



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1106474
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1106474

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Quinn 3-2
Doc ID	1106474

Tops

Name	Top	Datum
Anhydrite	1888	+368
Base Anhydrite	1921	+335
Topeka	3251	-995
Heebner	3453	-1197
Toronto	3477	-1221
Lansing	3494	-1238
Base Kansas City	3687	-1431
Marmaton	3727	-1471
Total Depth	3797	-1541

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 15-065-23863-00-00
Quinn 3-2
NW/4 Sec.02-07S-22W
Graham 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



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



Invoice

DATE	INVOICE #
10/11/2012	22903

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	#3-2	Quinn	Graham	WW Drilling	Oil	Development	8-5/8" Surface	Josh

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	6.00	420.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.) - 218 Feet	1	Job	1,000.00	1,000.00
325	Standard Cement	150	Sacks	13.50	2,025.00T
278	Calcium Chloride	4	Sack(s)	40.00	160.00T
279	Bentonite Gel	3	Sack(s)	25.00	75.00T
290	D-Air	2	Gallon(s)	35.00	70.00T
581D	Service Charge Cement	150	Sacks	2.00	300.00
583D	Drayage	515.2	Ton Miles	1.00	515.20
	Subtotal				4,565.20
	Sales Tax Graham County			7.55%	175.92
	<p style="text-align: center;"> <i>R10/19/2012</i> <i>P10/19/2012</i> <i>Quinn 190402 4741.12</i> <i>Quinn 3-2 - Pump charge, cement</i> <i>& other misc used to cement</i> <i>surface casing</i> </p>				

We Appreciate Your Business!	Total	\$4,741.12
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CHARGE TO: **BADDS OIL Co.**
 ADDRESS:
 CITY, STATE, ZIP CODE

TICKET No. **22903**

PAGE 1 OF 1

1. SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Hays, Ks	3-2	QUINN	GEARW	Ks		10-11-12	SAME
2. Hays	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
	<input checked="" type="checkbox"/> SERVICE	WV DRIG.		CT	LOCATION		
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE		WELL PERMIT NO.		
	OT	Development	8 5/8" SURFACE				
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS					WELL LOCATION	HALL GUY, Ks. 82, SIBES

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 112	70	ME			6.00	420.00
5765		1			PUMP CHANGE	1	JOB	218	FT	1000.00	1000.00
325		1			STANDS CONS	150	SBS			13.50	2025.00
278		1			CALCIUM CHLORIDE	4	SBS			40.00	160.00
279		1			BOSTONITE GEL	3	SBS			25.00	75.00
290		1			D-ADD	2	GAL			35.00	70.00
581		1			SEALIZE CHANGE CONS	150	SBS			2.00	300.00
583		1			DEBRAGE	14720	WS	515	27mm	1.00	51520.00

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: 10-11-12
 TIME SIGNED: 1900
 A.M. P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4565.20
 TOTAL: 4741.18
 Graham TAX 7.55%

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

JOB LOG

SWIFT Services, Inc.

DATE 10-11-12 PAGE NO. 1

CUSTOMER **BAIRD OIL CO.** WELL NO. **3-2** LEASE **QUTWN** JOB TYPE **8 5/8" SURFACE** TICKET NO. **22903**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)		PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					T	C	TUBING	CASING	
	1830								ON LOCATION
									TD - 218' SET = 218'
									TP - 222' 8 5/8" # 24
									LEAVE 15' CEMENT IN CASING
	1835								BREAK CIRCULATION
	1905	5	36.3			✓		150	MIX CEMENT - 150 SKS STANDARD 2% GEL, 3% CC
	1913	6 1/2	13 1/4			✓		200	DISPLACE CEMENT
	1915								SHUT IN
									CIRCULATED 15 SKS CEMENT TO PET
									WASH TRUCK
	2000								JOB COMPLETE
									THANK YOU WAYNE, JOSH B., JON, DOUG

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
10/19/2012	22904

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	#3-2	Quinn	Graham	WW Drilling	Oil	Development	5-1/2" LongString	Josh
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
280	Flocheck 21				500	Gallon(s)	2.50	1,250.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
402-5	5 1/2" Centralizer				11	Each	70.00	770.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar - 1897 Feet				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
411-5	5 1/2" Recipo Scratcher				30	Each	45.00	1,350.00T
325	Standard Cement				200	Sacks	13.50	2,700.00T
326	60/40 Pozmix (2% Gel)				40	Sacks	11.00	440.00T
283	Salt				1,550	Lb(s)	0.20	310.00T
285	CFR-1				950	Lb(s)	4.00	3,800.00T
276	Flocele				50	Lb(s)	2.00	100.00T
277	Gilsonite (Coal Seal)				50	Lb(s)	0.75	37.50T
581D	Service Charge Cement				240	Sacks	2.00	480.00
583D	Drayage				985.12	Ton Miles	1.00	985.12
	Subtotal							17,572.62
	Sales Tax Graham County						7.55%	1,066.63

R 10/24/12
P 10/24/12
Quinn 190402 18639.25
Quinn 3-2- pump charge, cement, and other misc used to cement production casing.

We Appreciate Your Business!

Total

\$18,639.25



Services, Inc.

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

TICKET No 22904

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Hays KS</u>	WELL/PROJECT NO. <u>3-2</u>	LEASE <u>Quinn</u>	COUNTY/PARISH <u>Graham</u>	STATE <u>Ks</u>	CITY <u>Hill City</u>	DATE <u>10-19-12</u>	OWNER
2. <u>Ness City KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>W W</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3. REFERRAL LOCATION	WELL TYPE <u>Develop</u>	WELL CATEGORY <u>Oil</u>	JOB PURPOSE <u>5 1/2" Long String</u>	WELL PERMIT NO.	WELL LOCATION		
INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #112	80	mi			6.00	480.00
578		1			Pump Charge Long String	1	ea			1500.00	1500.00
221		1			Liquid KCL	2	gal			25.00	50.00
280		1			Flocheck 21	500	gal			2.50	1250.00
890		1			O-Air	2	gal			35.00	70.00
400 407		1			Barite Inset Floet Shoe	1	ea			350.00	350.00
402		1			Centralizer	11	ea			70.00	770.00
403		1			Lement Bagket	1	ea			250.00	250.00
404		1			Port Collar @ 1897'	1	ea			2400.00	2400.00
406		1			Latch Down Plug + Baffle	1	ea			250.00	250.00
411		1			Recipio Scratches	30	ea			45.00	1350.00

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 10-19-12 TIME SIGNED 1030 A.M. P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
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	

PAGE TOTAL	8720.00
TOTAL	18,639.20

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



Switzer, Inc.

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

TICKET CONTINUATION

TICKET No. 22904

CUSTOMER Beard Oil

WELL Avim

3-2

DATE 10-19-12

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE	UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM			
325		2				Standard Cement	200	SKS		13.50	2700.00
326		2				60/40 Pozmix 2% cel	40	SKS		11.00	440.00
283		2				Salt	1550	lbs		1.20	310.00
285		2				CFR-1	950	lbs		4.00	3800.00
276		2				Flocele	50	lbs		2.00	100.00
277		2				Coal Seal	50	lbs		75	3750.00
581		2				SERVICE CHARGE				2.00	480.00
583		2				MILEAGE CHARGE				1.00	985.12
						TOTAL WEIGHT	80				
						LOADED MILES	80				
						CUBIC FEET	240	SKS			
						TON MILES	985.12				

CONTINUATION TOTAL 8852.62

JOB LOG

SWIFT Services, Inc.

DATE 10-19-12 PAGE NO. 1

CUSTOMER Baird Oil WELL NO. 3-2 LEASE Quinn JOB TYPE 5 1/2" Long String TICKET NO. 22904

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1045							On location TD 3796 SS 2201 Insert 3767 TP 3788 PL @ 1897
	1215							Start Pipe
	1415							Drop Ball Break Circulation Reciprocate Pipe
	1515		7					Plug RH
	1525		10					Start KCL Flush
			12					Start flocheck 21
			5					Start KCL Flush
		4	9					Start Cement 60/40 poB 2% bel 40 SKS
			37					Start Standard Cmt 200 SKS
	1554							Drop Plug Wash out Pump + Lines
	1555	6.5						Displace Plug
	1610		92			1500		land Plug Release PSI Hold
								Wash up Truck Rack up
	1700							Job Complete
								Thank You Josh, Roger, Jon, Doug

SWIFT



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



Invoice

DATE	INVOICE #
10/22/2012	22871

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	#3-2	Quinn	Graham	Bach Well Service	Oil	Development	Port Collar	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-D	Pump Charge - Port Collar - 1902 Feet				1	Job	1,250.00	1,250.00
290	D-Air				2	Gallon(s)	35.00	70.00T
330	Swift Multi-Density Standard (MIDCON II)				180	Sacks	16.50	2,970.00T
276	Flocele				50	Lb(s)	2.00	100.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				880	Ton Miles	1.00	880.00
	Subtotal							6,200.00
	Sales Tax Graham County						7.55%	237.07
	<p>R 10/24/12</p> <p>P 10/24/12</p> <p>Quinn 190462 \$16437.07</p> <p>Quinn 3-2- pump charge, cement, + other misc expense used to Cement port collar.</p>							
								10/24/2012 CIC#12753

We Appreciate Your Business!

Total

\$6,437.07



Services, Inc.

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

TICKET No 22871

PAGE 1 OF 1

SERVICE LOCATIONS
1. Hays, KS
2. Ness City, KS
3.
4.

WELL/PROJECT NO. 43-2 LEASE Quinn COUNTY/PARISH Graham STATE KS CITY
TICKET TYPE SERVICE SALES CONTRACTOR Bash Well Service RIG NAME/NO.
WELL TYPE oil WELL CATEGORY Development JOB PURPOSE Port Collar DELIVERED TO Location
INVOICE INSTRUCTIONS

DATE 10-27-12 OWNER same
ORDER NO.
WELL PERMIT NO.
WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 111	80 mi		1902		1250.00	480.00
576D		1			Pump Charge (Port Collar)	1 cu				1250.00	1250.00
290		1			D-Air	2 gal				35.00	70.00
325 330		2			SMD Cement	180 bks				16.50	2970.00
276		2			Floecle	50 #				2.00	100.00
571		2			Cement Service Charge	225 bks				2.00	450.00
573		2			Drayage	880 TM				1.00	880.00

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 10-22-12 TIME SIGNED 1600
 A.M. P.M.

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

REMIT PAYMENT TO:

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
WE UNDERSTOOD AND MET YOUR NEEDS?
OUR SERVICE WAS PERFORMED WITHOUT DELAY?
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
ARE YOU SATISFIED WITH OUR SERVICE?

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL 6200

TAX 7.55% 237.07

TOTAL 6437.07

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL

SWIFT OPERATOR

Michelle Forke

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 10-22-12 PAGE NO. 7

CUSTOMER Bird Oil Co. WELL NO. #3-2 LEASE Quinn JOB TYPE Port Collar TICKET NO. 22871

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							on loc w/ P.C. Opening Tool 2 7/8" x 5 1/2" P.C. 1902'
								T14 w P.C. Tool Locate P.C.
	1420					1000		Test Csg to 1000 Psi
	1430	3	3			200		Open P.C. Taking rate 36bpm @ 200 Psi
	1440	3	0			200		Start Mud
	1504	4	80/0			250		Start wtr spacer
	1505	4	5/0			250		Start Cement
	1527	4	89			250		Circ. Cement / Raise weight
	1528	4	95/0			250		End Cement / start Displacement
	1530		10			300		Cement Displaced
								Close P.C.
						1000		Test Csg to 1000 Psi
	1540	3	0					Ran 3jts Reverse out
	1547		20					Hole Clean Wash up Trk TOOH w/ P.C. Tool
								180sks SMD Cement Circ 20sks to pit
								Thank you Nick, David E + Doug

A.P.T # 15-065-23863-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC.
 LEASE Quinn # 3-2
 FIELD Last Hope Northeast
 LOCATION 330' FNL + 330' FWL
 SEC 2 TWSP 7S RGE 22W
 COUNTY Graham STATE Kansas

ELEVATION
 KB 2256'
 DF 2254'
 GL 2251'
 Depths Measured From
 Log KB Drilling KB

CONTRACTOR WWD Drilling Rig # 8
 SPUD 10-11-12 COMP 10-19-12
 SAMPLES SAVED FROM 3230' TO R.T.D

CASING
 Surface 8 5/8" @ 218'
 Production 5 5/8" @ 3789'

ELECTRIC LOGS
Nabors

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<u>2769</u>	●	●		
<u>Anhydrite</u>	<u>1887</u>	<u>1888</u>	<u>+ 368</u>	<u>+ 369</u>	<u>+ 362</u>		
<u>Base Anhydrite</u>	<u>1921</u>	<u>1921</u>	<u>+ 335</u>	<u>+ 338</u>	<u>+ 329</u>		
<u>Tapeka</u>	<u>3252</u>	<u>3251</u>	<u>- 995</u>	<u>- 992</u>	<u>- 993</u>		
<u>Heabner</u>	<u>3453</u>	<u>3453</u>	<u>- 1197</u>	<u>- 1194</u>	<u>- 1196</u>		
<u>Toronto</u>	<u>3477</u>	<u>3477</u>	<u>- 1221</u>	<u>- 1218</u>	<u>- 1219</u>		
<u>Lansing</u>	<u>3494</u>	<u>3494</u>	<u>- 1238</u>	<u>- 1237</u>	<u>- 1236</u>		
<u>Base Kansas City</u>	<u>3687</u>	<u>3687</u>	<u>- 1431</u>	<u>- 1426</u>	<u>- 1424</u>		
<u>Marmaton</u>	<u>3727</u>	<u>3727</u>	<u>- 1471</u>	<u>- 1470</u>	<u>- 1467</u>		
<u>Total Depth</u>	<u>3796</u>	<u>3797</u>	<u>- 1541</u>	<u>- 1542</u>	<u>- 1539</u>		

REFERENCE WELLS

- ¹ Baird Oil Co, Quinn # 2-2, 330' FNL + 1330' FWL Sec. 2-7S-22W
- ² Baird Oil Co, Quinn # 1, 330' FNL + 2100' FWL Sec. 2-7S-22W
- ³ Post Collar ID 1897'

REMARKS

This well ran 102 feet lower on the Lansing top than the reference wells. Encouraging open hole logs and DST data warranted the cementing of production casing to further test the well. The following zones should be tested: 3649'-9654', 3641'-3643', 3567'-3571', 3526'-3528', 3494'-3498', and 3477'-3482'.


Richard A Bell
10-20-12

7502

LEGEND

- 

Anhydrite
- 

Salt
- 

Sandstone
- 

Shale
- 

Carb sh
- 

Limestone
- 

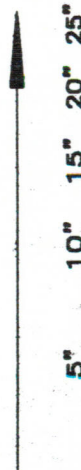
Ool.Lime
- 

Chert
- 

Dolomite

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



DEPTH

1880

1900

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

LOG 7710

60

80

3200

20

40

60

sh:gr,brn
LS:tm-gr mtd fs/f dns

LS:wh to-ht-gr sl:cky
fcln dns N.S.O

sh:brn, gry
LS:gr mtd fs/f dns

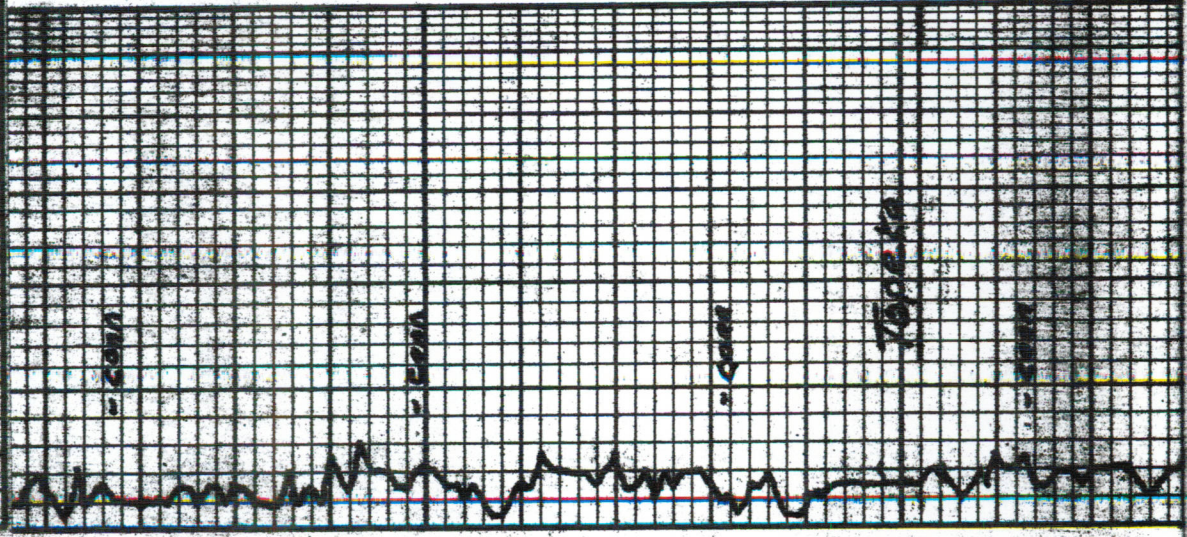
sh:brn, gry

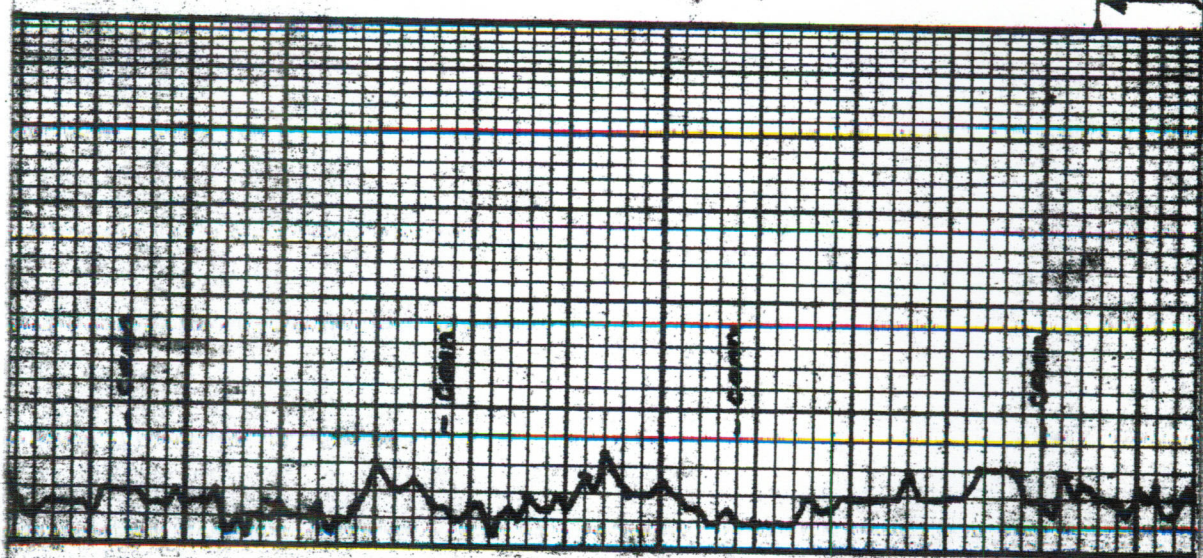
LS:wh to sl:cky-fcln oöl
ppp

sh:fs-whingrand glauc-spk
N.S.O

LS:gr mtd fs/f dns N.S.O
sh:gr,brn

LS:to-ht-brn fcln sl:fs/f



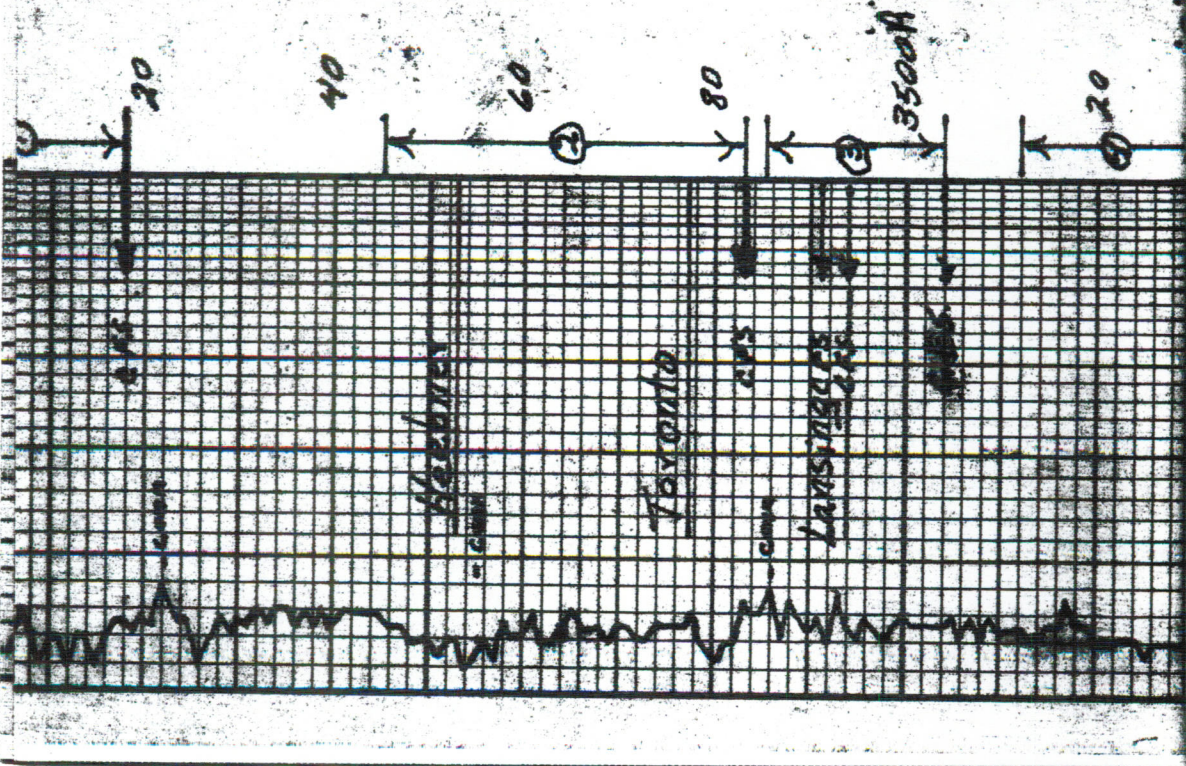


15: wh-tn-sli-cky-fsln-stk ppp N.S.O.	3300	15: wh-tn-sli-cky-fsln-stk ppp N.S.O.
15: tn-gry mtd fsln-dns sh: brn, gry, gco	20	15: wh-tn-cky-fsln-stk ppp N.S.O. Δ a.a.
15: wh-tn-sli-cky-fsln fsln-stk V. Δ ty wh-tn	40	15: wh-tn-cky-fsln-stk ppp N.S.O.
15: wh-tn-cky-fsln-stk fsln-stk ppp N.S.O.	60	15: wh-tn-cky-fsln-stk ppp N.S.O.
15: wh-tn-cky-fsln-stk fsln-stk ppp N.S.O.	80	15: wh-tn-cky-fsln-stk ppp N.S.O.
15: wh-tn-cky-fsln-stk fsln-stk ppp N.S.O.	3400	15: wh-tn-cky-fsln-stk ppp N.S.O.

Board 3390.33
Strap 3389.42
Diff. .91
Incline @ 3418' 10

Trilobite Testing
DST #1 3395-3418'
30-45-30-45
IF: B.O.B. in 7 3/4 min
ISI: wk blow
FF: B.O.B. in 8 min.
FSE: No blow
Recovery: 691' Total
C3' MW 5.0. 707.4. 302M
628' MW 952M, 572M
HYD: 1660-1614 #
FP: 26.203/211-339 #
BNP: 1059.1059 #
BHTemp: 114°F
Calends: 55.00 appm

DST #2 3445-3483'
30-30 Pulled Tool
IF: B.O.B. in 7 1/2 min.
ISI: No blow
Recovery: 378' Total
128' G.A. 1626. 8520
260' MO 707C, 302M
HYD: 1706-1658 #
FP: 52-134 #
BNP: 862 #
BHTemp: 107°F.
Calends: 23.00 PPT



LS: fahn - mala pp φ - 1000
 drk Ostrn pp f.d. strong
 odor Δ wk

LS: Lt. gry f.s. f. dms
 Tr Δ wk Lt. gry

LS: wh. to Lt. gry chy-fahn
 Tr sli. f.s. f. dms

Sh: Bk Carb.
 LS: mgry f.s. f. dms
 Sh: brn, gry

LS: wh. to sli. chy. f. in oil
 pp φ - impart φ Lt. f.s. f. dms
 Ostrn Tr pp f. dms f. d.
 f. odor Δ Lt. gry
 Sh: brn, gry

LS: wh. to f. in tr. oil w/ f. dms
 f. dms. impart φ - 1000
 Tr - fr Ostrn v. f. odor

Sh: brn, gry

LS: wh. to f. in oil w/ f. dms

DST #3 3485 - 3552
 45-45-46-48
 IF: B.O.B. in 31 min.
 ISI: wk blow incr. to 11 min
 FF: wk blow incr. to 6
 FST: No blow
 Recovery: 9022P 92 Total
 30' OCM 4070, 60% M
 62' MCO 6570, 35% M
 Hyd: 1723 - 1650 #
 FP: 12-43 / 40-51 #
 BHP: 60-60 #
 BHTemp: 108°F

DST #4 3512 - 3532
 30-30-30-45
 IF: B.O.B. in 2 min. 20 sec.
 ISI: wk blow incr. to 11
 FF: B.O.B. in 3 min. 20 sec.
 FST: wk blow incr. to 8
 Recovery: 297 G.I.P.
 193' Total
 70' GCMC 2526 70% 0.52 M
 315' GCMC 10% G 720
 637 W 20% M
 498' 50mcw 2706, 93% W
 310' mcw 95% W, 52 M
 Hyd: 1772 - 1683 #
 FP: 86-349 / 356 - 513 #
 BHP: 70-763 #
 BHTemp: 116°F
 Gravity: 28° API
 Chlorides: 40,000 ppm

DST #5 3532 - 3548
 30-30-15-20
 IF: B.O.B. in 5 min.
 ISI: No blow
 FF: B.O.B. 4 min. 20 sec.
 FST: No blow
 Recovery: 896 Total

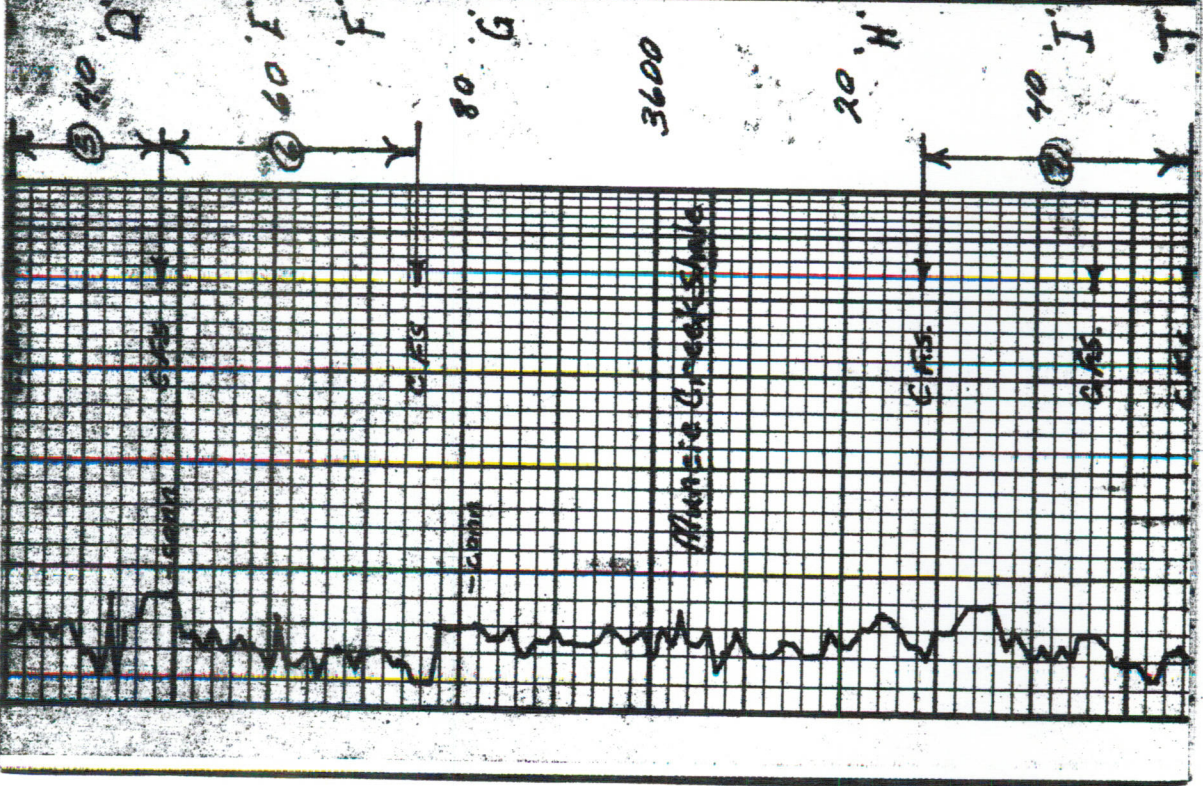
126' new 8520' 15300'
 74' new 2020' 4020'
 Hyd: 1789-1641#
 FP: 31-322/347-465#
 BHP: 912-912#
 BHTemp: 117°F
 Chlorides: 76,000 ppm

DST #6 3548'-3575'
 50-30-30-30
 IF: wk blow in: to 8 1/4"
 ISI: No blow
 FF: wk blow in: to 3"
 FSI: wk blow in: in 7 min
 Recovery: 30% G.I.P
 159' Total

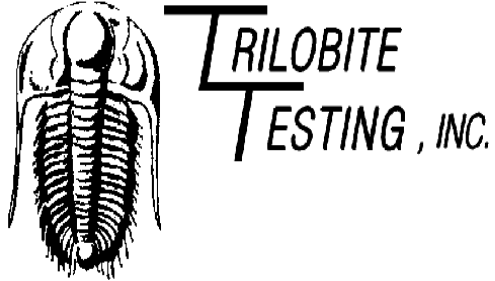
10' C.O.
 25' O.C.M 3520' 652 M
 124' O.W.C.M 220, 52 W
 93% M
 Hyd: 1726-1676#
 FP: 21-70/75-85#
 BHP: 192-151#
 BHTemp: 108°F
 Gravity: 33° API

DST #7 3628'-3656'
 15-30-30-45
 IF: B.O.B. in 2 min, 20 sec
 ISI: B.O.B. in 19 1/2 min.
 FF: B.O.B. in 3 min, 20 sec
 FSI: B.O.B. in 12 min.
 Recovery: 1050' G.I.P.
 648' Total
 20' G.O. 1876, 8220
 242' G.O. 4026, 6020
 386' G.I.M.C.O. 2026, 6520
 15% M
 Hyd: 1803-1724#
 FP: 45-137/148-245#
 BHP: 1118-1074#
 BHTemp: 111°F

sh: brn, gry
 ls: wh to sl: cky-fx in dns
 sh: brn, gry
 sh: blk carb.
 ls: to gry mtd f: ff dns
 sh: brn, gry
 ls: wh to sl: cky-fx in dns
 to spid o: stn
 to asp: stn
 ls: wh to ht: gry sl: cky-fx in dns
 sh: gry, brn
 ls: wh to fx in - f: f: sl: oot
 of abund f: ss, incl: pp
 15% mgs sh: o: stn pp: f: r
 ls: wh to sl: cky-fx in dns
 incl: ss. sh: o: stn. pp floating



✓
 ✓
 ✓
 ✓
 ✓
 ✓
 ✓



DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.14 @ 22:20:00

End Date: 2012.10.15 @ 04:54:52

Job Ticket #: 51037 DST #: 1

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

Printed: 2012.10.19 @ 16:01:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51037

DST#: 1

ATTN: Jim R Baird

Test Start: 2012.10.14 @ 22:20:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 00:10:22

Time Test Ended: 04:54:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: 3395.00 ft (KB) To 3418.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3418.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 338.51 psig @ 3396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.14

End Date:

2012.10.15

Last Calib.: 2012.10.15

Start Time: 22:20:23

End Time:

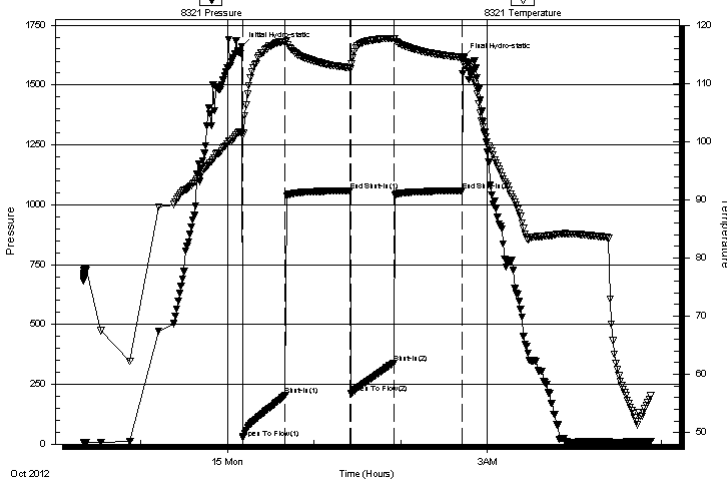
04:52:52

Time On Btm: 2012.10.15 @ 00:09:52

Time Off Btm: 2012.10.15 @ 02:43:22

TEST COMMENT: IFP-Good blow BOB in 7 3/4 min
ISI-Weak surface blow back built to 1/8"
FFP-Good blow BOB in 8 min
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.79	101.37	Initial Hydro-static
1	26.21	101.07	Open To Flow (1)
30	203.22	117.22	Shut-In(1)
75	1059.42	112.64	End Shut-In(1)
76	211.47	112.52	Open To Flow (2)
105	338.51	117.71	Shut-In(2)
153	1059.29	114.43	End Shut-In(2)
154	1614.47	113.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
628.00	MW 5%M95%W	7.68
63.00	MW with oil spots 30%M 70%W	0.88

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51037

DST#: 1

ATTN: Jim R Baird

Test Start: 2012.10.14 @ 22:20:00

Tool Information

Drill Pipe:	Length: 3266.00 ft	Diameter: 3.80 inches	Volume: 45.81 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	54000.00 lb
			<u>Total Volume: 46.42 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3395.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	43.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3376.00	
Shut In Tool	5.00			3381.00	
Hydraulic tool	5.00			3386.00	
Packer	4.00			3390.00	20.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Stubb	1.00			3396.00	
Recorder	0.00	8321	Inside	3396.00	
Recorder	0.00	8737	Outside	3396.00	
Perforations	19.00			3415.00	
Bullnose	3.00			3418.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51037

DST#: 1

ATTN: Jim R Baird

Test Start: 2012.10.14 @ 22:20:00

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: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
628.00	MW 5%M95%W	7.680
63.00	MW w ith oil spots 30%M 70%W	0.884

Total Length: 691.00 ft

Total Volume: 8.564 bbl

Num Fluid Samples: 0

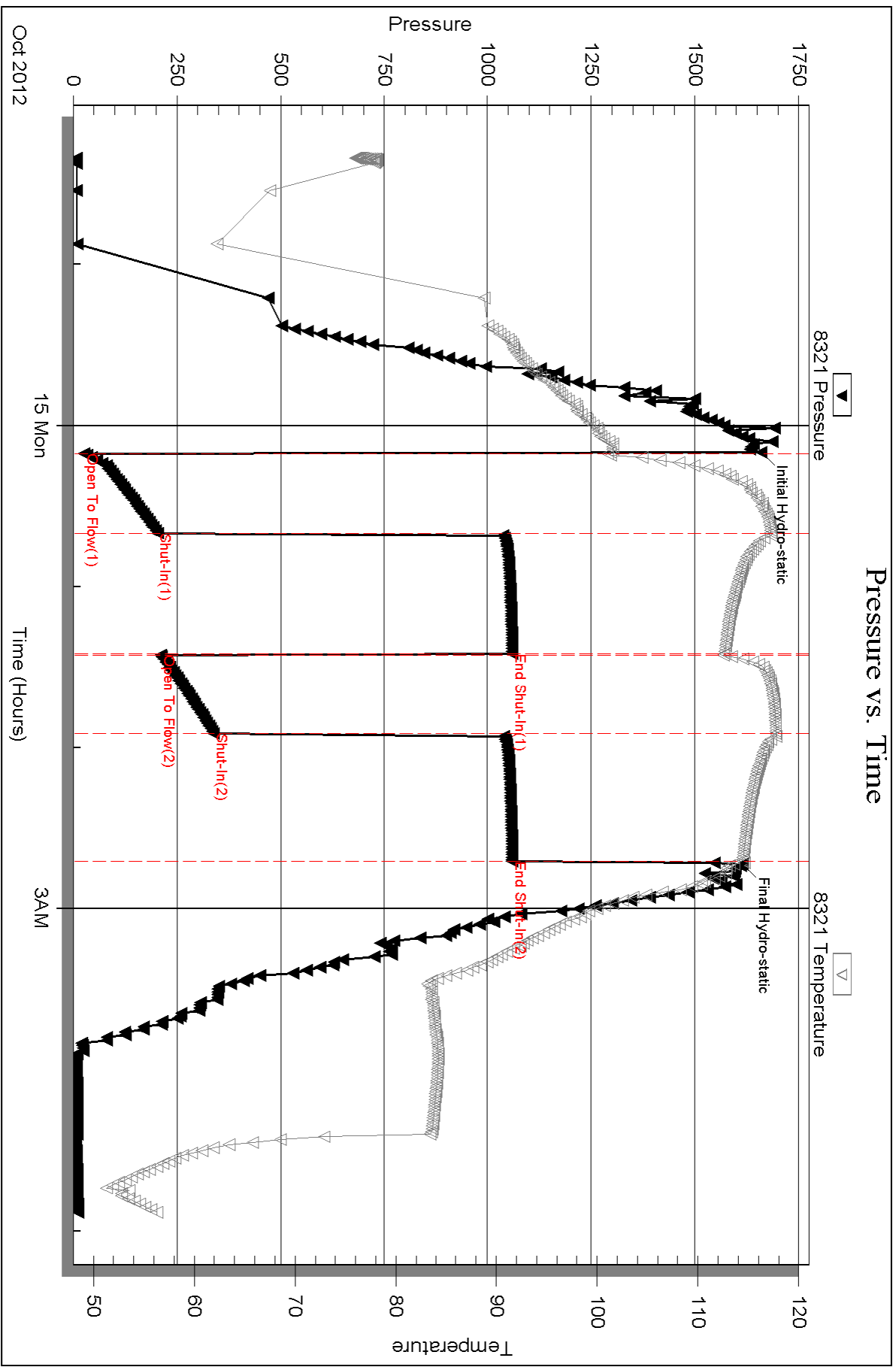
Num Gas Bombs: 0

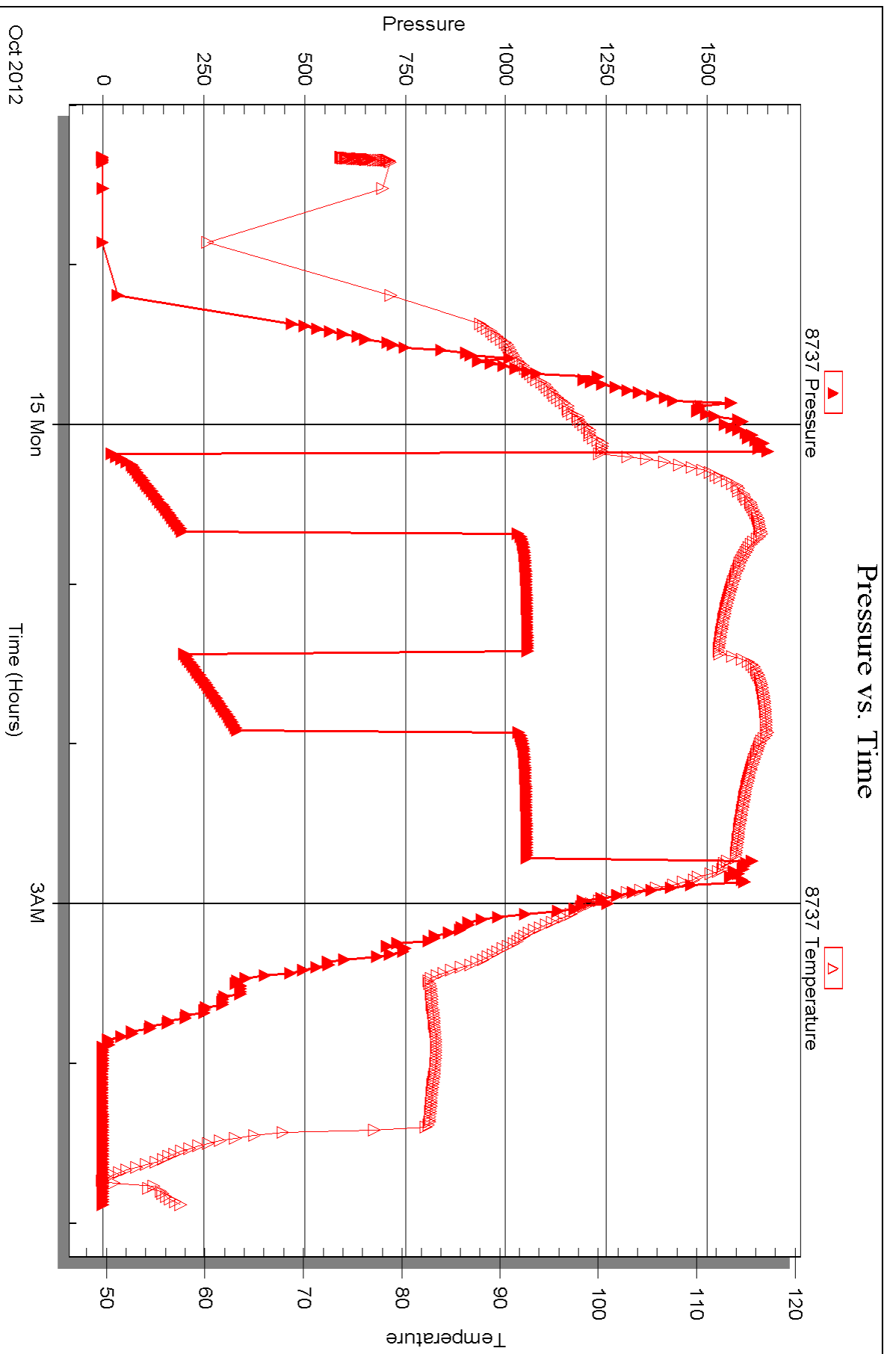
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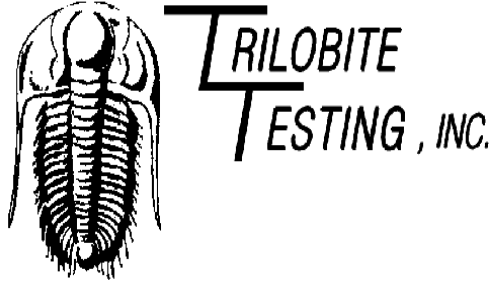
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.15 @ 12:57:35

End Date: 2012.10.15 @ 18:25:05

Job Ticket #: 51038 DST #: 2

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

Printed: 2012.10.19 @ 16:00:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51038

DST#: 2

ATTN: Jim R Baird

Test Start: 2012.10.15 @ 12:57:35

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 14:51:05

Time Test Ended: 18:25:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 44

Interval: 3445.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 133.73 psig @ 3448.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.15

End Date:

2012.10.15

Last Calib.: 2012.10.15

Start Time: 12:57:36

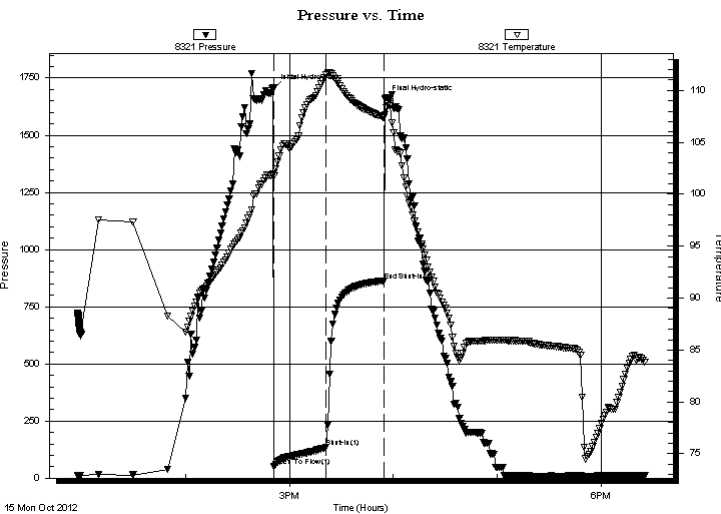
End Time:

18:25:05

Time On Btm: 2012.10.15 @ 14:50:35

Time Off Btm: 2012.10.15 @ 15:55:05

TEST COMMENT: IFP=Good blow BOB in 7 1/2 min
ISI=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.72	101.93	Initial Hydro-static
1	51.74	101.76	Open To Flow (1)
31	133.73	111.51	Shut-In(1)
64	862.38	107.42	End Shut-In(1)
65	1657.50	107.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MO 30% m 70% O	2.38
128.00	GO 15% G 85%)	1.80

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51038

DST#: 2

ATTN: Jim R Baird

Test Start: 2012.10.15 @ 12:57:35

Tool Information

Drill Pipe:	Length: 3330.00 ft	Diameter: 3.80 inches	Volume: 46.71 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 47.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3445.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	58.00 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			3426.00	
Shut In Tool	5.00			3431.00	
Hydraulic tool	5.00			3436.00	
Packer	4.00			3440.00	20.00 Bottom Of Top Packer
Packer	5.00			3445.00	
Stubb	1.00			3446.00	
Perforations	2.00			3448.00	
Recorder	0.00	8321	Inside	3448.00	
Recorder	0.00	8737	Outside	3448.00	
Perforations	32.00			3480.00	
Bullnose	3.00			3483.00	38.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51038

DST#: 2

ATTN: Jim R Baird

Test Start: 2012.10.15 @ 12:57:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	MO 30%m 70%O	2.377
128.00	GO 15%G 85%)	1.796

Total Length: 378.00 ft

Total Volume: 4.173 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8321

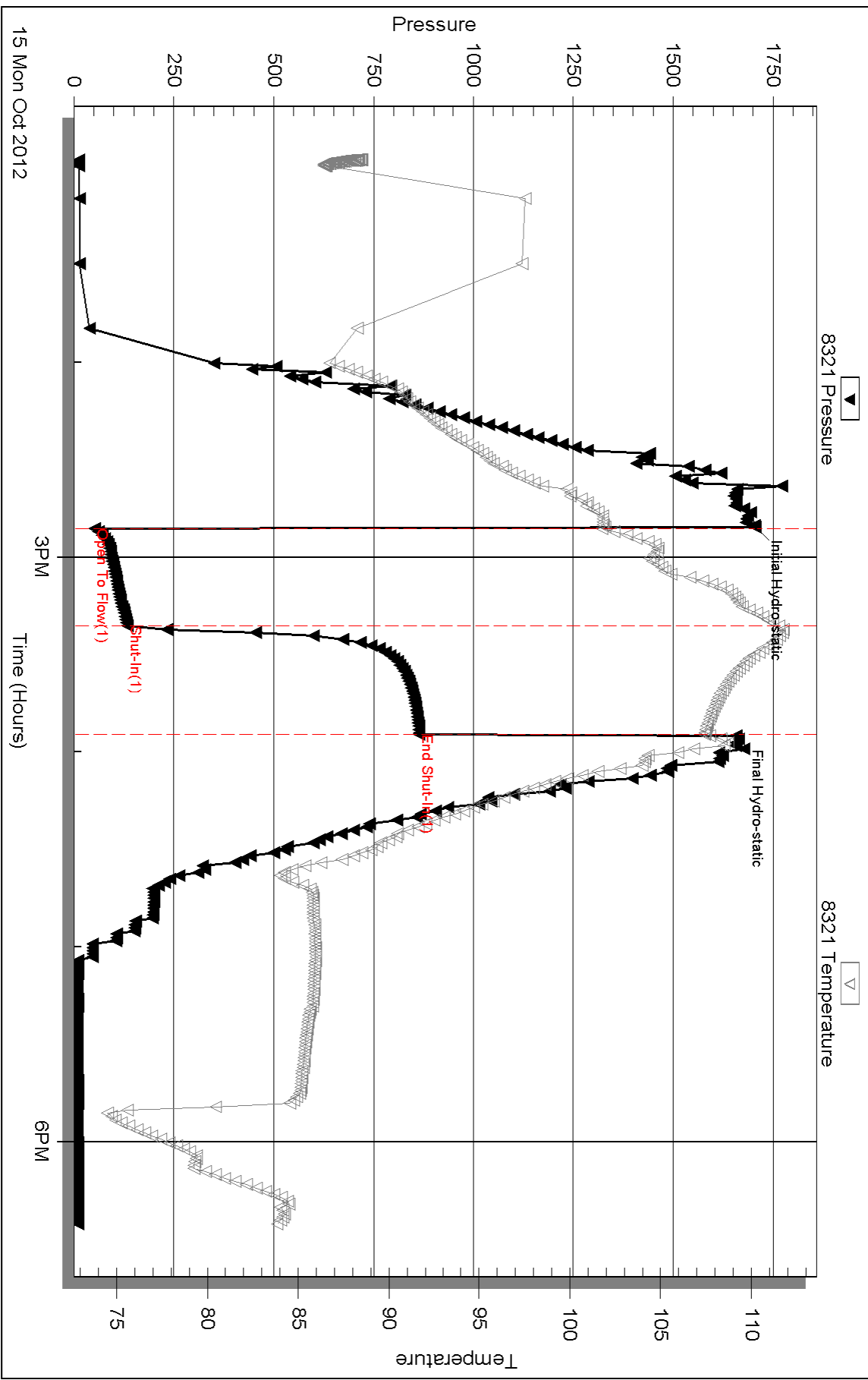
Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 2

Pressure vs. Time



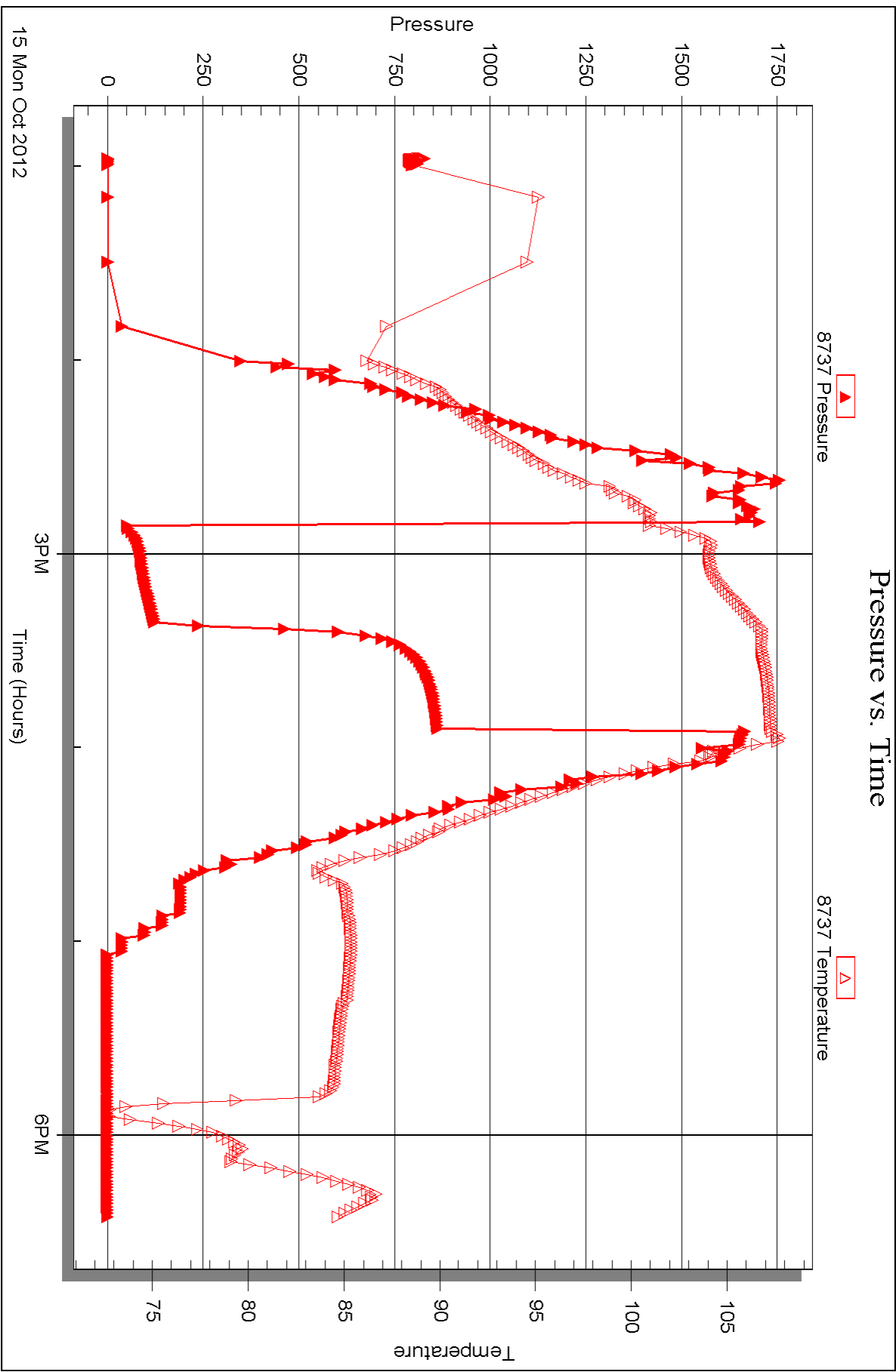
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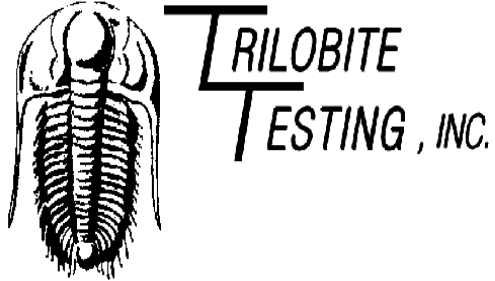
Outside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 2





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.16 @ 01:07:00

End Date: 2012.10.16 @ 08:08:00

Job Ticket #: 51039 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:59:44



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51039

DST#: 3

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 01:07:00

GENERAL INFORMATION:

Formation: **LKC " A "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 02:59:00

Time Test Ended: 08:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3485.00 ft (KB) To 3504.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3418.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8737

Outside

Press @ Run Depth: 51.95 psig @ 3486.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.16

End Date: 2012.10.16

Last Calib.: 2012.10.16

Start Time: 01:07:01

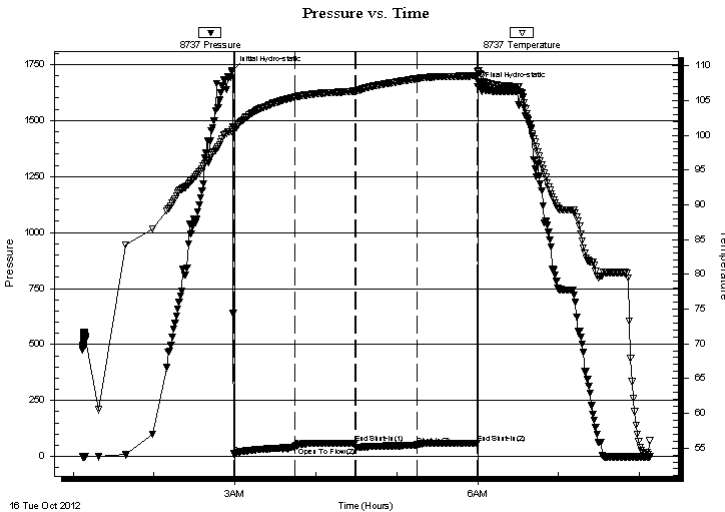
End Time: 08:07:30

Time On Btm: 2012.10.16 @ 02:58:00

Time Off Btm: 2012.10.16 @ 06:00:00

TEST COMMENT: 45-IFP- Surface Blow Building to BOB in 31min
45-ISIP- Weak Surface Blow in 5 min Died in 11min
45-FFP- Surface Blow Building to 6"
45-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.34	100.81	Initial Hydro-static
1	12.05	101.27	Open To Flow (1)
47	43.46	105.49	Shut-In(1)
91	60.16	106.38	End Shut-In(1)
92	40.62	106.37	Open To Flow (2)
137	51.95	108.15	Shut-In(2)
182	60.43	108.57	End Shut-In(2)
182	1650.14	109.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCO 35% m 65% o	0.30
30.00	OCM 40% o 60% m	0.15
0.00	90 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51039

DST#: 3

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 01:07:00

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 47.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3485.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	39.00 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			3466.00	
Shut In Tool	5.00			3471.00	
Hydraulic tool	5.00			3476.00	
Packer	4.00			3480.00	20.00 Bottom Of Top Packer
Packer	5.00			3485.00	
Stubb	1.00			3486.00	
Recorder	0.00	8321	Inside	3486.00	
Recorder	0.00	8737	Outside	3486.00	
Perforations	15.00			3501.00	
Bullnose	3.00			3504.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51039

DST#: 3

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 01:07:00

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	MCO 35% _m 65% _o	0.305
30.00	OCM 40% _o 60% _m	0.148
0.00	90 GIP	0.000

Total Length: 92.00 ft Total Volume: 0.453 bbl

Num Fluid Samples: 0

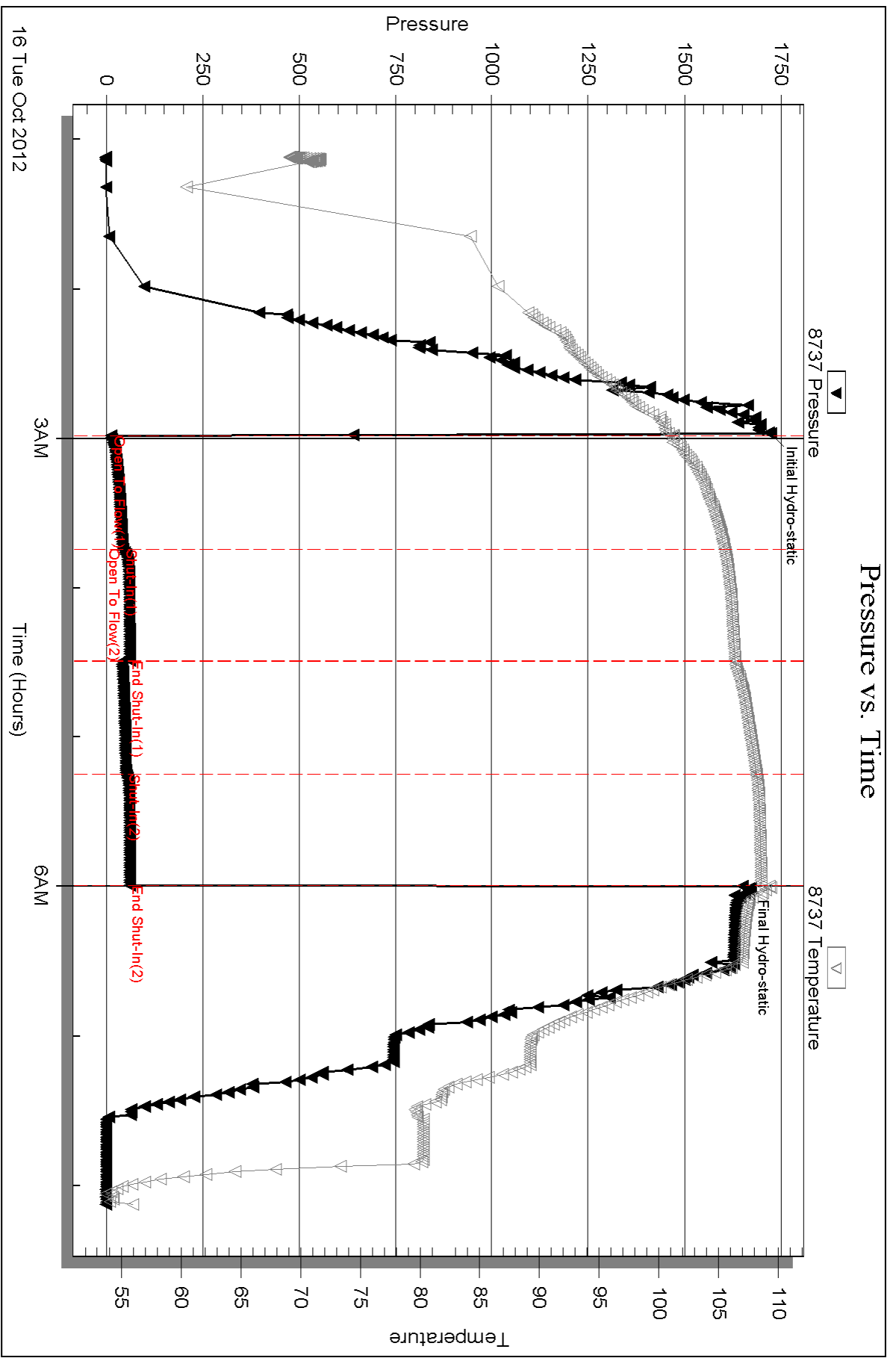
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



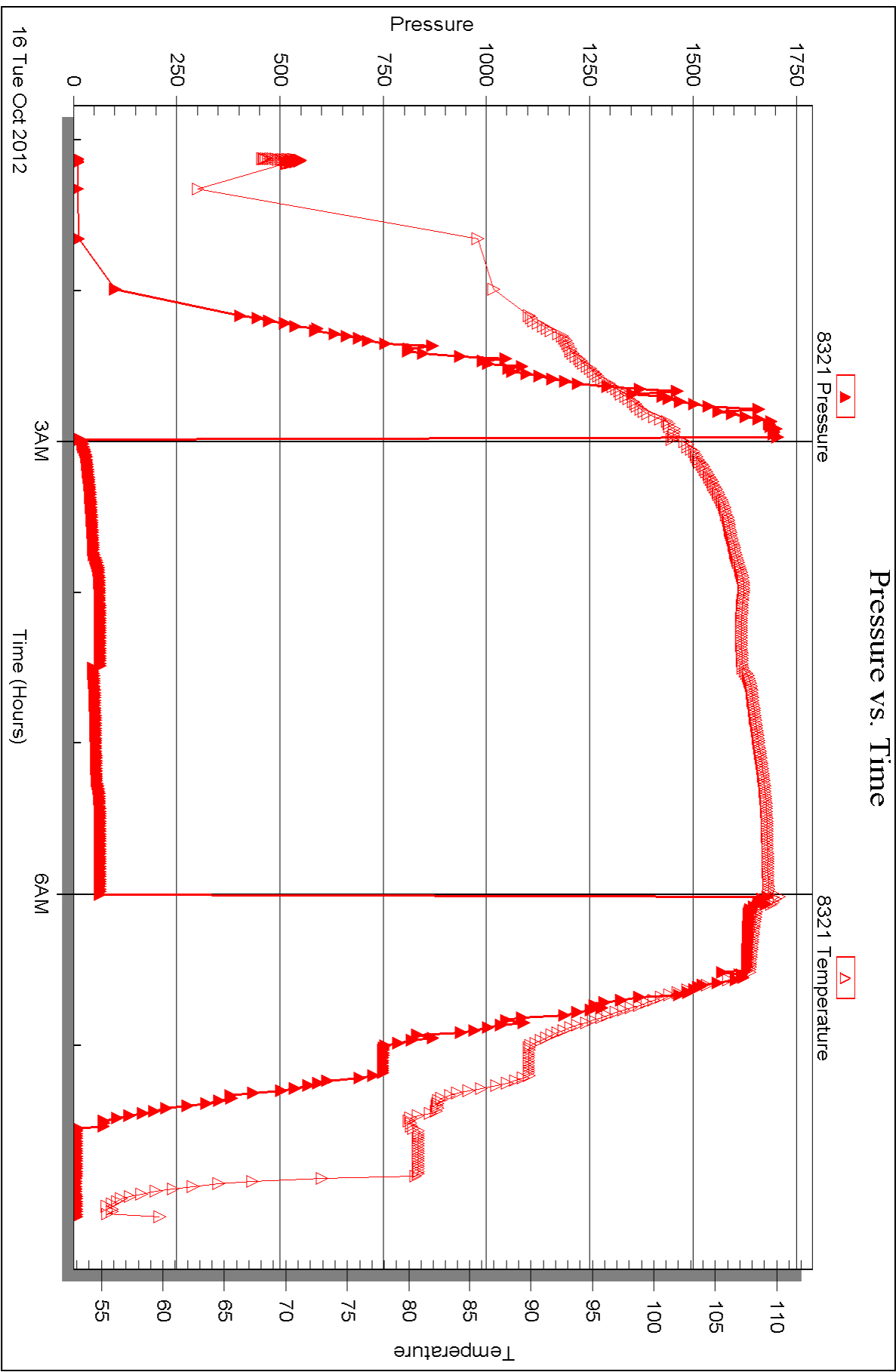
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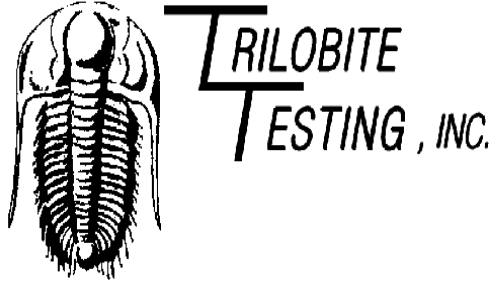
Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 3





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.16 @ 13:45:00

End Date: 2012.10.16 @ 21:11:00

Job Ticket #: 51040 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:58:40

Baird Oil Company, LLC
2-7s-22w Graham,KS
Quinn #3-2
DST # 4
LKC " C "
2012.10.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51040

DST#: 4

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 13:45:00

GENERAL INFORMATION:

Formation: **LKC " C "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 15:30:00

Time Test Ended: 21:11:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3512.00 ft (KB) To 3532.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3532.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @ Run Depth: 513.09 psig @ 3513.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.16

End Date:

2012.10.16

Last Calib.:

2012.10.16

Start Time: 13:45:01

End Time:

21:10:30

Time On Btm:

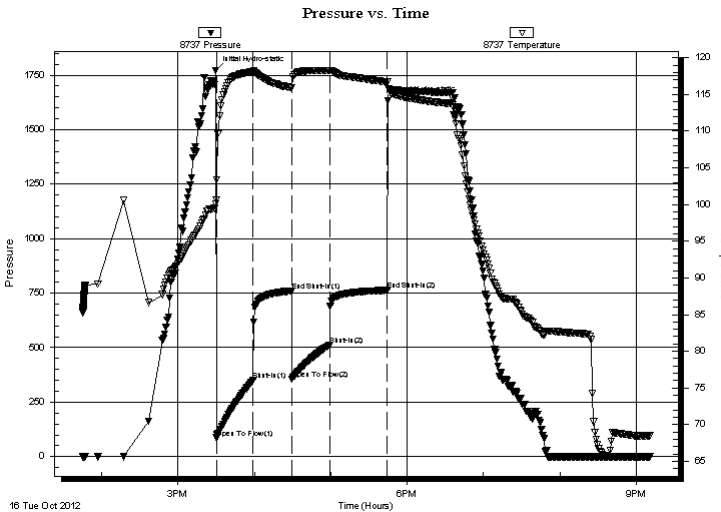
2012.10.16 @ 15:29:30

Time Off Btm:

2012.10.16 @ 17:45:00

TEST COMMENT: 30-IFP- BOB in 2 min 20 sec
30-ISIP- Surface Blow Building to 1"
30-FFP- BOB in 3 min 20 sec
45-FSIP- Surface Blow Building to 8"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.05	100.07	Initial Hydro-static
1	86.03	100.63	Open To Flow (1)
30	349.87	118.09	Shut-In(1)
60	760.05	115.92	End Shut-In(1)
60	356.36	115.97	Open To Flow (2)
90	513.09	118.23	Shut-In(2)
135	763.33	116.71	End Shut-In(2)
136	1633.55	116.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MCW 5% <i>m</i> 95% <i>w</i>	3.22
498.00	VSO&MCW 2% <i>o</i> 5% <i>m</i> 93% <i>w</i>	6.99
315.00	Gassy OMCW 10% <i>g</i> 7% <i>o</i> 20% <i>m</i> 63% <i>w</i>	4.42
70.00	Gassy MCO 25% <i>g</i> 5% <i>m</i> 70% <i>o</i>	0.98
0.00	297 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51040

DST#: 4

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 13:45:00

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3512.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3493.00	
Shut In Tool	5.00			3498.00	
Hydraulic tool	5.00			3503.00	
Packer	4.00			3507.00	20.00 Bottom Of Top Packer
Packer	5.00			3512.00	
Stubb	1.00			3513.00	
Recorder	0.00	8321	Inside	3513.00	
Recorder	0.00	8737	Outside	3513.00	
Perforations	16.00			3529.00	
Bullnose	3.00			3532.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51040

DST#: 4

ATTN: Jim R Baird

Test Start: 2012.10.16 @ 13:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

40000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.55 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
310.00	MCW 5%m 95%w	3.219
498.00	VSO&MCW 2%o 5%m 93%w	6.986
315.00	Gassy OMCW 10%g 7%o 20%m 63%w	4.419
70.00	Gassy MCO 25%g 5%m 70%o	0.982
0.00	297 GIP	0.000

Total Length: 1193.00 ft Total Volume: 15.606 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

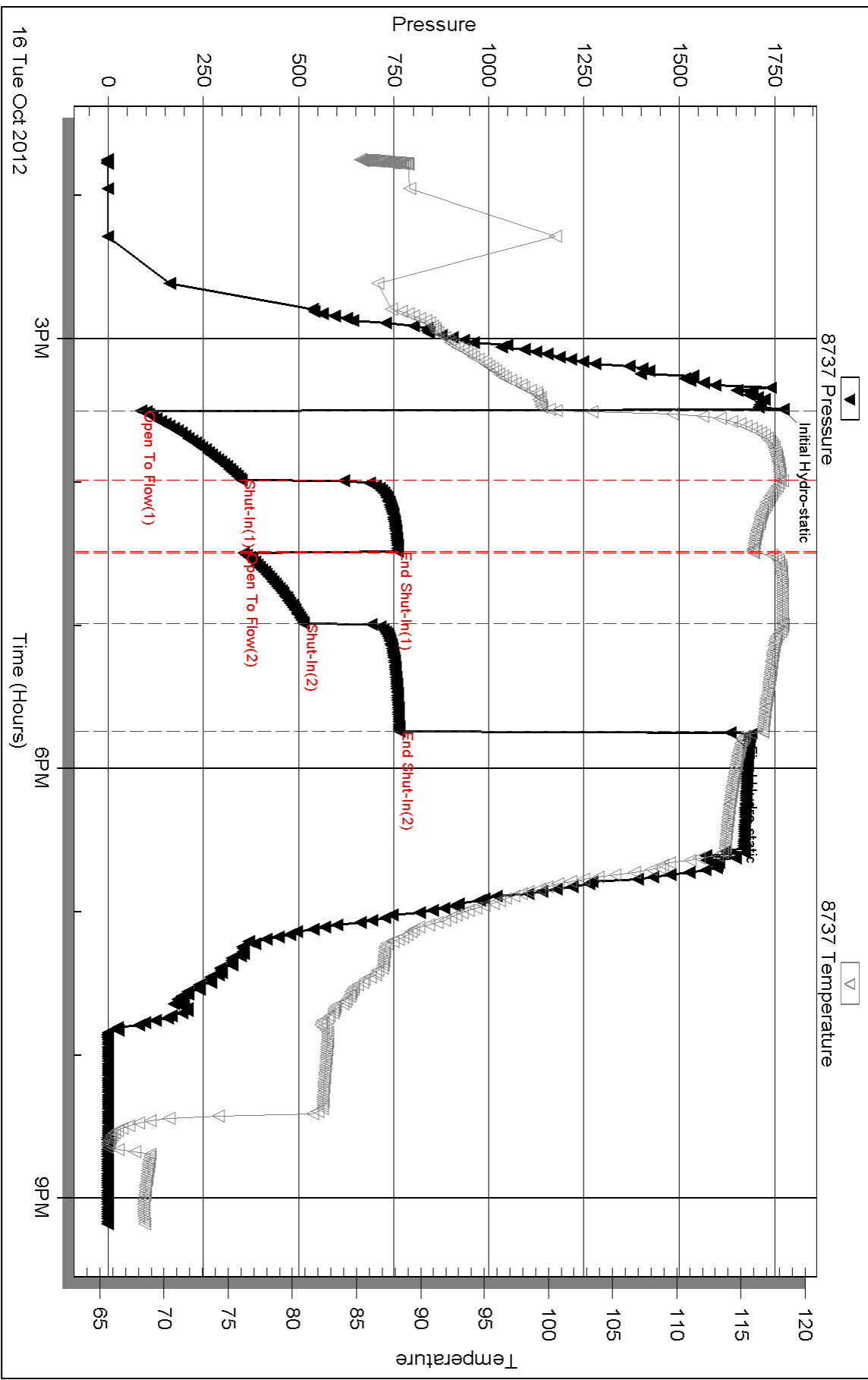
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .192 @ 67

Pressure vs. Time



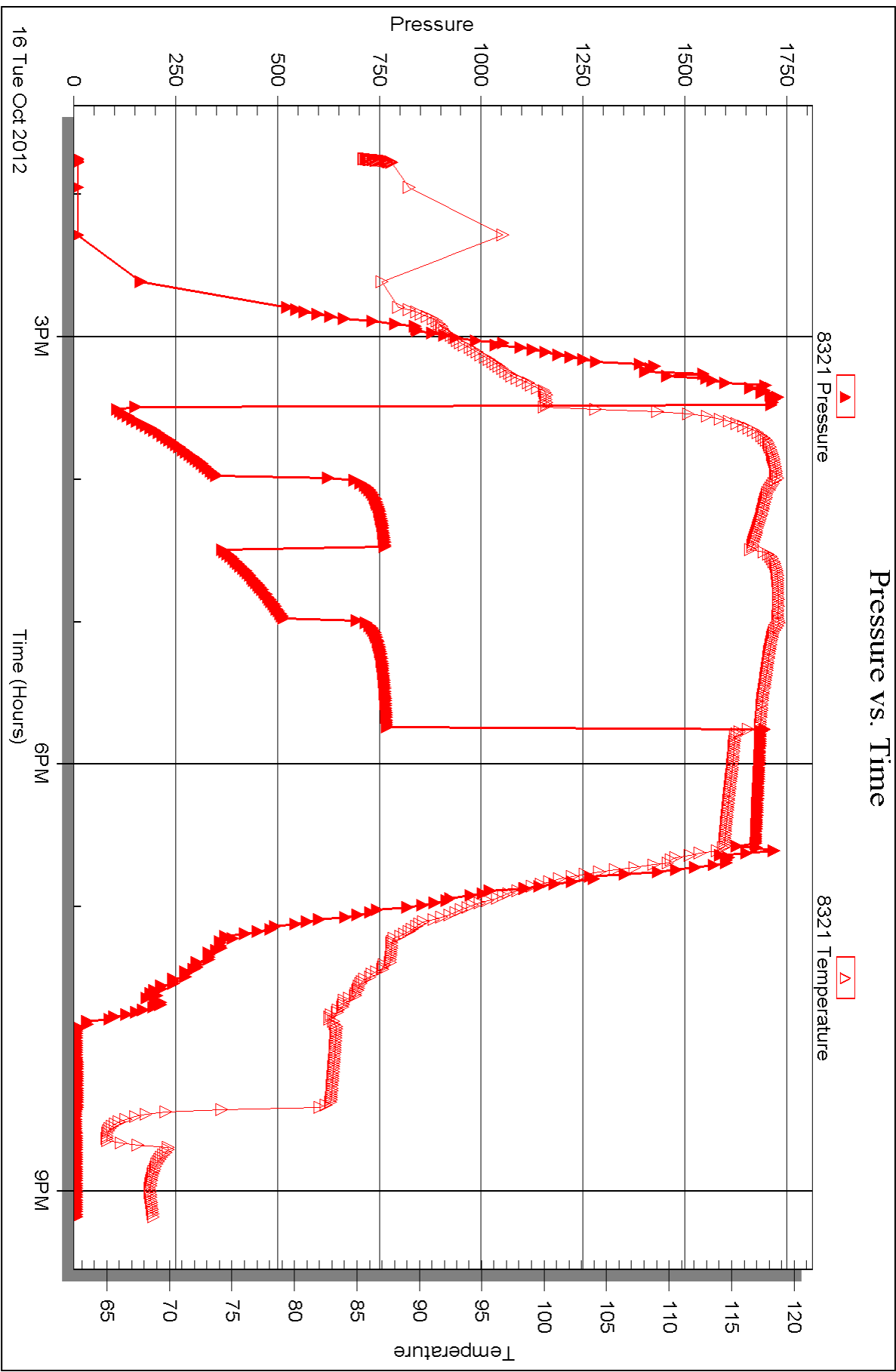
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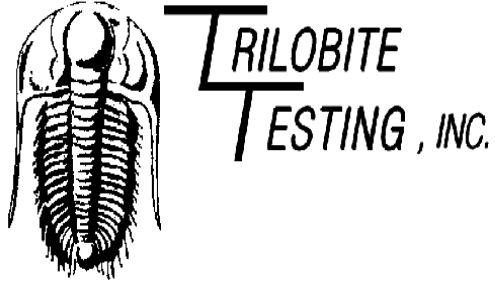
Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 4





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.17 @ 02:02:00

End Date: 2012.10.17 @ 07:47:00

Job Ticket #: 51041 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:57:52

Baird Oil Company, LLC
2-7s-22w Graham,KS
Quinn #3-2
DST # 5
LKC " D "
2012.10.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC
 PO Box 428
 Logan KS 67646
 ATTN: Jim R Baird

2-7s-22w Graham,KS
Quinn #3-2
 Job Ticket: 51041 **DST#: 5**
 Test Start: 2012.10.17 @ 02:02:00

GENERAL INFORMATION:

Formation: **LKC " D "**
 Deviated: No Whipstock: 2256.00 ft (KB)
 Time Tool Opened: 04:05:00
 Time Test Ended: 07:47:00
 Interval: **3532.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Total Depth: 3548.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 44
 Reference Elevations: 2256.00 ft (KB)
 2251.00 ft (CF)
 KB to GR/CF: 5.00 ft

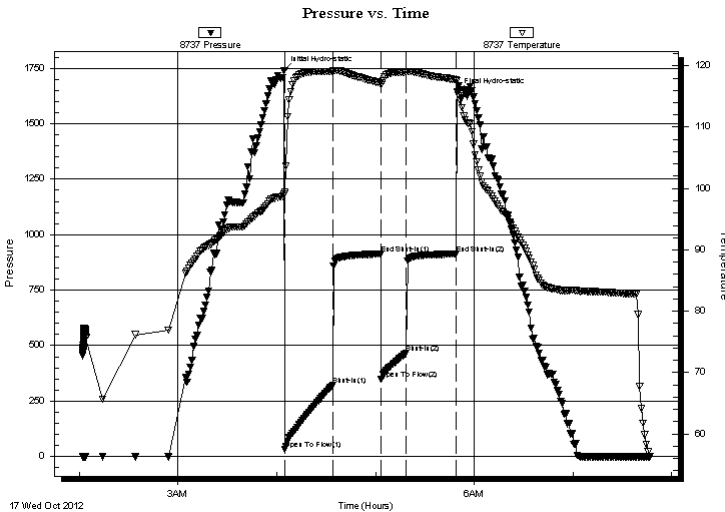
Serial #: 8737

Outside

Press @ RunDepth: 465.56 psig @ 3533.00 ft (KB)
 Start Date: 2012.10.17 End Date: 2012.10.17
 Start Time: 02:02:01 End Time: 07:47:00
 Capacity: 8000.00 psig
 Last Calib.: 2012.10.17
 Time On Btm: 2012.10.17 @ 04:04:30
 Time Off Btm: 2012.10.17 @ 05:49:30

TEST COMMENT: 30-IFP- BOB in 5 min
 30-ISIP- No Blow Back
 15-FFP- BOB in 4 min 40 sec
 30-FSIP- No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1739.93	99.08	Initial Hydro-static
1	31.80	99.39	Open To Flow (1)
30	322.43	119.09	Shut-In(1)
59	912.72	117.22	End Shut-In(1)
59	347.57	116.91	Open To Flow (2)
74	465.56	118.96	Shut-In(2)
105	912.54	117.75	End Shut-In(2)
105	1641.70	117.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
695.00	Water	8.62
126.00	MCW 15%m 85%w	1.77
74.00	MCW 40%m 60%w	1.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51041

DST#: 5

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 02:02:00

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 48.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3532.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3513.00	
Shut In Tool	5.00			3518.00	
Hydraulic tool	5.00			3523.00	
Packer	4.00			3527.00	20.00 Bottom Of Top Packer
Packer	5.00			3532.00	
Stubb	1.00			3533.00	
Recorder	0.00	8321	Inside	3533.00	
Recorder	0.00	8737	Outside	3533.00	
Perforations	12.00			3545.00	
Bullnose	3.00			3548.00	16.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51041

DST#: 5

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 02:02:00

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:

76000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
695.00	Water	8.619
126.00	MCW 15%m 85%w	1.767
74.00	MCW 40%m 60%w	1.038

Total Length: 895.00 ft Total Volume: 11.424 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

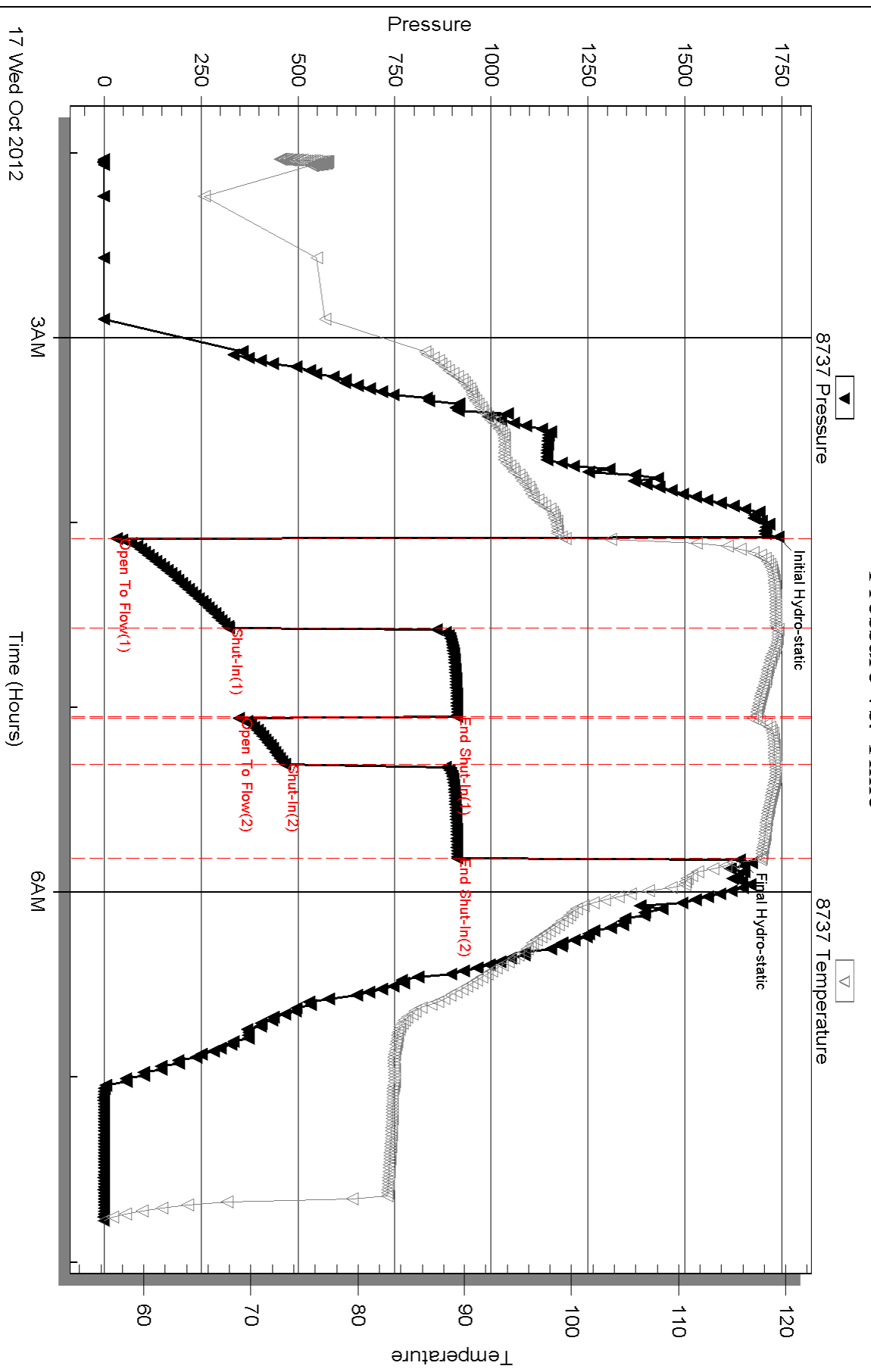
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .124 @ 56

Pressure vs. Time



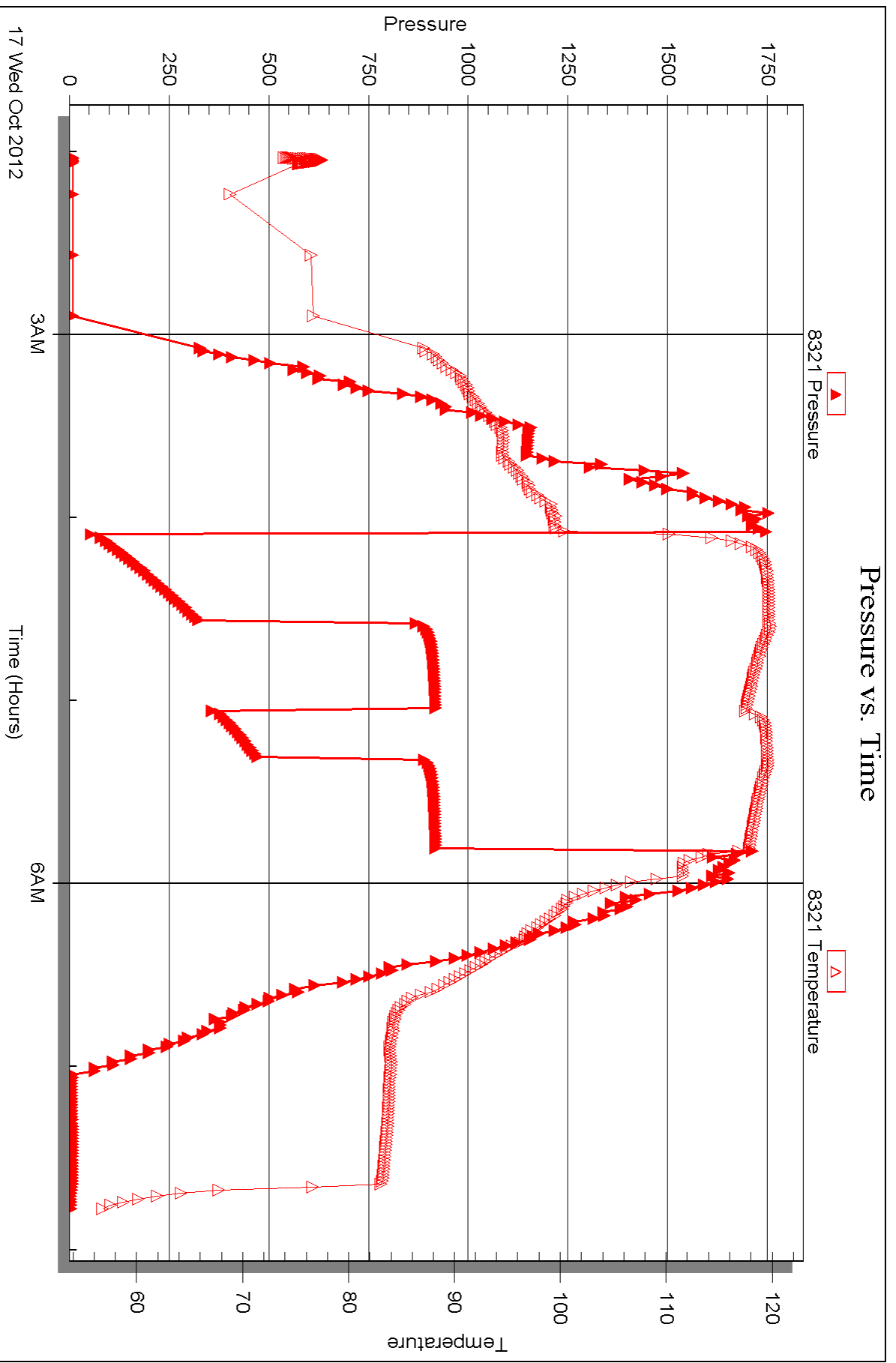
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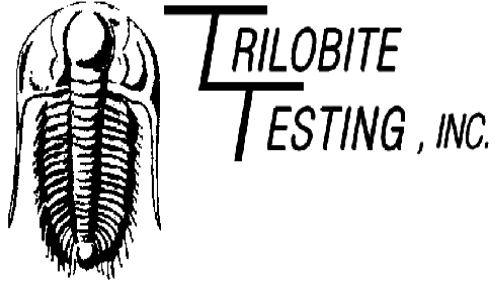
Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 5





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.17 @ 13:50:00

End Date: 2012.10.17 @ 19:21:00

Job Ticket #: 51042 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:56:56



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51042

DST#: 6

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 13:50:00

GENERAL INFORMATION:

Formation: **LKC " E & F "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 15:31:55

Time Test Ended: 19:21:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3548.00 ft (KB) To 3575.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3575.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @ Run Depth: 85.22 psig @ 3549.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.17

End Date:

2012.10.17

Last Calib.:

2012.10.17

Start Time: 13:50:01

End Time:

19:19:55

Time On Btm:

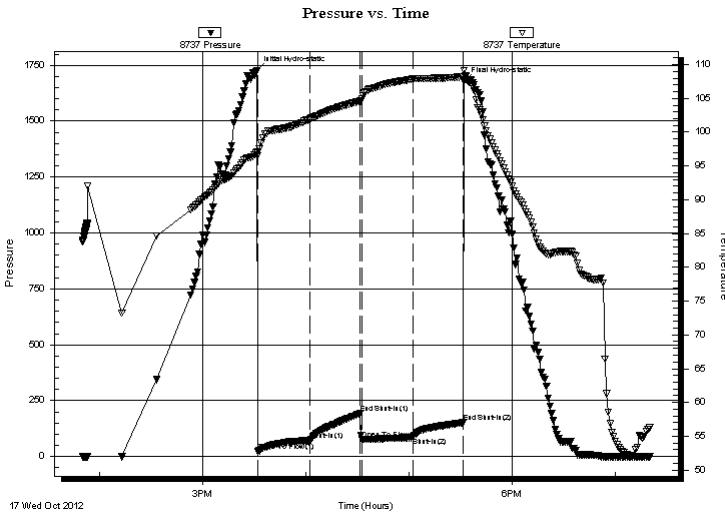
2012.10.17 @ 15:31:25

Time Off Btm:

2012.10.17 @ 17:31:55

TEST COMMENT: 30-IFP- Surface Blow Building to 8 1/4"
30-ISIP- No Blow Back
30-FFP- Surface Blow Building to 3"
30-FSIP- Weak Surface Blow in 3 min Died in 7 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1726.96	97.07	Initial Hydro-static
1	21.53	96.49	Open To Flow (1)
31	70.77	101.93	Shut-In(1)
60	192.09	104.59	End Shut-In(1)
61	75.93	104.87	Open To Flow (2)
91	85.22	107.86	Shut-In(2)
120	151.83	108.20	End Shut-In(2)
121	1676.42	109.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	O&WCM 2%o 5%w 93%m	0.61
25.00	OCM 35%o 65%m	0.35
10.00	CO 100%	0.14
0.00	30 GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51042

DST#: 6

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 13:50:00

Tool Information

Drill Pipe:	Length: 3423.00 ft	Diameter: 3.80 inches	Volume: 48.02 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 48.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3548.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 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			3529.00	
Shut In Tool	5.00			3534.00	
Hydraulic tool	5.00			3539.00	
Packer	4.00			3543.00	20.00 Bottom Of Top Packer
Packer	5.00			3548.00	
Stubb	1.00			3549.00	
Recorder	0.00	8321	Inside	3549.00	
Recorder	0.00	8737	Outside	3549.00	
Perforations	23.00			3572.00	
Bullnose	3.00			3575.00	27.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51042

DST#: 6

ATTN: Jim R Baird

Test Start: 2012.10.17 @ 13:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	O&WCM 2%o 5%w 93%m	0.610
25.00	OCM 35%o 65%m	0.351
10.00	CO 100%	0.140
0.00	30 GIP	0.000

Total Length: 159.00 ft

Total Volume: 1.101 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

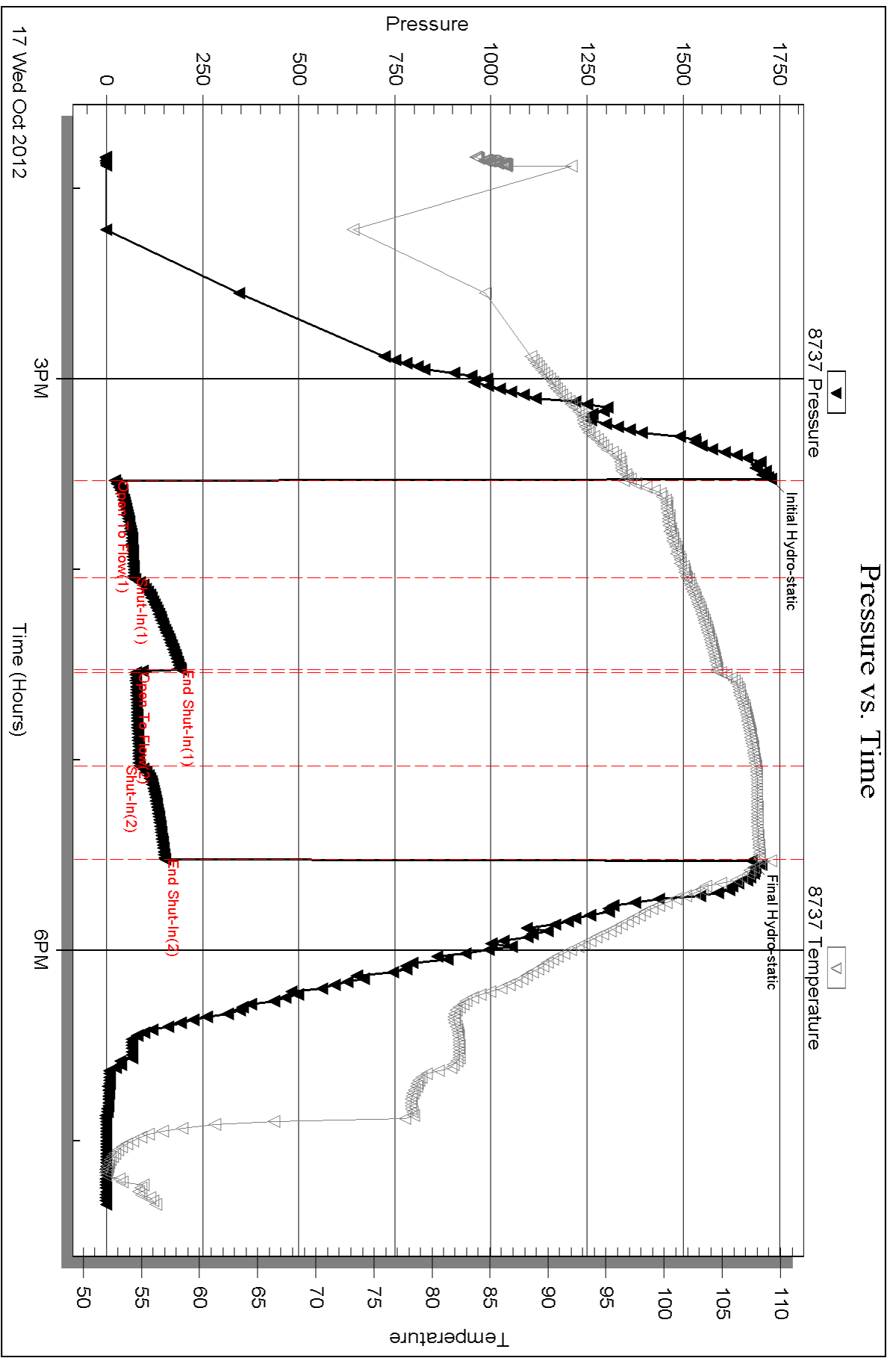
Recovery Comments:

Serial #: 8737

Outside Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 51042

Printed: 2012.10.19 @ 15:57:01

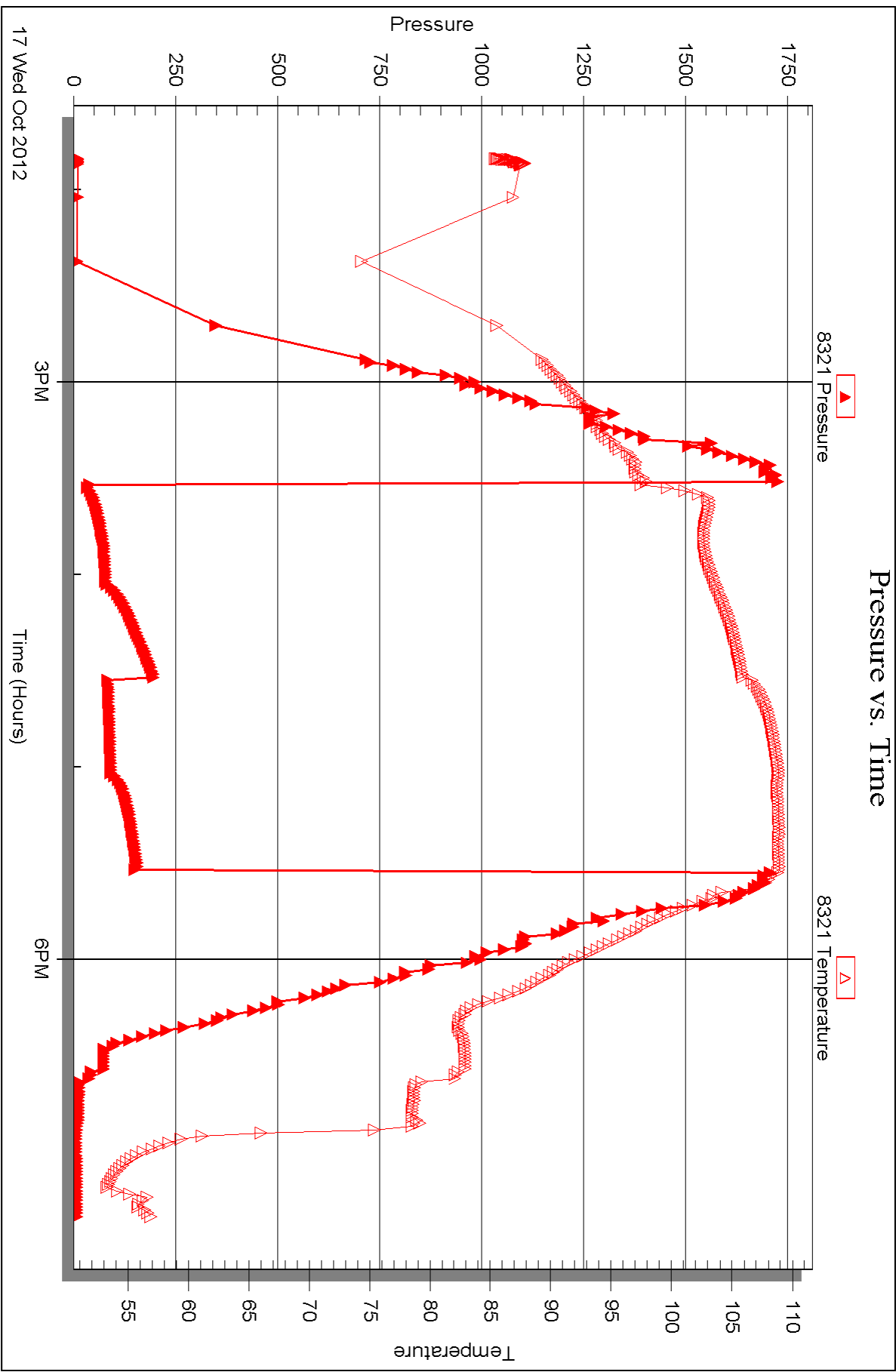
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Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 6





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Jim R Baird

Quinn #3-2

2-7s-22w Graham,KS

Start Date: 2012.10.18 @ 04:50:00

End Date: 2012.10.18 @ 11:25:00

Job Ticket #: 51043 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.19 @ 15:55:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51043

DST#: 7

ATTN: Jim R Baird

Test Start: 2012.10.18 @ 04:50:00

GENERAL INFORMATION:

Formation: **LKC " I & J "**

Deviated: No Whipstock: 2256.00 ft (KB)

Time Tool Opened: 06:38:00

Time Test Ended: 11:25:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 44

Interval: 3628.00 ft (KB) To 3656.00 ft (KB) (TVD)

Reference Elevations: 2256.00 ft (KB)

Total Depth: 3656.00 ft (KB) (TVD)

2251.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press @ Run Depth: 245.84 psig @ 3629.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.18

End Date:

2012.10.18

Last Calib.: 2012.10.18

Start Time: 04:50:01

End Time:

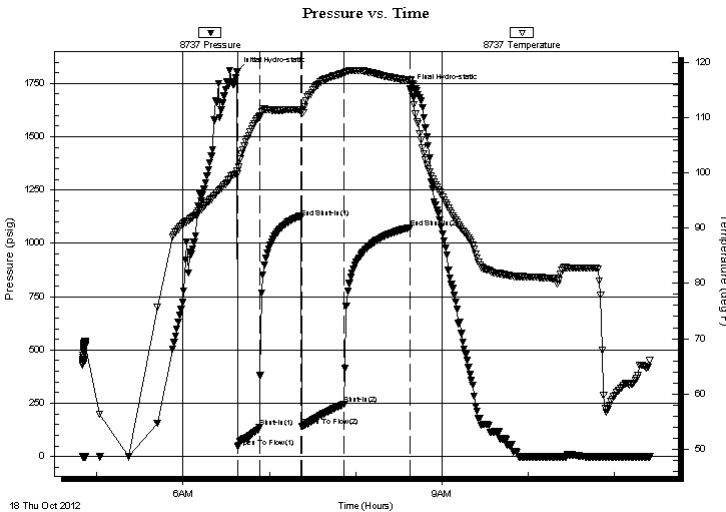
11:24:30

Time On Btm: 2012.10.18 @ 06:37:30

Time Off Btm: 2012.10.18 @ 08:38:00

TEST COMMENT: 15-IFP- BOB in 2 min 30 sec
30-ISIP- BOB in 19 min 30 sec
30-FFP- BOB in 3 min 20 sec
45-FSIP- BOB in 12 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1803.40	100.33	Initial Hydro-static
1	45.28	99.82	Open To Flow (1)
16	137.65	110.04	Shut-In(1)
45	1118.91	111.33	End Shut-In(1)
45	143.23	111.02	Open To Flow (2)
75	245.84	117.99	Shut-In(2)
120	1074.08	116.66	End Shut-In(2)
121	1724.29	116.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
386.00	GMCO 15% m 20% g 65o	4.28
242.00	GO 40% g 60% o	3.39
20.00	GO 18% g 82% o	0.28
0.00	1050 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51043

DST#: 7

ATTN: Jim R Baird

Test Start: 2012.10.18 @ 04:50:00

Tool Information

Drill Pipe:	Length: 3464.00 ft	Diameter: 3.80 inches	Volume: 48.59 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 52000.00 lb
		Total Volume: 49.20 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3628.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	24.00			3609.00	
Shut In Tool	5.00			3614.00	
Hydraulic tool	5.00			3619.00	
Packer	4.00			3623.00	43.00 Bottom Of Top Packer
Packer	5.00			3628.00	
Stubb	1.00			3629.00	
Recorder	0.00	8321	Inside	3629.00	
Recorder	0.00	8737	Outside	3629.00	
Perforations	24.00			3653.00	
Bullnose	3.00			3656.00	28.00 Bottom Packers & Anchor
Total Tool Length:	71.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan KS 67646

Quinn #3-2

Job Ticket: 51043

DST#: 7

ATTN: Jim R Baird

Test Start: 2012.10.18 @ 04:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
386.00	GMCO 15% _m 20% _g 65% _o	4.285
242.00	GO 40% _g 60% _o	3.395
20.00	GO 18% _g 82% _o	0.281
0.00	1050 GIP	0.000

Total Length: 648.00 ft

Total Volume: 7.961 bbl

Num Fluid Samples: 0

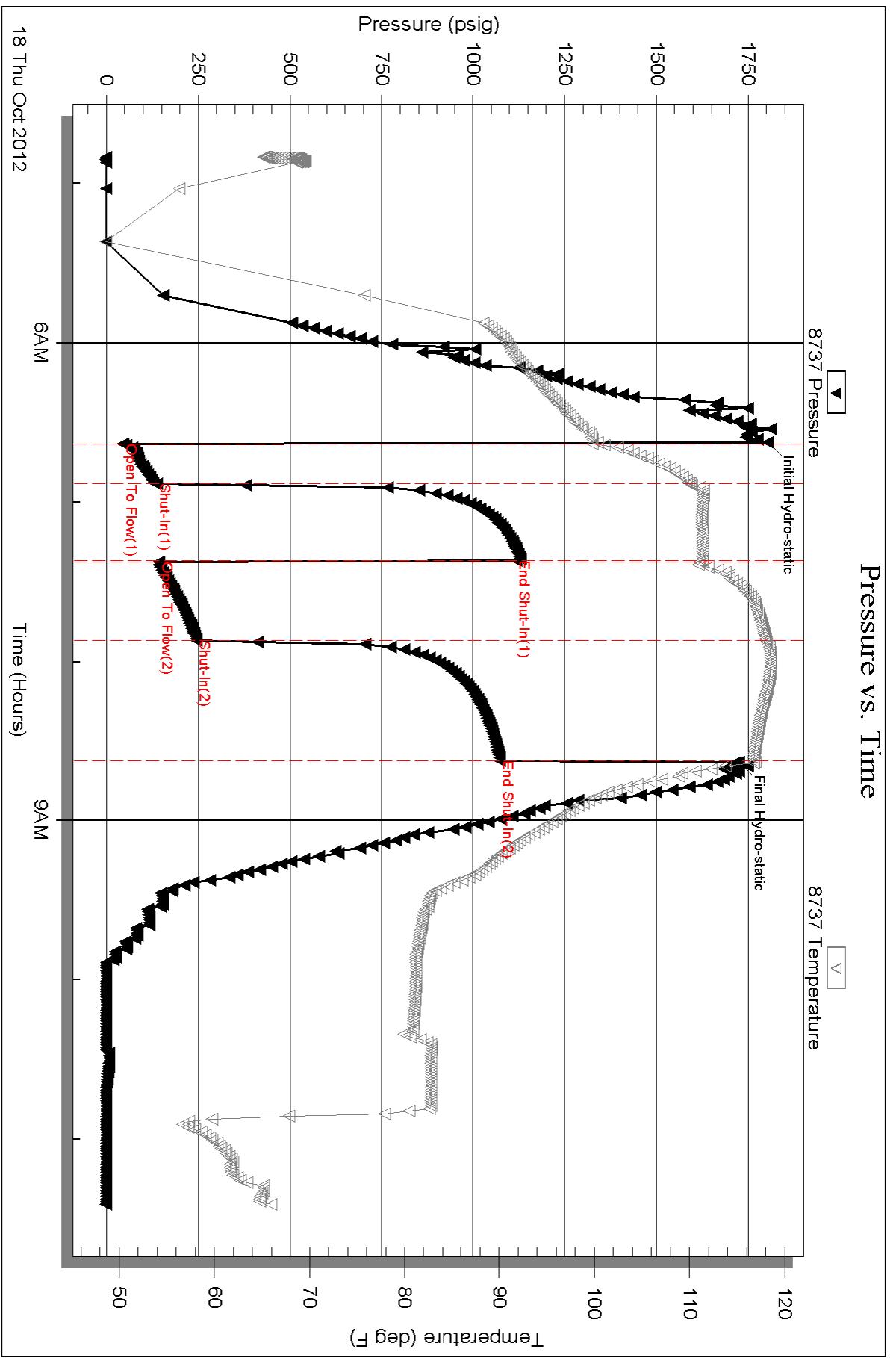
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



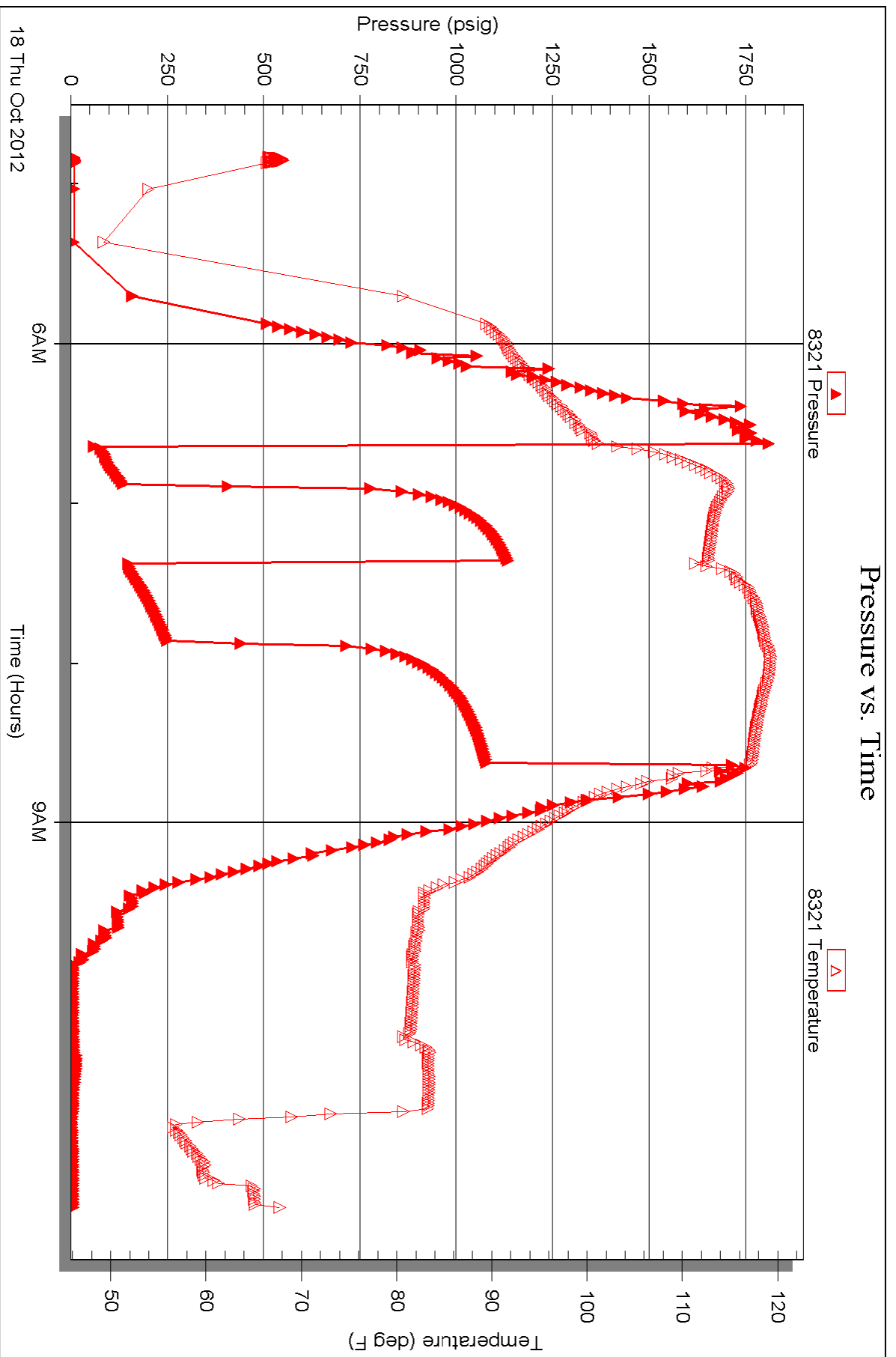
Serial #: 8321

Inside

Baird Oil Company, LLC

Quinn #3-2

DST Test Number: 7





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51037

4/10

Well Name & No. Quinn 3-2 Test No. 1 Date 10-14-12
 Company Baird oil company LLC Elevation 2256 KB 2251 GL
 Address PO Box 428 Logan KS 67646
 Co. Rep / Geo. Rich Bell Rig NW #8
 Location: Sec. 2 Twp. 7 S Rge. 22W Co. Graham State KS

Interval Tested 3395-3418 Zone Tested Oread
 Anchor Length 23 Drill Pipe Run 3246 Mud Wt. 8.9
 Top Packer Depth 3390 Drill Collars Run 124 Vis 67
 Bottom Packer Depth 3395 Wt. Pipe Run 0 WL 6.8
 Total Depth 3418 Chlorides 1400 ppm System LCM 2

Blow Description IF- Good Blow BOB IN 7 3/4 min
ISI- Weak surface Blow BACK Built to 1/8 IN
FF- Good Blow BOB IN 8 min
FSI- Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>628</u>	<u>MW</u>			<u>95</u>	<u>5</u>
<u>63</u>	<u>MW with oil spots</u>			<u>70</u>	<u>30</u>

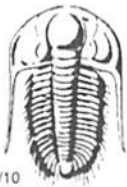
Rec Total 691 BHT 114 Gravity _____ API RW 213 @ 46.8 °F Chlorides 55,000 ppm

(A) Initial Hydrostatic 1660 Test 1150 T-On Location 21:33
 (B) First Initial Flow 26 Jars _____ T-Started 22:20
 (C) First Final Flow 203 Safety Joint _____ T-Open 00:12
 (D) Initial Shut-In 1059 Circ Sub _____ T-Pulled 2:42
 (E) Second Initial Flow 211 Hourly Standby _____ T-Out 4:54
 (F) Second Final Flow 339 Mileage 150 127 RT 196.85 Comments _____
 (G) Final Shut-In 1059 Sampler _____
 (H) Final Hydrostatic 1614 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1346.85
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45
 Sub Total 1346.85

Approved By _____ Our Representative Jeff Brown

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51038

4/10

Well Name & No. Quinn 3-2 Test No. 2 Date 10-15-12
 Company Baird oil company LLC Elevation 22540 KB 2251 GL
 Address Po Box 428 Logan KS 67646
 Co. Rep / Geo. Rich Bell Rig WW #8
 Location: Sec. 2 Twp. 7S Rge. 22W Co. Graham State KS

Interval Tested 3445 - 3483 Zone Tested Toronto
 Anchor Length 38 Drill Pipe Run 3330 Mud Wt. 8.9
 Top Packer Depth 3440 Drill Collars Run 124 Vis 61
 Bottom Packer Depth 3445 Wt. Pipe Run 0 WL 64
 Total Depth 3483 Chlorides 2000 ppm System LCM 2

Blow Description PP- Good Blow Bob IN 7 1/2 min
IS- Dead No Blow
~~PP-~~
~~PSI-~~

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>MO</u>		<u>70</u>		<u>30</u>
<u>128</u>	<u>GO</u>	<u>15</u>	<u>85</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

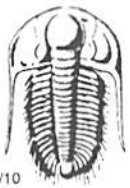
Rec Total 378 BHT 107 Gravity 23 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1706 Test 1150 T-On Location 12:36
 (B) First Initial Flow 52 Jars T-Started 12:57
 (C) First Final Flow 134 Safety Joint T-Open 14:51
 (D) Initial Shut-In 862 Circ Sub T-Pulled 15:51
 (E) Second Initial Flow _____ Hourly Standby T-Out 18:24
 (F) Second Final Flow _____ Mileage 196.85 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 11658 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow _____ Extra Recorder _____ Sub Total 0
 Final Shut-In _____ Day Standby _____ Total 1346.85
 _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 1346.85

Approved By _____ Our Representative Jeff Brown

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51039

4/10

Well Name & No. Quinn #3-2 Test No. 3 Date 10-16-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan KS. 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3485-3504 Zone Tested LKC "A"
 Anchor Length 19 Drill Pipe Run 3362 Mud Wt. 8.9
 Top Packer Depth 3480 Drill Collars Run 124 Vis 61
 Bottom Packer Depth 3485 Wt. Pipe Run 0 WL 6.4
 Total Depth 3504 Chlorides 2000 ppm System LCM 2

Blow Description IFP - Surface Blow Building to BOB in 31min
ISIP - Weak Surface Blow in 5min. Bied in 11min.
FFP - Surface Blow Building to 6in.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>mco</u>	<u>65</u>		<u>35</u>	
<u>30</u>	<u>OCM</u>	<u>40</u>		<u>60</u>	
<u>90</u>	<u>IFP</u>				

Rec Total 92 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1723</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>00:55</u>
(B) First Initial Flow <u>12</u>	<input type="checkbox"/> Jars _____	T-Started <u>01:07</u>
(C) First Final Flow <u>43</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>03:00</u>
(D) Initial Shut-In <u>60</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>06:00</u>
(E) Second Initial Flow <u>40</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>08:08</u>
(F) Second Final Flow <u>51</u>	<input checked="" type="checkbox"/> Mileage <u>196.85</u>	Comments _____
(G) Final Shut-In <u>60</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1650</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

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

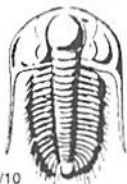
Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1346.85

Total 1346.85
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **51040**

4/10

Well Name & No. Quinn # 3-2 Test No. 4 Date 10-16-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan Ks. 67646
 Co. Rep / Geo. Rich Bell Rig CW-8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State K.S.

Interval Tested 3512 - 3532 Zone Tested LKC "C"
 Anchor Length 20 Drill Pipe Run 3391 Mud Wt. 9.3
 Top Packer Depth 3507 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3512 Wt. Pipe Run 0 WL 7.6
 Total Depth 3532 Chlorides 2200 ppm System LCM 1.5

Blow Description FFP - BOB 2min 20sec.
ISIP - Surface Blow Building To Lin.
FFP - BOB 3min 20sec.
FSIP - Surface Blow Building To Sin.

Rec	Feet of	%gas	%oil	%water	%mud
310	MCW		95	5	
498	150 + mcw	2	93	5	
315	Dassy MCW	10	63	20	
70	Dassy mco	25	70	5	
297	WIP				

Rec Total 1193 BHT 116 Gravity 28 API RW .192 @ 67 °F Chlorides 40000 ppm

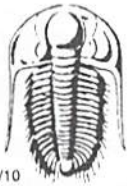
- (A) Initial Hydrostatic 1772 Test 1150 T-On Location 13:20
- (B) First Initial Flow 86 Jars _____ T-Started 13:45
- (C) First Final Flow 349 Safety Joint _____ T-Open 15:30
- (D) Initial Shut-In 760 Circ Sub _____ T-Pulled 17:45
- (E) Second Initial Flow 356 Hourly Standby _____ T-Out 21:11

- (F) Second Final Flow 513 Mileage _____
- (G) Final Shut-In 763 Sampler _____
- (H) Final Hydrostatic 1633 Straddle _____

- Initial Open 30 Shale Packer _____
- Initial Shut-In 30 Extra Packer _____
- Final Flow 30 Extra Recorder _____
- Final Shut-In 45 Day Standby _____
- Accessibility _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

51041

NO.

4/10

Well Name & No. Quinn # 3-2 Test No. 5 Date 10-17-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan KS, 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7 S Rge. 22 W Co. Graham State KS

Interval Tested 3532-3548 Zone Tested LKC "D"
 Anchor Length 16 Drill Pipe Run 3391 Mud Wt. 9.3
 Top Packer Depth 3527 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3532 Wt. Pipe Run 0 WL 7.6
 Total Depth 3548 Chlorides 2200 ppm System LCM 1.5
 Blow Description IFP - BOB in 5min
FSIP - No Blow Back.
FFP - BOB 4min 40 sec.
FSIP - No Blow Back.

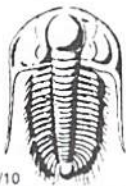
Rec	Feet of	%gas	%oil	%water	%mud
695	Water		100		
126	mcw		85	15	
74	mcw		60	40	

Rec Total 895 BHT 117 Gravity _____ API RW 124 @ 56 ° F Chlorides 76000 ppm

(A) Initial Hydrostatic <u>1739</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>0:145</u>
(B) First Initial Flow <u>31</u>	<input type="checkbox"/> Jars _____	T-Started <u>0:202</u>
(C) First Final Flow <u>322</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>04:05</u>
(D) Initial Shut-In <u>912</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>05:50</u>
(E) Second Initial Flow <u>347</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>07:47</u>
(F) Second Final Flow <u>465</u>	<input checked="" type="checkbox"/> Mileage <u>196.85</u>	Comments _____
(G) Final Shut-In <u>912</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1641</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>15 15</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1346.85</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1346.85</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **51042**

4/10

Well Name & No. Quinn #3-2 Test No. 6 Date 10-17-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan KS. 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7 S Rge. 22 W Co. Graham State Ks

Interval Tested 3548-3575 Zone Tested LKC "E&F"
 Anchor Length 27 Drill Pipe Run 3423 Mud Wt. 9.1
 Top Packer Depth 3543 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3548 Wt. Pipe Run 0 WL 7.6
 Total Depth 3575 Chlorides 2800 ppm System LCM 1.5

Blow Description IFP - Surface Blow Building to 8 1/4 in.
ISIP - No Blow Back.
FFP - Surface Blow Building to 3 in.
FSIP - Weak Surface Blow in 3 in. Dried in 7 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>0 WCM</u>	<u>2</u>	<u>5</u>	<u>93</u>	
<u>25</u>	<u>0 cm</u>	<u>35</u>		<u>65</u>	
<u>10</u>	<u>CO</u>				
<u>30</u>	<u>WIP</u>				

Rec Total 159 BHT 108 Gravity 33 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1726 Test 1150 T-On Location 13:25
 (B) First Initial Flow 21 Jars _____ T-Started 13:50
 (C) First Final Flow 70 Safety Joint _____ T-Open 15:33
 (D) Initial Shut-In 192 Circ Sub _____ T-Pulled 17:33
 (E) Second Initial Flow 75 Hourly Standby _____ T-Out 19:21
 (F) Second Final Flow 85 Mileage 196.85 Comments _____
 (G) Final Shut-In 151 Sampler _____
 (H) Final Hydrostatic 1676 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1346.85
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1346.85

Approved By _____ Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51043

4/10

Well Name & No. QUINN #3-2 Test No. 7 Date 10-18-12
 Company Baird Oil Co. LLC Elevation 2256 KB 2251 GL
 Address P.O. Box 428 Logan Ks, 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 2 Twp. 7^s Rge. 22^w Co. Graham State Ks.

Interval Tested 3628-3656 Zone Tested LRC "I+J"
 Anchor Length 28 Drill Pipe Run 3464 Mud Wt. 9.1
 Top Packer Depth 3623 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3628 Wt. Pipe Run Ø WL 7.6
 Total Depth 3656 Chlorides 2800 ppm System LCM 1.5

Blow Description FFP- BOB in 2min 30sec.
ISIP- BOB in 19min 30sec.
FFP- BOB in 3min 20sec.
FSIP- BOB in 12min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>386</u>	<u>Massy mco</u>	<u>20</u>	<u>65</u>	<u>15</u>	
<u>242</u>	<u>Massy Oil</u>	<u>40</u>	<u>60</u>		
<u>20</u>	<u>Massy Oil</u>	<u>18</u>	<u>82</u>		
<u>1050</u>	<u>WIP</u>				

Rec Total 648 BHT 116 Gravity 36 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1803 Test 1150 T-On Location 04:30
 (B) First Initial Flow 45 Jars _____ T-Started 04:50
 (C) First Final Flow 137 Safety Joint _____ T-Open 06:38
 (D) Initial Shut-In 1118 Circ Sub _____ T-Pulled 08:38
 (E) Second Initial Flow 143 Hourly Standby _____ T-Out 11:25
 (F) Second Final Flow 245 Mileage 196.85 Comments _____
 (G) Final Shut-In 1074 Sampler _____
 (H) Final Hydrostatic 1724 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 45

Sub Total 1346.85

MP/DST/Disc 1

Approved By _____ Our Representative [Signature]

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