



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1106477
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: _____



1106477

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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> <i>(Submit ACO-4)</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 4-2
Doc ID	1106477

Tops

Name	Top	Datum
Anhydrite	1890	+367
Base Anhydrite	1923	+334
Topeka	3251	-994
Heebner	3453	-1196
Toronto	3477	-1220
Lansing	3494	-1237
Base Kansas City	3684	-1427
Marmaton	3727	-1470
Total Depth	3797	-1540

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 15-065-23872-00-00
Quinn 4-2
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

Quality Well Service, Inc.

324 Simpson St.
Pratt, KS 67124

Invoice

Date	Invoice #
10/22/2012	C-676

Bill To
Baird Oil Co 113 W Main PO Box 428 Logan KS 67646

P.O. No.	Terms	Lease Name
		Quinn #4-2

Description	Qty	Rate	Amount
Common	150	15.50	2,325.00T
Gel	3	20.50	61.50T
Calcium	5	53.00	265.00T
Handling	158	2.10	331.80
.08 * sacks * miles	9,000	0.08	720.00
SFC 0-500'	1	600.00	600.00
LMV	60	2.00	120.00
Pump Truck Mileage	60	8.00	480.00
Discount	397.73	-1.00	-397.73T
Discount	337.77	-1.00	-337.77
Discount Expires after 30 days from the date of the invoice		0.00	0.00
Quinn #4-2 Graham Co. R 10/25/12 P 10/25/12 Quinn 190402 4337.96 Quinn 4-2 pump charge, cement, and other misc used to cement surface casing.			

Thank You for your business!	Subtotal	\$4,167.80
	Sales Tax (7.55%)	\$170.16
	Total	\$4,337.96

QUALITY WELL SERVICE, INC.

5735

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-20-12	2	7	22	Graham	KS		6:45-7:15pm

Lease	Well No.	Location
Quinn	4-2	Hill City, KS 7N 3 1/2 E Sinto

Contractor	Owner
Ww Drilling	To Quality Well Service, Inc.

Type Job	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size	T.D.	
12 1/4	218	

Csg.	Depth	Charge To
8 5/8	211	Baird Oil

Tbg. Size	Depth	Street

Tool	Depth	City	State

Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
15 ft		

Meas Line	Displace	Cement Amount Ordered
	12.9	150 sr com 3%cc 2%gel

EQUIPMENT			
Pumptrk	No.		Common
	8	Heath	150
Bulktrk	No.		Poz. Mix
	10	m.ke	
Bulktrk	No.		Gel.
			3
Pickup	No.		Calcium
			5

JOB SERVICES & REMARKS	
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
Run 5 jts of 8 5/8 casing and landing it	Sand
	Handling 158
	Mileage 60

FLOAT EQUIPMENT	
Est Circulation with mud pump	Guide Shoe
	Centralizer
Hooked up and mixed 150 sr and disp 12.9 bbl of H2O!! Shut in @ 300 psi!!	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

 	Pumptrk Charge
	Surface
Cement did circulate!!	Mileage
	60

X Signature	Tax
	Discount
	Total Charge

SWIFT



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



Invoice

DATE	INVOICE #
10/31/2012	22930

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	#4-2	Quinn	Graham	Alliance Well Ser...	Oil	Development	Cement Port Collar	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-D	Pump Charge - Port Collar - 1910 Feet				1	Job	1,250.00	1,250.00
290	D-Air				3	Gallon(s)	35.00	105.00T
105	5 1/2" Port Collar Tool Rental With Man				1	Each	350.00	350.00T
330	Swift Multi-Density Standard (MIDCON II)				200	Sacks	16.50	3,300.00T
276	Flocele				57	Lb(s)	2.00	114.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				895.6	Ton Miles	1.00	895.60
	Subtotal							6,944.60
	Sales Tax Graham County						7.55%	292.11
	<p>R 11/05/12 P 11/05/12 Quinn 190402 376.43 Quinn 4-2- rental of port collar tool + man when cementing port collar</p> <p>Quinn 190402 6860.28 Quinn 4-2- pump charge, cement, and other misc expenses used to cement port collar.</p>							
							11/5/2012 CK#12795	

We Appreciate Your Business!

Total

\$7,236.71



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

TICKET
 No. 22930

PAGE 1 OF 1

1. SERVICE LOCATIONS: Hays, KS WELL/PROJECT NO. 4-2 LEASE Ruin COUNTY/PARISH Graham STATE KS CITY DATE 10-31-12 OWNER

2. Ness Oil, KS TICKET TYPE CONTRACTOR CONTRACTOR Alliance Well Serv RIG NAME/NO. SHIPPED VIA CT DELIVERED TO NEHLIC, KS ORDER NO.

3. WELL TYPE Oil WELL CATEGORY in field JOB PURPOSE Cement Brt Collar 1916' WELL PERMIT NO. WELL LOCATION

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575		1			MILEAGE #113	81mi					642	48000
576 D		1			Pump Charge - cont Brt Collar	1ea		1912	R		135000	135000
892		1			D. Oil	3gal					3500	10500
105		1			Brt Collar Tool Rental with Man	1ea		5 1/2	in		35000	35000
332		2			SUD Cement	200	skt	19852	lbs		1650	330000
876		2			Etacole	57	lbs				200	11400
581		2			Service Charge - Cement	225	skt	21392	lbs		200	45000
583		1			Drayage	895.6	Ta				100	89560

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 Steve W. Lawrence DATE SIGNED 10-31-12 TIME SIGNED 1:00 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? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 16944.00

Graham TAX 7.55%

TOTAL 72367

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

SWIFT OPERATOR Steve Lawrence APPROVAL

Thank You

JOB LOG

SWIFT Services, Inc.

DATE 10-31-12 PAGE NO. 2

CUSTOMER Baird Oil Co. WELL NO. 4-2 LEASE Quinn JOB TYPE Port. Port Collar TICKET NO. 22930

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	

	1340							On location w/ P.C tool
	1500							Start P.C tool / tag to 1910'
								Locate P.C
		3	3					Tgt. P.C closed
								Open PC - in rate - Have Blow
								Hook to 2 7/8" tub
	1530	3 / 4						Start 80 BBL mud - Have circulation
		3	80					Fin Mud - start 5881 H ₂ O
		3	5					Fin H ₂ O - start 5MUD cut @ 11.2 #/gal
		3						Have good circulation
		3	100					Cont circulate to pit @ 180 SKS
		3						Incr. cut #gal to 12 1/2 to 13 # -
		3	108					Fin 90 SKS cut @ 12 1/2 # - Displ 10 BBL H ₂ O
			10					Fin 10 BBL Displ.
								Close Port Collar - tot closed - OK
								Run 5 fts.
			11 / 14					250 Rev-out 2 flaps clean
			30					100 Fin Rev-out
	1700							Job Complete
								Wash up & Packup
	1730							Rig pull this tool

Thanks
 Han to Brian
 & Flint

SWIFT



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



Invoice

DATE	INVOICE #
10/27/2012	22908

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	#4-2	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
402-5	5 1/2" Centralizer				12	Each	70.00	840.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
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
276	Flocele				50	Lb(s)	2.00	100.00T
277	Gilsonite (Coal Seal)				400	Lb(s)	0.75	300.00T
283	Salt				1,550	Lb(s)	0.20	310.00T
285	CFR-1				950	Lb(s)	4.00	3,800.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
581D	Service Charge Cement				240	Sacks	2.00	480.00
583D	Drayage				999.12	Ton Miles	1.00	999.12
	Subtotal							17,919.12
	Sales Tax Graham County						7.55%	1,091.73
	Quinn 190402 19010.85 Quinn 4-2 - Pump charge, cement & other misc expenses used to cement production casing							

We Appreciate Your Business!	Total	\$19,010.85
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CHARGE TO: Barnd Oil
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET No. **22908**

PAGE 1 OF 2

1. SERVICE LOCATIONS	WELL/PROJECT NO. <u>4-2</u>	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
<u>Hays ks</u>		<u>Quinn</u>	<u>Graham</u>	<u>ks</u>		<u>10-27-12</u>	
2. <u>Ness Licks</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Ww</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Locatran</u>	ORDER NO.	
3.	WELL TYPE <u>D:1</u>	WELL CATEGORY <u>Develop</u>	JOB PURPOSE <u>5 1/2 Long String</u>	WELL PERMIT NO.		WELL LOCATION <u>Sec 2 Twp 7, R 22</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.		UNIT		AMOUNT	
						QTY.	UM	QTY.	UM		
<u>575</u>		1			MILEAGE # <u>113</u>	<u>80</u>	<u>mi</u>			<u>6.00</u>	<u>480.00</u>
<u>578</u>		1			<u>Pump Charge</u>	<u>1</u>	<u>ea</u>			<u>1500.00</u>	<u>1500.00</u>
<u>221</u>		1			<u>Liquid hcl</u>	<u>2</u>	<u>gal</u>			<u>25.00</u>	<u>50.00</u>
<u>280</u>		1			<u>Flocheck 21</u>	<u>500</u>	<u>gal</u>			<u>2.50</u>	<u>1250.00</u>
<u>402</u>		1			<u>Centralizer</u>	<u>12</u>	<u>ea</u>		<u>5 1/2</u>	<u>70.00</u>	<u>840.00</u>
<u>403</u>		1			<u>Lement Basket</u>	<u>1</u>	<u>ea</u>			<u>250.00</u>	<u>250.00</u>
<u>404</u>		1			<u>Port Collar</u>	<u>1</u>	<u>ea</u>		<u>1910</u>	<u>4.00</u>	<u>2400.00</u>
<u>406</u>		1			<u>Latch Down Plug + Baffle</u>	<u>1</u>	<u>ea</u>			<u>250.00</u>	<u>250.00</u>
<u>407</u>		1			<u>Insert Flat Shoe w/Auto Fill</u>	<u>1</u>	<u>ea</u>			<u>350.00</u>	<u>350.00</u>
<u>411</u>		1			<u>Recipo Scrubbers</u>	<u>30</u>	<u>ea</u>			<u>45.00</u>	<u>1350.00</u>

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

X Richard Ball
 DATE SIGNED 10-27-12 TIME SIGNED 0600 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?
 YES NO

WE UNDERSTOOD AND MET YOUR NEEDS?
 YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 YES NO

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	<u>P1</u>	8720	00
	<u>P2</u>	9199	12
	<u>Subtotal</u>	17,919	15
	<u>Graham TAX</u>	1091	7
TOTAL		19,010	8

SWIFT OPERATOR Paul Bond APPROVAL

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

Thank You



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

TICKET CONTINUATION

TICKET No. 22908

CUSTOMER Baird

WELL Quinn 4-2

DATE 10-27-12

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M			QTY.
325		2				Standard cement	206	SKS	13.50	2787.00	
326		2				60/40 Pozmix 27.9d	40	SKS	11.00	440.00	
276		2				Flocele	80	lbs	2.10	168.00	
277		2				Coal Seal	400	lbs	.75	300.00	
283		2				S-1+	1580	lbs	.20	316.00	
285		2				CFR-1	950	lbs	4.00	3800.00	
290		1				D-Air	2	gal	35.00	70.00	
581		2				SERVICE CHARGE			2.00	480.00	
583		2				MILEAGE CHARGE			1.00	999.12	
							TOTAL WEIGHT	24978			
							LOADED MILES	80			
							CUBIC FEET	240			
							TON MILES	999.12			

CONTINUATION TOTAL 9199.12

JOB LOG

SWIFT Services, Inc.

DATE 10-27-12 PAGE NO.

CUSTOMER **Baird** WELL NO. **4-2** LEASE **Quinn** JOB TYPE **5 1/2 Long String** TICKET NO. **22908**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0600							on location TD 3797 SS 21.53 TP 379+3786 PL @ -1946 1910 Insert 3770 3763 centralizers 931, 2, 3, 4, 5, 6, 7, 8, 9, 10 44 Basket 95
	0815							Start 5 1/2 14# casing Drop Ball circulate reciprocate pipe
	1200		7					Plug RH 30 sks
	1210	5	10				300	Start KCL Flush
		5	12				300	Start Floccet 21
		5	5				300	Start KCL Flush
	1220	5	43				300	Start Cement
	1237							Drop Plug Wash out Pump + Lines
	1238							Displace Plug
	1300		91.8				1500	Land Plug
							OK	Release PSI Held
								wash up truck check up
	1330							Job Complete
								Thank You Josh, Brian, Poug

A.P.I. # 15-065-23872-0000

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Baird Oil Company, LLC.
 LEASE Quinn # 4-2
 FIELD Last Hope Northeast
 LOCATION 1842' ENL + 607' FWL
 SEC 2 TWSP 7s RGE 22w
 COUNTY Graham STATE Kansas

ELEVATION
 KB 2257
 DF 2255
 GL 2252
 Depths Measured From
 Log KB Drilling KB.

CONTRACTOR WWD Drilling Rig # 8
 SPUD 10-20-12 COMP 10-27-12
 SAMPLES SAVED FROM 3230' TO R.T.D.

CASING
 Surface 8 7/8" @ 217'
 Production 5 1/2" @ 3786'

ELECTRIC LOGS
Nabors

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
				0	●		
Anhydrite	1891	1890	+ 367	+ 368	+ 369		
Base Anhydrite	1924	1923	+ 334	+ 335	+ 338		
Topeka	3252	3251	- 994	- 995	- 992		
Heebner	3453	3453	- 1196	- 1197	- 1194		
Toronto	3477	3477	- 1220	- 1221	- 1218		
Lansing	3494	3494	- 1237	- 1238	- 1237		
Base Kansas City	3684	3684	- 1427	- 1431	- 1426		
Marmaton	3727	3727	- 1470	- 1471	- 1470		
Total Depth	3797	3797	- 1540	- 1541	- 1542		

REFERENCE WELLS

- A Baird Oil Co., Quinn # 3-2, 330' ENL + 330' FWL Sec. 2-7s-22w
- B Baird Oil Co., Quinn # 2-2, 330' ENL + 330' FWL Sec. 2-7s-22w
- C
- D Port Callar @ 1910'

REMARKS

This well ran structurally favorable with the reference wells. It was decided production casing should be cemented to further test the well. The following zones should be tested; 3651-3654', 3567-3569', 3558-3560', 3528-3529' and 3494'-3497'.

Standard 45' Bell
10-28-12

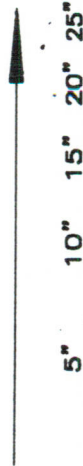
7502

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

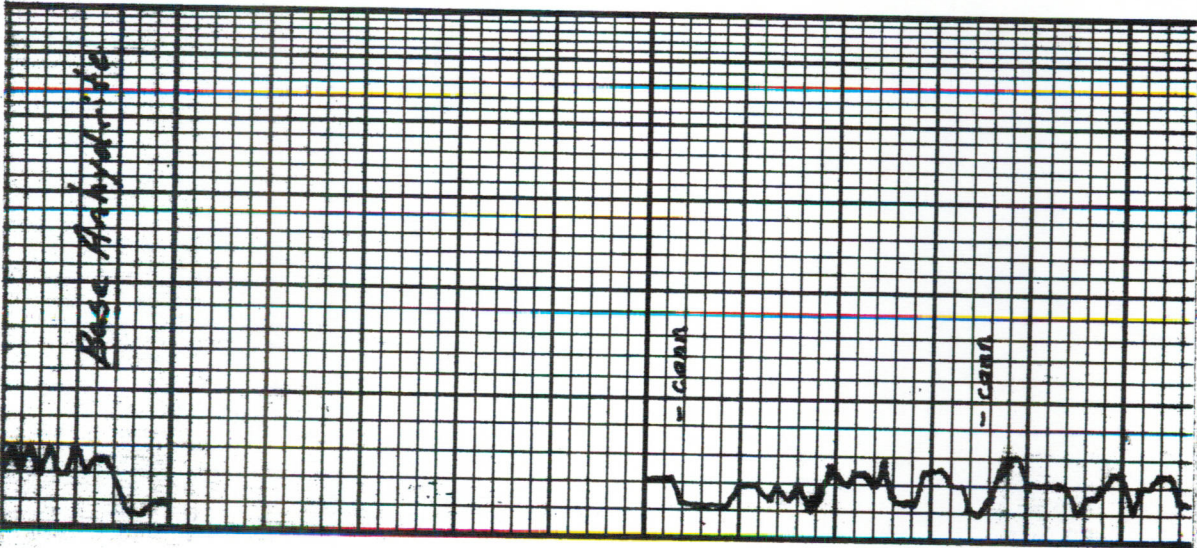
LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

LOG 7710



1920

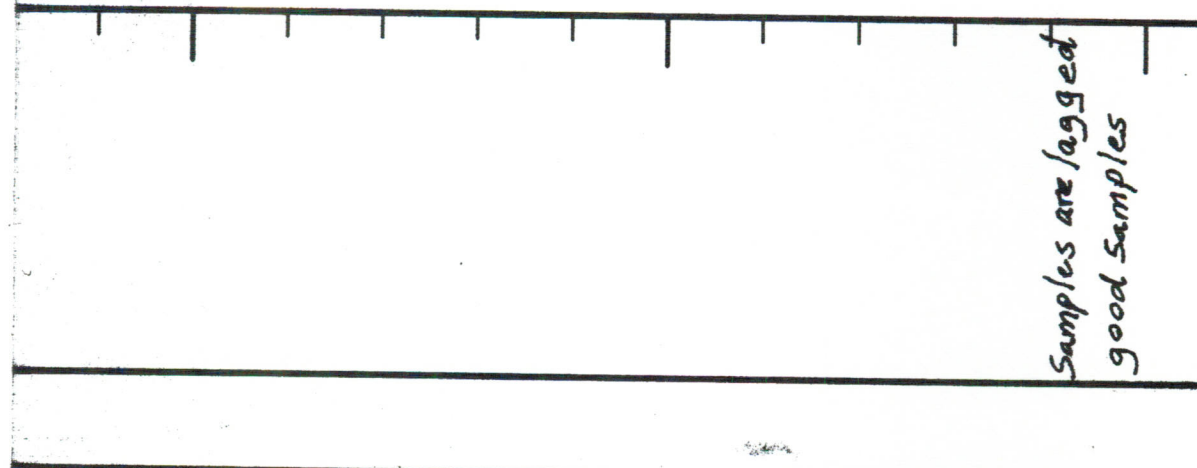
3100

20

40



Samples are lagged
good samples



60

80

3200

20

40

60

80

sh:grx

LS:tn-gry mtd fsf dns
sh:brn

LS:wh-tn-sli:cky-fxh No
vis^o No 5.0.

LS:tn-gry fxh dns

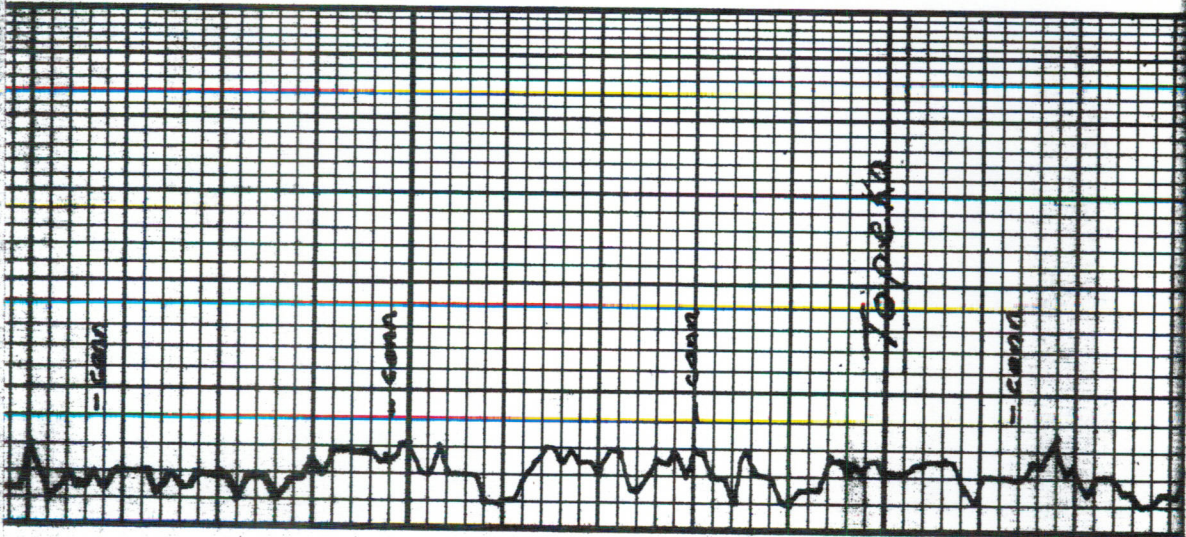
Sh:grysky,brn

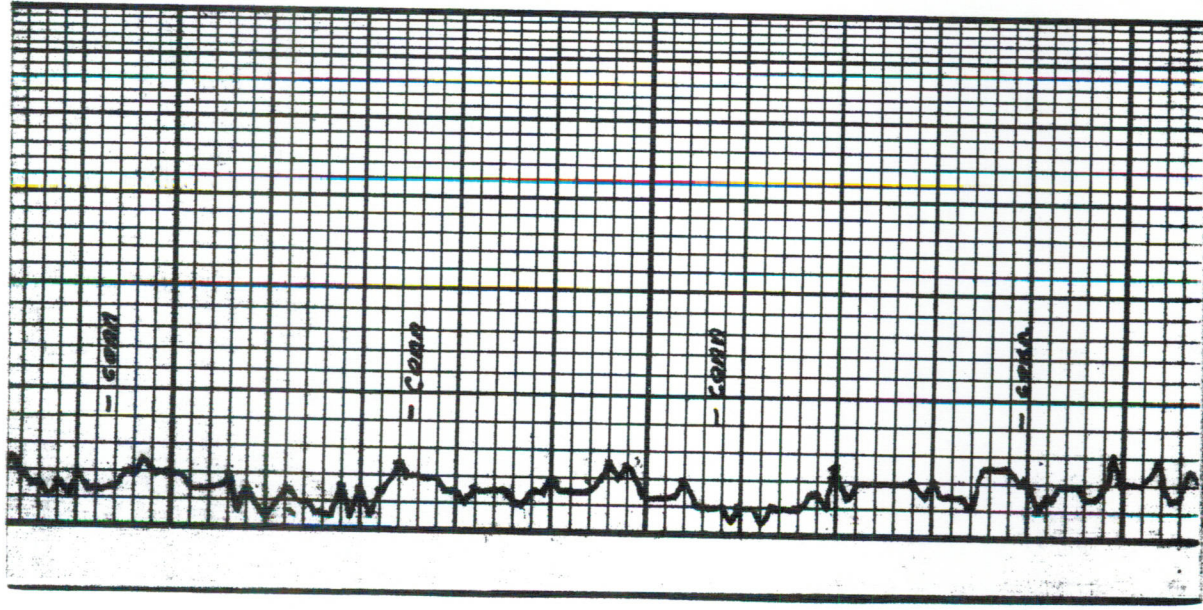
LS:wh-tn-gry-sli:cky-fsf
dns No 5.0.
sh:grx,brn

LS:aa sli:incr.cky

LS:wh-txcky-fxh Tr. PP
Tr. Glauc. spks. NSO.

sh:brn





LS: wh-to sl: cky fslf ppp N.S.O.	LS: m-gry mtd fslf dns	Sh: gry, brn	LS: m-gry fslf ppp N.S.O.	LS: wh-to sl: cky-fsch ppp in xln & friable N.S.O. Δ by alk-ta	LS: m-gry fslf dns Δ wh-to	LS: m-wh sl: cky-fsch dns N.S.O. Tr Δ 7h	LS: m-gry mtd fslf dns Sh: blk Carb.	Sh: brn, gry	LS: m-lt. gry fslf dns N.S.O.	LS: wh-to fslf ppp N.S.O. Δ wh-to	Sh: brn slty, gry	LS: wh-to fslf ppp N.S.O. Δ wh-to	Sh: blk Carb. N.S.O.
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3300

20

40

60

80

3400

10-21-91 1214 hrs.

LS: wh to fxlh - Tr. sli oil
Fg. impart of Thick blk
Ostn Tr. Tary 0.5th
If floating h2a ft. odor

LS: wh to - Lt. gry sli. cky -
fxln Tr. sli: fslf dms NSO

Sh: Bk Carb
LS: to - gry fslf dms NSO
sh: brn, gry

LS: wh to - cky - fxlh Tr.
150l. vugs w/ oil stn N.F.O.
No odor Aty to Tr. sptd
O Sat.

Sh: brn stty, gry
LS: wh to fxlh oil w/ pass.
incls. pp - Tr. impart of lit.
A. Ostn pp floating F.O.
V. ft. odor

LS: wh to sticky fxlh dms.

LS: as -
Sh: brn, gry

LS: wh to fxlh oil/pp -
part of Tr. sptd. DSTN

20

40

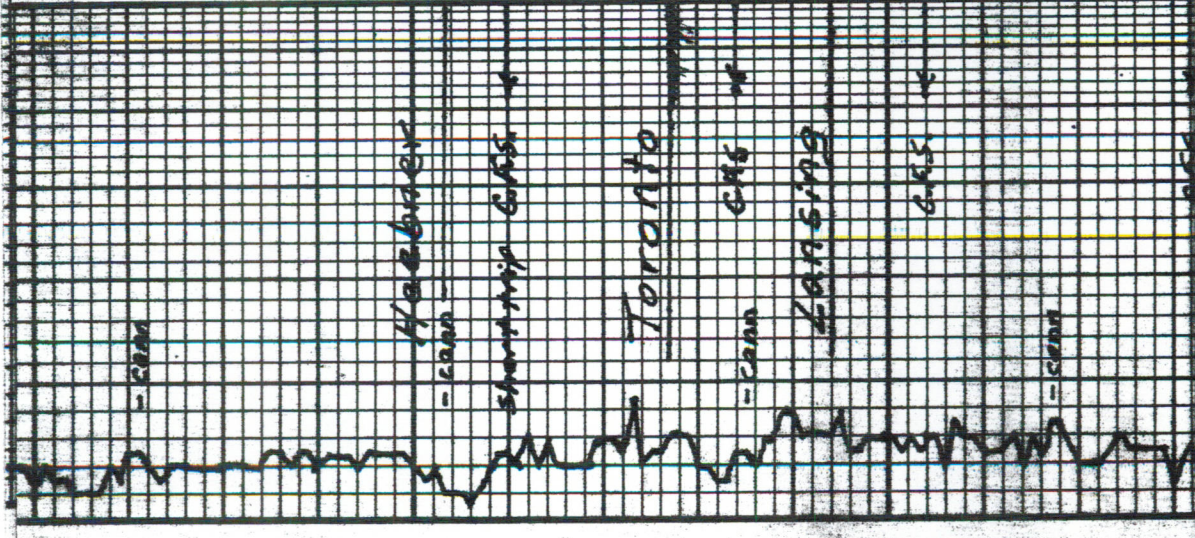
60

80

3500' A

20

'C'



✓

✓

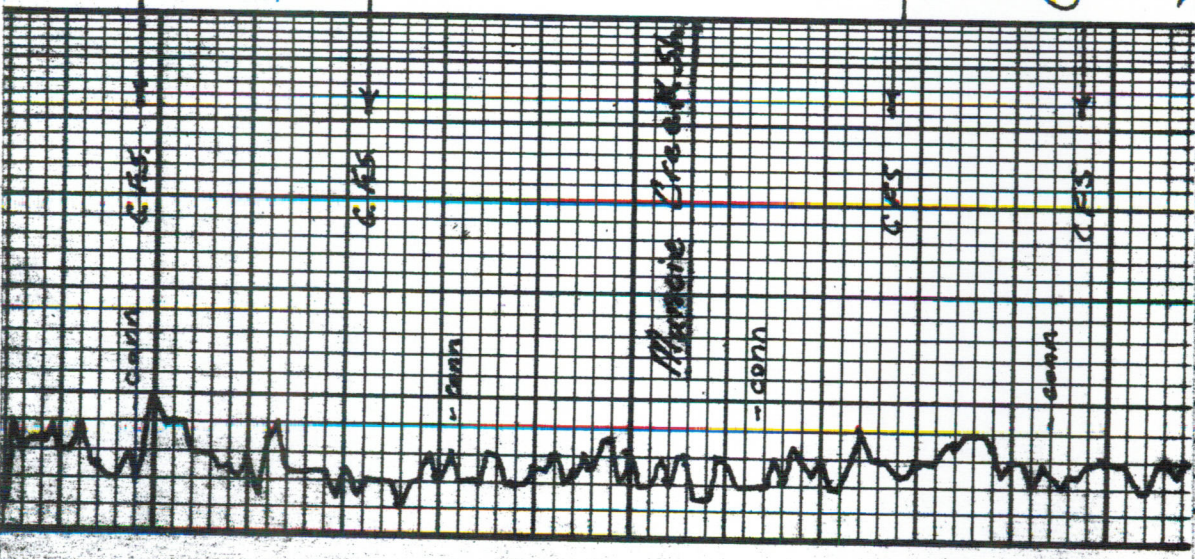
✓

✓

Board 3517.47
Strap 3517.38
Diff. .09
Incline 1° @ 3504'
Trilobite Testing

DST# / 3484 - 3504.
30-30-30-30
IF: wk blow d in 12 min
FF: No blow
Recovery: 10' OCM
107.0, 90% M
Hyd: 1740-1698#
FP: 10-13/14-14#
BHP: 71-44#
BHTemp: 107°F.

DST# 2 3510-3622
30-45-30-45
IF: B.O.B. in 9 min.
ISI: wk blow d in 15 min
FF: wk blow in to 7 1/2
FSI: No blow
Recovery: 484' Total
14' C.O.
470' 50cm 170, 892W
107.0
N.M.: 1750-1700



40' R	Sh: brn, gry Ls: wh to blk sh. ool pp Ls: optd osh Tr. H
60' F	Ls: wh to blk ool pp partly Lt. optd pp F.O. ft odor
80' G	Sh: brn, gry Ls: wh to blk cky-fsh ool N.S.O.
3600	Ls: wh to blk gry cky-fsh ool
20' H	Sh: blk Carb. Ls: gry fsh ool Sh: gry sh, brn
40' I	Ls: wh to blk cky-fsh ool w/ fash inclas pp Tr. Vg x p Lt. o str Tr. tary Ostr Tr floating f.o.
40' J	Sh: brn sh, gry Ls: wh to blk cky-fsh ool Pr. pp Lt. optd osh Tr. H O sat Tr. pp F.O.
3600	Ls: wh to blk cky-fsh ool ool pp Lt. R. o sat. pp F.O.

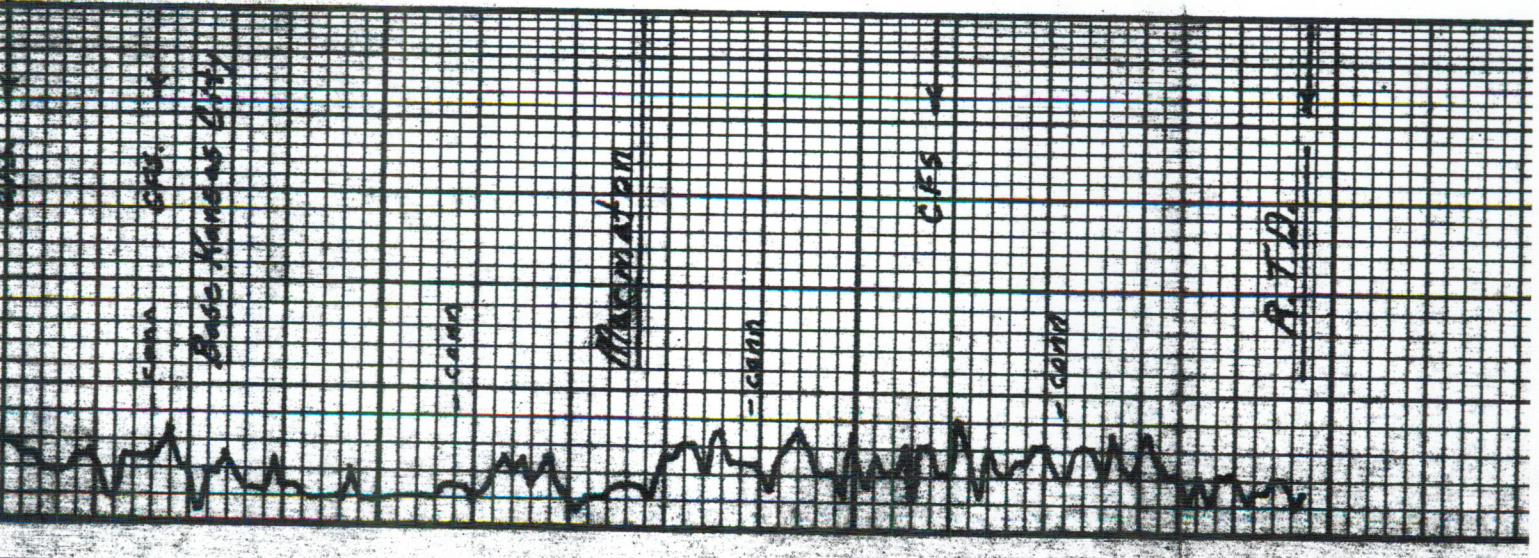
FP: 38-176/180-207
 BNP: 694-623
 BHTemp: 117°F
 Gravity: 30° A.P.I.
 Chlorides: 44,000ppm
 DST #3 2531-3548
 15-45-30-45
 IF: B.O.B. in 3 min.
 IS: No blow
 FF: B.O.B. in 3 min.
 FS: No blow
 Recovery: 1290' MW
 95% w, 57m
 Htd: 1762-1676#
 FP: 39-259/267-252#
 BNP: 913-907#
 BHTemp: 118°F
 Chlorides: 41,000ppm
 DST #4 3548-3572
 15-45-45-45
 IF: B.O.B. in 4 1/2 min.
 IS: wk blow in. to 2 1/2"
 FF: B.O.B. in 4 min.
 FS: wk blow in. to 2 3/4"
 Recovery: 280' G.I.P.
 Total fluid 740'
 140' C.O.
 180' G+OC/M 1520, 1020
 25% w, 50m
 420' MW 95% w, 52m
 Htd: 1773-1720#
 FP: 26-147/156-356#
 BNP: 777-749#
 BHTemp: 116°F
 Gravity: 35° A.P.I.
 Chlorides: 41,000ppm
 DST #5 3628-3660
 45-45-46-45
 IF: wk blow in. to 2"

FP: 38-176/180-207
 BNP: 694-623
 BHTemp: 117°F
 Gravity: 30° A.P.I.
 Chlorides: 44,000ppm

Recovery: 70' 0c.m
 NME: 1820-1780W
 FP: 14-42/47-64W
 BHP: 72.7-66/48
 BNTemp: 109°F

sh:brn, gry	LS: wh-to, sli.cky-fsch ool foss. incl. Tr. P.P. ool O.5m N.P.O. Tr. fary, sh
sh:brn, mar. gry Tr. S.S. V. fagn. Consol. ingran N.S.O.	LS: wh-to sli.cky-fsch ool foss. incl. pr. P.P. f. sh O.5m Tr. fary O.5m P.P.O. Tr. A Li. gry
LS: wh-to cky-fsch dms	
sh: gry, brn	LS: wh-to f. sch dms N.S.O.
sh: brn, gry	LS + S.S. wh-to f. sch Tr. S.S. f. sch fary O.5m A + wea. D. Tr. O.5m P.P.O. Tr. S.S. cl. f. gn. consol. ingran fary O.5m sh: brn, gry
sh: brn, gry	LS: wh-to cky-fsch - sli. f. sch dms N.S.O.
sh: brn, gry	
sh: brn, gry	

'X'
 80 L
 3700
 20
 40
 60
 80
 3800





DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Quinn #4-2

2-7s-22w Graham,KS

Start Date: 2012.10.23 @ 23:06:48

End Date: 2012.10.24 @ 04:04:03

Job Ticket #: 48711 DST #: 1

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

Printed: 2012.11.01 @ 13:37:24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan, KS 67646

Quinn #4-2

Job Ticket: 48711

DST#: 1

ATTN: Richard Bell

Test Start: 2012.10.23 @ 23:06:48

GENERAL INFORMATION:

Formation: **A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:29:18
 Time Test Ended: 04:04:03
 Interval: **3484.00 ft (KB) To 3504.00 ft (KB) (TVD)**
 Total Depth: 3504.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2257.00 ft (KB)
 2252.00 ft (CF)
 KB to GR/CF: 5.00 ft

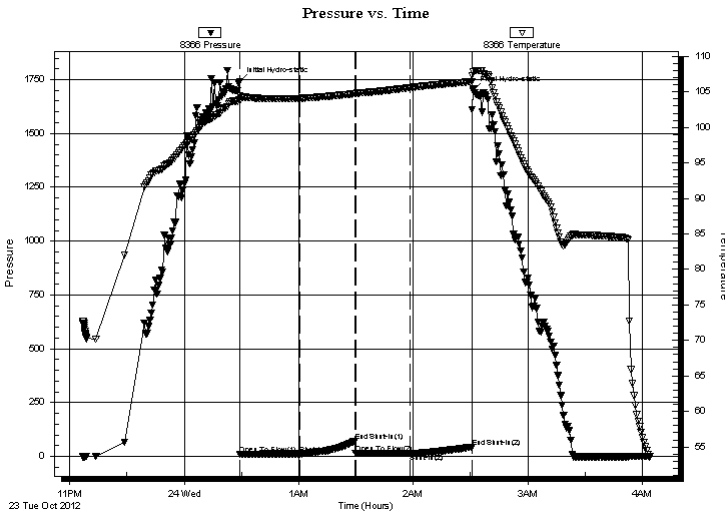
Serial #: 8366

Inside

Press @ Run Depth: 14.40 psig @ 3486.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.23 End Date: 2012.10.24 Last Calib.: 2012.10.24
 Start Time: 23:06:50 End Time: 04:04:03 Time On Btm: 2012.10.24 @ 00:29:03
 Time Off Btm: 2012.10.24 @ 02:31:18

TEST COMMENT: IFP-Weak Surface Blow , Died in 12 Min.
 ISI-Dead
 FFp-Dead
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1740.03	104.47	Initial Hydro-static
1	9.66	103.83	Open To Flow (1)
32	12.70	104.11	Shut-In(1)
61	71.47	104.75	End Shut-In(1)
61	13.63	104.74	Open To Flow (2)
89	14.40	105.60	Shut-In(2)
122	44.41	106.47	End Shut-In(2)
123	1697.70	107.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM-10%O-90%M	0.05

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan, KS 67646

Quinn #4-2

Job Ticket: 48711

DST#: 1

ATTN: Richard Bell

Test Start: 2012.10.23 @ 23:06:48

GENERAL INFORMATION:

Formation: **A**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 00:29:18
 Time Test Ended: 04:04:03
 Interval: **3484.00 ft (KB) To 3504.00 ft (KB) (TVD)**
 Total Depth: 3504.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Jason McLemore**
 Unit No: **54**
 Reference Elevations: 2257.00 ft (KB)
 2252.00 ft (CF)
 KB to GR/CF: 5.00 ft

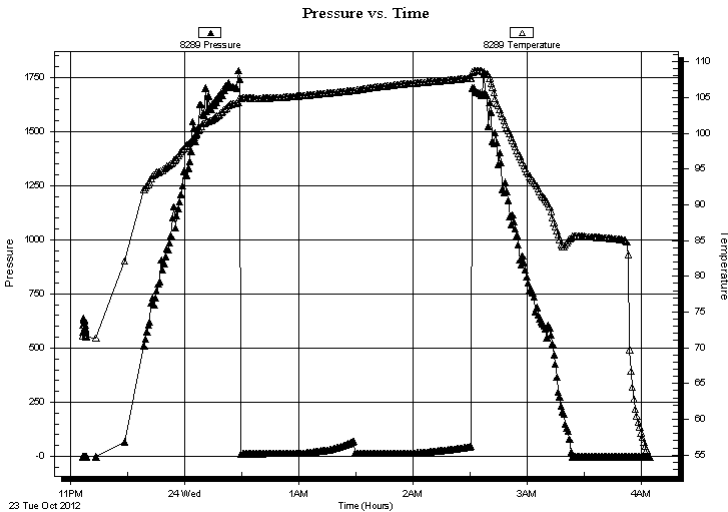
Serial #: 8289

Outside

Press @ Run Depth: **psig @ 3486.00 ft (KB)**
 Start Date: 2012.10.23 End Date: 2012.10.24
 Start Time: 23:06:35 End Time: 04:04:18
 Capacity: 8000.00 psig
 Last Calib.: 2012.10.24
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow , Died in 12 Min.
 ISI-Dead
 FFp-Dead
 FSI-Dead

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM-10%O-90%M	0.05

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 #4-2

Job Ticket: 48711

DST#: 1

ATTN: Richard Bell

Test Start: 2012.10.23 @ 23:06:48

Tool Information

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.80 inches	Volume: 47.13 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3484.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 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			3464.00	
Shut In Tool	5.00			3469.00	
Hydraulic tool	5.00			3474.00	
Packer	5.00			3479.00	21.00 Bottom Of Top Packer
Packer	5.00			3484.00	
Stubb	1.00			3485.00	
Perforations	1.00			3486.00	
Recorder	0.00	8366	Inside	3486.00	
Recorder	0.00	8289	Outside	3486.00	
Perforations	15.00			3501.00	
Bullnose	3.00			3504.00	20.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**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 #4-2

Job Ticket: 48711

DST#: 1

ATTN: Richard Bell

Test Start: 2012.10.23 @ 23:06:48

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: 80.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM-10%O-90%M	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:

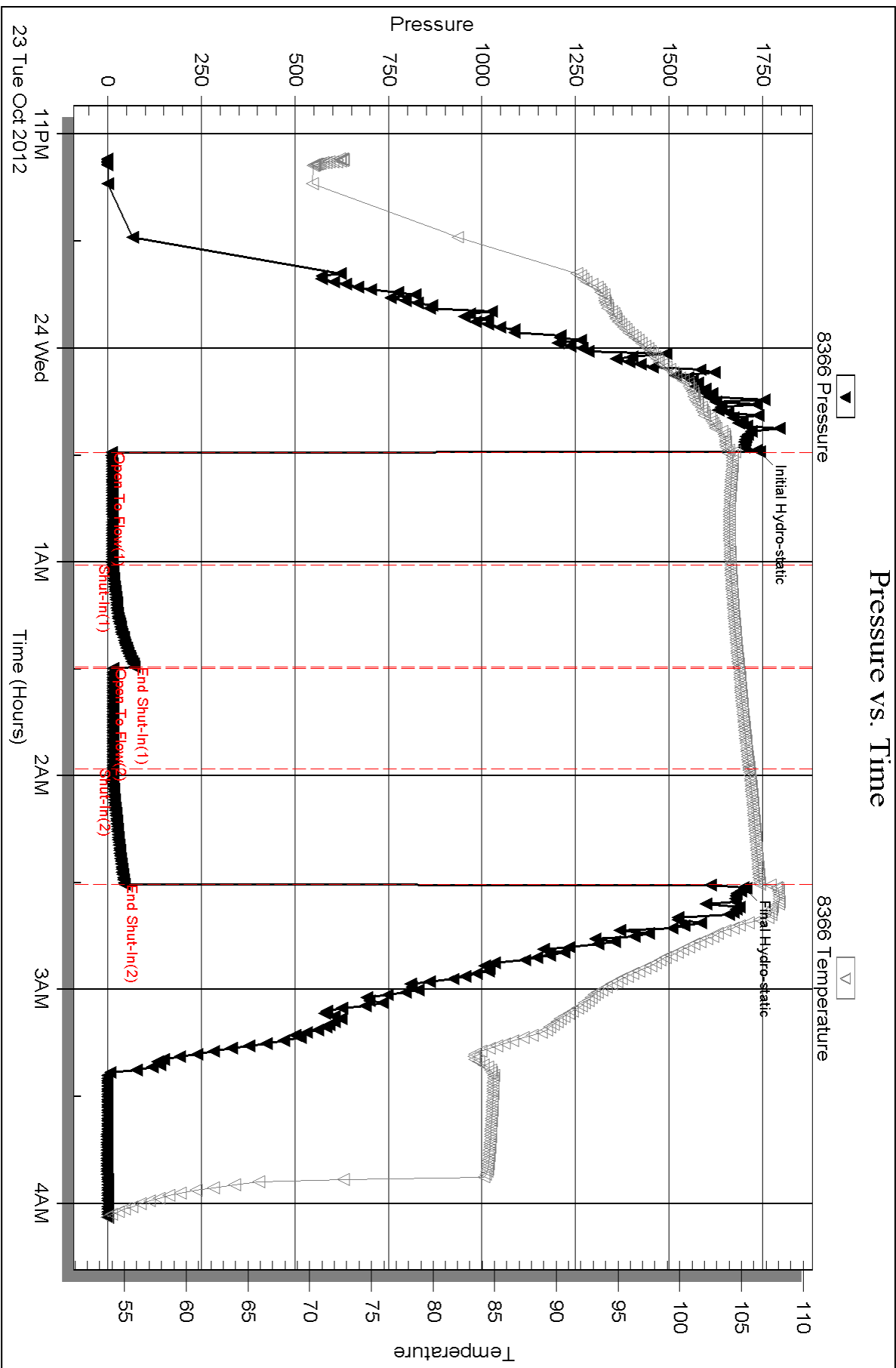
Serial #: 8366

Inside

Baird Oil Company, LLC

Quinn #4-2

DST Test Number: 1

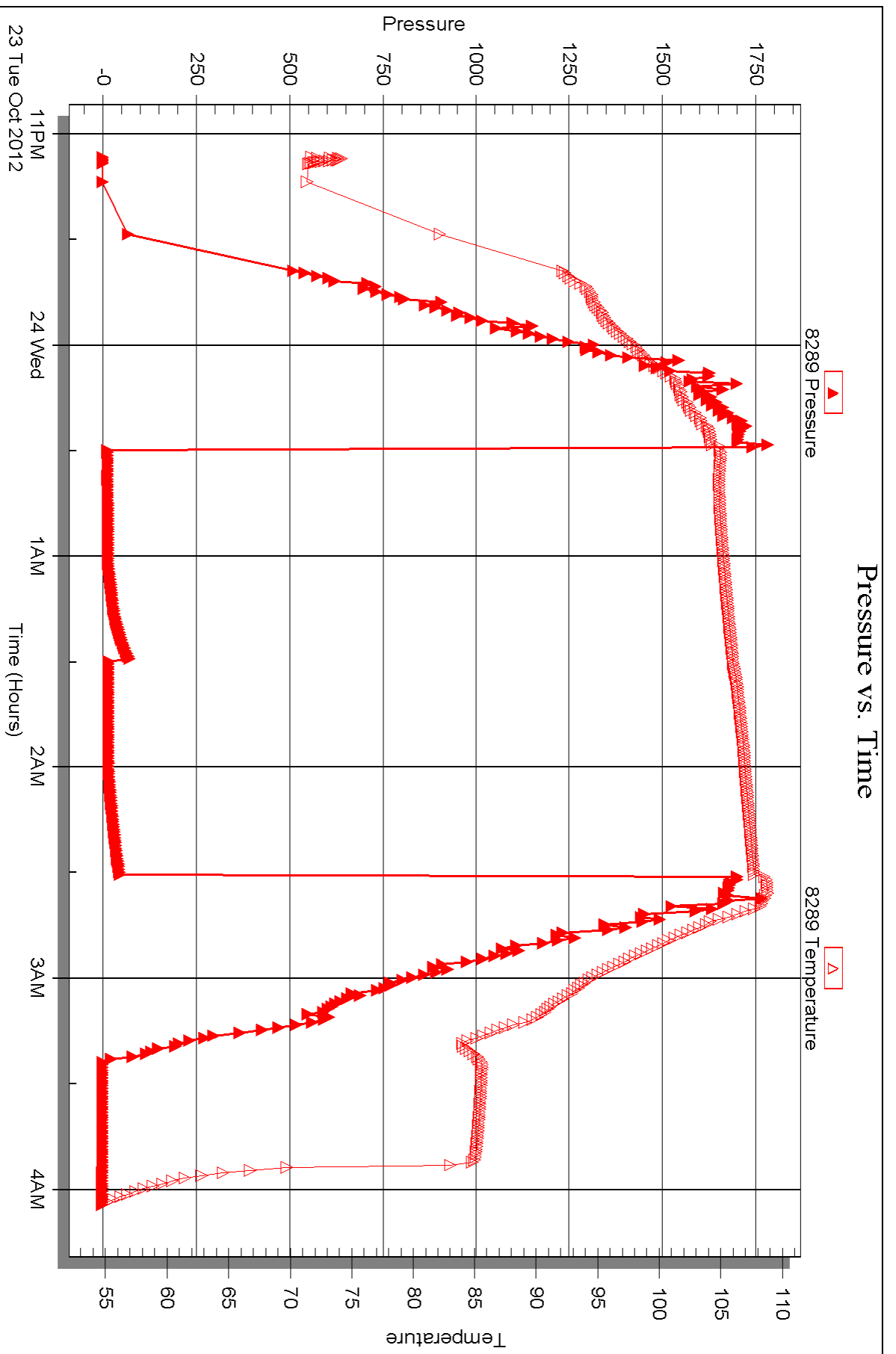


Serial #: 8289

Outside Baird Oil Company, LLC

Quinn #4-2

DST Test Number: 1





DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Quinn #4-2

2-7s-22w Graham,KS

Start Date: 2012.10.24 @ 09:16:41

End Date: 2012.10.24 @ 15:47:11

Job Ticket #: 48712 DST #: 2

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

Printed: 2012.11.01 @ 13:36:13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan, KS 67646

Quinn #4-2

Job Ticket: 48712

DST#: 2

ATTN: Richard Bell

Test Start: 2012.10.24 @ 09:16:41

GENERAL INFORMATION:

Formation: **C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:10:11
 Time Test Ended: 15:47:11
 Interval: **3510.00 ft (KB) To 3532.00 ft (KB) (TVD)**
 Total Depth: 3532.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2257.00 ft (KB)
 2252.00 ft (CF)
 KB to GR/CF: 5.00 ft

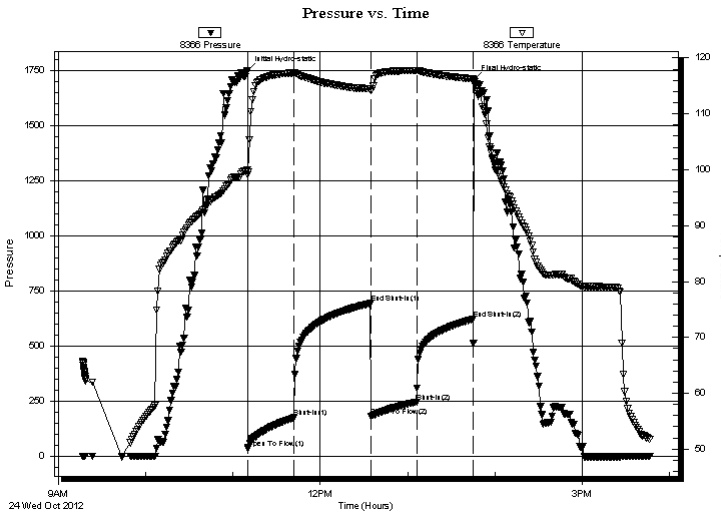
Serial #: 8366

Inside

Press @ Run Depth: 247.19 psig @ 3514.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.24 End Date: 2012.10.24 Last Calib.: 2012.10.24
 Start Time: 09:16:43 End Time: 15:47:11 Time On Btm: 2012.10.24 @ 11:09:56
 Time Off Btm: 2012.10.24 @ 13:45:56

TEST COMMENT: IFP-Good Blow , BOB in 9 min.
 ISI-Weak Surface Blow back,Built to 1/16", Died in 15 min
 FFP-Fair Blow , Built to 7-1/2"
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.00	100.00	Initial Hydro-static
1	37.96	99.07	Open To Flow (1)
32	176.31	117.34	Shut-In(1)
85	694.22	114.44	End Shut-In(1)
86	183.18	114.12	Open To Flow (2)
117	247.19	117.73	Shut-In(2)
156	622.66	116.24	End Shut-In(2)
156	1707.55	115.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
470.00	VSOCMW-1%O-89%W-10%M	5.47
14.00	Free Oil	0.20

* 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 #4-2

Job Ticket: 48712

DST#: 2

ATTN: Richard Bell

Test Start: 2012.10.24 @ 09:16:41

Tool Information

Drill Pipe:	Length: 3392.00 ft	Diameter: 3.80 inches	Volume: 47.58 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3510.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3490.00	
Shut In Tool	5.00			3495.00	
Hydraulic tool	5.00			3500.00	
Packer	5.00			3505.00	21.00 Bottom Of Top Packer
Packer	5.00			3510.00	
Stubb	1.00			3511.00	
Perforations	3.00			3514.00	
Recorder	0.00	8366	Inside	3514.00	
Recorder	0.00	8289	Outside	3514.00	
Perforations	15.00			3529.00	
Bullnose	3.00			3532.00	22.00 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 #4-2

Job Ticket: 48712

DST#: 2

ATTN: Richard Bell

Test Start: 2012.10.24 @ 09:16:41

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

44000 ppm

Viscosity: 80.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
470.00	VSOCMW-1%O-89%W-10%M	5.472
14.00	Free Oil	0.196

Total Length: 484.00 ft

Total Volume: 5.668 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

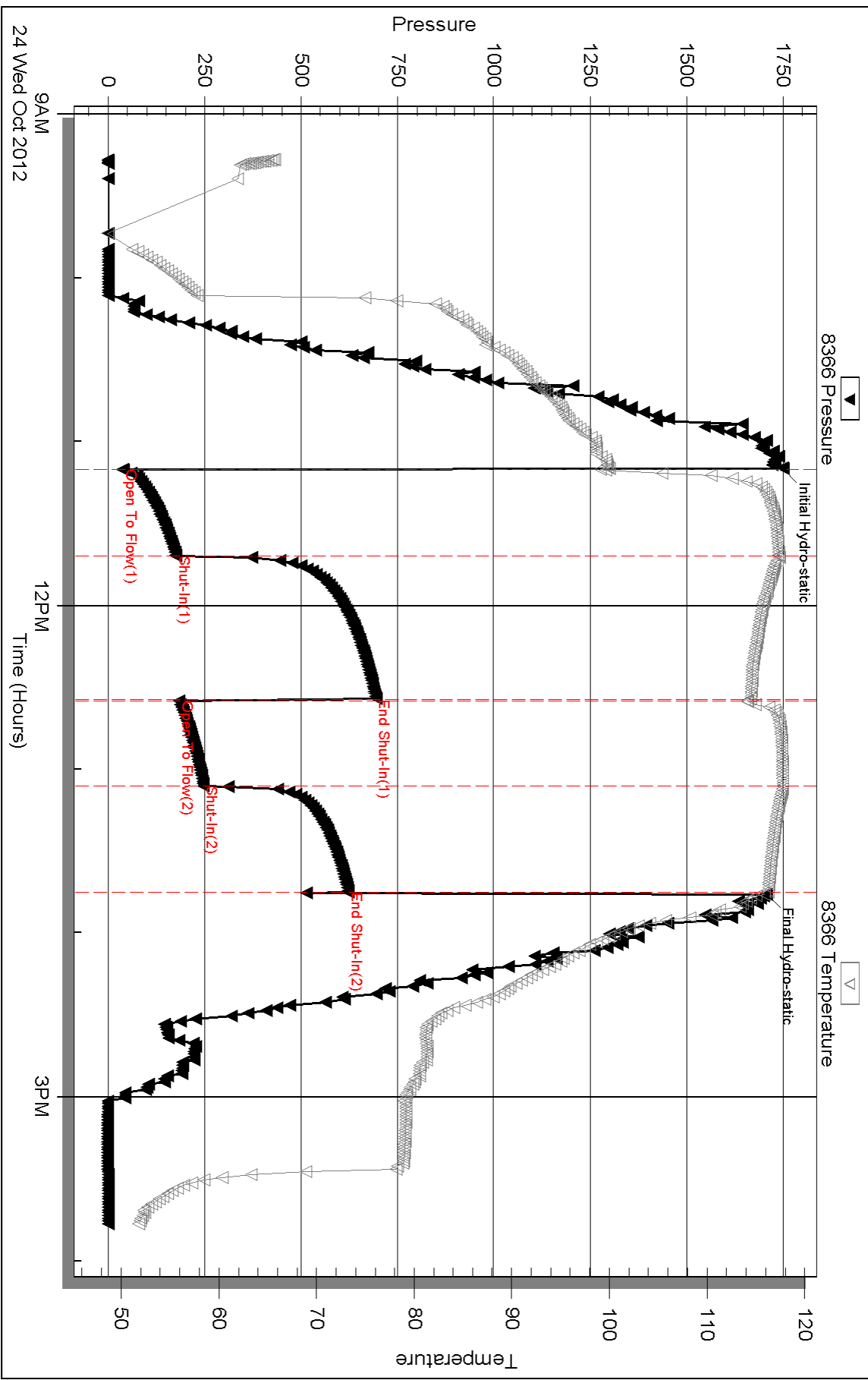
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

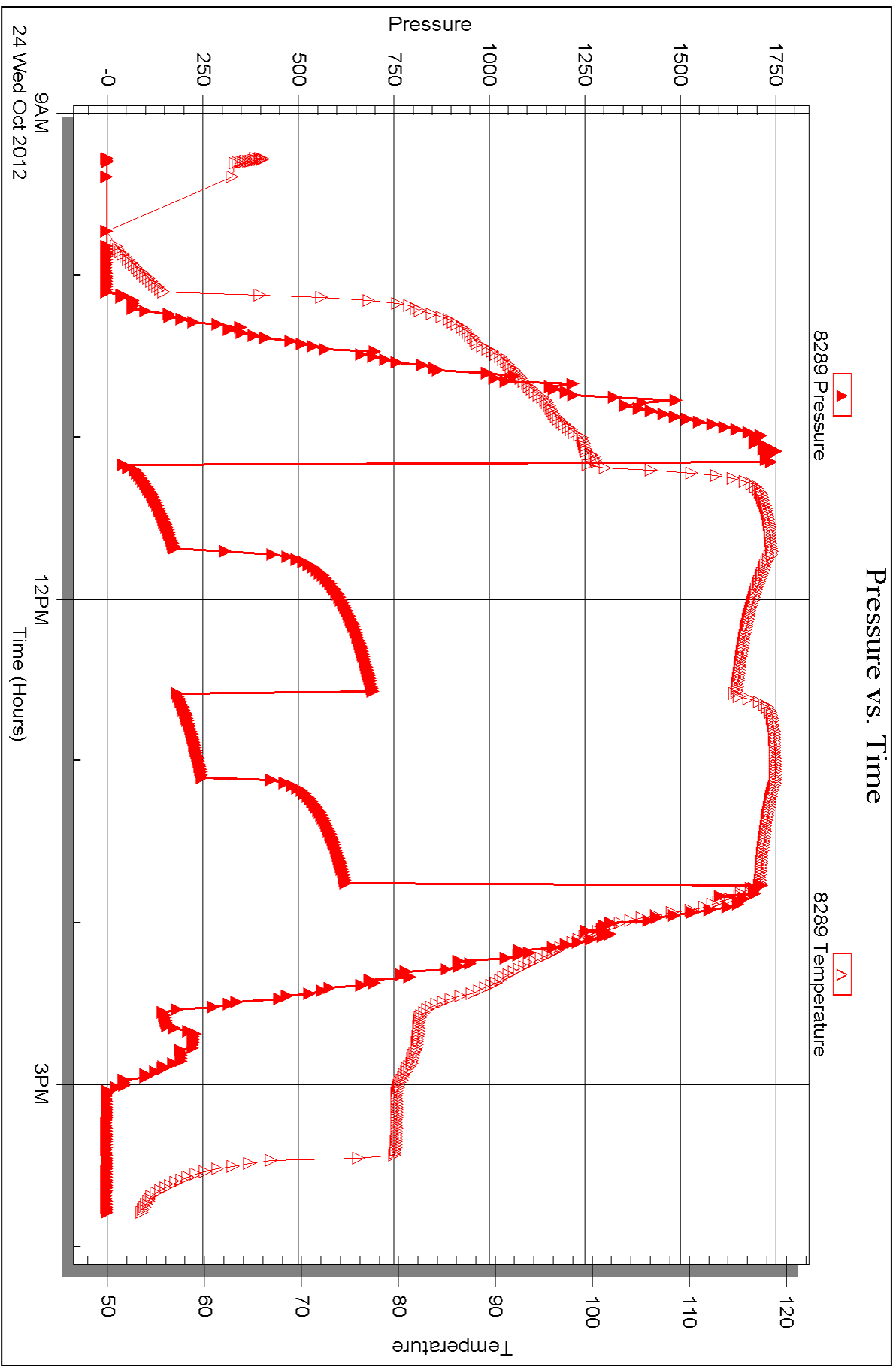


Serial #: 8289

Outside Baird Oil Company, LLC

Quinn #4-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 48712

Printed: 2012.11.01 @ 13:36:18



DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Quinn #4-2

2-7s-22w Graham,KS

Start Date: 2012.10.24 @ 21:07:38

End Date: 2012.10.25 @ 03:27:23

Job Ticket #: 48713 DST #: 3

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

Printed: 2012.11.01 @ 13:35:24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan, KS 67646

Quinn #4-2

Job Ticket: 48713

DST#: 3

ATTN: Richard Bell

Test Start: 2012.10.24 @ 21:07:38

GENERAL INFORMATION:

Formation: **D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:51:53
 Time Test Ended: 03:27:23
 Interval: **3531.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Total Depth: 3548.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 2257.00 ft (KB)
 2252.00 ft (CF)
 KB to GR/CF: 5.00 ft

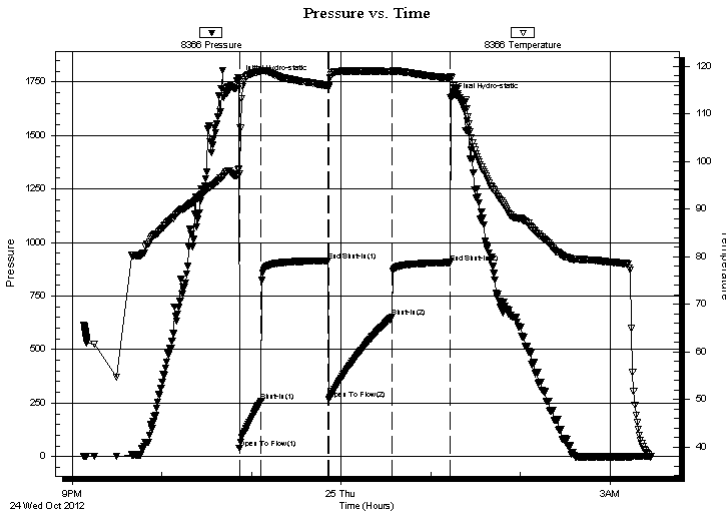
Serial #: 8366

Inside

Press @ Run Depth: 651.92 psig @ 3535.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.24 End Date: 2012.10.25 Last Calib.: 2012.10.25
 Start Time: 21:07:40 End Time: 03:27:23 Time On Btm: 2012.10.24 @ 22:51:23
 Time Off Btm: 2012.10.25 @ 01:13:23

TEST COMMENT: IFP-Strong, BOB in 3 Min.
 ISI-Dead
 Strong, BOB in 3 Min.
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.54	98.42	Initial Hydro-static
1	39.26	97.41	Open To Flow (1)
15	259.21	118.92	Shut-In(1)
60	912.77	115.96	End Shut-In(1)
61	266.97	115.70	Open To Flow (2)
103	651.92	118.98	Shut-In(2)
142	906.69	117.60	End Shut-In(2)
142	1675.81	117.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1290.00	Muddy Water-95%W-5%M	16.97

* 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 #4-2

Job Ticket: 48713

DST#: 3

ATTN: Richard Bell

Test Start: 2012.10.24 @ 21:07:38

Tool Information

Drill Pipe:	Length: 3392.00 ft	Diameter: 3.80 inches	Volume: 47.58 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3531.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	38.00 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			3511.00	
Shut In Tool	5.00			3516.00	
Hydraulic tool	5.00			3521.00	
Packer	5.00			3526.00	21.00 Bottom Of Top Packer
Packer	5.00			3531.00	
Stubb	1.00			3532.00	
Perforations	3.00			3535.00	
Recorder	0.00	8366	Inside	3535.00	
Recorder	0.00	8289	Outside	3535.00	
Perforations	10.00			3545.00	
Bullnose	3.00			3548.00	17.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**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 #4-2

Job Ticket: 48713

DST#: 3

ATTN: Richard Bell

Test Start: 2012.10.24 @ 21:07:38

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:

41000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1290.00	Muddy Water-95%W-5%M	16.975

Total Length: 1290.00 ft Total Volume: 16.975 bbl

Num Fluid Samples: 0

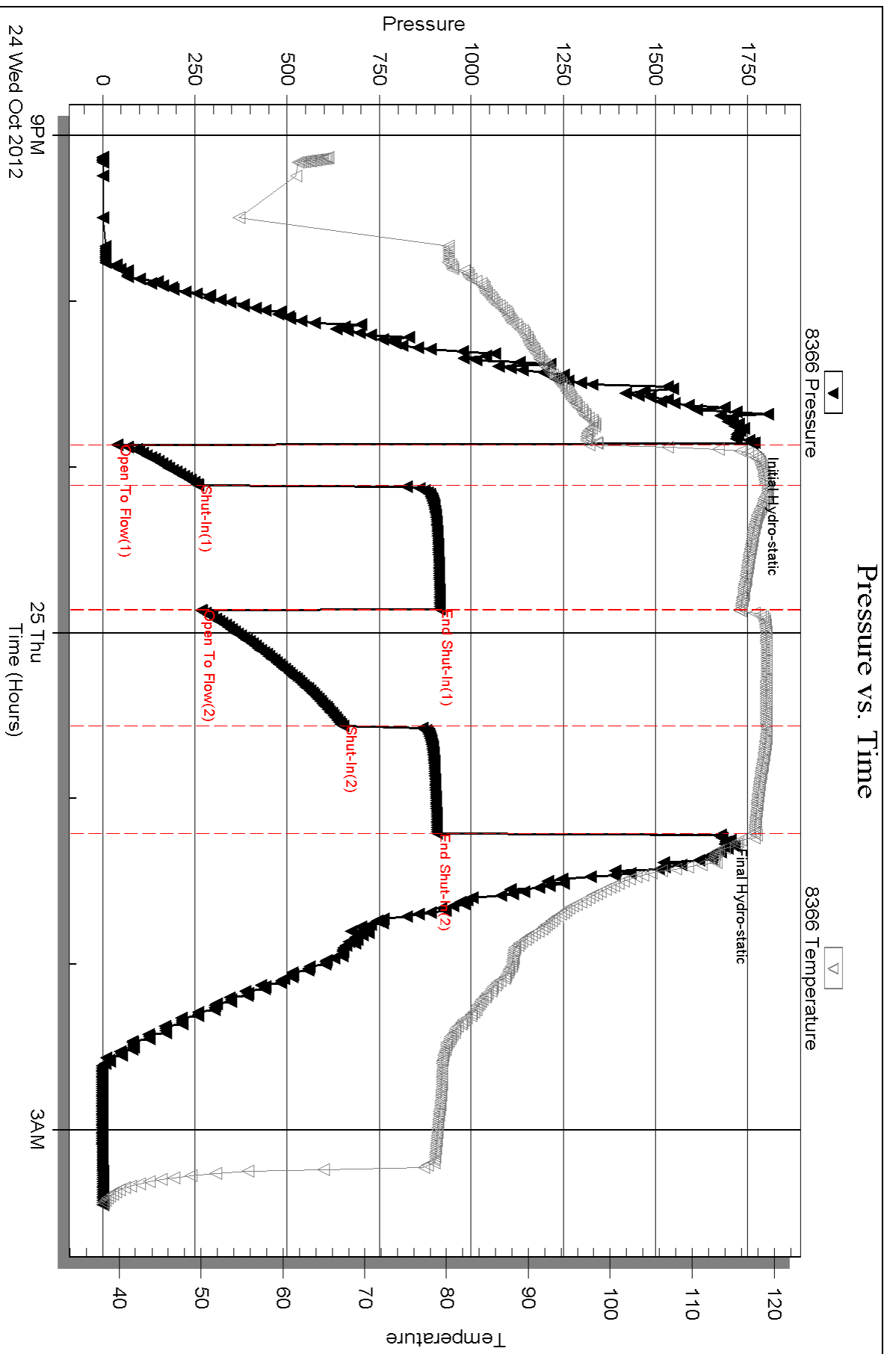
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

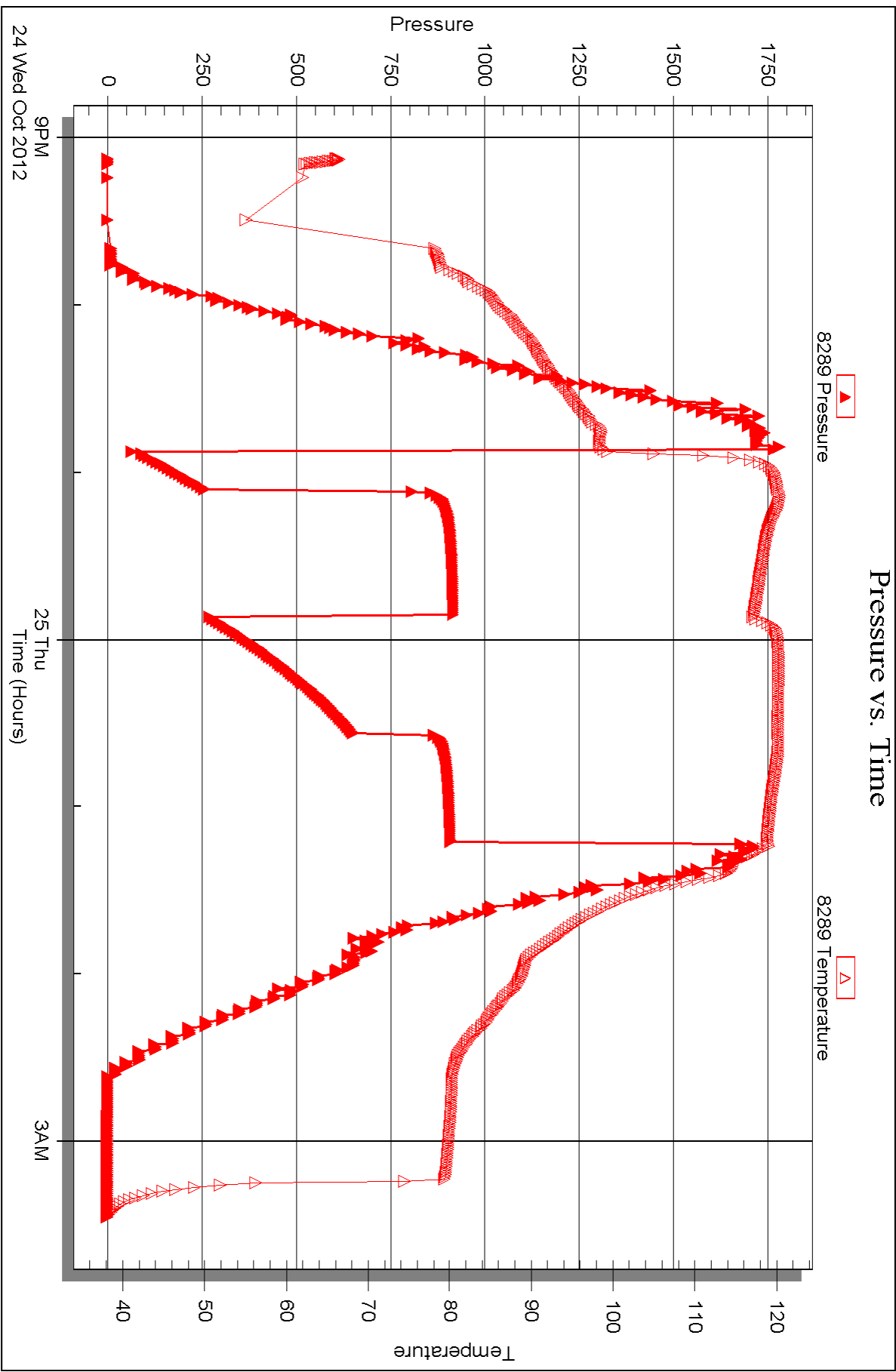


Serial #: 8289

Outside Baird Oil Company, LLC

Quinn #4-2

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 48713

Printed: 2012.11.01 @ 13:35:29



DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Quinn #4-2

2-7s-22w Graham,KS

Start Date: 2012.10.25 @ 09:12:10

End Date: 2012.10.25 @ 15:44:10

Job Ticket #: 48714 DST #: 4

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

Printed: 2012.11.01 @ 13:34:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan, KS 67646

Quinn #4-2

Job Ticket: 48714

DST#: 4

ATTN: Richard Bell

Test Start: 2012.10.25 @ 09:12:10

GENERAL INFORMATION:

Formation: **E-F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 10:41:55 Tester: Jason McLemore
 Time Test Ended: 15:44:10 Unit No: 54
 Interval: **3548.00 ft (KB) To 3572.00 ft (KB) (TVD)** Reference Elevations: 2257.00 ft (KB)
 Total Depth: 3504.00 ft (KB) (TVD) 2252.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

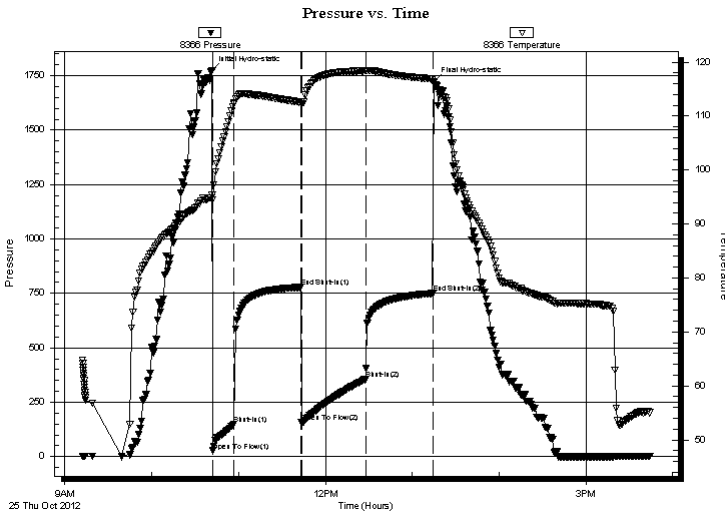
Serial #: 8366

Inside

Press @ Run Depth: 356.64 psig @ 3552.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.25 End Date: 2012.10.25 Last Calib.: 2012.10.25
 Start Time: 09:12:12 End Time: 15:44:10 Time On Btm: 2012.10.25 @ 10:41:40
 Time Off Btm: 2012.10.25 @ 13:14:55

TEST COMMENT: IFP-Strong, BOB in 4-1/2 Min.
 ISI-Blow back Built to 2-1/2"
 FFP-Strong, BOB in 4 Min.
 FSI-Blow back Built to 2-3/4"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1773.92	95.32	Initial Hydro-static
1	26.25	94.46	Open To Flow (1)
15	147.84	112.26	Shut-In(1)
62	777.98	112.56	End Shut-In(1)
62	156.15	112.27	Open To Flow (2)
106	356.64	118.38	Shut-In(2)
153	749.80	116.86	End Shut-In(2)
154	1720.52	116.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	Muddy Water-95%W-5%M	4.77
180.00	GOCWM-15%G-10%O-25%W-50%M	2.52
140.00	Free Oil	1.96
0.00	280' Gas In Pipe	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 #4-2

Job Ticket: 48714

DST#: 4

ATTN: Richard Bell

Test Start: 2012.10.25 @ 09:12:10

Tool Information

Drill Pipe:	Length: 3425.00 ft	Diameter: 3.80 inches	Volume: 48.04 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3548.00 ft			Final 45000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3528.00	
Shut In Tool	5.00			3533.00	
Hydraulic tool	5.00			3538.00	
Packer	5.00			3543.00	21.00 Bottom Of Top Packer
Packer	5.00			3548.00	
Stubb	1.00			3549.00	
Perforations	3.00			3552.00	
Recorder	0.00	8366	Inside	3552.00	
Recorder	0.00	8289	Outside	3552.00	
Perforations	17.00			3569.00	
Bullnose	3.00			3572.00	24.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**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 #4-2

Job Ticket: 48714

DST#: 4

ATTN: Richard Bell

Test Start: 2012.10.25 @ 09:12:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

41000 ppm

Viscosity: 80.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
420.00	Muddy Water-95%W-5%M	4.771
180.00	GOCWM-15%G-10%O-25%W-50%M	2.525
140.00	Free Oil	1.964
0.00	280' Gas In Pipe	0.000

Total Length: 740.00 ft

Total Volume: 9.260 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

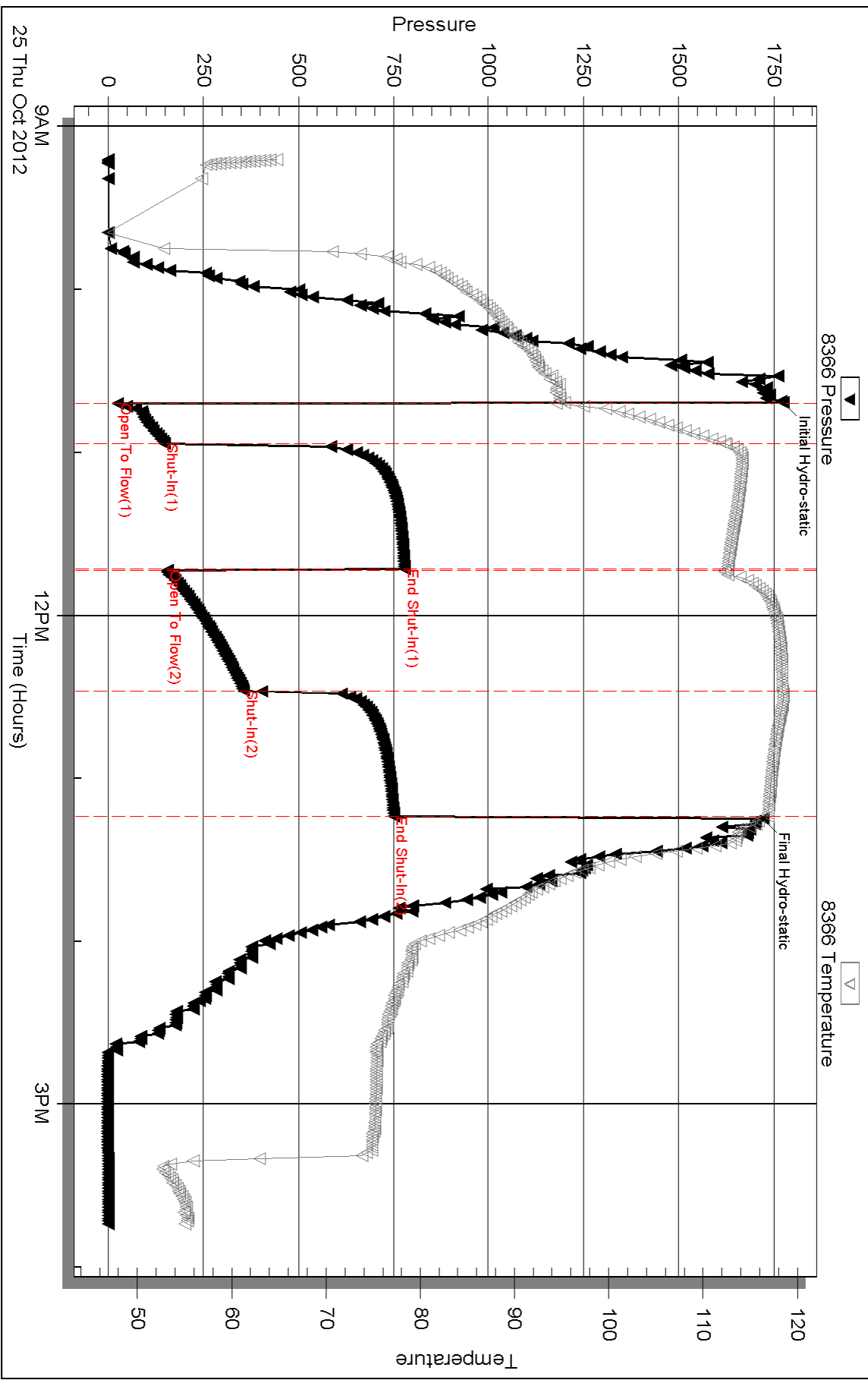
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Quinn #4-2

2-7s-22w Graham,KS

Start Date: 2012.10.26 @ 01:17:48

End Date: 2012.10.26 @ 08:13:48

Job Ticket #: 48715 DST #: 5

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

Printed: 2012.11.01 @ 13:33:37



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

2-7s-22w Graham,KS

PO Box 428
Logan, KS 67646

Quinn #4-2

Job Ticket: 48715

DST#: 5

ATTN: Richard Bell

Test Start: 2012.10.26 @ 01:17:48

GENERAL INFORMATION:

Formation: **I-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 03:29:18
 Tester: Jason McLemore
 Time Test Ended: 08:13:48
 Unit No: 54
 Interval: **3628.00 ft (KB) To 3660.00 ft (KB) (TVD)**
 Reference Elevations: 2257.00 ft (KB)
 Total Depth: 3504.00 ft (KB) (TVD)
 2252.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 5.00 ft

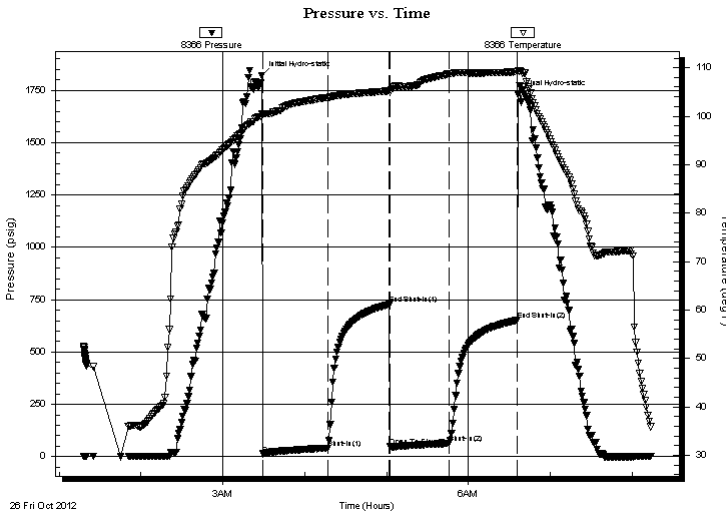
Serial #: 8366

Inside

Press @ Run Depth: 63.67 psig @ 3632.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.26 End Date: 2012.10.26 Last Calib.: 2012.10.26
 Start Time: 01:17:50 End Time: 08:13:48 Time On Btm: 2012.10.26 @ 03:28:33
 Time Off Btm: 2012.10.26 @ 06:36:33

TEST COMMENT: IFP-Wea Blow , Built to 3"
 ISI-Dead
 FFP-Weak Surface Blow , Lasted Throughout
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.11	100.57	Initial Hydro-static
1	13.96	100.26	Open To Flow (1)
48	41.59	103.85	Shut-In(1)
94	727.22	105.23	End Shut-In(1)
94	47.42	105.00	Open To Flow (2)
138	63.67	108.74	Shut-In(2)
188	651.43	109.18	End Shut-In(2)
188	1729.64	109.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCM-10%O-90%M	0.34

* 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 #4-2

Job Ticket: 48715

DST#: 5

ATTN: Richard Bell

Test Start: 2012.10.26 @ 01:17:48

Tool Information

Drill Pipe:	Length: 3488.00 ft	Diameter: 3.80 inches	Volume: 48.93 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 49.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3628.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	53.00 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			3608.00	
Shut In Tool	5.00			3613.00	
Hydraulic tool	5.00			3618.00	
Packer	5.00			3623.00	21.00 Bottom Of Top Packer
Packer	5.00			3628.00	
Stubb	1.00			3629.00	
Perforations	3.00			3632.00	
Recorder	0.00	8366	Inside	3632.00	
Recorder	0.00	8289	Outside	3632.00	
Perforations	25.00			3657.00	
Bullnose	3.00			3660.00	32.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**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 #4-2

Job Ticket: 48715

DST#: 5

ATTN: Richard Bell

Test Start: 2012.10.26 @ 01:17:48

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: 80.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	OCM-10%O-90%M	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

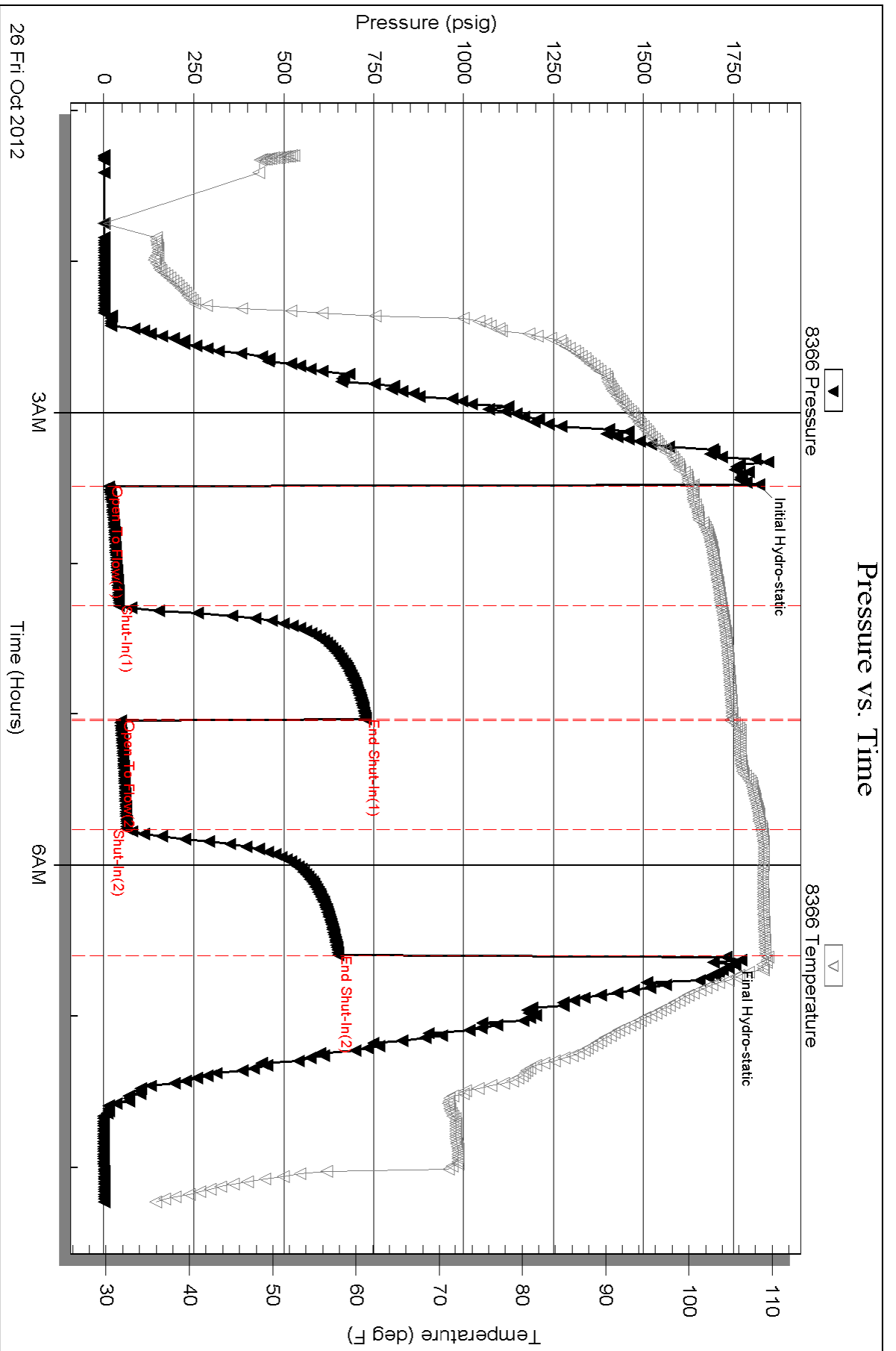
Num Gas Bombs: 0

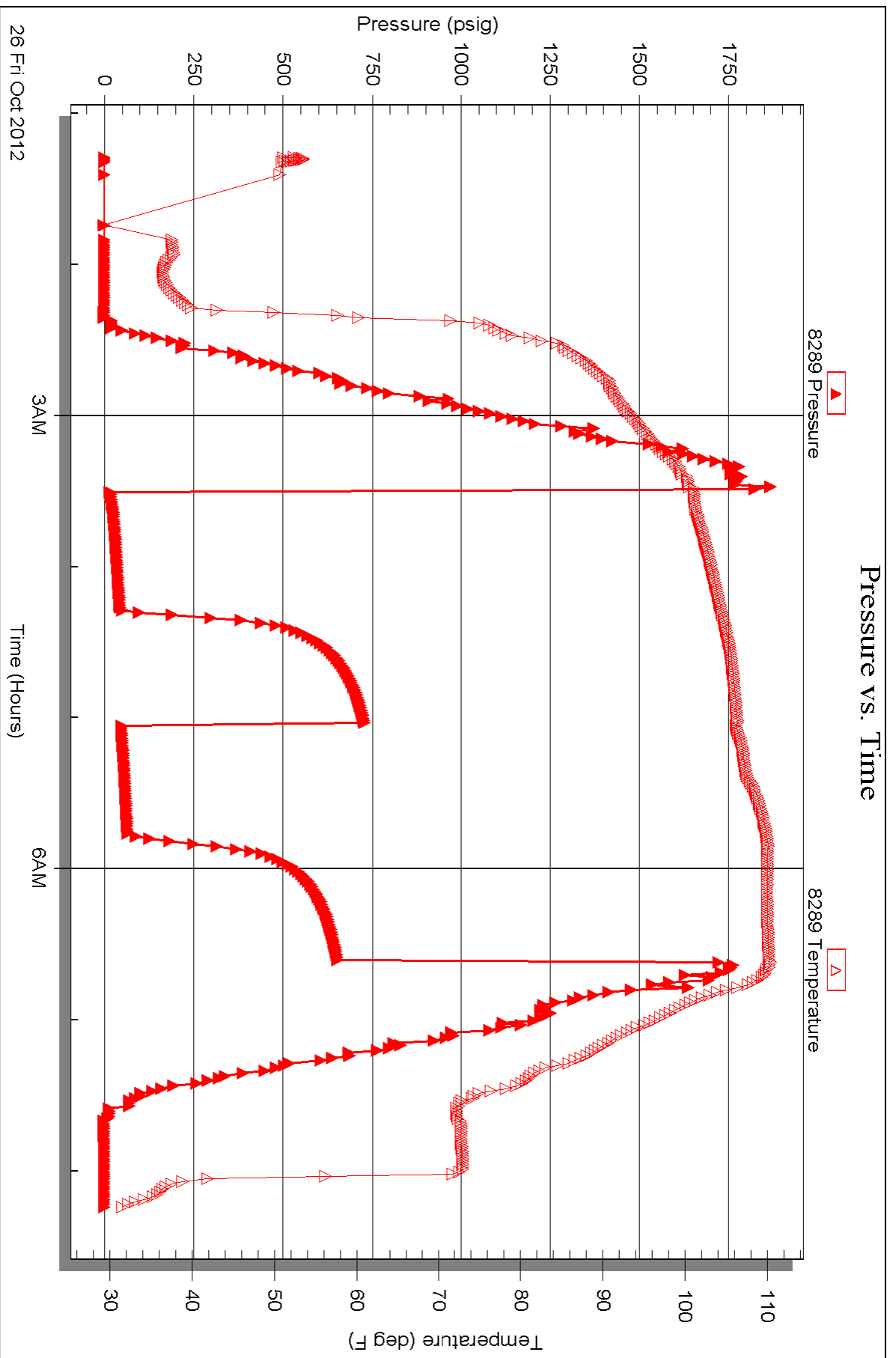
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48711

4/10

Well Name & No. Quinn #4-2 Test No. 1 Date 10-23-12
 Company Baird Oil Company, LLC Elevation 2257 KB 2252 GL
 Address PO Box 428, Logan, KS. 67646
 Co. Rep / Geo. Richard Bell Rig WW #8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3484-3504 Zone Tested A
 Anchor Length 20' Drill Pipe Run 3360 Mud Wt. 9.0
 Top Packer Depth 3479 Drill Collars Run 123 Vis 80
 Bottom Packer Depth 3484 Wt. Pipe Run 0 WL 8.0
 Total Depth 3504 Chlorides 1900 ppm System LCM 2[#]
 Blow Description IFP - Weak Surface Blow, Died in 12 min.
ISI - Dead
FFP - Dead
FST - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>SOCM</u>	<u>10</u>		<u>90</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 10 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1740 Test 1150 T-On Location 22:21
 (B) First Initial Flow 10 Jars _____ T-Started 23:04
 (C) First Final Flow 13 Safety Joint _____ T-Open 24:27
 (D) Initial Shut-In 71 Circ Sub _____ T-Pulled 2:27
 (E) Second Initial Flow 14 Hourly Standby _____ T-Out 4:01
 (F) Second Final Flow 14 Mileage 144 rt 223.20 Comments _____
 (G) Final Shut-In 44 Sampler _____
 (H) Final Hydrostatic 1698 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1273.20
 Sub Total 1273.20
 Sub Total 0
 Total 1273.20
 MP/DST Disc't _____

Approved By _____ Our Representative Jason McLeon Thank you

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. 48712

4/10

Well Name & No. Quinn #4-2 Test No. 2 Date 10-24-12
 Company Baird Oil Company, LLC Elevation 2257 KB 2252 GL
 Address PO Box 428, Logan, Ks. 67646
 Co. Rep / Geo. Richard Bell Rig Ww#8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State Ks

Interval Tested 3510 - 3532 Zone Tested 'C'
 Anchor Length 22' Drill Pipe Run 3392 Mud Wt. 9.0
 Top Packer Depth 3505 Drill Collars Run 123 Vis 80
 Bottom Packer Depth 3510 Wt. Pipe Run 0 WL 8.0
 Total Depth 3532 Chlorides 1900 ppm System LCM 2th
 Blow Description TFP - Good Blow, BOB in 9 min.
IST - Surface Blowback up to 4 1/16", Died after 15 min.
FFP - Fair Blow, Built to 7 1/2"
FSD - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>14</u>	<u>Free Oil</u>				
<u>470</u>	<u>VSOCM</u>		<u>1</u>	<u>89</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 484 BHT 117° Gravity 30 API RW .199 @ 55 °F Chlorides 44,000 ppm

(A) Initial Hydrostatic <u>1750</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>9:12</u>
(B) First Initial Flow <u>38</u>	<input type="checkbox"/> Jars	T-Started <u>9:14</u>
(C) First Final Flow <u>176</u>	<input type="checkbox"/> Safety Joint	T-Open <u>11:09</u>
(D) Initial Shut-In <u>694</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>13:39</u>
(E) Second Initial Flow <u>183</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:45</u>
(F) Second Final Flow <u>247</u>	<input checked="" type="checkbox"/> Mileage <u>223.20</u>	Comments
(G) Final Shut-In <u>623</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1708</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1373.20</u>
	Sub Total <u>1373.20</u>	MP/DST Disc't

Approved By _____ Our Representative Jason McLenon Thank you

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48713

4/10

Well Name & No. Quinn # 4-2 Test No. 3 Date 10-24-12
 Company Baird Oil Company, LLC Elevation 2257 KB 2252 GL
 Address PO Box 428, Logan, KS. 67646
 Co. Rep / Geo. Richard Bell Rig WW#8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3531-3548 Zone Tested 'D'
 Anchor Length 17 Drill Pipe Run 3392 Mud Wt. 9.3
 Top Packer Depth 3526 Drill Collars Run 123 Vis 55
 Bottom Packer Depth 3531 Wt. Pipe Run 0 WL 6.8
 Total Depth 3548 Chlorides 2,700 ppm System LCM 1 1/2 #
 Blow Description IIFP- Strong, BOB in 3 min
ISI- Dead
FFP- Strong, BOB in 3 min.
FSI- Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>1290</u>	<u>Muddy Water</u>		<u>95</u>	<u>5</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 1290 BHT 118° Gravity _____ API RW 230 @ 49 °F Chlorides 41,000 ppm

(A) Initial Hydrostatic <u>1762</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>21:03</u>
(B) First Initial Flow <u>39</u>	<input type="checkbox"/> Jars _____	T-Started <u>21:05</u>
(C) First Final Flow <u>259</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>22:49</u>
(D) Initial Shut-In <u>913</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1:04</u>
(E) Second Initial Flow <u>267</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>3:24</u>
(F) Second Final Flow <u>652</u>	<input checked="" type="checkbox"/> Mileage <u>223.20</u>	Comments _____
(G) Final Shut-In <u>907</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1676</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1373.20</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1373.20</u>	

Approved By _____ Our Representative _____

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48714

4/10

Well Name & No. Quinn #4-2 Test No. 4 Date 10-25-12
 Company Baird Oil Company, LLC Elevation 2257 KB 2252 GL
 Address PO Box 428, Logan, KS. 67646
 Co. Rep / Geo. Richard Bell Rig WW#8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3548-3572 Zone Tested E-F
 Anchor Length 24' Drill Pipe Run 3425 Mud Wt. 9.3
 Top Packer Depth 3543 Drill Collars Run 123 Vis 55
 Bottom Packer Depth 3548 Wt. Pipe Run 0 WL 6.8
 Total Depth 3572 Chlorides 2700 ppm System LCM 1 1/2"
 Blow Description IFP- Strong, BOB in 4 1/2 min
ISI- Blowback Built to 2 1/2"
FFP- Strong, BOB in 4 min
FSI- Blowback Built to 2 3/4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>140'</u>	<u>Free Oil</u>				
<u>180'</u>	<u>GOCWM</u>	<u>15</u>	<u>10</u>	<u>25</u>	<u>50</u>
<u>420'</u>	<u>Muddy Water</u>			<u>95</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>280' Gas In Pipe</u>	%gas	%oil	%water	%mud
Rec Total <u>740</u>	BHT	Gravity <u>35</u>	API RW <u>221 @ 51° F</u>	Chlorides <u>41,000</u>	ppm

(A) Initial Hydrostatic Test 1150 T-On Location 8:58
 (B) First Initial Flow Jars T-Started 9:10
 (C) First Final Flow Safety Joint T-Open 10:42
 (D) Initial Shut-In Circ Sub T-Pulled 13:12
 (E) Second Initial Flow Hourly Standby T-Out 15:44
 (F) Second Final Flow Mileage 223.20 Comments
 (G) Final Shut-In Sampler
 (H) Final Hydrostatic Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 15 Sub Total 0
 Initial Shut-In 45 Total 1373.20
 Final Flow 45 MP/DST Disc't
 Final Shut-In 45 Sub Total 1373.20

Approved By _____ Our Representative Jason McLenon Thank You

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48715

4/10

Well Name & No. Quinn #4-2 Test No. 5 Date 10-26-12
 Company Baird Oil Company, LLC Elevation 2257 KB 2252 GL
 Address PO Box 428, Logan, KS. 67646
 Co. Rep / Geo. Richard Bell Rig WW#8
 Location: Sec. 2 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3628-3660 Zone Tested I-J
 Anchor Length 32' Drill Pipe Run 3488 Mud Wt. 9.3
 Top Packer Depth 3623 Drill Collars Run 123 Vis 55
 Bottom Packer Depth 3628 Wt. Pipe Run 0 WL 6.8
 Total Depth 3660 Chlorides 2700 ppm System LCM 1 1/2
 Blow Description IIFP - Weak Blow, Built to 3"
ISI - Dead
FFP - Weak Surface Blow, lasted throughout
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>OCM</u>	<u>10</u>		<u>90</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 70 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1820 Test 1150 T-On Location 1:07
 (B) First Initial Flow 14 Jars _____ T-Started 1:15
 (C) First Final Flow 42 Safety Joint _____ T-Open 3:28
 (D) Initial Shut-In 727 Circ Sub _____ T-Pulled 6:28
 (E) Second Initial Flow 47 Hourly Standby _____ T-Out 8:14
 (F) Second Final Flow 64 Mileage 223.20 Comments _____
 (G) Final Shut-In 651 Sampler _____
 (H) Final Hydrostatic 1730 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

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

Sub Total 1373.20

MP/DST Disc't _____

Approved By _____ Our Representative _____

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