

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

8/27/12

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.)

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.: _____

July 27, 2010 August 3, 2010 August 18, 2010

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

API No. 15 - 137-20521-00-00

Spot Description: _____

SW SE SW NE Sec. 6 Twp. 4 S. R. 21 ☐ East ☒ West

2520 Feet from ☒ North / ☐ South Line of Section

1970 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☒ NE ☐ NW ☐ SE ☐ SW

County: Norton

Lease Name: Schemper-Kats Unit Well #: 2-6

Field Name: Wildcat

Producing Formation: Lansing/Kansas City

Elevation: Ground: 2335 Kelly Bushing: 2340

Total Depth: 3847 Plug Back Total Depth: 3815

Amount of Surface Pipe Set and Cemented at: 262 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set: 2040 Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Att II NY 9810
(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: Robert B. Hartman

Title: President Date: 8/26/10

Subscribed and sworn to before me this 20th day of August

20 11

Notary Public: Robert B. Hartman

Date Commission Expires: 3/29/211

KCC Office Use ONLY

Y Letter of Confidentiality Received 8/27/10 - 8/27/12
☐ If Denied, Yes ☐ Date: _____
☒ Wireline Log Received
☒ Geologist Report Received
☐ UIC Distribution

RECEIVED

AUG 30 2010

KCC WICHITA



Operator Name: Baird Oil Company LLCLease Name: Schemper-Kats UnitWell #: 2-6 **AUG 27 2010**Sec. 6 Twp. 4 S. R. 21 ☐ East ☒ WestCounty: Norton**CONFIDENTIAL**

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 ☒ Yes ☐ No
 (Attach Additional Sheets)

 Samples Sent to Geological Survey ☐ Yes ☒ No

 Cores Taken ☐ Yes ☒ No

 Electric Log Run ☒ Yes ☐ No
 (Submit Copy)

List All E. Logs Run:

RAG & MICRO
☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	2005	+335
Topeka	3335	-995
Heebner	3536	-1196
Toronto	3563	-1223
Lansing	3580	-1240
BKC	3764	-1424
Pre-Cambrian	3823	-1483

CASING RECORD ☒ New ☐ 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	262	Standard	165	3%cc,2%gel
Production	7 7/8"	5 1/2"	14	3845	60/40 Poz	440	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 (Amount and Kind of Material Used)	Depth
4	3610-3614	300 gallons 15% MCA	
4	3627-3632	300 gallons 15% MCA	
4	3642-3644	300 gallons 15% MCA	
4	3648-3652	300 gallons 15% MCA	

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>3805</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>August 20, 2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>80</u>	Gas Mcf	Water Bbls. <u>none</u>
			Gas-Oil Ratio <u>31</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)		METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____		PRODUCTION INTERVAL: _____ _____
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

RECEIVED**AUG 30 2010****KCC WICHITA**



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



Invoice

DATE	INVOICE #
8/10/2010	18054

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	#2-6	Schemper-Ka...	Norton	Quality Plus Oilfie...	Oil	Development	Cement Port Collar	Dave
PRICE REF.		DESCRIPTION			QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way			75	Miles	5.00	375.00	
576D-D	Pump Charge - Port Collar			1	Job	1,100.00	1,100.00	
290	D-Air			2	Gallon(s)	35.00	70.00	
330	Swift Multi-Density Standard (MIDCON II)			200	Sacks	15.00	3,000.00	
276	Flocele			50	Lb(s)	1.50	75.00	
581D	Service Charge Cement			200	Sacks	1.50	300.00	
583D	Drayage			748.88	Ton Miles	1.00	748.88	
100	Mileage - Tool Man			75	Miles	2.00	150.00	
105	5 1/2" Port Collar Tool Rental With Man			1	Each	300.00	300.00	
Subtotal								6,118.88
<p>128/16/2010</p> <p>98/16/2010</p> <p>Schemper 190402 5668.88</p> <p>Schemper/Kats Unit 2-6 - Pump Charge, Cement & other misc expenses used to cement port collar</p> <p>Schemper 190402 450.00</p> <p>Schemper/Kats Unit 2-6 - Rental of port Collar & man when cementing port collar</p>								
<p>AUG 27 2010</p> <p>CONFIDENTIAL</p> <p>8/16/2010</p> <p>CK#10084</p>								

AUG 27 2010
CONFIDENTIAL

8/16/2010
CK#10084

We Appreciate Your Business!

Total RECEIVED \$6,118.88

AUG 30 2010

KCC WICHITA



CHARGE TO: BAIAN DIL

ADDRESS _____

CITY, STATE, ZIP CODE _____

AUG 27 2010
CONFIDENTIAL

RECEIVED
AUG 31 2010
KCC WICHITA

TICKET
18054

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>HAKS</u>	<u>2-6</u>	<u>SCHEPPER-HAKS UNIT</u>	<u>NORTON</u>	<u>KS</u>		<u>08-10-10</u>	
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	<u>DIL</u>	<u>DeveloP</u>	<u>QUALITY PRO</u>	<u>CT</u>	<u>165th DENSMORE</u>		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
	<u>DIL</u>	<u>DeveloP</u>	<u>CMT: PORT COLLAR</u>				
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE #112	25	mi	5	00	275 00
576		1			Pump SERVICE	1	EA	1100	00	1100 00
290		1			AIR	2	VAL	35	00	70 00
330		2			SINO CEMENT	200	SY	15	00	3000 00
276		2			FLOCELE	50	LB	1	50	75 00
581		2			SERVICE CHG CMT	200	SY	1	50	300 00
583		2			DRAVAGE	748.88	Tm	1	00	748 88
100		1			MILEAGE #426 Pickup	25	mi	2	00	150 00
125		1			PORT COLLAR TOOL RENTAL	1	EA	5 1/2	00	300 00

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

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

DATE SIGNED 08-10-10 TIME SIGNED 0745 ☒ 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	PAGE TOTAL	6118
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					3478 88
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	6118 88

SND d/or TAX 1/yr. Well

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

APPROVAL DAC

APPROVAL

Thank You!

STOMER <i>DAIRO OIL</i>	WELL NO. <i>2-6</i>	LEASE <i>SCHEMPER-WATZ UNIT</i>	JOB TYPE <i>CM7: POBY COLLAR</i>	TICKET NO. <i>18054</i>
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CHART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0745							ONLOCATION CMT: 200 SACKS STD 7/8" FLOCELL 2 3/8 x 5 1/2 PORT CULAR @ 2040"
	0900							START TOOL & TBL
	0915							LOCATE PC
	0920			- ✓		1000	1000	RZ TEST
	0923							OPEN PL
	0925	3.0	4.0	✓		400		FRICTION RATE - GROUND BELOW
	0926	3.0	0	✓		400		START CMT @ 1 1/2" / SAZ 180 S/S
		4.5	7.0	✓		600		CIRC MUD
		4.5	100	✓		700		CIRC CMT , MIX 20% S/S @ 14.0 % SAZ
		4.5	106	✓		700		END CMT TOTAL 200 S/S
		4.0	0	✓		600		START SHIP
	0950	4.0	70	✓		600		END CLOSE PC
	0955			✓	✓	1100	1100	RZ TEST - HOLD RUN IN 5 JOINTS
	1005	3.0	0		✓		250	REBOOT TOTAL CMT 200
		S	8.0		✓		5	1ST FLK CMT TOP IT! 00
			11.0		✓		200	2ND FLK
	1012		20.0		✓		5	ALL CLEAR
	1025							PULL TOOL & TBL WASH UP TRUCK
								AUG 27 2010 CONFIDENTIAL
								JOB COMPLETE THANKYOU! DAVE JOSH B, JOHN
								RECEIVED AUG 30 2010 KCC WICHITA

~~AUG 27 2010~~
~~CONFIDENTIAL~~

JAB COMPLETE

THANK YOU!

DAE JOSH, JOHN

~~RECEIVED~~

~~AUG 30 2010~~

~~KCC WICHITA~~

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
8/2/2010	18051

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	#2-6	Schemper-Ka...	Norton	WW Drilling #8	Oil	Development	LongString	Dave

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	75	Miles	5.00	375.00
578D-L	Pump Charge - Long String	1	Job	1,400.00	1,400.00
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00
290	D-Air	2	Gallon(s)	35.00	70.00
402-5	5 1/2" Centralizer	11	Each	55.00	605.00
403-5	5 1/2" Cement Basket	1	Each	200.00	200.00
404-5	5 1/2" Port Collar	1	Each	1,900.00	1,900.00
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	225.00	225.00
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	275.00	275.00
411-5	5 1/2" Recipo Scratcher	30	Each	45.00	1,350.00
325	Standard Cement	200	Sacks	12.00	2,400.00
326	60/40 Pozmix (2% Gel)	40	Sacks	9.50	380.00
276	Flocele	50	Lb(s)	1.50	75.00
277	Gilsonite (Coal Seal)	480	Lb(s)	0.40	192.00
283	Salt	1,550	Lb(s)	0.15	232.50
285	CFR-1	100	Lb(s)	4.00	400.00
581D	Service Charge Cement	240	Sacks	1.50	360.00
583D	Drayage	910.2	Ton Miles	1.00	910.20
	Subtotal				12,649.70
<p><i>R 8/6/2010</i> <i>P 8/6/2010</i> <i>Schemper 190402 12649.70</i> <i>Schemper/Karts Unit 2-6 - Pump</i> <i>Charge, cement & other misc expenses</i> <i>used to cement production casing</i></p>					
				<i>AUG 27 2010</i>	<i>CONFIDENTIAL</i>

We Appreciate Your Business!

Total RECEIVED \$12,649.70

AUG 30 2010

KCC WICHITA



CHARGE TO: BARDIL
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

RECEIVED
 AUG 30 2010

TICKET
 18051

KCC WICHITA

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>HAYS</u> 2. <u>NESS</u> 3. _____ 4. _____	WELL/PROJECT NO. <u>2-6</u>	LEASE <u>SCHEMPP-MATS UNIT</u>	COUNTY/PARISH <u>NORTON</u>	STATE <u>KS</u>	CITY _____	DATE <u>08-02-10</u>	OWNER _____
	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR _____	RIG NAME/NO. <u>WVWRLC #8</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>16.5 1/2 Wm. Densmore</u>	ORDER NO. _____	
	WELL TYPE <u>O/L</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>LONGSTRING</u>	WELL PERMIT NO. <u>15-137-20521</u>	WELL LOCATION <u>SB.T 4R21</u>		
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	25		M		5.00	375	00
578		1			Pump Service	1		EA		1400.00	1400	00
221		1			LIQUID WCL	2		GAZ		25.00	50	00
280		1			2000 FIDCHECK 21	500		GAZ		2.50	1250	00
290		1			D-AIR	2		GAZ		35.00	70	00
402		1			CENTRALIZER	11		EA	5 1/2 in	55.00	605	00
403		1			BASKET	1		EA	5 1/2 in	200.00	200	00
404		1			PORT COLLAR 2040 FT	1		EA	5 1/2 in	1900.00	1900	00
406		1			LATCH DOWN PLUG & BATTLE	1		EA	5 1/2 in	225.00	225	00
407		1			TRIPLE FLOW SIDE 1/4 IN TO FILL	1		EA	5 1/2 in	275.00	275	00
411		1			REG. SCRATCHERS	30		EA	5 1/2 in	45.00	1350	00

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

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

SIGNED BY: Richard Bell
 DATE SIGNED: 08-02-10
 TIME SIGNED: 2:00
☐ 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	4.1 PAGE TOTAL	7700.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4.2	4949.70
WE UNDERSTOOD AND MET YOUR NEEDS?				SUB	12,649
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TOTAL	12,649.70
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SWD d/or TAX /ynjo Well	
ARE YOU SATISFIED WITH OUR SERVICE?				TOTAL	12,649.70
<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

TOR: Dave
 APPROVAL: _____

Thank You!

4949.70

TONER

ER BARNOL

WELL NO.

2-6

PLEASE

LEASE
SCHEFFER-WATS UNIT

FOR TYPE

1P6
LONGSTRIP6

TICKET NO.

1825,

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/MAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0230							ON LOCATION CMT: 000.00 STD 18" SALT, 1/2" SALT, 1/4" FLO 40.50 60-40 2" SALT, 12" SALT, 60-40 P.D. 3847, P.P. 3845, ST 2083, TOSTER 3824 5 1/2" 14" P.P. Casing out of 39, 2050 FT CENT 1-10, 38, BASIN 38, RECIPRO SCATTERS 30 FT DINGS OUT 85, 86, 87, 88 ON LET 10 JOINTS
	0430							START Casing FLOW
	0435							THE BOTTOM, WIP PAIL
	0435							BREAKING & RECIPRO P.P. 20 FT
	0440		7					PLUG RH 30 SALT 60-40
	0445	5.2	10		✓		200	WELL FLOW
			12		✓			FLOW CHECK 21 SOD LRS
			10		✓			WELL FLOW
			5		-			CMT: LEAD 60-40
			44		-			TAIL STD 4" SALT
								DROP LO PLUG, WASH UNIT A
	0440	6.5	0		-		250	START JIP
			16		-		400	CMT ON BOTTOM
			80		-		600	
			85		-		700	
			90		-		800	
	0445	4.5	234		-		1500	LAND PLUG
	0450							RELEASE - DRY
	0530							JOB COMPLETE
								THANK YOU! DAVE, JOSH, LANE
								RECEIVED AUG 30 2010 KCC WICHITA



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

Invoice

DATE	INVOICE #
7/27/2010	17990

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	#2-6	Schemper-Ka...	Norton	WW Drilling	Oil	Development	Surface Pipe	Nick
PRICE REF.		DESCRIPTION			QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way			75	Miles	5.00	375.00	
576D-S	Pump Charge - Shallow Surface (< 500 Ft.) - 262 Feet			1	Job	750.00	750.00	
290	D-Air			2	Gallon(s)	35.00	70.00	
325	Standard Cement			165	Sacks	12.00	1,980.00	
278	Calcium Chloride			5	Sack(s)	35.00	175.00	
279	Bentonite Gel			3	Sack(s)	25.00	75.00	
581D	Service Charge Cement			165	Sacks	1.50	247.50	
583D	Drayage			608	Ton Miles	1.00	608.00	
Subtotal			4,280.50					
<div>R 7/30/2010 P 7/30/2010 Schemper 190402 4280.50 Schemper/KaB Unit 2-6 - Pump Charge, cement & other misc used to cement surface casing</div> <div>AUG 27 2010 CONFIDENTIAL 7/30/2010 CK#10018</div>								
We Appreciate Your Business!						Total	RECEIVED \$4,280.50 AUG 30 2010	

KCC WICHITA



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

RECEIVED
 AUG 30 2010
 KCC WICHITA

TICKET
 17990

PAGE 1 OF 1

SERVICE LOCATIONS:
 1. Hays, Ks.
 2. Ness City, Ks.
 3.
 4.

WELL/PROJECT NO. 2-6
 LEASE Schenpen-Kets Unit
 COUNTY/PARISH Norton
 STATE Ks
 CITY
 DATE 7-27-10
 OWNER Same

TICKET TYPE
☒ SERVICE
☐ SALES
 CONTRACTOR WYN #
 RIG NAME/NO.
 SHIPPED VIA CH
 DELIVERED TO Location
 ORDER NO.

WELL TYPE oil
 WELL CATEGORY development
 JOB PURPOSE Surface Pipe
 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 # <u>111</u>	75		mi		5.00	375.00
5765		1			Pump Charge (shallow surface)	1	262		'	750.00	750.00
290		1			D-Air	2		gal		35.00	70.00
325		2			Standard Cement	165		skts		12.00	1980.00
278		2			Calcium Chloride	5	3	skts	%	35.00	175.00
279		2			Bentonite gel	3	2	skts	%	25.00	75.00
581		2			Cement Service Charge	165		skts		0.1500	247.50
585		2			Drayage	608		VM		1.00	608.00

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

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

DATE SIGNED 7-27-10 TIME SIGNED 1740
☐ 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	PAGE TOTAL	4280.50
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	4280.50

SWD d/r
 TAX
 4 prjo. Well

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

ATOR

APPROVAL

Thank You!

CUSTOMER

CUSTOMER
Baird Oil Co

WELL NO. # 2-6

LEASE Schompen-
Kets Hait

JOB TYPE

PE
Surface Pipe

TICKET NO.

NO. 17990

[illegible]

AUG 27 2010
CONFIDENTIAL

circus to pit

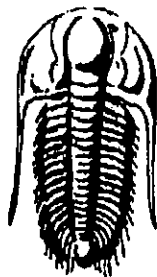
~~RECEIVED~~

~~AUG 30 2010~~

~~KCC WICHITA~~

Thank you

Nick, Josh F. & Gideon



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

113 W. Main
PO Box 428
Logan Ks. 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

Schemper- Kats #2-6

Start Date: 2010.07.30 @ 18:32:05

End Date: 2010.07.31 @ 00:40:50

Job Ticket #: 36198 DST #: 1

AUG 27 2010
CONFIDENTIAL

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

RECEIVED
AUG 30 2010
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Co. LLC

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

Schemper- Kats #2-6

6-4s-21w Norton, KS

Job Ticket: 36198

DST#: 1

Test Start: 2010.07.30 @ 18:32:05

GENERAL INFORMATION:

Formation: LKC-A

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:42:00

Time Test Ended: 00:40:50

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 31

Interval: 3566.00 ft (KB) To 3590.00 ft (KB) (TVD)

Total Depth: 3590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2340.00 ft (KB)

2335.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8352

Outside

Press@RunDepth: 298.97 psig @ 3567.00 ft (KB)

Start Date: 2010.07.30

End Date: 2010.07.31

Start Time: 18:32:05

End Time: 00:40:50

Capacity: 8000.00 psig

Last Calib.: 2010.07.30

Time On Btm: 2010.07.30 @ 19:41:50

Time Off Btm: 2010.07.30 @ 22:43:10

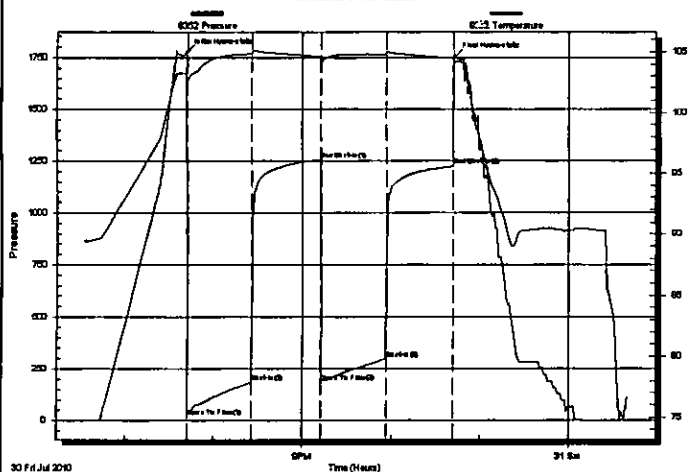
TEST COMMENT: IF: BOB, 13 min

IS: No return

FF: BOB, 30 min

FS: No return

Pressure vs. Time



PRESSURE SUMMARY

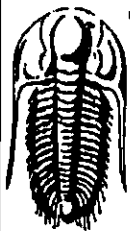
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.19	103.29	Initial Hydro-static
1	19.88	102.24	Open To Flow (1)
44	184.68	104.83	Shut-In (1)
91	1256.57	104.60	End Shut-In (1)
91	184.80	103.94	Open To Flow (2)
135	298.97	104.81	Shut-In (2)
180	1225.70	104.50	End Shut-In (2)
182	1754.09	104.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
598.00	MW m=10% w=90%	7.27
3.00	O o=100%	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

6-4s-21w Norton, KS
Job Ticket: 36198 DST#: 1
Test Start: 2010.07.30 @ 18:32:05

Tool Information

Drill Pipe:	Length: 3574.00 ft	Diameter: 3.80 inches	Volume: 50.13 bbl	Tool Weight: 2500.00 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: 122.33 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: 50.73 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	150.33 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3566.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3547.00	
Shut In Tool	5.00			3552.00	
Hydraulic tool	5.00			3557.00	
Packer	5.00			3562.00	20.00 Bottom Of Top Packer
Packer	4.00			3566.00	
Stubb	1.00			3567.00	
Recorder	0.00	8017	Inside	3567.00	
Recorder	0.00	8352	Outside	3567.00	
Perforations	20.00			3587.00	
Bullnose	3.00			3590.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main

6-4s-21w Norton, KS

PO Box 428

Job Ticket: 36198

DST#: 1

Logan Ks. 67646

Test Start: 2010.07.30 @ 18:32:05

ATTN: Richard Bell

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
598.00	MW m=10% w=90%	7.274
3.00	O o=100%	0.042

Total Length: 601.00 ft

Total Volume: 7.316 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

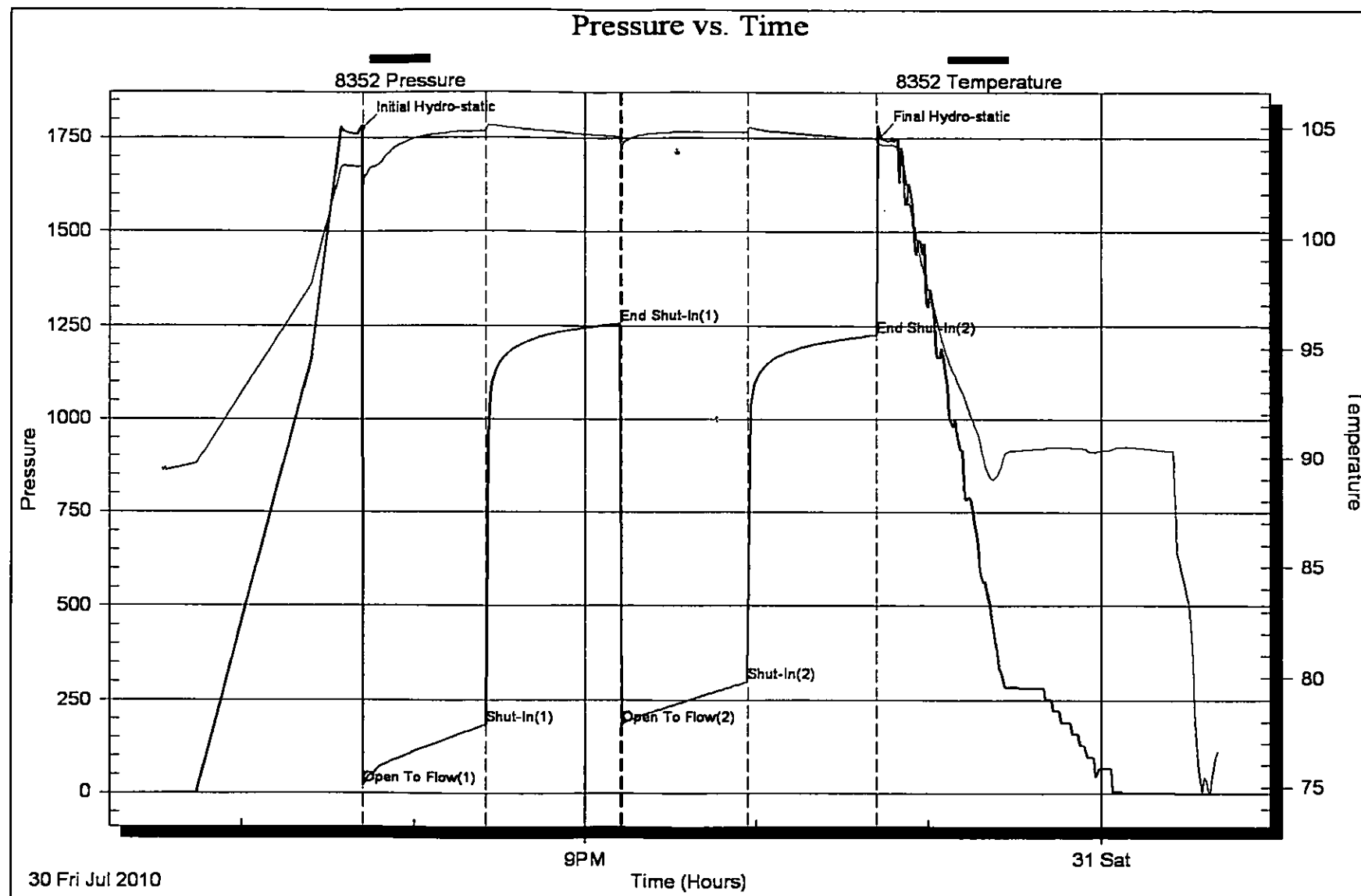
Recovery Comments:

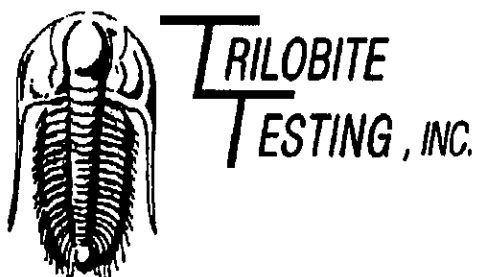
Serial #: 8352

Outside Baird Oil Co. LLC

6-4s-21w Norton, KS

DST Test Number: 1





DRILL STEM TEST REPORT

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

113 W. Main
PO Box 428
Logan Ks. 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

Schemper- Kats #2-6

Start Date: 2010.07.31 @ 06:25:05

End Date: 2010.07.31 @ 12:32:59

Job Ticket #: 36199 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 Co. LLC

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

Schemper- Kats #2-6

6-4s-21w Norton, KS

Job Ticket: 36199

DST#: 2

Test Start: 2010.07.31 @ 06:25:05

GENERAL INFORMATION:

Formation: **LKC-C**

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

Time Tool Opened: 07:57:20

Time Test Ended: 12:32:59

Interval: **3594.00 ft (KB) To 3616.00 ft (KB) (TVD)**

Total Depth: **3616.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Andy Carreira**

Unit No: **31**

Reference Elevations: **2340.00 ft (KB)**

2335.00 ft (CF)

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

Serial #: 8352

Outside

Press@RunDepth: **133.79 psig @ 3595.00 ft (KB)**

Start Date: **2010.07.31**

End Date:

2010.07.31

Start Time: **06:25:05**

End Time:

12:32:59

Capacity: **8000.00 psig**

Last Calib.: **2010.07.31**

Time On Btm: **2010.07.31 @ 07:56:30**

Time Off Btm: **2010.07.31 @ 10:31:20**

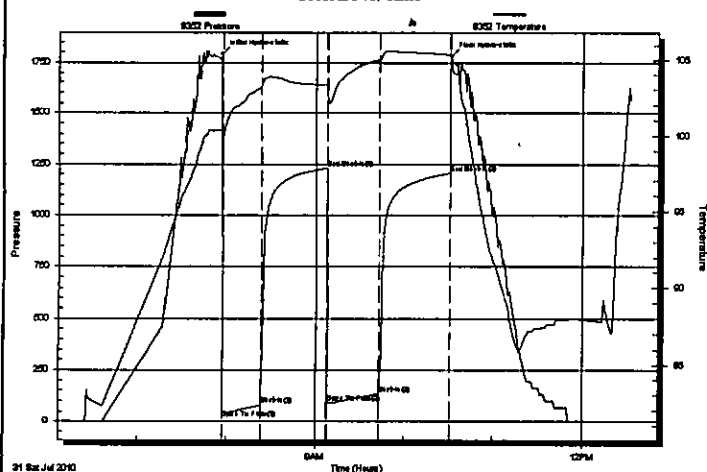
TEST COMMENT: **IF: BOB, 11 min.**

IS: Return blow, 4 min after bleed-off, building to 2.5 inches

FF: BOB, 14 min.

FS: Return blow, 5 min after bleed-off, building to 2 inches

Pressure vs. Time



31 Jul 2010

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1793.89	100.34	Initial Hydro-static
1	17.11	99.37	Open To Flow (1)
27	80.19	103.16	Shut-In (1)
71	1229.93	103.31	End Shut-In (1)
72	88.75	102.88	Open To Flow (2)
107	133.79	105.02	Shut-In (2)
154	1205.75	105.35	End Shut-In (2)
155	1781.63	105.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMO g=20% m=30% o=50%	0.30
62.00	GMO g=10% m=30% o=60%	0.32
144.00	GO g=10% o=90%	2.02
0.00	GP=496ft	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

6-4s-21w Norton, KS

Job Ticket: 36199

DST#: 2

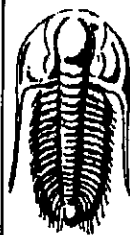
Test Start: 2010.07.31 @ 06:25:05

Tool Information

Drill Pipe:	Length: 3454.00 ft	Diameter: 3.80 inches	Volume: 48.45 bbl	Tool Weight: 2500.00 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: 122.33 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume: 49.05 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	2.33 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3594.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 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			3575.00	
Shut In Tool	5.00			3580.00	
Hydraulic tool	5.00			3585.00	
Packer	5.00			3590.00	20.00 Bottom Of Top Packer
Packer	4.00			3594.00	
Stubb	1.00			3595.00	
Recorder	0.00	8017	Inside	3595.00	
Recorder	0.00	8352	Outside	3595.00	
Perforations	18.00			3613.00	
Bullnose	3.00			3616.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

6-4s-21w Norton, KS
Job Ticket: 36199 DST#: 2
Test Start: 2010.07.31 @ 06:25:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 1000.00 ppm
Filter Cake: inches

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

Oil API:
Water Salinity: deg API
ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GMO g=20% m=30% o=50%	0.305
62.00	GMO g=10% m=30% o=60%	0.320
144.00	GO g=10% o=90%	2.020
0.00	GP=496ft	0.000

Total Length: 268.00 ft Total Volume: 2.645 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

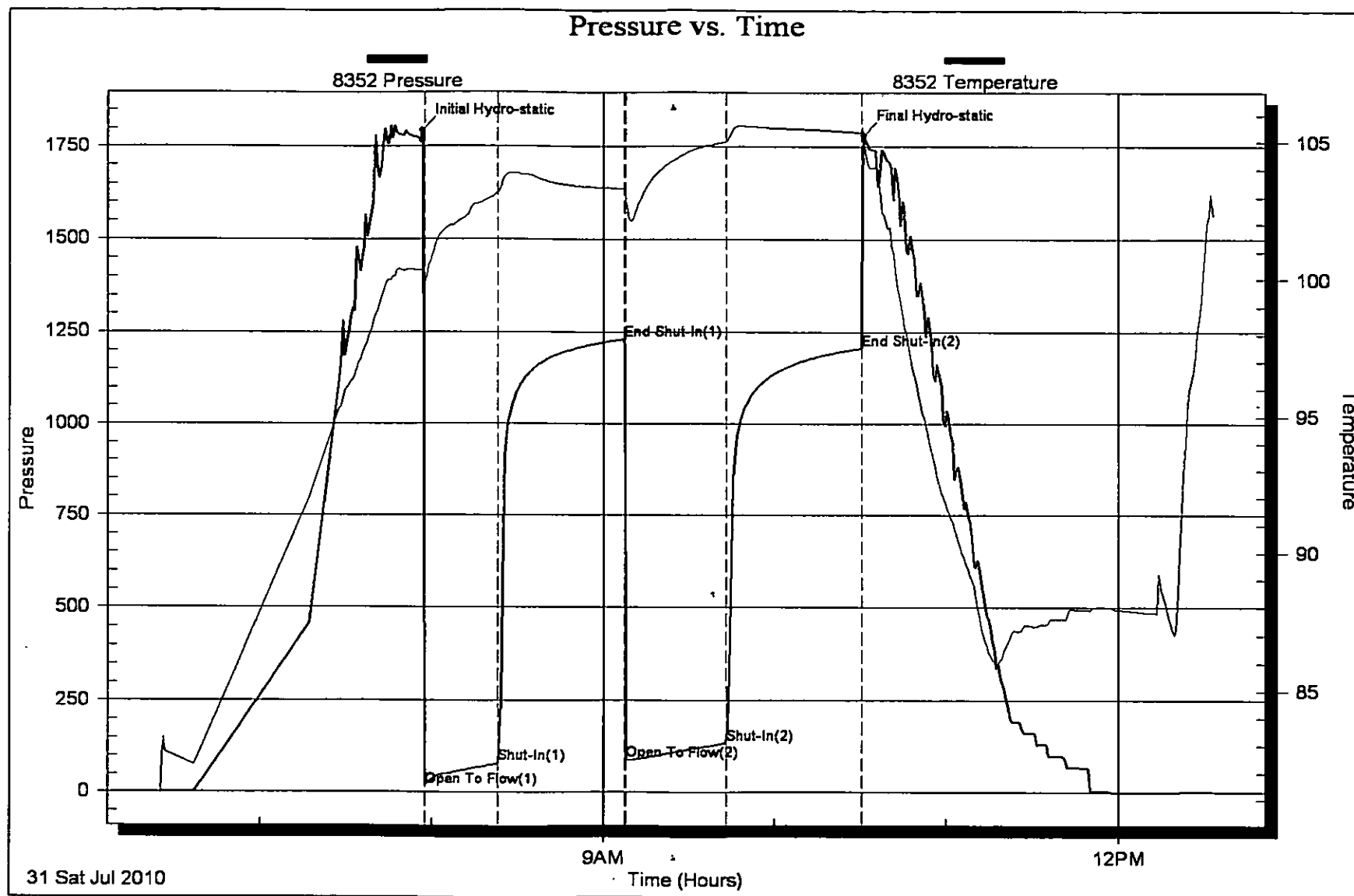
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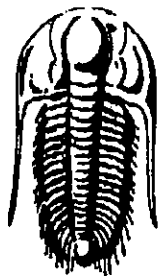
Serial #: 8352

Outside Baird Oil Co. LLC

6-4s-21w Norton, KS

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

113 W. Main
PO Box 428
Logan Ks. 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

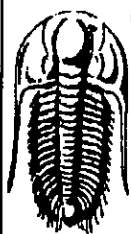
Schemper- Kats #2-6

Start Date: 2010.07.31 @ 17:12:05

End Date: 2010.07.31 @ 23:56:20

Job Ticket #: 36200 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 Co. LLC

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

Schemper- Kats #2-6

6-4s-21w Norton, KS

Job Ticket: 36200

DST#: 3

Test Start: 2010.07.31 @ 17:12:05

GENERAL INFORMATION:

Formation: **LKC-D**

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

Time Tool Opened: 18:40:00

Time Test Ended: 23:56:20

Test Type: **Conventional Bottom Hole**

Tester: **Andy Carreira**

Unit No: **31**

Interval: **3616.00 ft (KB) To 3638.00 ft (KB) (TVD)**

Total Depth: **3590.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2340.00 ft (KB)**

2335.00 ft (CF)

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

Serial #: 8352

Outside

Press@RunDepth: **95.83 psig @ 3617.00 ft (KB)**

Start Date: **2010.07.31**

End Date:

2010.07.31

Capacity: **8000.00 psig**

Last Calib.: **2010.07.31**

Start Time: **17:12:05**

End Time:

23:56:20

Time On Btm: **2010.07.31 @ 18:38:30**

Time Off Btm: **2010.07.31 @ 21:41:59**

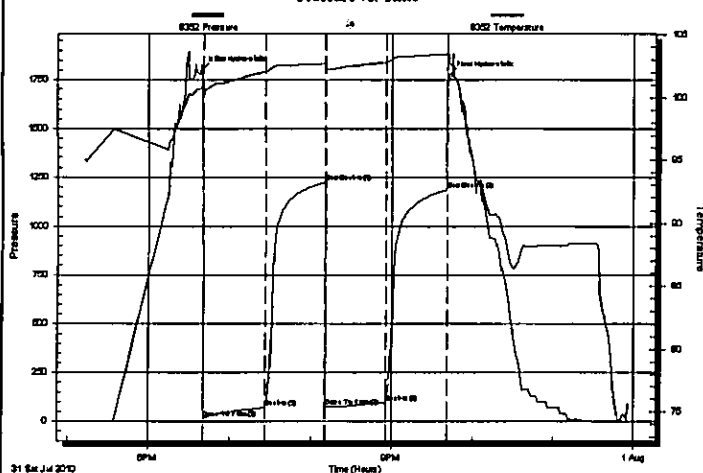
TEST COMMENT: **IF: Strong, 9 inches**

IS: No return

FF: Fair, 7 inches

FS: No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.63	100.78	Initial Hydro-static
2	15.23	99.98	Open To Flow (1)
48	70.26	102.06	Shut-In (1)
92	1223.30	102.70	End Shut-In (1)
93	75.53	102.33	Open To Flow (2)
138	95.83	102.84	Shut-In (2)
182	1184.72	103.41	End Shut-In (2)
184	1773.76	103.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCGM g=10% o=40% m=50%	0.30
249.00	GO g=20% o=80%	2.94
0.00	62ft = GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

6-4s-21w Norton, KS

Job Ticket: 36200

DST#: 3

Test Start: 2010.07.31 @ 17:12:05

Tool Information

Drill Pipe:	Length: 3485.00 ft	Diameter: 3.80 inches	Volume: 48.89 bbl	Tool Weight:	2500.00 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: 122.33 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	40000.00 lb
			Total Volume: 49.49 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.33 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3616.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	42.00 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			3597.00	
Shut In Tool	5.00			3602.00	
Hydraulic tool	5.00			3607.00	
Packer	5.00			3612.00	20.00 Bottom Of Top Packer
Packer	4.00			3616.00	
Stubb	1.00			3617.00	
Recorder	0.00	8017	Inside	3617.00	
Recorder	0.00	8352	Outside	3617.00	
Perforations	18.00			3635.00	
Bullnose	3.00			3638.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

6-4s-21w Norton, KS
Job Ticket: 36200 DST#: 3
Test Start: 2010.07.31 @ 17:12:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 1700.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API:
Water Salinity: deg API ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCGM g=10% o=40% m=50%	0.305
249.00	GO g=20% o=80%	2.943
0.00	62ft = GIP	0.000

Total Length: 311.00 ft Total Volume: 3.248 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

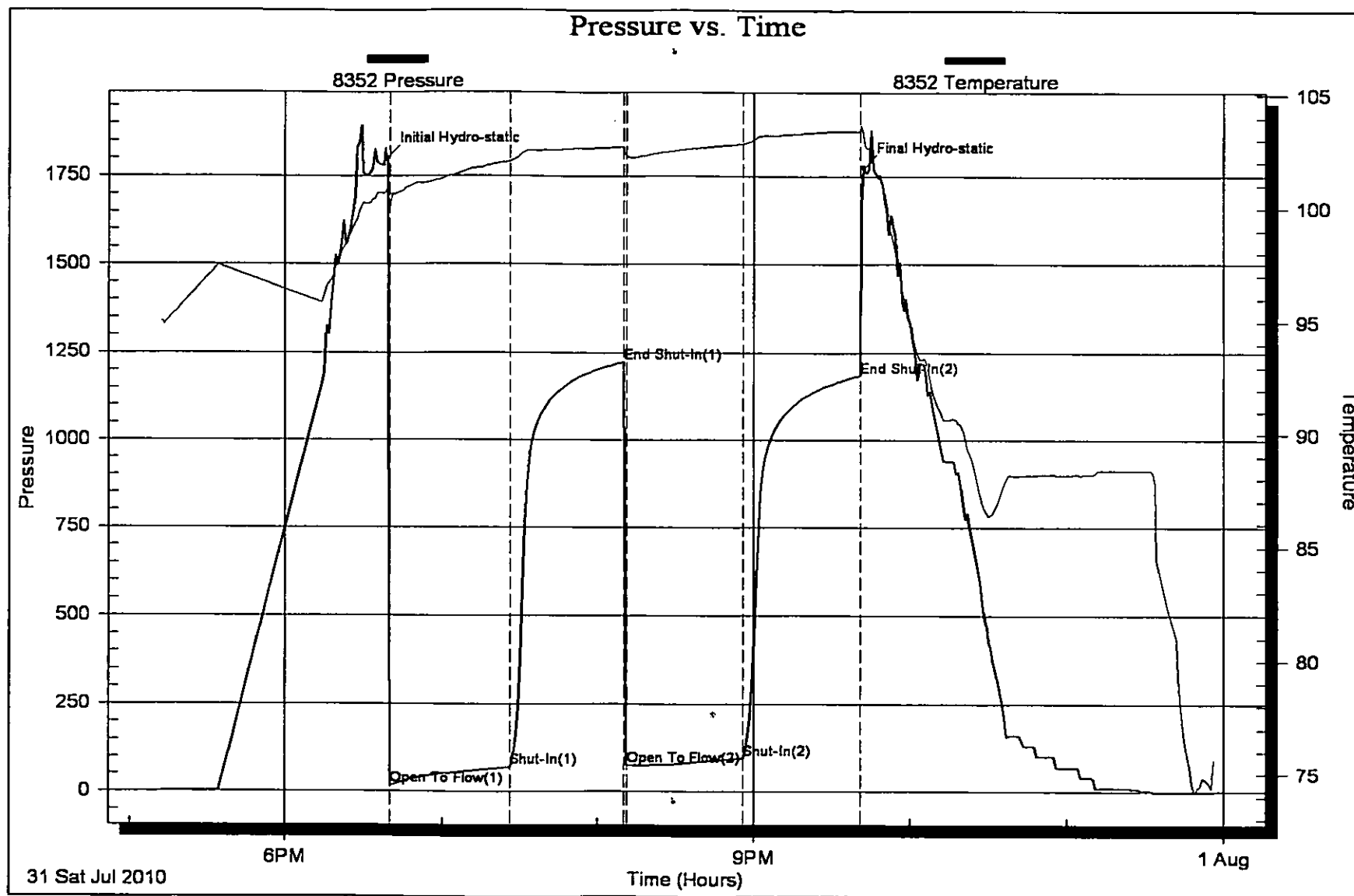
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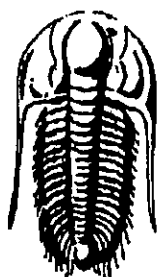
Serial #: 8352

Outside Baird Oil Co. LLC

6-4s-21w Norton, KS

DST Test Number: 3





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

113 W. Main
PO Box 428
Logan Ks. 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

Schemper- Kats #2-6

Start Date: 2010.08.01 @ 05:20:05

End Date: 2010.08.01 @ 11:40:39

Job Ticket #: 039976 DST #: 4

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 Co. LLC

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

Schemper- Kats #2-6

6-4s-21w Norton,KS

Job Ticket: 039976

DST#: 4

Test Start: 2010.08.01 @ 05:20:05

GENERAL INFORMATION:

Formation: **LKC-F**

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

Time Tool Opened: 06:53:00

Time Test Ended: 11:40:39

Interval: **3638.00 ft (KB) To 3657.00 ft (KB) (TVD)**

Total Depth: **3590.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Andy Carreira**

Unit No: **31**

Reference Elevations: **2340.00 ft (KB)**

2335.00 ft (CF)

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

Serial #: 8352

Outside

Press@RunDepth: **147.45 psig @ 3639.00 ft (KB)**

Start Date: **2010.08.01**

End Date:

2010.08.01

Start Time: **05:20:05**

End Time:

11:40:40

Capacity: **8000.00 psig**

Last Calib.: **2010.08.01**

Time On Btm: **2010.08.01 @ 06:52:30**

Time Off Btm: **2010.08.01 @ 09:25:00**

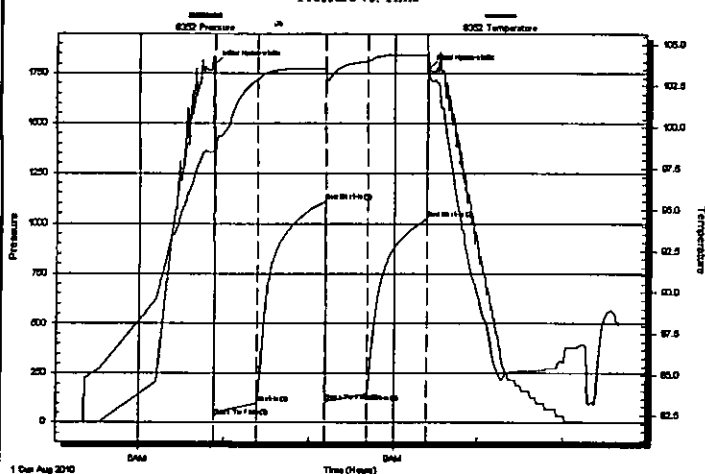
TEST COMMENT: **IF: BOB, 10 min**

IS: Return blow 5 min after bleed-off, half inch

FF: BOB, 18 min

FS: Return blow 8 min after bleed-off, half inch

Pressure vs. Time



PRESSURE SUMMARY

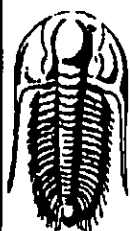
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1793.87	98.62	Initial Hydro-static
1	28.14	97.91	Open To Flow (1)
31	98.40	102.90	Shut-In(1)
79	1106.85	103.57	End Shut-In(1)
80	109.88	103.05	Open To Flow (2)
109	147.45	104.02	Shut-In(2)
152	1023.88	104.39	End Shut-In(2)
153	1771.27	103.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM g=20% o=30% m=50%	0.30
392.00	GO g=20% o=80%	4.95
0.00	124ft = GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

Schemper- Kats #2-6

6-4s-21w Norton, KS

Job Ticket: 039976 DST#: 4

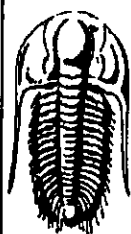
Test Start: 2010.08.01 @ 05:20:05

Tool Information

Drill Pipe:	Length: 3515.00 ft	Diameter: 3.80 inches	Volume: 49.31 bbl	Tool Weight:	2500.00 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: 122.33 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	40000.00 lb
			<u>Total Volume: 49.91 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.33 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3638.00 ft			Final	37000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	39.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3619.00	
Shut In Tool	5.00			3624.00	
Hydraulic tool	5.00			3629.00	
Packer	5.00			3634.00	20:00 Bottom Of Top Packer
Packer	4.00			3638.00	
Stubb	1.00			3639.00	
Recorder	0.00	8017	Inside	3639.00	
Recorder	0.00	8352	Outside	3639.00	
Perforations	15.00			3654.00	
Bullnose	3.00			3657.00	19.00 Bottom Packers & Anchor
Total Tool Length:		39.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

6-4s-21w Norton, KS
Job Ticket: 039976 DST#: 4
Test Start: 2010.08.01 @ 05:20:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 1700.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API:
Water Salinity: deg API ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM g=20% o=30% m=50%	0.305
392.00	GO g=20% o=80%	4.949
0.00	124ft = GIP	0.000

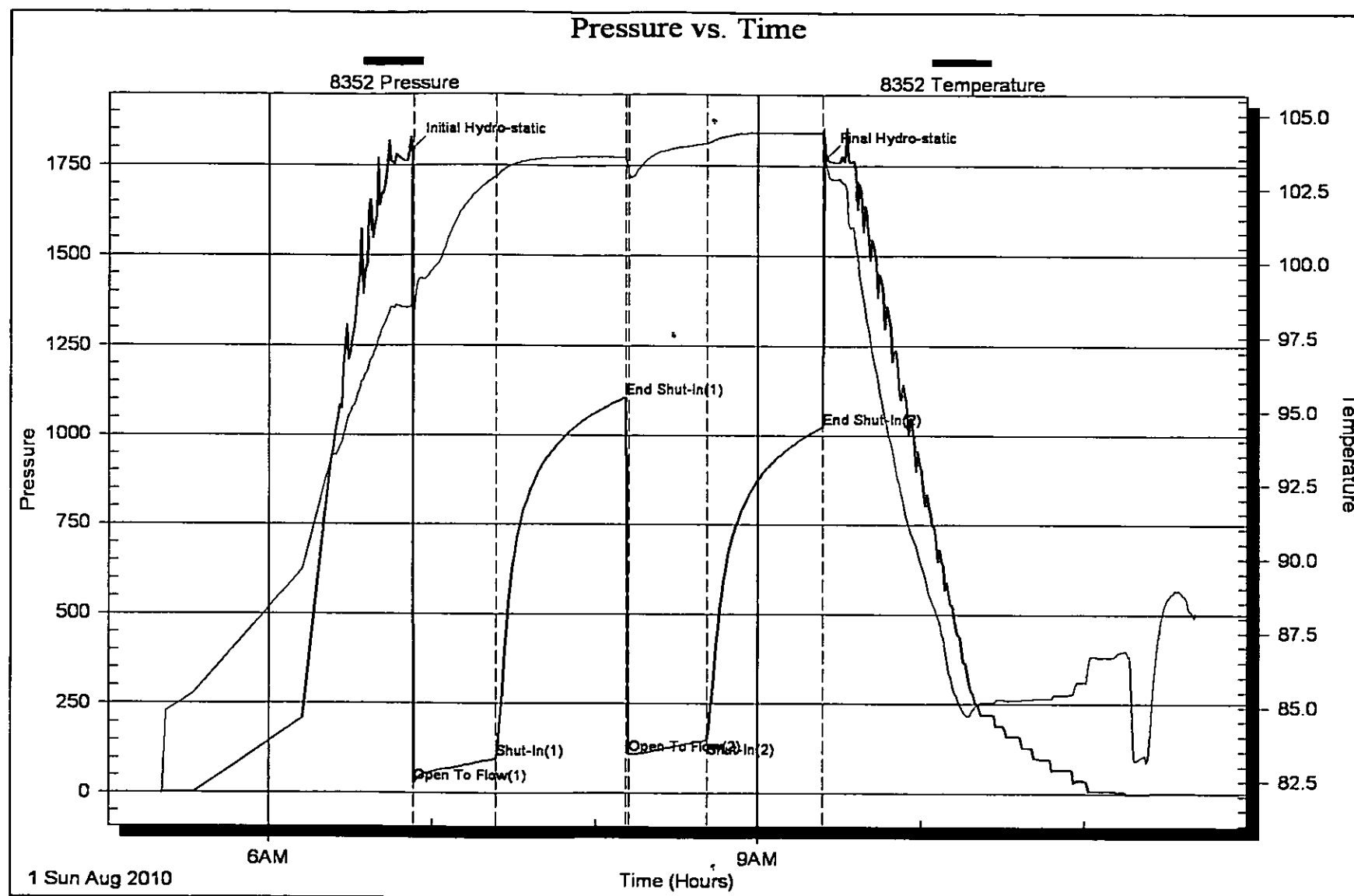
Total Length: 454.00 ft Total Volume: 5.254 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

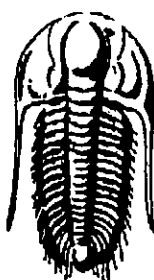
Serial #: 8352

Outside Baird Oil Co. LLC

6-4s-21w Norton, KS

DST Test Number: 4





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

113 W. Main
PO Box 428
Logan Ks. 67646

ATTN: Richard Bell

6-4s-21w Norton,KS

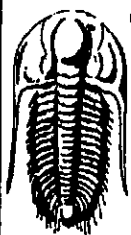
Schemper- Kats #2-6

Start Date: 2010.08.02 @ 02:38:05

End Date: 2010.08.02 @ 08:42:09

Job Ticket #: 039977 DST #: 5

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 Co. LLC

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

Schemper- Kats #2-6

6-4s-21w Norton, KS

Job Ticket: 039977

DST#: 5

Test Start: 2010.08.02 @ 02:38:05

GENERAL INFORMATION:

Formation: **Marm.**

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

Time Tool Opened: 04:17:30

Time Test Ended: 08:42:09

Interval: **3766.00 ft (KB) To 3815.00 ft (KB) (TVD)**

Total Depth: **3590.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Andy Carreira**

Unit No: **31**

Reference Elevations: **2340.00 ft (KB)**

2335.00 ft (CF)

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

Serial #: 8352

Outside

Press@RunDepth: **74.37 psig @ 3767.00 ft (KB)**

Start Date: **2010.08.02**

End Date:

2010.08.02

Start Time: **02:38:05**

End Time:

08:42:10

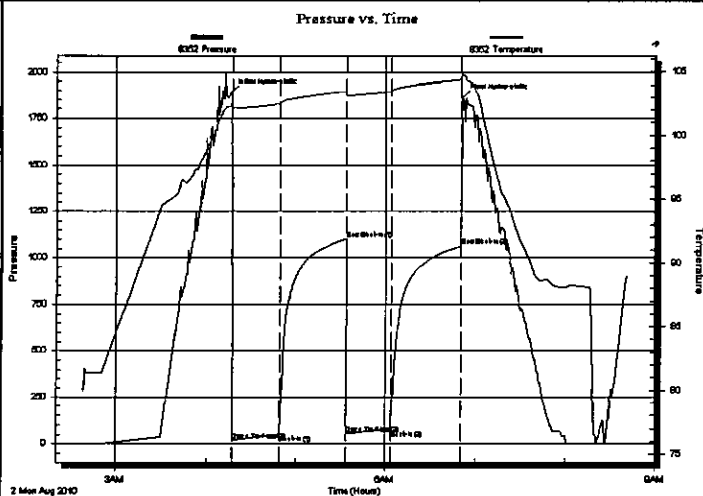
Capacity: **8000.00 psig**

Last Calib.: **2010.08.02**

Time On Btm: **2010.08.02 @ 04:16:20**

Time Off Btm: **2010.08.02 @ 06:51:20**

TEST COMMENT: IF: Weak, half inch
IS: No return
FF: Weak, surface
FS: No return



PRESSURE SUMMARY

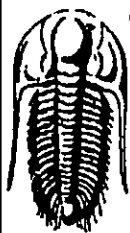
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.50	102.35	Initial Hydro-static
2	17.30	101.55	Open To Flow (1)
33	49.88	102.47	Shut-In(1)
77	1100.91	103.49	End Shut-In(1)
78	54.60	103.17	Open To Flow (2)
107	74.37	103.44	Shut-In(2)
154	1063.72	104.40	End Shut-In(2)
155	1862.09	104.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	MW m=30% w=70%	0.71

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

Schemper- Kats #2-6

6-4s-21w Norton, KS

Job Ticket: 039977

DST#: 5

Test Start: 2010.08.02 @ 02:38:05

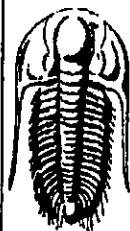
Tool Information

Drill Pipe:	Length: 3637.00 ft	Diameter: 3.80 inches	Volume: 51.02 bbl	Tool Weight:	2500.00 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: 122.33 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	40000.00 lb	
			Total Volume:	51.62 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.33 ft			String Weight: Initial	36000.00 lb	
Depth to Top Packer:	3766.00 ft			Final	36000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	49.00 ft					
Tool Length:	69.00 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			3747.00	
Shut In Tool	5.00			3752.00	
Hydraulic tool	5.00			3757.00	
Packer	5.00			3762.00	20.00 Bottom Of Top Packer
Packer	4.00			3766.00	
Stubb	1.00			3767.00	
Recorder	0.00	8017	Inside	3767.00	
Recorder	0.00	8352	Outside	3767.00	
Perforations	3.00			3770.00	
Change Over Sub	1.00			3771.00	
Drill Pipe	30.00			3801.00	
Change Over Sub	1.00			3802.00	
Perforations	10.00			3812.00	
Bullnose	3.00			3815.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Schemper- Kats #2-6

113 W. Main
PO Box 428
Logan Ks. 67646
ATTN: Richard Bell

6-4s-21w Norton, KS
Job Ticket: 039977 DST#: 5
Test Start: 2010.08.02 @ 02:38:05

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: 30000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	MW m=30% w=70%	0.709

Total Length: 130.00 ft

Total Volume: 0.709 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.18 @ 86F

