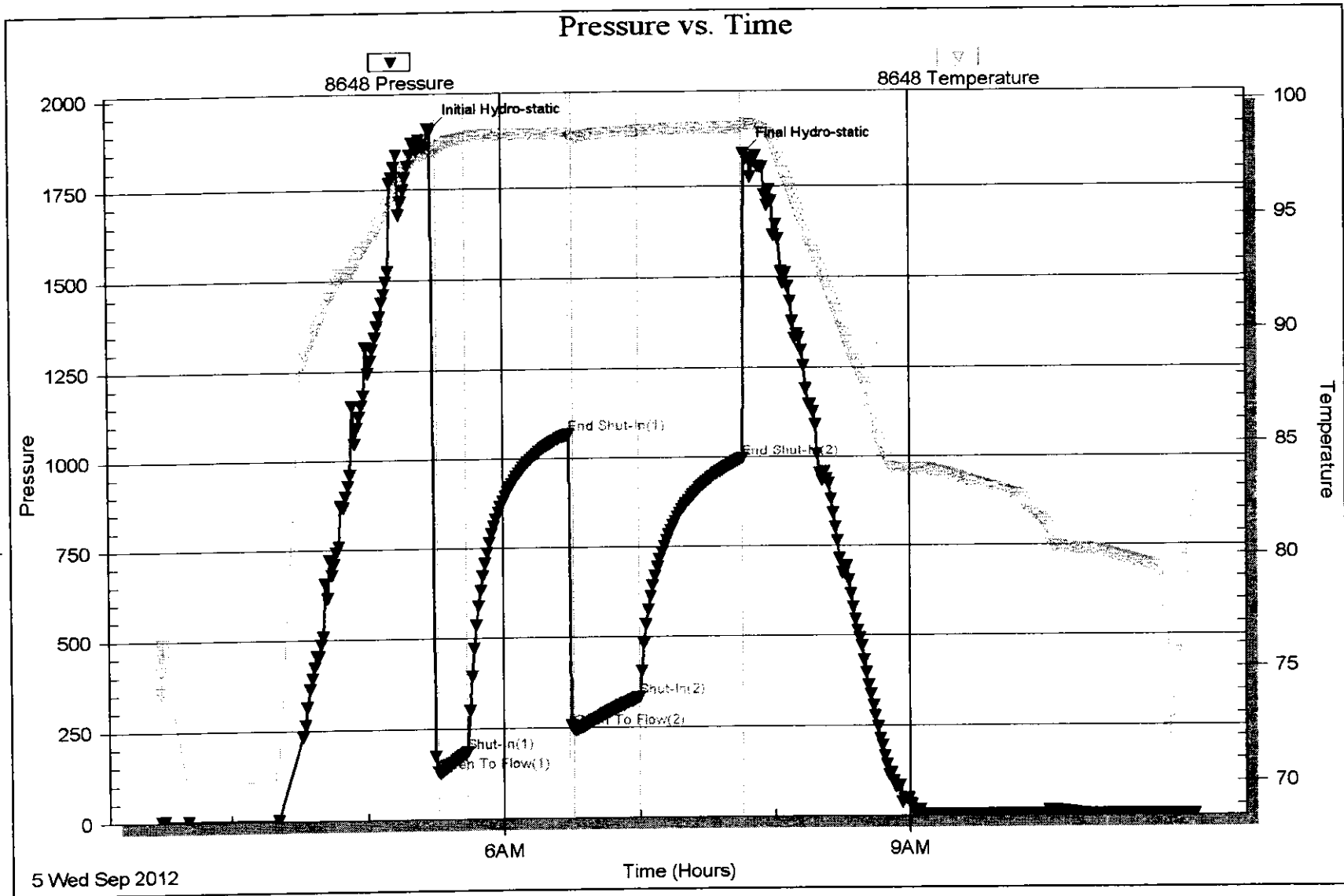
Recovery Information

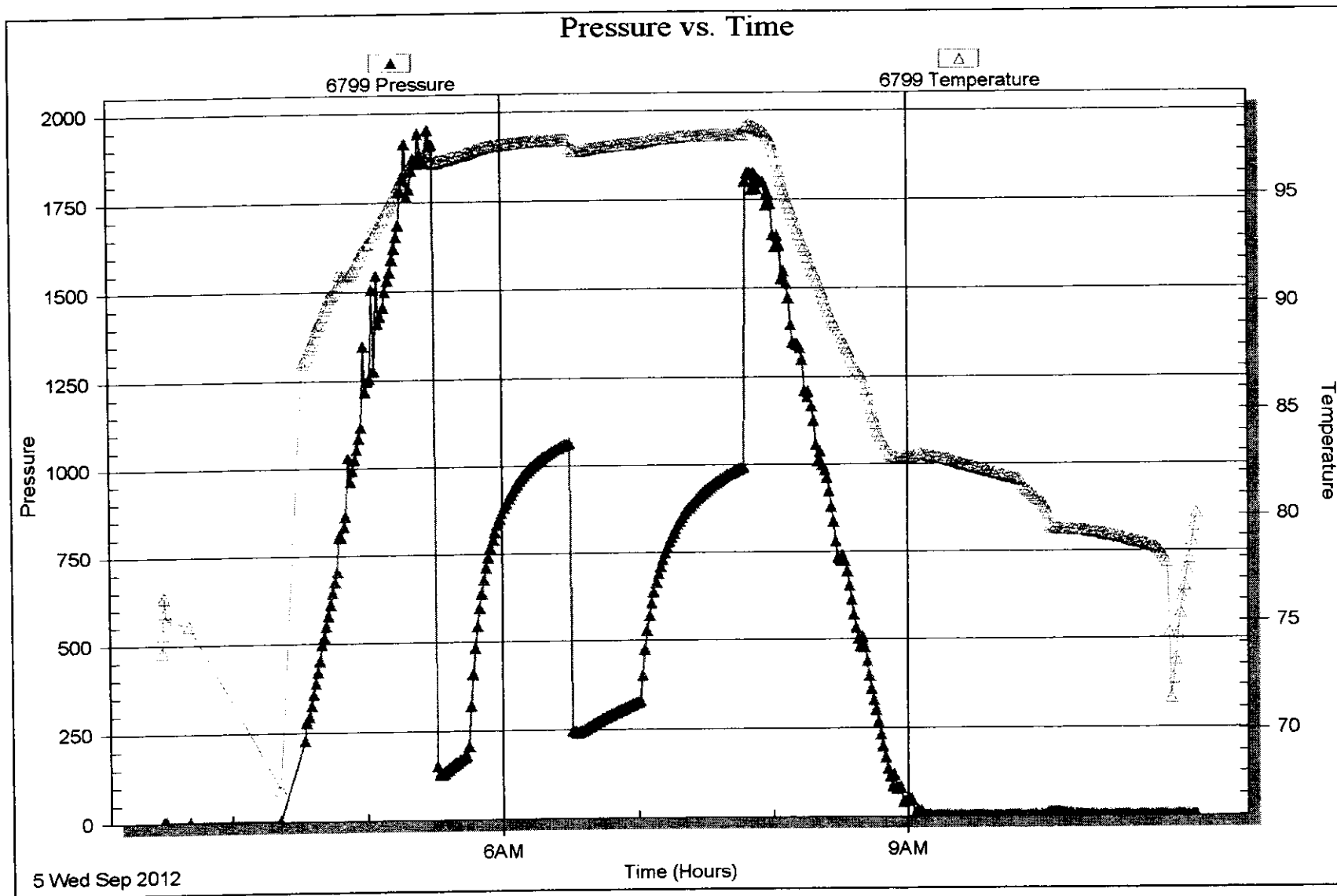
Recovery Table

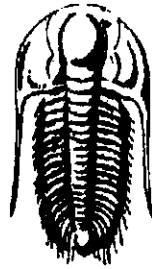
Length ft	Description	Volume bbl
120.00	OCMW 2o 93W 5M	0.590
189.00	GOCMW 29G 1o 60W 10M	2.651
189.00	OCMW 5o 40W 50M	2.651
156.00	OCWM 10o 40W 50M	2.188
1.00	Free Oil 100o	0.014

Total Length: 655.00 ft Total Volume: 8.094 bbl

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







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.05 @ 17:20:00

End Date: 2012.09.05 @ 22:13:45

Job Ticket #: 48059 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:37:43

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 5 Bai, Penn Sd 2012.09.05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48059 **DST#: 5**
Test Start: 2012.09.05 @ 17:20:00

GENERAL INFORMATION:

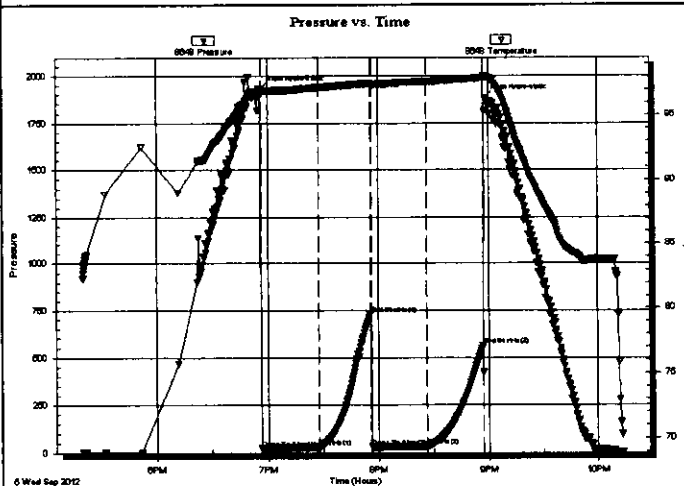
Formation: **Bsl. Penn Sd**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:56:45
Time Test Ended: 22:13:45
Interval: **3840.00 ft (KB) To 3855.00 ft (KB) (TVD)**
Total Depth: 3855.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: 35.48 psig @ 3841.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05
Start Time: 17:20:05 End Time: 22:13:44 Time On Btm: 2012.09.05 @ 18:56:15
Time Off Btm: 2012.09.05 @ 20:58:15

TEST COMMENT: 30 - IF- 1/8" Blow did not build or die
30 - IS- No Return
30 - FF- No Blow
30 - FS- No Return



PRESSURE SUMMARY

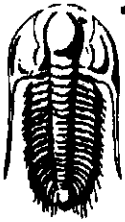
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1931.06	96.98	Initial Hydro-static
1	22.32	96.73	Open To Flow (1)
31	28.04	97.16	Shut-In(1)
60	731.89	97.47	End Shut-In(1)
60	30.59	97.27	Open To Flow (2)
90	35.48	97.61	Shut-In(2)
121	562.84	97.91	End Shut-In(2)
122	1880.13	97.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100M (oil spots)	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48059 **DST#: 5**
Test Start: 2012.09.05 @ 17:20:00

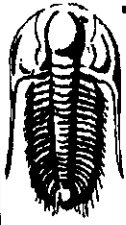
Tool Information

Drill Pipe:	Length: 3711.00 ft	Diameter: 3.80 inches	Volume: 52.06 bbl	Tool Weight: 2500.00 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: 45000.00 lb
			<u>Total Volume: 52.65 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3840.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	44.00 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			3812.00	
Shut In Tool	5.00			3817.00	
Hydraulic tool	5.00			3822.00	
Jars	5.00			3827.00	
Safety Joint	3.00			3830.00	
Packer	5.00			3835.00	29.00 Bottom Of Top Packer
Packer	5.00			3840.00	
Stubb	1.00			3841.00	
Recorder	0.00	8648	inside	3841.00	
Recorder	0.00	6799	inside	3841.00	
Perforations	9.00			3850.00	
Bullnose	5.00			3855.00	15.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-38-22w Norton, KS
Jacobson #1-25
Job Ticket: 48059 **DST#: 5**
Test Start: 2012.09.05 @ 17:20:00

Mud and Cushion Information

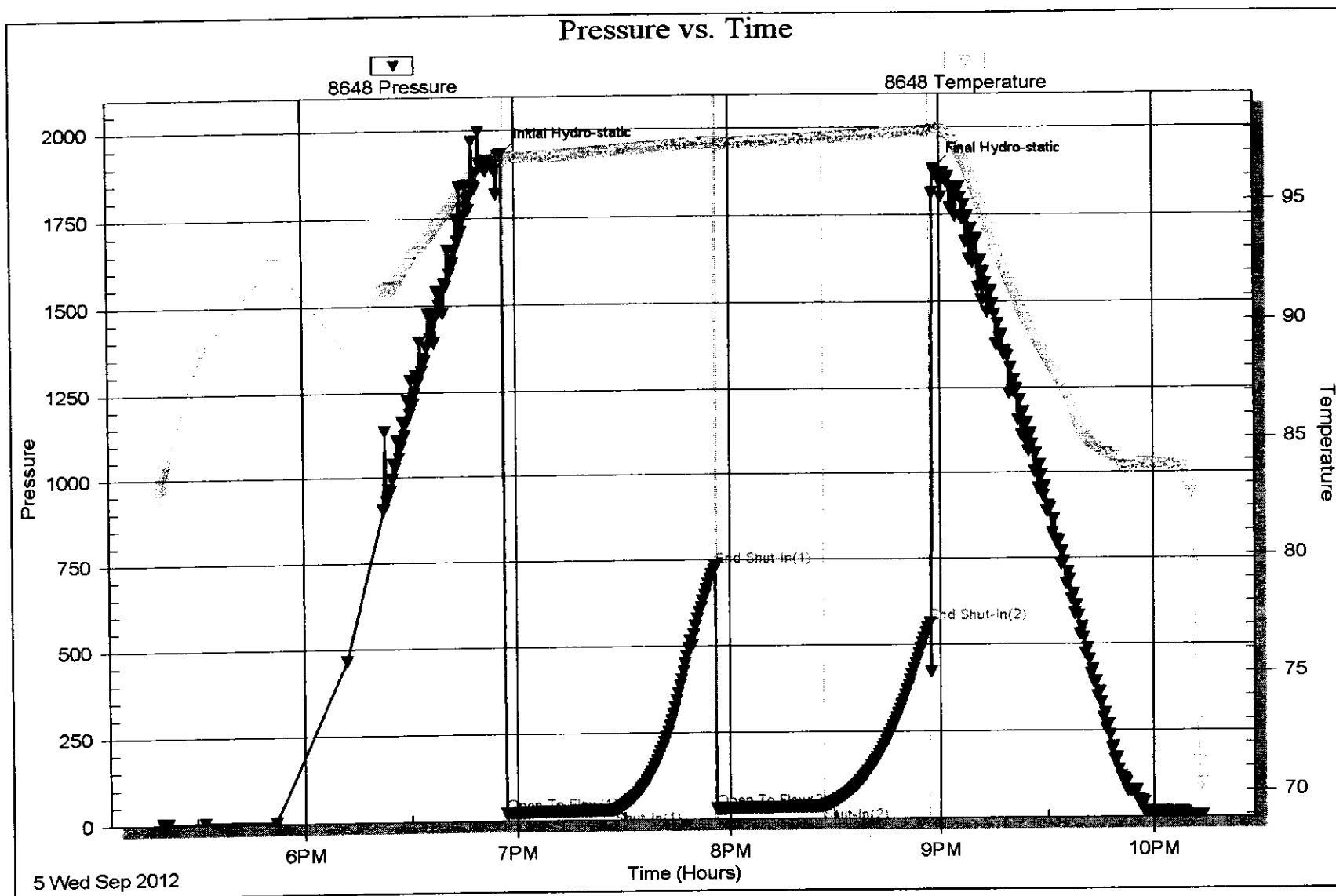
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100M (oil spots)	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

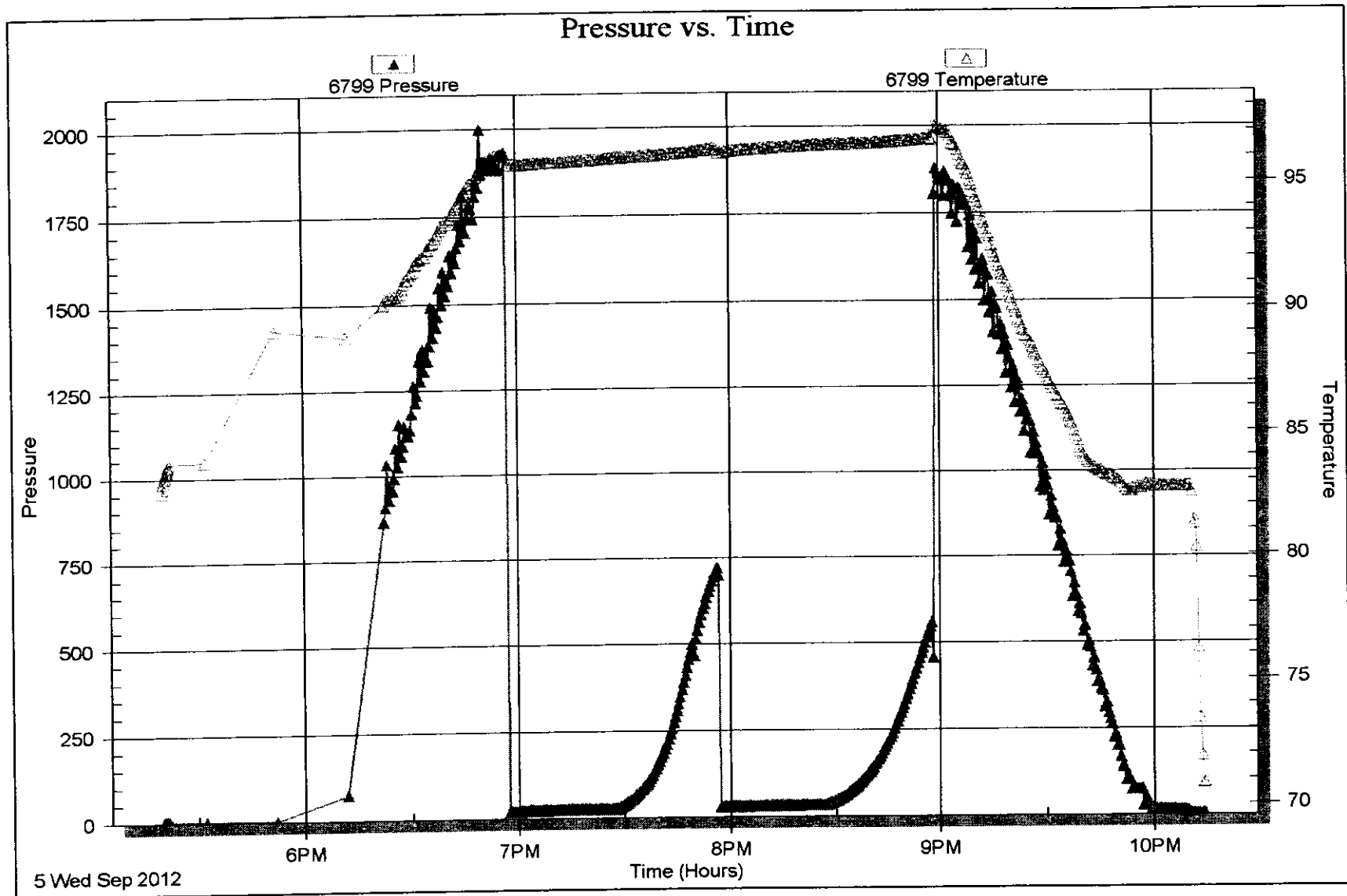


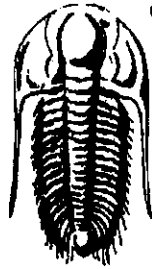
Serial #: 6799

Inside Baird Oil, Co.

Jacobson #1-25

DST Test Number: 5





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.06 @ 03:21:00

End Date: 2012.09.06 @ 08:31:30

Job Ticket #: 48060 DST #: 6

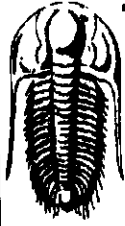
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:36:33

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 6 Bal. Penn. Sd. 2012.09.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

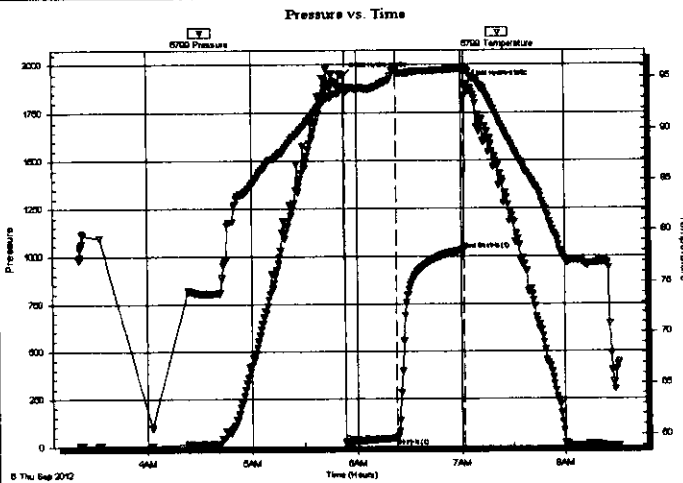
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48060 **DST#: 6**
Test Start: 2012.09.06 @ 03:21:00

GENERAL INFORMATION:

Formation: **Bsl. Penn. Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:53:15
Time Test Ended: 08:31:30
Interval: **3855.00 ft (KB) To 3870.00 ft (KB) (TVD)**
Total Depth: 3870.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**
Press@RunDepth: 44.93 psig @ 3856.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.06 End Date: 2012.09.06 Last Calib.: 2012.09.06
Start Time: 03:21:05 End Time: 08:31:29 Time On Btrr: 2012.09.06 @ 05:52:30
Time Off Btrr: 2012.09.06 @ 07:02:30

TEST COMMENT: 30 - IF- Weak surface blow died in 3 min.
30 - IS- No Return
Pulled tool at end of "IS"



PRESSURE SUMMARY

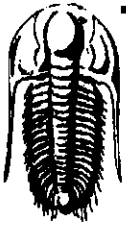
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1943.84	93.93	Initial Hydro-static
1	21.14	93.60	Open To Flow (1)
30	44.93	95.56	Shut-In(1)
69	1026.69	95.76	End Shut-In(1)
70	1899.93	95.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100M	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

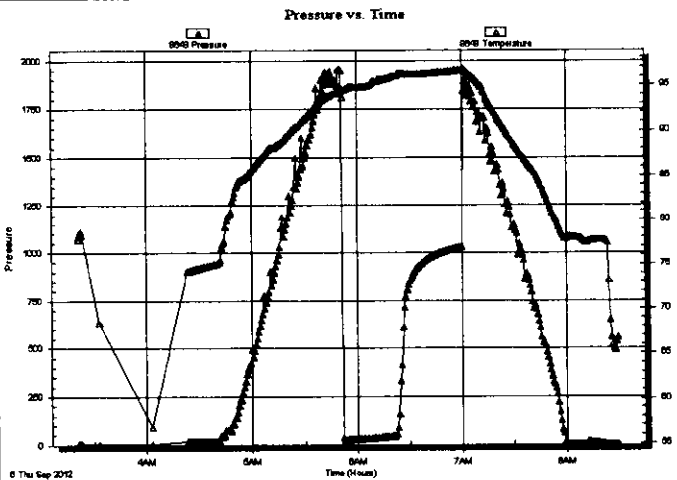
25-3s-22w Norton,KS
Jacobson #1-25
Job Ticket: 48060 **DST#: 6**
Test Start: 2012.09.06 @ 03:21:00

GENERAL INFORMATION:

Formation: Bsl. Penn. Sd.	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Kevin Mack
Time Tool Opened: 05:53:15	Unit No: 43
Time Test Ended: 08:31:30	Reference Elevations: 2344.00 ft (KB)
Interval: 3855.00 ft (KB) To 3870.00 ft (KB) (TVD)	2339.00 ft (CF)
Total Depth: 3870.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches Hole Condition: Good	

Serial #: 8648 Inside	Capacity: 8000.00 psig
Press@RunDepth: psig @ 3856.00 ft (KB)	Last Calib.: 2012.09.06
Start Date: 2012.09.06 End Date: 2012.09.06	Time On Btm: 08:30:14
Start Time: 03:21:05 End Time: 08:30:14	Time Off Btm:

TEST COMMENT: 30 - IF- Weak surface blow died in 3 min.
30 - IS- No Return
Pulled tool at end of "IS"



PRESSURE SUMMARY

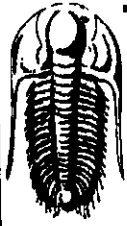
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS

Jacobson #1-25

Job Ticket: 48060

DST#: 6

Test Start: 2012.09.06 @ 03:21:00

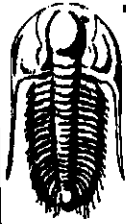
Tool Information

Drill Pipe:	Length: 3711.00 ft	Diameter: 3.80 inches	Volume: 52.06 bbl	Tool Weight: 2500.00 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: 52.65 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3855.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	44.00 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			3827.00	
Shut In Tool	5.00			3832.00	
Hydraulic tool	5.00			3837.00	
Jars	5.00			3842.00	
Safety Joint	3.00			3845.00	
Packer	5.00			3850.00	29.00 Bottom Of Top Packer
Packer	5.00			3855.00	
Stubb	1.00			3856.00	
Recorder	0.00	8648	inside	3856.00	
Recorder	0.00	6799	inside	3856.00	
Perforations	9.00			3865.00	
Bullnose	5.00			3870.00	15.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48060 **DST#: 6**
Test Start: 2012.09.06 @ 03:21:00

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 100M	0.025

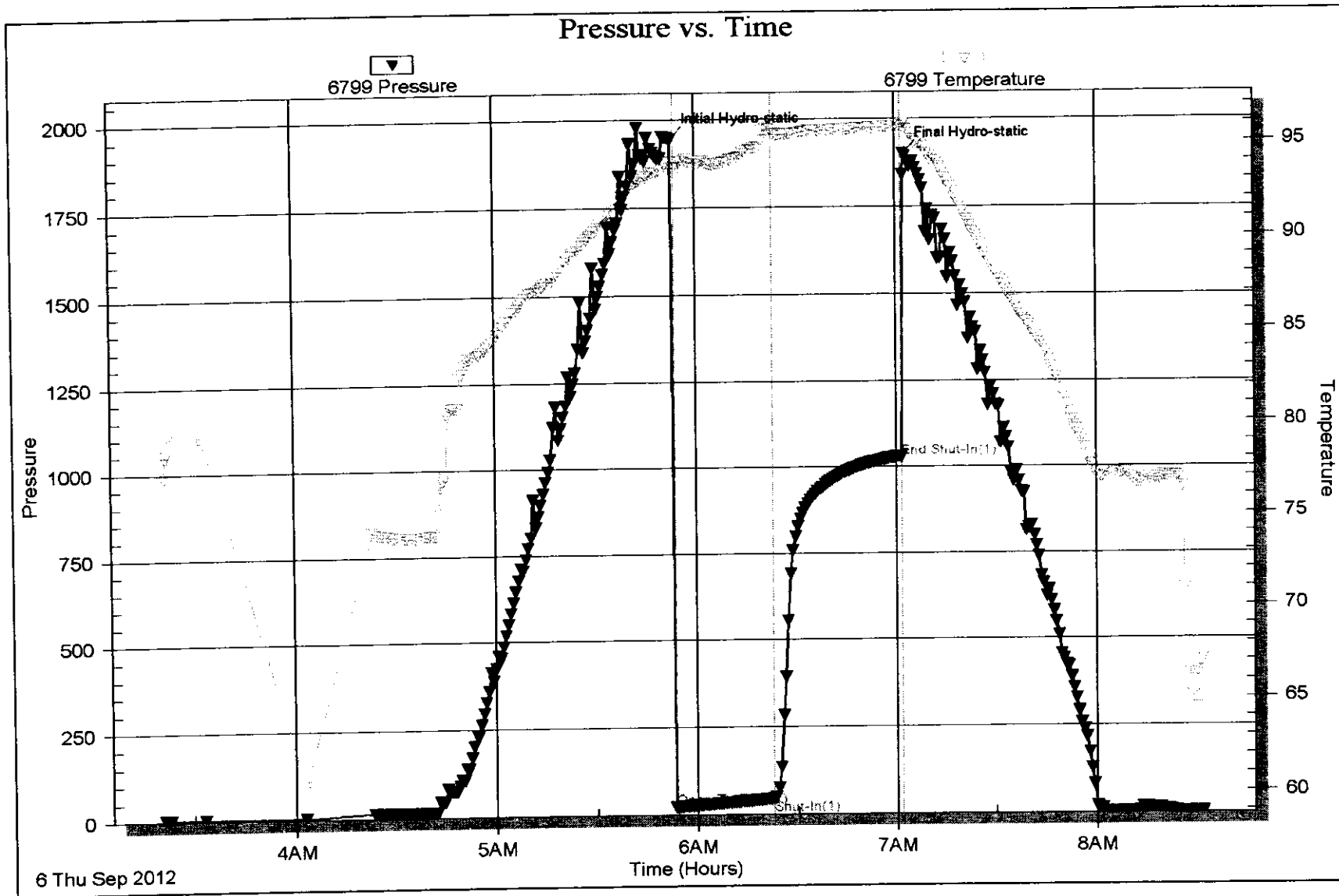
Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

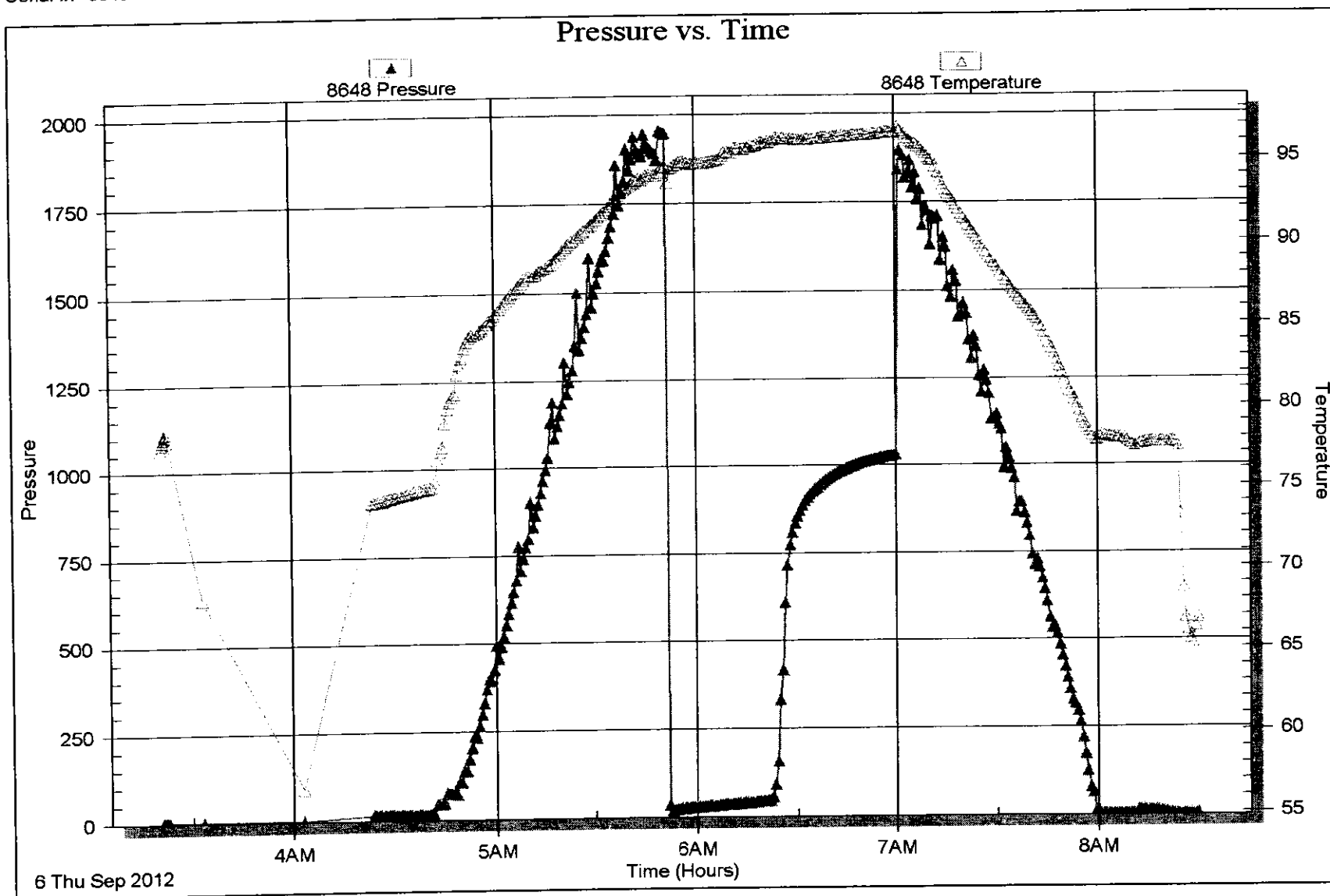
Serial #: 6799

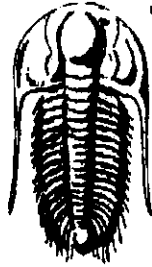
Inside Baird Oil, Co.

Jacobson #1-25

DST Test Number: 6







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

113 W Main
Logan, KS 67646

ATTN: Rich Bell / Jim Bair

Jacobson #1-25

25-3s-22w Norton,KS

Start Date: 2012.09.06 @ 17:57:00

End Date: 2012.09.07 @ 02:04:30

Job Ticket #: 48061 DST #: 7

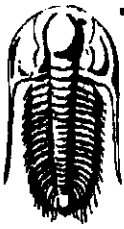
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.09.11 @ 14:35:40

Baird Oil, Co. 25-3s-22w Norton,KS Jacobson #1-25 DST # 7 Marmaton 2012.09.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48061 **DST#: 7**
Test Start: 2012.09.06 @ 17:57:00

GENERAL INFORMATION:

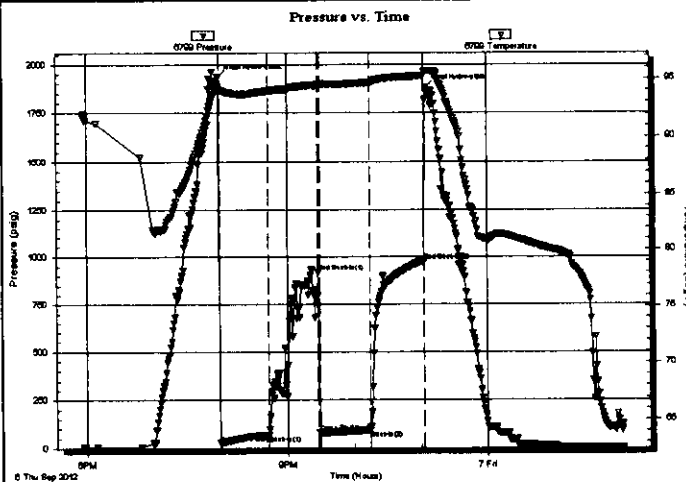
Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:59:45
Time Test Ended: 02:04:30
Interval: **3805.00 ft (KB) To 3814.00 ft (KB) (TVD)**
Total Depth: 3893.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Straddle (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 92.01 psig @ 3806.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.06 End Date: 2012.09.07 Last Calib.: 2012.09.07
Start Time: 17:57:05 End Time: 02:04:29 Time On Btm: 2012.09.06 @ 19:58:45
Time Off Btm: 2012.09.06 @ 23:04:45

TEST COMMENT: 45 - IF- Surface Blow built to 8 1/4"
45 - IS- Surface Return started at 5 in. Built to 2"
30 - FF- Surface Blow built to 7 1/4"
30 - FS- Surface Return started at 35 min. Did not build or die.



PRESSURE SUMMARY

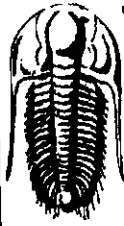
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.55	94.18	Initial Hydro-static
1	25.46	93.92	Open To Flow (1)
44	68.39	93.90	Shut-In(1)
89	919.95	94.46	End Shut-In(1)
90	80.39	94.26	Open To Flow (2)
135	92.01	94.66	Shut-In(2)
184	977.21	95.26	End Shut-In(2)
186	1878.37	95.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCMW 30M 30o 40W	0.30
120.00	Free Oil 100o	1.14

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
 113 W Main
 Logan, KS 67646
 ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
 Job Ticket: 48061 **DST#: 7**
 Test Start: 2012.09.06 @ 17:57:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:59:45
 Time Test Ended: 02:04:30

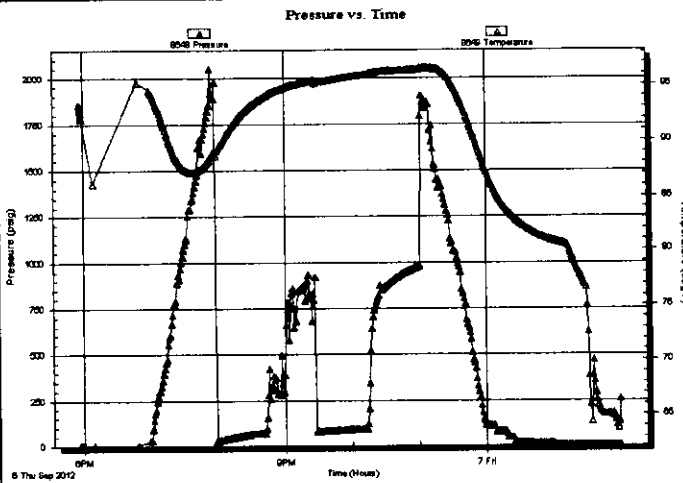
Test Type: Conventional Straddle (Initial)
 Tester: Kevin Mack
 Unit No: 43

Interval: **3805.00 ft (KB) To 3814.00 ft (KB) (TVD)**
 Total Depth: 3893.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2344.00 ft (KB)
 2339.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8648 **Inside**
 Press@RunDepth: psig @ 3806.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.06 End Date: 2012.09.07 Last Calib.: 2012.09.07
 Start Time: 17:57:05 End Time: 02:02:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45 - IF- Surface Blow built to 8 1/4"
 45 - IS- Surface Return started at 5 in. Built to 2"
 30 - FF- Surface Blow built to 7 1/4"
 30 - FS- Surface Return started at 35 min. Did not build or die.



PRESSURE SUMMARY

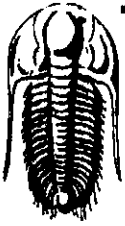
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCMW 30M 30o 40W	0.30
120.00	Free Oil 100o	1.14

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

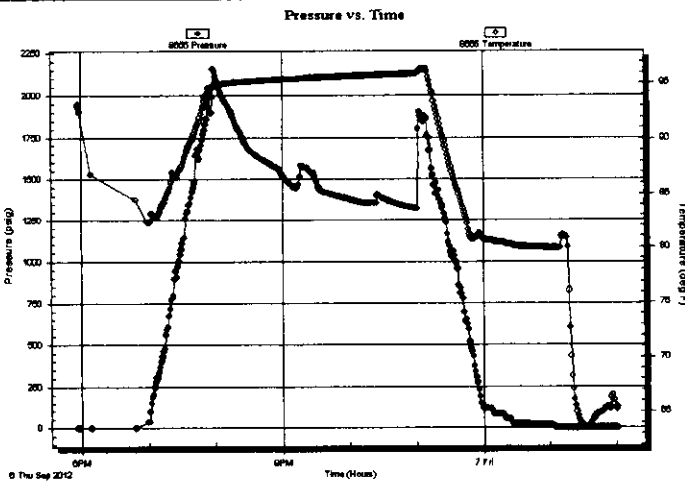
25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48061 **DST#: 7**
Test Start: 2012.09.06 @ 17:57:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 19:59:45
Time Test Ended: 02:04:30
Interval: **3805.00 ft (KB) To 3814.00 ft (KB) (TVD)**
Total Depth: 3893.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Straddle (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 2344.00 ft (KB)
2339.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8655 Below (Straddle)
Press@RunDepth: psig @ 3824.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.09.06 End Date: 2012.09.07 Last Calib.: 2012.09.07
Start Time: 17:57:05 End Time: 02:02:29 Time On Btm:
Time Off Btm:

TEST COMMENT: 45 - IF- Surface Blow built to 8 1/4"
45 - IS- Surface Return started at 5 in. Built to 2"
30 - FF- Surface Blow built to 7 1/4"
30 - FS- Surface Return started at 35 min. Did not build or die.



PRESSURE SUMMARY

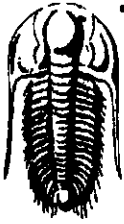
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCMW 30M 30o 40W	0.30
120.00	Free Oil 100o	1.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48061 **DST#: 7**
Test Start: 2012.09.06 @ 17:57:00

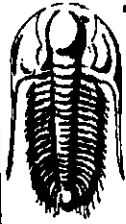
Tool Information

Drill Pipe:	Length: 3684.00 ft	Diameter: 3.80 inches	Volume: 51.68 bbl	Tool Weight: 2500.00 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: 50000.00 lb
			<u>Total Volume: 52.27 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3805.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	3810.00 ft			
Interval between Packers:	5.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3785.00	
Shut In Tool	5.00			3790.00	
Hydraulic tool	5.00			3795.00	
Packer	5.00			3800.00	21.00 Bottom Of Top Packer
Packer	5.00			3805.00	
Stubb	1.00			3806.00	
Recorder	0.00	8648	Inside	3806.00	
Recorder	0.00	6799	Inside	3806.00	
Perforations	3.00			3809.00	
Blank Off Sub	1.00			3810.00	5.00 Tool Interval
Packer	4.00			3814.00	
Stubb	1.00			3815.00	
Perforations	8.00			3823.00	
Change Over Sub	1.00			3824.00	
Recorder	0.00	8655	Below	3824.00	
Drill Pipe	63.00			3887.00	
Change Over Sub	1.00			3888.00	
Bullnose	5.00			3893.00	83.00 Bottom Packers & Anchor

Total Tool Length: 109.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil, Co.
113 W Main
Logan, KS 67646
ATTN: Rich Bell / Jim Bair

25-3s-22w Norton, KS
Jacobson #1-25
Job Ticket: 48061 **DST#: 7**
Test Start: 2012.09.06 @ 17:57:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	18 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCMW 30M 30o 40W	0.295
120.00	Free Oil 100o	1.137

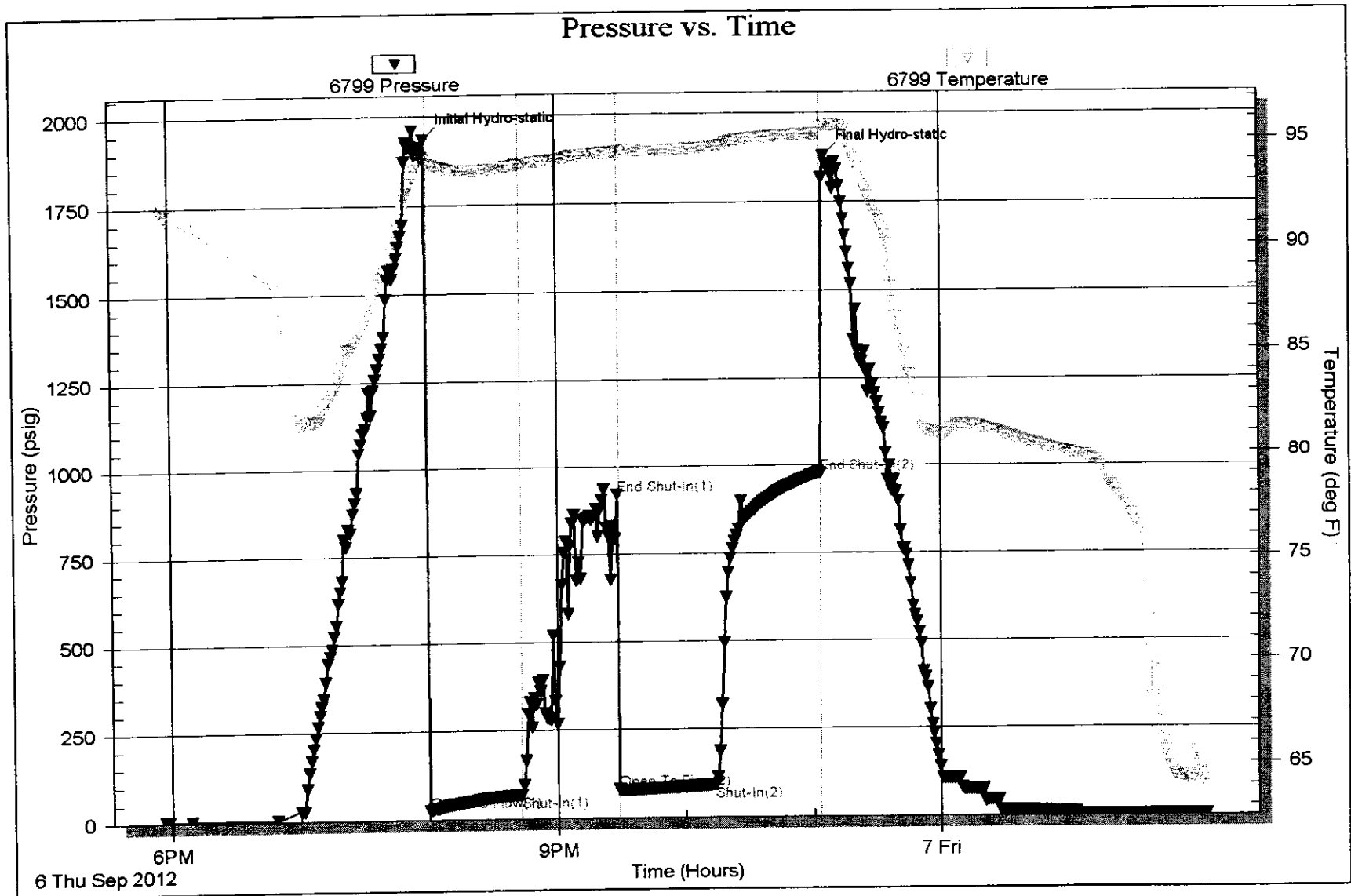
Total Length: 180.00 ft Total Volume: 1.432 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Oil API 20 @ 80 deg = 18 cor.

Serial #: 6799

Inside Baird Oil, Co.

Jacobson #1-25

DST Test Number: 7

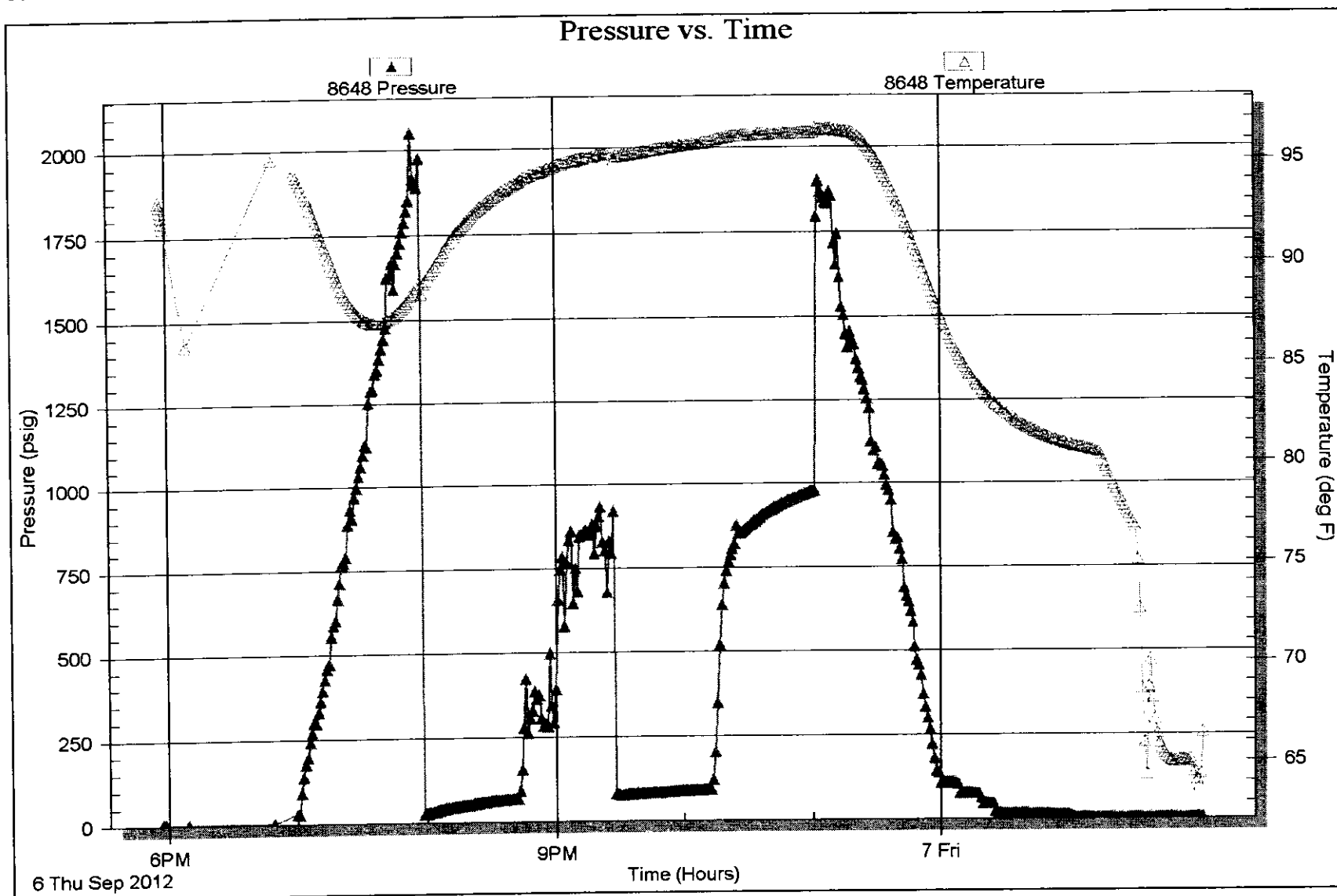


Serial #: 8648

Inside Baird Oil, Co.

Jacobson #1-25

DST Test Number: 7

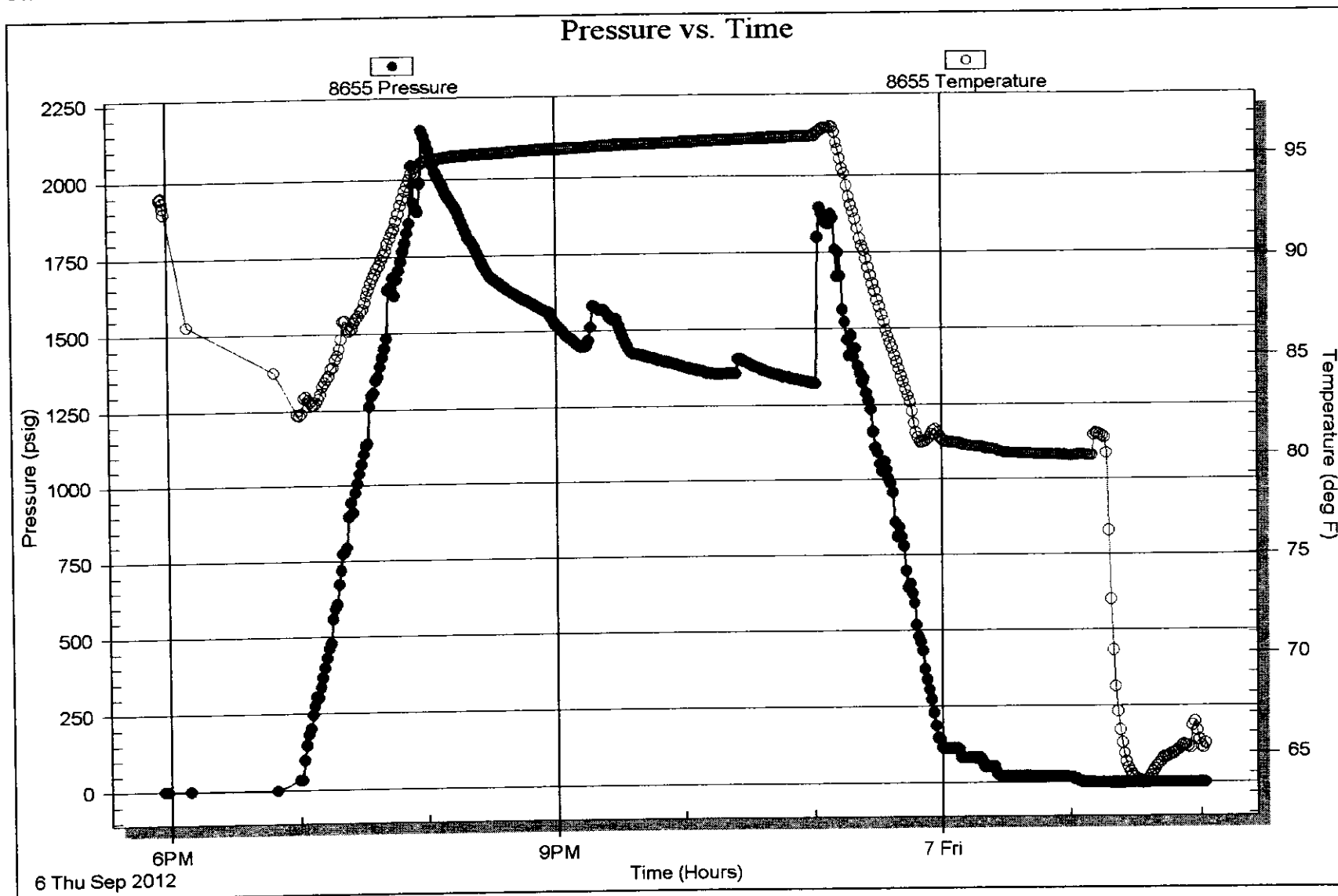


Serial #: 8655

Below (Stratton) Oil Co.

Jacobson #1-25

DST Test Number: 7





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48076

Well Name & No. Jacobson #1-25 Test No. 1 Date 9-3-12
 Company Beard Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig UV#8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3582-3606 Zone Tested LKC "A"
 Anchor Length 24' Drill Pipe Run 3461 Mud Wt. 8.9
 Top Packer Depth 3578 Drill Collars Run 120 Vis 60
 Bottom Packer Depth 3582 Wt. Pipe Run Ø WL 7.2
 Total Depth 3606 Chlorides 1000 ppm System LCM 1.5#

Blow Description IF- No Blow - Flushed tool at 5 min. - NO Blow
IS- No Return
FF- Pulled tool at end of IS
FS- n/a

Rec	Feet of	%gas	spots	%oil	%water	%mud
5	OSM				100	
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 5 BHT 98 Gravity - API RW - @ - F Chlorides - ppm

(A) Initial Hydrostatic 1806 Test 1150 T-On Location 5:50 AM
 (B) First Initial Flow 18 Jars T-Started 6:32 AM
 (C) First Final Flow 20 Safety Joint T-Open 8:08 AM
 (D) Initial Shut-In 79 Circ Sub NIL T-Pulled 9:08 AM
 (E) Second Initial Flow - Hourly Standby T-Out 10:35 AM
 (F) Second Final Flow - Mileage 100 RT 155 Comments _____
 (G) Final Shut-In - Sampler _____
 (H) Final Hydrostatic 1765 Straddle _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow - Extra Recorder _____
 Final Shut-In - Day Standby _____
 Sub Total 1305 Accessibility _____
 MP/DST Disc't _____

Approved By _____ Our Representative 

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48058

Well Name & No. <u>Jacobson #125</u>	Test No. <u>2</u>	Date <u>9-3-12</u>
Company <u>Baird Oil Company</u>	Elevation <u>2344</u>	KB <u>2339</u> GL
Address <u>113 W Main Logan, KS 67646</u>		
Co. Rep / Geo. <u>Rich Bell</u>	Rig <u>LW#8</u>	
Location: Sec. <u>25</u> Twp. <u>3S</u> Rge. <u>22W</u> Co. <u>Morton</u> State <u>KS</u>		

Interval Tested <u>3606-3646</u>	Zone Tested <u>LKC "C-D"</u>
Anchor Length <u>40'</u>	Drill Pipe Run <u>3485</u> Mud Wt. <u>9.2</u>
Top Packer Depth <u>3602</u>	Drill Collars Run <u>120</u> Vis <u>54</u>
Bottom Packer Depth <u>3606</u>	Wt. Pipe Run <u>8</u> WL <u>7.2</u>
Total Depth <u>3646</u>	Chlorides <u>1,400</u> ppm System LCM <u>1.5#</u>

Blow Description IF- Bob in 21 min.
IS- Weak Surface Return Started at 2 min. Built to 1/4"
FF- Bob in 27 min.
FS- NO Return

Rec	Feet of	%gas	SPOTS	%oil	%water	%mud
<u>10</u>	<u>OSMW</u>			<u>70</u>	<u>30</u>	
<u>252</u>	<u>MW</u>			<u>85</u>	<u>15</u>	
<u>183</u>	<u>MW</u>			<u>95</u>	<u>5</u>	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

Rec Total <u>445</u>	BHT <u>98</u>	Gravity <u>—</u>	API RW	@	F Chlorides	ppm
(A) Initial Hydrostatic <u>1823</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5:50 PM</u>				
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars	T-Started <u>6:24 PM</u>				
(C) First Final Flow <u>148</u>	<input type="checkbox"/> Safety Joint	T-Open <u>7:56 PM</u>				
(D) Initial Shut-In <u>1175</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>10:56 PM</u>				
(E) Second Initial Flow <u>164</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>12:40 AM</u>				
(F) Second Final Flow <u>243</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> <u>155</u>	Comments				
(G) Final Shut-In <u>1233</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer				
(H) Final Hydrostatic <u>1866</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer				
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies				
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>				
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Total <u>1305</u>				
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't				
	<input type="checkbox"/> Accessibility	Sub Total <u>1305</u>				

Approved By _____ Our Representative

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.

Test Ticket

TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

NO. 48057

Well Name & No.	Jacobson #1-25	Test No.	3	Date	9-4-12
Company	Baird Oil Company	Elevation	2344	KB	2339
Address	113 W Main Logan, KS 67646				
Co. Rep / Geo.	Rich Bell	Rig	LW#8		
Location: Sec.	25	Twp.	35	Rge.	22W
		Co.	Norton	State	KS

Interval Tested	3645-3668	Zone Tested	LKC "E-F"
Anchor Length	23'	Drill Pipe Run	3522
Top Packer Depth	3641	Drill Collars Run	120
Bottom Packer Depth	3645	Wt. Pipe Run	Ø
Total Depth	3668	Chlorides	1,400 ppm System
		LCM	1.5

Blow Description IF- Surface Blow built to 1 1/2"
 IS- No Return
 FF- No Blow
 FS- No Return

Rec	Feet of	%gas	SPOTS	%oil	%water	%mud
60	OSM				100	

Rec Total	60	BHT	95	Gravity	—	API RW	—	@	—	F Chlorides	—	ppm
(A) Initial Hydrostatic	1838	<input checked="" type="checkbox"/> Test	1150	T-On Location	7:00 AM							
(B) First Initial Flow	18	<input type="checkbox"/> Jars		T-Started	7:30 AM							
(C) First Final Flow	34	<input type="checkbox"/> Safety Joint		T-Open	9:10 AM							
(D) Initial Shut-In	1181	<input checked="" type="checkbox"/> Circ Sub	N/C	T-Pulled	11:10 AM							
(E) Second Initial Flow	36	<input type="checkbox"/> Hourly Standby		T-Out	1:09 PM							
(F) Second Final Flow	49	<input checked="" type="checkbox"/> Mileage	100 RT 155	Comments								
(G) Final Shut-In	1172	<input type="checkbox"/> Sampler										
(H) Final Hydrostatic	1805	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer								

Initial Open	30	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	30	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	30	<input type="checkbox"/> Extra Recorder		Sub Total	0
Final Shut-In	30	<input type="checkbox"/> Day Standby		Total	1305
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	1305		

Approved By _____ Our Representative _____

Triblate Testing inc. shall not be liable for damages 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48052

Well Name & No.	Jacobson #1-25	Test No.	4	Date	9-5-12
Company	Barrett Oil Company	Elevation	2344	KB	2339
Address	113 W Main Logan, KS 67646	GL			
Co. Rep / Geo.	Rich Bell	Rig	WW#8		
Location: Sec.	25	Twp.	35	Rge.	22W
		Co.	Norton	State	KS

Interval Tested	3779-3820	Zone Tested	Marmaton
Anchor Length	41'	Drill Pipe Run	3648
Top Packer Depth	3775	Drill Collars Run	120
Bottom Packer Depth	3779	Wt. Pipe Run	6
Total Depth	3826	Chlorides	2,200 ppm System
Blow Description	IF - BoB in 3 min IS - No Return FF - BoB in 5 min. FS - No Return		

Rec	Feet of	%gas	%oil	%water	%mud
1	Free oil	100			
156	OC MW	10	40	50	
189	OC MW	5	80	15	
189	OC MW	29	60	10	
120	OC MW	2	93	5	

Rec Total	655	BHT	99	Gravity	-	API RW	@	F Chlorides	ppm
(A) Initial Hydrostatic	1910	<input checked="" type="checkbox"/> Test	1150	T-On Location	3:20 AM				
(B) First Initial Flow	131	<input type="checkbox"/> Jars		T-Started	3:29 AM				
(C) First Final Flow	183	<input type="checkbox"/> Safety Joint		T-Open	5:30 AM				
(D) Initial Shut-In	1068	<input checked="" type="checkbox"/> Circ Sub	N/K	T-Pulled	7:45 AM				
(E) Second Initial Flow	247	<input type="checkbox"/> Hourly Standby		T-Out	11:08 AM				
(F) Second Final Flow	331	<input checked="" type="checkbox"/> Mileage	100RT 155	Comments					
(G) Final Shut-In	995	<input type="checkbox"/> Sampler		<input type="checkbox"/> Ruined Shale Packer					
(H) Final Hydrostatic	1839	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Packer					
Initial Open	15	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Extra Copies					
Initial Shut-In	45	<input type="checkbox"/> Extra Packer		Sub Total	0				
Final Flow	30	<input type="checkbox"/> Extra Recorder		Total	1305				
Final Shut-In	45	<input type="checkbox"/> Day Standby		MP/DST Disc't					
		<input type="checkbox"/> Accessibility							
		Sub Total	1305						

Approved By _____

Our Representative 

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48059

Well Name & No. Jacobson #1-25 Test No. 5 Date 9-5-12
 Company Beard Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig WW#8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3840-3855 Zone Tested BSI. Penn. Sd
 Anchor Length 15' Drill Pipe Run 3711 Mud Wt. 94
 Top Packer Depth 3836 Drill Collars Run 120 Vis 50
 Bottom Packer Depth 3840 Wt. Pipe Run Ø WL 7.2
 Total Depth 3855 Chlorides 2000 ppm System LCM 3#
 Blow Description IF- 1/8" Blow did not build or circ
IS- No Return
FF- No Blow
FS- NO Return

Rec	Feet of	%gas	%oil	%water	%mud
10	OSM	SPOTS		100	
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 10 BHT 98 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic	<u>1931</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>4:50 PM</u>
(B) First Initial Flow	<u>22</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>5:20 PM</u>
(C) First Final Flow	<u>28</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>6:57 PM</u>
(D) Initial Shut-In	<u>731</u>	<input checked="" type="checkbox"/> Circ Sub	<u>NIC</u>	T-Pulled	<u>8:57 PM</u>
(E) Second Initial Flow	<u>30</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>10:15 PM</u>
(F) Second Final Flow	<u>35</u>	<input checked="" type="checkbox"/> Mileage	<u>100 RT 155</u>	Comments	
(G) Final Shut-In	<u>562</u>	<input type="checkbox"/> Sampler		<input type="checkbox"/> Ruined Shale Packer	
(H) Final Hydrostatic	<u>1880</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Packer	
Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Extra Copies	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer		Sub Total	<u>0</u>
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Recorder		Total	<u>1630</u>
Final Shut-In	<u>30</u>	<input type="checkbox"/> Day Standby		MP/DST Disc't	
		<input type="checkbox"/> Accessibility			
		Sub Total	<u>1630</u>		

Approved By _____ Our Representative 

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48080

Well Name & No. <u>Jacobson #1-25</u>	Test No. <u>6</u>	Date <u>9-6-12</u>
Company <u>Beard Oil Company</u>	Elevation <u>2344</u>	KB <u>2339</u> GL
Address <u>113 W Main Logan, KS 67646</u>		
Co. Rep / Geo. <u>Rich Bell</u>	Rig <u>WW#8</u>	
Location: Sec. <u>25</u> Twp. <u>35</u> Rge. <u>22W</u> Co. <u>Norton</u> State <u>KS</u>		

Interval Tested <u>3855-3870</u>	Zone Tested <u>Bsl. Penn. Sd.</u>
Anchor Length <u>15'</u>	Drill Pipe Run <u>3711</u> Mud Wt. <u>9.4</u>
Top Packer Depth <u>3851</u>	Drill Collars Run <u>120</u> Vis <u>50</u>
Bottom Packer Depth <u>3855</u>	Wt. Pipe Run <u>Ø</u> WL <u>7.2</u>
Total Depth <u>3870</u>	Chlorides <u>2000</u> ppm System LCM <u>3#</u>

Blow Description IF - Weak surface blow dir'd in 3 min.
IS - No Return
FP - pulled tool at end of "IS"
FS -

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OSM</u>	<u>SPOTS</u>		<u>100</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 <u>5</u>	BHT <u>96</u>	Gravity <u>-</u>	API RW <u>-</u>	@ <u>-</u>	F Chlorides <u>-</u> ppm
(A) Initial Hydrostatic <u>1943</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>4:50 PM 9-5-12</u>			
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>3:21 AM</u>			
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>5:53 AM</u>			
(D) Initial Shut-In <u>1026</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>6:53 AM</u>			
(E) Second Initial Flow <u>-</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>8:31 AM</u>			
(F) Second Final Flow <u>-</u>	<input type="checkbox"/> Mileage	Comments			
(G) Final Shut-In <u>-</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer			
(H) Final Hydrostatic <u>1799</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer			
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies			
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>			
Final Flow <u>-</u>	<input type="checkbox"/> Extra Recorder	Total <u>1475</u>			
Final Shut-In <u>-</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't			
	<input type="checkbox"/> Accessibility	Sub Total <u>1475</u>			

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48061

Well Name & No. Jacobson # 1-25 Test No. 7 Date 9-6-12
 Company Baird Oil Company Elevation 2344 KB 2339 GL
 Address 113 W Main Logan, KS 67646
 Co. Rep / Geo. Rich Bell Rig LW #8
 Location: Sec. 25 Twp. 3S Rge. 22W Co. Norton State KS

Interval Tested 3805-3814 Zone Tested Marmaton
 Anchor Length 9' Drill Pipe Run 3684 Mud Wt. 9.3
 Top Packer Depth 3801 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 3805 - 3814 - ^{straddle} packer Wt. Pipe Run ✓ WL 8.0
 Total Depth 3893 79' ^{tail} pipe Chlorides 2,800 ppm System LCM 2#

Blow Description IF - Surface Blow built to 8 1/4"
IS - Surface Return started at 5 min. Built to 2"
FF - Surface Blow built to 7 1/8"
FS - Surface Return started at 35 min. ~~Did not~~ build or die.

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Free oil</u>				
<u>60</u>	<u>OCMW</u>	<u>30</u>	<u>40</u>	<u>30</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 180 BHT 95 Gravity 18 API RW - @ - F Chlorides - ppm
 (A) Initial Hydrostatic 1933 Test 1150 T-On Location 5:50 PM
 (B) First Initial Flow 25 Jars 250 T-Started 5:57 PM
 (C) First Final Flow 68 Safety Joint 75 T-Open 7:59 PM
 (D) Initial Shut-In 919 Circ Sub NIL T-Pulled 10:59 PM
 (E) Second Initial Flow 80 Hourly Standby T-Out 2:05 AM
 (F) Second Final Flow 92 Mileage 100 RT 155 Comments
 (G) Final Shut-In 977 Sampler
 (H) Final Hydrostatic 1878 Straddle 600 Ruined Shale Packer
 Shale Packer Ruined Packer 320
 Initial Open 45 Extra Packer Extra Copies
 Initial Shut-In 45 Extra Recorder Sub Total 320
 Final Flow 45 Day Standby Total 2550
 Final Shut-In 45 Accessibility MP/DST Disc't
 Sub Total 2230

Approved By _____ Our Representative [Signature]

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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/>

Sam Brownback, Governor

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

January 04, 2013

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

Re: ACO-1
API 15-137-20612-00-00
Jacobson 1-25
SW/4 Sec.25-03S-22W
Norton County, Kansas

Dear Jim R. Baird:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 8/30/2012 and the ACO-1 was received on January 03, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department