

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

6/8/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32819
 Name: Baird Oil Company, LLC
 Address 1: PO Box 428
 Address 2: _____
 City: Logan State: KS Zip: 67646 + _____
 Contact Person: Jim R. Baird
 Phone: (785) 689-7456
 CONTRACTOR: License # 33575
 Name: WW Drilling, LLC
 Wellsite Geologist: Richard Bell
 Purchaser: Coffeyville Resources
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
 (Core, WSW, Expl., Cathodic, etc.)

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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: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
March 5, 2010 March 11, 2010 March 29, 2010
 Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 065-23628-0000
 Spot Description: 2130' FSL & 1140' FWL
 NE NW SW Sec. 18 Twp. 7 S. R. 23 East West
2130 2122 Feet from North / South Line of Section
1140 405' Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Graham
 Lease Name: Fountain Well #: 2-18
 Field Name: JAB West
 Producing Formation: N/A
 Elevation: Ground: 2360 Kelly Bushing: 2365
 Total Depth: 3889 Plug Back Total Depth: 2100
 Amount of Surface Pipe Set and Cemented at: 207 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: _____ Feet
 If Alternate II completion, cement circulated from: 2100
 feet depth to: surface w/ 300 sx cmt.

Drilling Fluid Management Plan SWDN 6/18/10
 (Data must be collected from the Reserve Pit)
 Chloride content: 1900 ppm Fluid volume: 500 bbls
 Dewatering method used: Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.


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.

Signature: [Signature]
 Title: President Date: _____
 Subscribed and sworn to before me this 7th day of JUNE,
20 10.
 Notary Public: Robert B Hartman
 Date Commission Expires: 3/29/11

KCC Office Use ONLY

Letter of Confidentiality Received 6/8/10
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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KANSAS CORPORATION COMMISSION
JUN 11 2010

 **ROBERT B. HARTMAN**
 State of Kansas
 My Appt. Exp. 3/29/11

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Baird Oil Company, LLC

Lease Name: Fountain

Well #: 2-18

Sec. 18 Twp. 7 S. R. 23 East West

County: Graham

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	2081	+284
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3415	-1050
List All E. Logs Run:		Heebner	3618	-1253
RAG		Toronto	3642	-1277
		Lansing	3659	-1294
		BKC	3861	-1496
		TD	3889	-1524

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24 lbs/ft	207'	Standard	150	3%cc, 2%gel
Production	7 7/8"	5 1/2"	14 lbs/ft	2100'	60/40 Poz	300	SMD 3/4# flocele

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
1	1795-1845		
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		JUN 11 2010	
		CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>1774</u>	Packer At: <u>1770</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. May 4, 2010	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
3/5/2010	17533

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

- Acidizing
- Cement
- Tool Rental

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TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-18	Fountain	Graham	WW Drilling #8	Oil	Development	Surface	Dave

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	5.00	350.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	1	Job	750.00	750.00
290	D-Air	1	Gallon(s)	35.00	35.00
325	Standard Cement	150	Sacks	11.00	1,650.00
278	Calcium Chloride	4	Sack(s)	35.00	140.00
279	Bentonite Gel	3	Sack(s)	20.00	60.00
581D	Service Charge Cement	150	Sacks	1.50	225.00
583D	Drayage	515.2	Ton Miles	1.00	515.20
	Subtotal				3,725.20

R3/10/2010
P3/10/2010
Four Unit 190402 3725.20
Fountain 2-18 - Pump Charge,
Cement & other misc used to
cement surface casing

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CONSERVATION DIVISION
WICHITA, KS

3/10/2010
C#19538

We Appreciate Your Business!

Total

\$3,725.20



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

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TICKET
 17533

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>HAYS</u>	WELL/PROJECT NO. <u>2-18</u>	LEASE <u>FOUNTAIN</u>	COUNTY/PARISH <u>GRAHAM</u>	STATE <u>KS</u>	CITY	DATE <u>03-05-10</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>WW JLG #8</u>	SHIPPED VIA <u>C.T.</u>	DELIVERED TO <u>NW HLCITY</u>	ORDER NO.	
3.	WELL TYPE <u>OK</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>SURFACE</u>	WELL PERMIT NO. <u>15-065-23628</u>	WELL LOCATION <u>S18, T7, R23</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE #112	70	MI			5.00	350	00
576s		1			PUMP SERVICE	1	EA			750.00	750	00
290		1			D-AIR	1	KAL			35.00	35	00
325		2			STDCMT	150	SH			11.00	1650	00
278		2			CALCIUM CHLORIDE	4	SH			35.00	140	00
279		2			GEL	3	SH			20.00	60	00
581		2			SERVICE CHG CMT	150	SH			1.50	225	00
583		2			DRAINAGE	515.2	7M			1.00	515	00

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 CONSERVATION DIVISION
 WICHITA, KS

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

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

X
 DATE SIGNED 03-05-10 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	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO		
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	3725.00
TOTAL	3725.20

SWD for TAX
 /ynj. Well

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

OPERATOR DAVIDSON APPROVAL

Thank You!

CUSTOMER BAMRO DL WELL NO. 2-18 LEASE FOUNTAIN JOB TYPE SURFACE TICKET NO. 17533

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							ON LOCATION CMT: 150 SHS STD 2 1/2 SEL, 1 3/4 CC 8 5/8 20' FT 8 5/8 x 1 1/4 HOLE TD 208 SET PER 207
	1725							BREAK CIRC 4/RIG
	1735	4.5	2		✓		100	H2O SPACE
		4.5	36.5		✓		100	CMT
		4.5	0		✓		100	DRIP
			5.0		-		200	CIRC CMT TO PIT 25' 20'
1747			12.5		-		200	END
								KCC JUN 08 2010 CONFIDENTIAL
	1815							JOB COMPLETE
								THANK YOU! DAVE, JOSH, LANE

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CONSERVATION DIVISION
WICHITA, KS

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
3/10/2010	18457

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	#2-18	Fountain	Graham	WW Drilling #8	SWD	Development	LongString	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				70	Miles	5.00	350.00
578D-L	Pump Charge - Long String - 2100 Feet				1	Job	1,400.00	1,400.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00
281	Mud Flush				500	Gallon(s)	1.00	500.00
290	D-Air				3	Gallon(s)	35.00	105.00
402-5	5 1/2" Centralizer				5	Each	55.00	275.00
403-5	5 1/2" Cement Basket				2	Each	180.00	360.00
405-5	5 1/2" Formation Packer Shoe				1	Each	1,250.00	1,250.00
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00
330	Swift Multi-Density Standard (MIDCON II)				300	Sacks	14.00	4,200.00
276	Flocele				75	Lb(s)	1.50	112.50
581D	Service Charge Cement				300	Sacks	1.50	450.00
583D	Drayage				1,026.5	Ton Miles	1.00	1,026.50
	Subtotal							10,304.00

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WICHITA, KS

R3/15/2010
P3/15/2010

FounUnit 190402 10304.00
Fountain 2-18 SWD - Pump charge,
Cement + other misc used to cement
production casing

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JUN 08 2010
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We Appreciate Your Business!

Total

\$10,304.00



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

TICKET
18457

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PAGE 1 OF 1

SERVICE LOCATIONS: Hays, Ks
Ness City Ks

WELL/PROJECT NO. #2-18 LEASE Fountain COUNTY/PARISH Graham STATE KS CITY
 DATE 3-10-10 OWNER Sq. M. e.

TICKET TYPE SERVICE SALES CONTRACTOR WPK #8 RIG NAME/NO. SHIPPED VIA CT DELIVERED TO Location ORDER NO.

WELL TYPE SWD WELL CATEGORY Development JOB PURPOSE Longstring WELL PERMIT NO. WELL LOCATION

REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	70	mi			5 ⁰⁰	350 ⁰⁰
578		1			Pump Charge (Longstring)	1	ea	2100		1400 ⁰⁰	1400 ⁰⁰
281		1			KCL	2	gal			25 ⁰⁰	50 ⁰⁰
281		1			Mud Flush	500	gal			1 ⁰⁰	500 ⁰⁰
290		1			D-Air	3	gal			35 ⁰⁰	105 ⁰⁰
402		1			Centralizers	5	ea			55 ⁰⁰	275 ⁰⁰
403		1			Basket	2	ea			180 ⁰⁰	360 ⁰⁰
405		1			Formation Packer Shoe	1	ea			1250 ⁰⁰	1250 ⁰⁰
406		1			LD Plug & Baffle	1	ea			225 ⁰⁰	225 ⁰⁰

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 CONSERVATION DIVISION
 WICHITA, KS

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

[Signature]
 SIGNED 3-11-10 TIME SIGNED 0015 A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 1 4515⁰⁰
 Page 2 5789⁰⁰
 subtotal 10304⁰⁰
 SWD d/or TAX for Well
 TOTAL 10,304⁰⁰



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

TICKET CONTINUATION

TICKET No. **18457**

CUSTOMER *Baird Oil Co.* WELL *#2-18 Fountain* DATE *3-10-10* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT	
		LOG	ACCT	DF			QTY.	U/M	QTY.	U/M			
<i>330</i>		<i>2</i>											
<i>276</i>		<i>2</i>				<i>SMD Cement</i>	<i>300</i>	<i>skts</i>			<i>14.00</i>	<i>4200.00</i>	
						<i>Flocele</i>	<i>75</i>	<i>#</i>			<i>1.50</i>	<i>112.50</i>	
<p>KCC JUN 08 2010 CONFIDENTIAL</p>													
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<i>581</i>		<i>2</i>				SERVICE CHARGE							
<i>83</i>		<i>2</i>					<i>300</i>	<i>skts</i>			<i>1.50</i>	<i>450.00</i>	
						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	CUBIC FEET				
							<i>29328</i>	<i>70</i>	TON MILES	<i>1026.50</i>	<i>1.00</i>	<i>1026.50</i>	

CONTINUATION TOTAL *5789.00*

SWIFT Services, Inc.

DATE 3-10-10 PAGE NO. 1

OWNER *Sand Oil Co.* WELL NO. *2-18* LEASE *Fountain* JOB TYPE *Longstring* TICKET NO. *18457*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2200							on loc w/FE
								RTD 3890'
								5 1/2" x 14# x 2100' x 42'
	2110							Start FE
	2220							Break Circ Set Pkr Shoe
	2310	2.5	7					Plug RH 25sks SMD
	2315	0.4	0					150 Start Preflush 500gal Mud Flush
		4	12/0					150 Start KCL Flush 20661
		5.5	20/0					175 Start L Cnt 75sks SMD @ 11.2 #
		5.5	42/0					175 raiseweight 100sks SMD @ 12.5 #
		5.5	38/0					175 raiseweight 50sks SMD @ 13.2 #
		5.5	17/0					raiseweight 50sks SMD @ 14.5 #
	2345		13					End Cement Drop LD Plug Wash P/L
	2350	6	0					100 Start Displacement
		5	41					150 Circ Cement
	0000		50					650/1500 Land Plug Release Pressure LD Plug Held

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WICHITA, KS

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Nick F...
Josh F...

Circ 25 sks to pit

Thank you

Nick, Josh F & Russ



DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Richard Bell

18 7S 23W Graham KS

Fountin #2-18

Start Date: 2010.03.08 @ 20:24:04

End Date: 2010.03.09 @ 01:16:04

Job Ticket #: 38050 DST #: 1

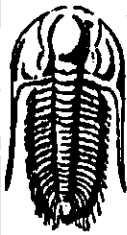
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JUN 11 2010

CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

Fountin #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

ATTN: Richard Bell

Job Ticket: 38050

DST#: 1

Test Start: 2010.03.08 @ 20:24:04

GENERAL INFORMATION:

Formation: LKC "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:44:04

Time Test Ended: 01:16:04

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 42

Interval: 3680.00 ft (KB) To 3696.00 ft (KB) (TVD)

Total Depth: 3696.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2365.00 ft (KB)

2360.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365

Outside

Press@RunDepth: 25.60 psig @ 3681.00 ft (KB)

Start Date: 2010.03.08

End Date: 2010.03.09

Start Time: 20:24:09

End Time: 01:16:03

Capacity: 8000.00 psig

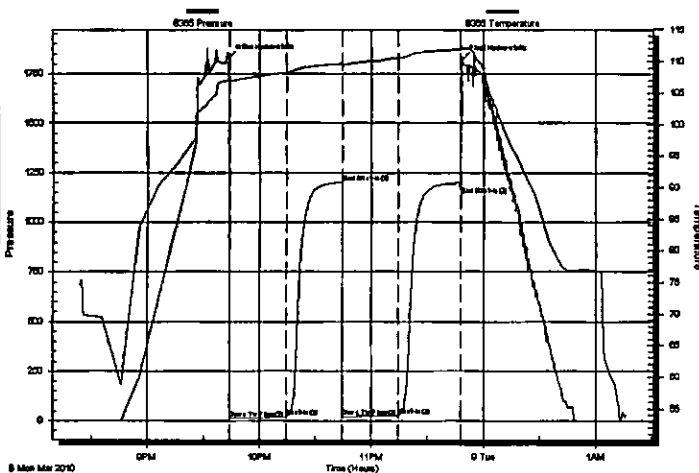
Last Calib.: 2010.03.09

Time On Btm: 2010.03.08 @ 21:43:34

Time Off Btm: 2010.03.08 @ 23:48:34

TEST COMMENT: IFP- Weak blow built to 1/2 in
ISI-Dead no blow back
FFP-Weak blow built to 1/8 in
FSI- Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.93	107.25	Initial Hydro-static
1	10.51	106.50	Open To Flow (1)
31	18.51	108.29	Shut-in(1)
61	1198.42	109.68	End Shut-in(1)
61	20.29	109.35	Open To Flow (2)
91	25.60	110.54	Shut-in(2)
124	1137.81	111.85	End Shut-in(2)
125	1826.08	111.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCM5%O95%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

Fountain #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

Job Ticket: 38050

DST#: 1

ATTN: Richard Bell

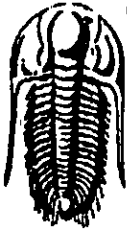
Test Start: 2010.03.08 @ 20:24:04

Tool Information

Drill Pipe:	Length: 3571.00 ft	Diameter: 3.80 inches	Volume: 50.09 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 50.69 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3680.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	37.00 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			3660.00	
Shut In Tool	5.00			3665.00	
Hydraulic tool	5.00			3670.00	
Packer	5.00			3675.00	21.00 Bottom Of Top Packer
Packer	5.00			3680.00	
Stubb	1.00			3681.00	
Recorder	0.00	6625	Inside	3681.00	
Recorder	0.00	8365	Outside	3681.00	
Perforations	12.00			3693.00	
Bullnose	3.00			3696.00	16.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Fountain #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

Job Ticket: 38050 **DST#: 1**

ATTN: Richard Bell

Test Start: 2010.03.08 @ 20:24:04

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

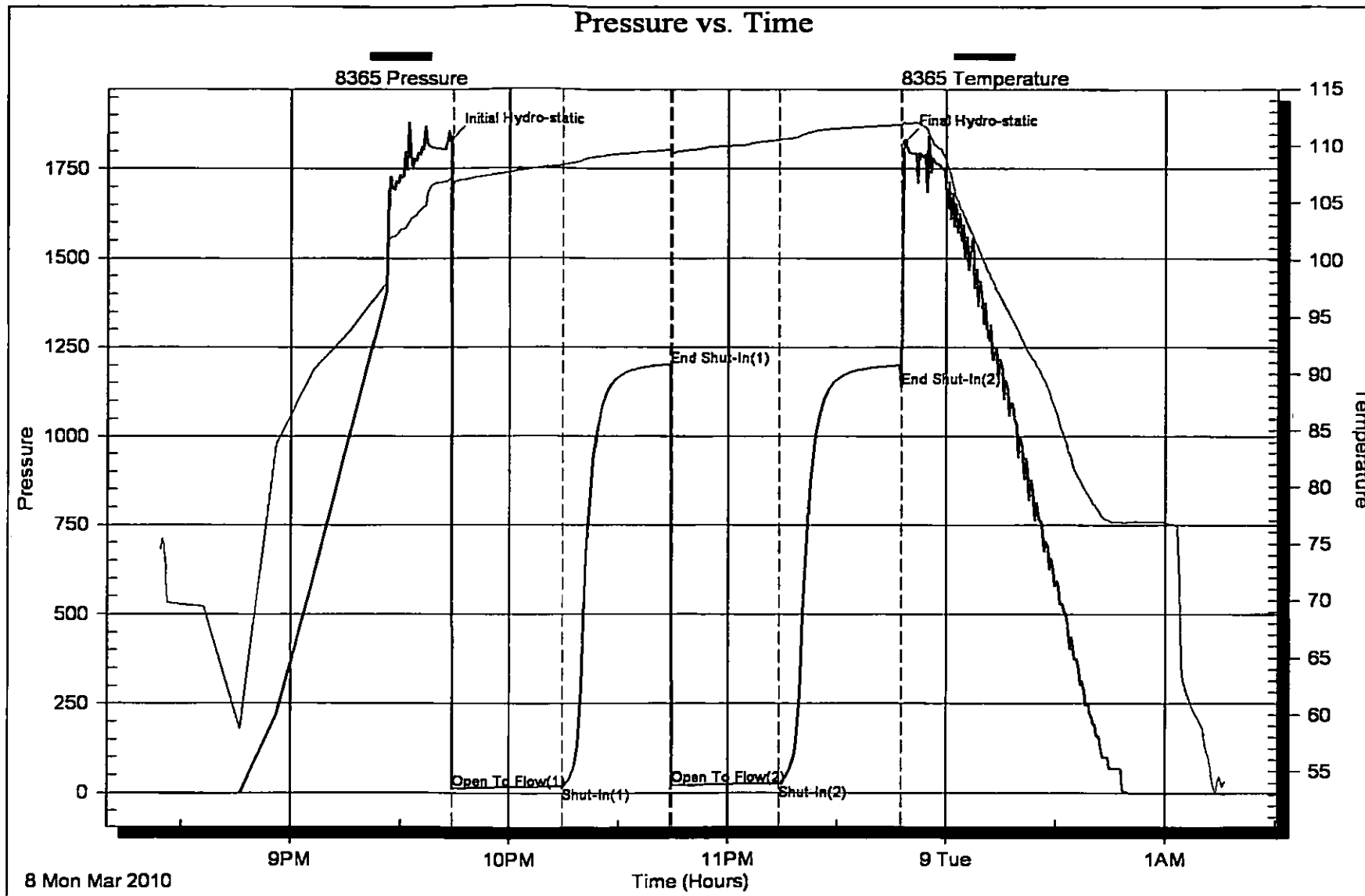
Length ft	Description	Volume bbl
10.00	VSOCM5%O95%M	0.049

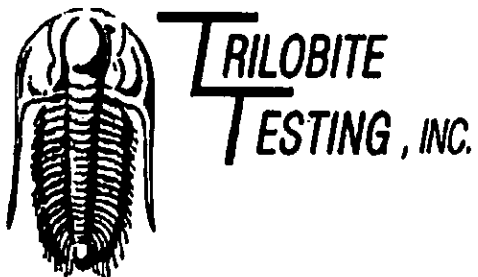
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Richard Bell

18 7S 23W Graham KS

Fountain #2-18

Start Date: 2010.03.09 @ 09:13:04

End Date: 2010.03.09 @ 14:30:34

Job Ticket #: 38476 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

Fountin #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

ATTN: Richard Bell

Job Ticket: 38476 **DST#: 2**

Test Start: 2010.03.09 @ 09:13:04

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: **10:39:34**

Time Test Ended: **14:30:34**

Test Type: **Conventional Bottom Hole**

Tester: **Jeff Brown**

Unit No: **42**

Interval: **3717.00 ft (KB) To 3740.00 ft (KB) (TVD)**

Total Depth: **3740.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2365.00 ft (KB)**

2360.00 ft (CF)

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

Serial #: 6625

Inside

Press@RunDepth: **138.53 psig @ 3718.00 ft (KB)**

Start Date: **2010.03.09**

End Date: **2010.03.09**

Start Time: **09:13:09**

End Time: **14:30:33**

Capacity: **8000.00 psig**

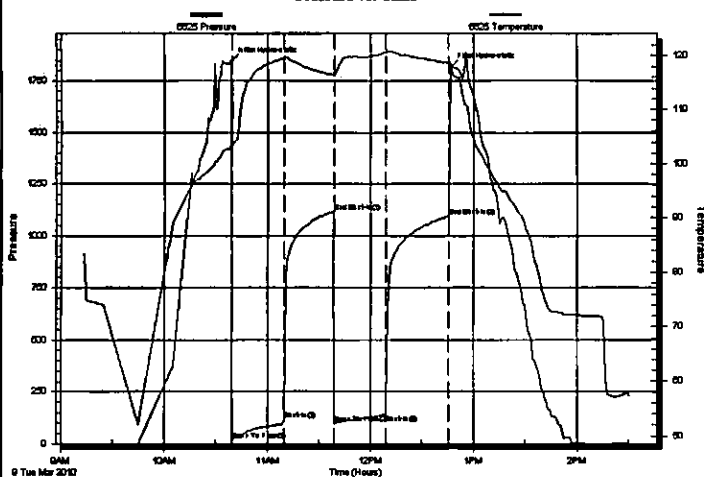
Last Calib.: **2010.03.09**

Time On Btm: **2010.03.09 @ 10:39:04**

Time Off Btm: **2010.03.09 @ 12:46:34**

TEST COMMENT: IFP-Fair blow Bob in 26 min
ISI-Dead no blow back
FFP-Fair blow built to 9 in
FSI-dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

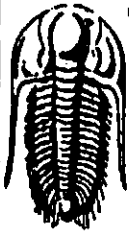
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1845.13	103.49	Initial Hydro-static
1	18.62	103.25	Open To Flow (1)
31	116.83	119.47	Shut-In(1)
60	1115.79	116.40	End Shut-In(1)
60	97.19	116.16	Open To Flow (2)
90	138.53	120.46	Shut-In(2)
127	1091.99	118.65	End Shut-In(2)
128	1816.65	118.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WM15%W85%M	0.07
252.00	MW20%M80%W	2.55

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

Fountin #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

Job Ticket: 38476

DST#: 2

ATTN: Richard Bell

Test Start: 2010.03.09 @ 09:13:04

Tool Information

Drill Pipe:	Length: 3602.00 ft	Diameter: 3.80 inches	Volume: 50.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 51.13 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3717.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3697.00	
Shut In Tool	5.00			3702.00	
Hydraulic tool	5.00			3707.00	
Packer	5.00			3712.00	21.00 Bottom Of Top Packer
Packer	5.00			3717.00	
Stubb	1.00			3718.00	
Recorder	0.00	6625	Inside	3718.00	
Recorder	0.00	8365	Outside	3718.00	
Perforations	19.00			3737.00	
Bullnose	3.00			3740.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Fountin #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

Job Ticket: 38476 DST#: 2

ATTN: Richard Bell

Test Start: 2010.03.09 @ 09:13:04

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:	22000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.37 in ⁹	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

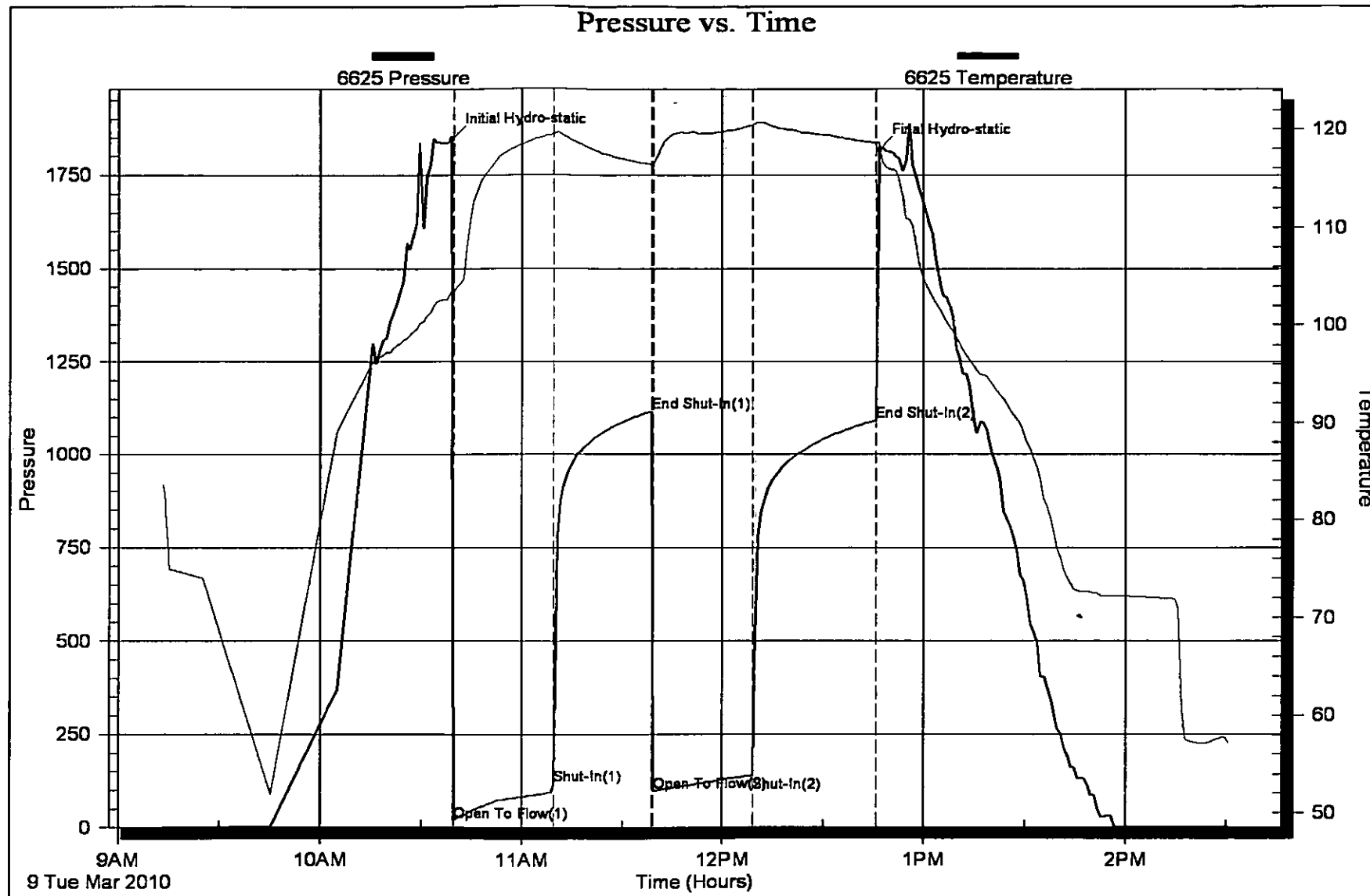
Length ft	Description	Volume bbl
15.00	WM15%W85%M	0.074
252.00	MM20%MB0%W	2.551

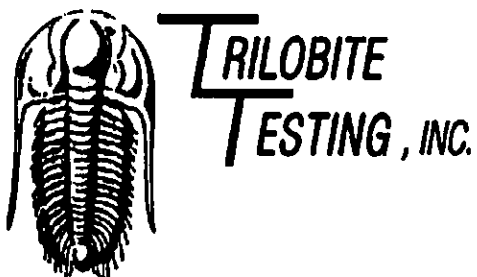
Total Length: 267.00 ft Total Volume: 2.625 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .156 @ 50F = 22000 ppm chlorides





DRILL STEM TEST REPORT

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

PO Box 428
Logan KS 67646

ATTN: Richard Bell

18 7S 23W Graham KS

Fountin #2-18

Start Date: 2010.03.09 @ 21:22:20

End Date: 2010.03.10 @ 03:55:50

Job Ticket #: 38477 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

PO Box 428
Logan KS 67646

ATTN: Richard Bell

Fountain #2-18

18 7S 23W Graham KS

Job Ticket: 38477

DST#: 3

Test Start: 2010.03.09 @ 21:22:20

GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: **23:31:20**

Time Test Ended: **03:55:50**

Test Type: **Conventional Bottom Hole**

Tester: **Jeff Brown**

Unit No: **42**

Interval: **3795.00 ft (KB) To 3825.00 ft (KB) (TVD)**

Total Depth: **3825.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2365.00 ft (KB)**

2360.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: **17.99 psig @ 3796.00 ft (KB)**

Start Date: **2010.03.09**

End Date:

2010.03.10

Start Time: **21:22:25**

End Time:

03:55:49

Capacity: **8000.00 psig**

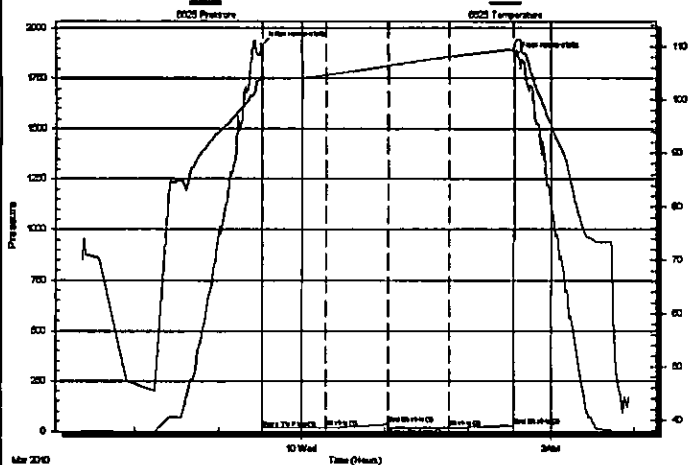
Last Calib.: **2010.03.10**

Time On Btm: **2010.03.09 @ 23:30:50**

Time Off Btm: **2010.03.10 @ 02:33:49**

TEST COMMENT: IFF-Weak blow built to 1 1/8 in
ISI-Dead no blow back
FFP-Dead no blow
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

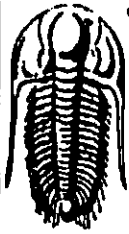
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.23	104.36	Initial Hydro-static
1	13.41	103.79	Open To Flow (1)
47	16.37	104.59	Shut-In(1)
91	36.34	106.35	End Shut-In(1)
92	17.02	106.36	Open To Flow (2)
136	17.99	108.09	Shut-In(2)
182	27.77	109.56	End Shut-In(2)
183	1861.83	110.37	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Fountain #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

Job Ticket: 38477

DST#: 3

ATTN: Richard Bell

Test Start: 2010.03.09 @ 21:22:20

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

Fountin #2-18

PO Box 428
Logan KS 67646

18 7S 23W Graham KS

Job Ticket: 38477

DST#: 3

ATTN: Richard Bell

Test Start: 2010.03.09 @ 21:22:20

Tool Information

Drill Pipe:	Length: 3662.00 ft	Diameter: 3.80 inches	Volume: 51.37 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
		Total Volume: 51.97 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3795.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 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			3775.00	
Shut In Tool	5.00			3780.00	
Hydraulic tool	5.00			3785.00	
Packer	5.00			3790.00	21.00 Bottom Of Top Packer
Packer	5.00			3795.00	
Stubb	1.00			3796.00	
Recorder	0.00	6625	Inside	3796.00	
Recorder	0.00	8365	Outside	3796.00	
Perforations	26.00			3822.00	
Bullnose	3.00			3825.00	30.00 Bottom Packers & Anchor
Total Tool Length:	51.00				

