

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

8/5/12

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32819 **KCC**  
 Name: Baird Oil Company, LLC **AUG 05 2010**  
 Address 1: PO Box 428 **CONFIDENTIAL**  
 Address 2: \_\_\_\_\_  
 City: Logan State: KS Zip: 67646 + \_\_\_\_\_  
 Contact Person: Jim R. Baird  
 Phone: (785) 689-7456  
 CONTRACTOR: License # 33575 **RECEIVED**  
 Name: WW Drilling, LLC **AUG 06 2010**  
 Wellsite Geologist: Richard Bell  
 Purchaser: Coffeyville Resources **KCC WICHITA**  
 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 12, 2010	July 19, 2010	July 30, 2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 137-20519-00-00  
 Spot Description: \_\_\_\_\_  
 NW NE SE Sec. 6 Twp. 4 S. R. 21  East  West  
2740 Feet from  North /  South Line of Section  
1130 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 #: 1-6  
 Field Name: Wildcat  
 Producing Formation: Lansing  
 Elevation: Ground: 2314 Kelly Bushing: 2319  
 Total Depth: 3857 Plug Back Total Depth: 3803  
 Amount of Surface Pipe Set and Cemented at: 260 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set: 2020 Feet  
 If Alternate II completion, cement circulated from: \_\_\_\_\_  
 feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan **AK IWD 813-10**  
 (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 compiled with and the statements herein are complete and correct to the best of my knowledge.

Signature: Jim R. Baird  
 Title: President Date: 8/05/2010  
 Subscribed and sworn to before me this 5th day of AUGUST  
20  
 Notary Public: Robert B. Hartman  
 Date Commission Expires: 3/29/2011

**KCC Office Use ONLY**  
 Letter of Confidentiality Received 8/5/10-8/5/12  
 if Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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

Operator Name: Baird Oil Company, LLC Lease Name: Schemper-Kats Unit Well #: 1-6 AUG 11 2010  
 Sec. 6 Twp. 4 S. R. 21  East  West County: 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 <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	1985	+334
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3320	-1001
List All E. Logs Run:		Heebner	3521	-1202
<b>RAG &amp; MICRO</b>		Toronto	3546	-1227
		Lansing	3564	-1245
		BKC	3754	-1435
		TD	3857	-1538

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	260	Standard	165	3%cc,2%gel
Production	7 7/8"	5 1/2"	14	3849	60/40 Poz	465	SMD 3/4# flocele

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	3592-3596	500 gallons 15% MCA	

**RECEIVED**  
**AUG 06 2010**  
**KCC WICHITA**

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>3790</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>July 30, 2010</u> Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>
Estimated Production Per 24 Hours: Oil <u>132</u> Bbls. Gas <u>Mcf</u> Water <u>none</u> Bbls. Gas-Oil Ratio _____ Gravity <u>32</u>

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: <u>3592-3596 OA</u>
---	--	---



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



# Invoice

DATE	INVOICE #
7/26/2010	18663

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

- Acidizing
- Cement
- Tool Rental

KCC  
 AUG 15 2010  
 CONFIDENTIAL

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator	
Net 30	#1-16	Schemper-Kats	Norton	Quality Plus Oilfie...	Oil	Development	Cement Port Collar	Wayne	
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT	
575D	Mileage - 1 Way				75	Miles	5.00	375.00	
576D-D	Pump Charge - Port Collar - 2020 Feet				1	Job	1,100.00	1,100.00	
105	Port Collar Tool Rental With Man				1	Each	300.00	300.00	
330	Swift Multi-Density Standard (MIDCON II)				200	Sacks	15.00	3,000.00	
276	Flocele				50	Lb(s)	1.50	75.00	
290	D-Air				2	Gallon(s)	35.00	70.00	
581D	Service Charge Cement				225	Sacks	1.50	337.50	
583D	Drayage				837	Ton Miles	1.00	837.00	
	Subtotal							6,094.50	
RECEIVED AUG 06 2010 KCC WICHITA									
R 7/30/2010 P 7/30/2010 Schemper 190402 5419.50 Schemper/Kats Unit 1-6 - Pump charge, cement + other misc expenses used to cement port collar Schemper 190402 675.00 Schemper/Kats Unit 1-6 - Rental of port collar + man when cementing port collar									
<b>We Appreciate Your Business!</b>							<b>Total</b>	<b>\$6,094.50</b>	



CHARGE TO: **BARD OIL CO.**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

TICKET  
18663

PAGE 1 OF 1

KCC  
AUG 08 2010  
CONFIDENTIAL

SERVICE LOCATIONS  
 1. **NESS CITY, KS**  
 WELL/PROJECT NO. **1-16** LEASE **SCHEMPER - KATS** COUNTY/PARISH **NORTON** STATE **Ks** CITY **CONFIDENTIAL** DATE **7-26-10** OWNER **SAME**  
 2. TICKET TYPE  SERVICE CONTRACTOR **QUALITY PLUS** RIG NAME/NO. **LOCATION** ORDER NO.  
 3.  SALES  
 4. WELL TYPE **OIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **CONCRETE PORT COLLAR** WELL PERMIT NO. WELL LOCATION **DENSMORE, KS - 1E, S1/2N**  
 REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #111	75		ME		5.00	375.00
576D		1			PUMP CHARGE	1	2020	JOB	FR	1100.00	1100.00
105		1			PORT COLLAR OPENING TOOL	1		JOB		300.00	300.00
330		1			SWIFT MOLTRE DISSEY STANDARD	200		SYS		15.00	3000.00
27h		1			FLOCELE	50		US		1.50	75.00
290		1			D-ADR	2		GAL		35.00	70.00
581		1			SERVICE CHARGE CONGR	225		SID		1.50	337.50
583		1			DRYAGE	22320	837	US	BTM	1.00	837.00

RECEIVED  
AUG 08 2010  
KCC WICHITA

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.  
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 x *[Signature]*  
 TIME SIGNED **7-26-10** **0800**  
 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	6094.50
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	6094.50

SVD dfor  
TAX  
1/2 p. h = 11

# SWIFT Services, Inc.

DATE 7-26-10 PAGE NO. 1

20 02 G.

WELL NO. 1-16

LEASE SCHMIDT - KATS

JOB TYPE CEMENT PORT COLLAR

TICKET NO. 18663

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							ON LOCATION
								TUBING - 2 3/8 CASING - 5 1/2"
								PORT COLLAR - 2020'
	0925				✓		1000	PSI TEST CASING - HELD
	0930	3 1/2	4	✓		200		OPEN PORT COLLAR - INT RATE
	0935	4	111	✓		400		MIX CEMENT <u>200SKS</u> SMD e 11.2 PPG
	1000	4	7	✓		550		DISPLACE CEMENT
	1010			✓		1000		CLOSE PORT COLLAR - PSI TEST - HELD
								CIRCULATED 20 SKS CEMENT TO PET
	1025	4	25	✓		500		RUN 4 JTS - CIRCULATE CLEAN
								WASH TRUCK
								PULL TOOL
	1100							JOB COMPLETE

RECEIVED  
AUG 06 2010

KCC WICHITA

THANK YOU  
WAYNE, JOSH F., BRIAN



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



# Invoice

DATE	INVOICE #
7/19/2010	18037

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

- Acidizing
- Cement ~~KCC~~
- Tool Rental ~~AT&T~~

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-16	Schemper-Ka...	Norton	WW Drilling #8	Oil	Development	LongString	Dave

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	70	Miles	5.00	350.00
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)	400	Lb(s)	0.40	160.00
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	846.72	Ton Miles	1.00	846.72
	Subtotal				12,529.22

RECEIVED  
AUG 06 2010  
KCC WICHITA

R7/22/2010  
P7/22/2010  
Schemper 190402  
Schemper/Ka... Unit 1-6 - Pump charges  
Cement & other misc expenses used  
to cement production casing

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$12,529.22
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CHARGE TO: Baird Oil  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET  
 1.8037  
 PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>NAVS</u>	WELL/PROJECT NO. <u>1-16</u>	LEASE <u>SCHMIDT MATS UNIT</u>	COUNTY/PARISH <u>Norton</u>	STATE <u>KS</u>	CITY	DATE <u>07-19-10</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>WWDRC #8</u>	SHIPPED VIA <u>GT</u>	DELIVERED TO <u>1 E. S 3/4 W. W. Road, Ness, MO</u>	ORDER NO.	
3.	WELL TYPE <u>OK</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>LONGSTILING</u>	WELL PERMIT NO. <u>15-137-20519</u>	WELL LOCATION <u>56.7 4, R21</u>		
4. 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	70	mi	5	00	350.00
578		1			PUMP SERVICE	1	EA	1400	00	1400.00
281		1			LIQUID OIL	2	VAL	25	00	50.00
280		1			FLOCHECK 21	500	VAL	2	50	1250.00
290		1			D-AIR	2	EA	35	00	70.00
402		1			CENTRALIZER	11	EA	5 1/2	00	625.00
403		1			CMT PADRET	1	EA	200	00	200.00
404		1			PORT COLLAR	1	EA	1900	00	1900.00
406		1			LATCH DOWN PLUG 4 BATTLE	1	EA	225	00	225.00
407		1			INSERT FRONT SHOE 4 AUTOFK	1	EA	275	00	275.00
411		1			RECORD SCRATCHERS	30	EA	45	00	1350.00

RECEIVED  
 AUG 06 2010  
 KCC WICHITA

**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

Richard Bell  
 SIGNED 07-19-10 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	P6-1 PAGE TOTAL	7675.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P6-2	4854.22
WE UNDERSTOOD AND MET YOUR NEEDS?				sub	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TOTAL	12,529.22
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				SWD d/or TAX /mj. bell	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	12,529.22
<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

APPROVAL DAVE

Thank You!



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

TICKET CONTINUATION

TICKET No. 12037

CUSTOMER Baird OK WELL 1-16 SCHEMER-HAYZ UNIT DATE 07-19-10 PAGE 2 OF 2

TRUCK REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ASSEMBLING			TIME	DESCRIPTION	DRY	WET	QTY.	UNIT	PRICE	AMOUNT
		LAB	TRUCK	DF								
325		2				STD CM7	200	SH			12.00	2400.00
326		2				60/10 PZ 2 1/2 CCL	40	SH			9.50	380.00
276		2				FLOCELE	50	LB			1.50	75.00
277		2				GILSONITE	400	LB			.40	160.00
283		2				SART	1550	LB			.15	232.50
285		2				CFR-1	100	LB			4.00	400.00
581		2				SERVICE CHG CM7	250	SH			1.50	360.00
583		2				DRAVAGE	846.72	Tm			1.00	846.72

RECEIVED  
AUG 06 2010  
KCC WICHITA

SERVICE CHARGE CUBIC FEET  
TOTAL WEIGHT LOADED MILES TON MILES

CONTINUATION TOTAL 4854.22



# SWIFT Services, Inc.

DATE 07-19-10 PAGE NO. 1

WELL NO. 1-16 LEASE SCHEMPER-MATS UNIT JOB TYPE LONGSTRING TICKET NO. 18037

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) <small>(GAL)</small>	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							ON LOCATION
								CMT: 40 SWS 60-40 PIZ 2% GEL 10" ANCHOR SIZING 200 STD 18" SIZING 1/2" BCFH 1/4" FIDCEL
								RTD 3857 SET PEE 3848 SJ 45.9 T-LOG 3823
								5/8 14 1/4 PORT COLLAR ON TOP 41, 2010 FT
								CENT/TUB 10, 40 BSY 41
								RECIPRO SCATCHER 3EA ON JOINTS 1-10 30% W/L
	1930							START C/S & FDATEW/L
	2050							TAL BUTTER - DROP BALL
	2100							BREAK CIRC, RECIPRO PIPE
	2210		6					PLUG RH 1/4 60-40 CMT
	2215	5.5	15		✓		200	HCL FLUSH
			12		✓			FLO CHECK 21 500 GALS
			5		✓			HCL FLUSH
			4		-			60-40 PIZ CMT 155 SWS
			43		-			STD CMT 200 SWS
								DROP PLUG, W/SA OUT PL
	2230	6.5	0		-		200	START DISJ
			46.0		-		400	CMT ON BUTTER
			80.0		-		700	
			85.0		-		750	
			90.0		-		800	
	2245	4.5	92.7		-		1400	LAND PUG
	2250							RELEASE DAY
	2330							JOB COMPLETE

RECEIVED  
AUG 06 2010  
KCC WICHITA

THANK YOU!  
DAN JOSH B. GIDEON

KCC  
AUG 05 2010  
CONFIDENTIAL



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



# Invoice

DATE	INVOICE #
7/12/2010	17693

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-6	Schemper-Ka...	Graham	WW Drilling #8	Oil	Development	Cement Surface	Don

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	90	Miles	5.00	450.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)	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
279	Bentonite Gel	3	Sack(s)	25.00	75.00
278	Calcium Chloride	5	Sack(s)	35.00	175.00
581D	Service Charge Cement	165	Sacks	1.50	247.50
583D	Drayage	711.45	Ton Miles	1.00	711.45
	Subtotal				4,458.95

R 7/15/2010  
P 7/15/2010  
Schemper 190402 4458.95  
Schemper/Kats Unit 1-6 - pump  
charges, cement + other misc used  
to cement surface casing

RECEIVED  
AUG 08 2010  
KCC WICHITA

KCC  
AUG 15 2010  
CONFIDENTIAL

<b>We Appreciate Your Business!</b>	<b>Total</b>	\$4,458.95
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CHARGE TO:  
*Baird Oil Co.*  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET  
 17693

PAGE 1 OF 1

KCC  
 AUG 05 2010  
 CONFIDENTIAL

SERVICE LOCATIONS 1. <i>Hays, KS</i>	WELL/PROJECT NO. <i>1-6</i>	LEASE <i>Schemper-Kats</i>	COUNTY/PARISH <i>Graham</i>	STATE <i>KS</i>	CITY	DATE <i>7-12-10</i>	OWNER
2. <i>Ness City, KS</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>WW Drg</i>	RIG NAME/NO. <i>8</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>NE/Donsmore, KS</i>	ORDER NO.	
3.	WELL TYPE <i>Dil</i>	WELL CATEGORY <i>Wildcat</i>	JOB PURPOSE <i>Cement Surface</i>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # <i>113</i>	<i>90</i>		<i>mi</i>		<i>500</i>	<i>450.00</i>
576 S		1			Pump Charge - Shallow Surface	<i>1</i>		<i>ea</i>	<i>ft.</i>	<i>750.00</i>	<i>750.00</i>
290		1			D-Air	<i>2</i>		<i>gal</i>		<i>35.00</i>	<i>70.00</i>
325		2			Standard Cement	<i>165</i>		<i>SKS</i>	<i>155/10/lbs</i>	<i>12.00</i>	<i>1980.00</i>
279		2			Bentonite Gel	<i>300</i>		<i>lbs</i>	<i>3/sks</i>	<i>25.00</i>	<i>7500</i>
278		2			Calcium Chloride	<i>5</i>		<i>sk</i>		<i>35.00</i>	<i>175.00</i>
581		2			Service Charge	<i>165</i>		<i>SKS</i>		<i>1.50</i>	<i>247.50</i>
583		2			Drayage	<i>711.45</i>		<i>TM</i>	<i>158/10/lbs</i>	<i>1.00</i>	<i>711.45</i>

RECEIVED  
 AUG 05 2010  
 KCC WICHITA

**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

*[Signature]*

DATE SIGNED *7-12-10* TIME SIGNED  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	<i>4,458.95</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					<del>4,202.95</del>
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 checked="" type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	<i>4458.95</i>

*SWD d/cr TAX for job well*

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

APPROVAL  
*[Signature]*

Thank You!

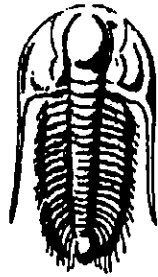
CUSTOMER Baired Oil Co.	WELL NO. 1-6	LEASE Schrempf's - Kots Unit	JOB TYPE Cement Surface	TICKET NO. 17693
----------------------------	-----------------	---------------------------------	----------------------------	---------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1830							TD-260'
	2005							On location - Rig Drly 12 1/4" hole Rig Fin Drly - cir hole Rig run 8 5/8" casing to 260'
	2145							Rig cir casing Rig chain down casing Hook to Swift Trk.
	2200							Start H <sub>2</sub> O
		5					150	Start 165 STS standard cut 28 90/30%
			40					Fin cut.
		5					150	Displ cut - Leave 20' in pipe
	2215		15 1/4				100	Fin Displ - Close in. Cut cir to pit when fin mixing
	2230							Job complete (50 STS) Washup & Reelup

*Thom*  
Don, Doug & Lane

RECEIVED  
AUG 06 2010  
KCC WICHITA

*Handwritten notes:*  
KCC  
AUG 13 2010  
KCC WICHITA



**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 #1-6**

Start Date: 2010.07.16 @ 01:28:01

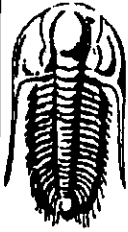
End Date: 2010.07.16 @ 07:08:00

Job Ticket #: 039881      DST #: 1

KCC  
AUG 05 2010  
CONFIDENTIAL

RECEIVED  
AUG 06 2010  
KCC WICHITA

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 #1-6**

**6-4s-21w Norton KS**

Job Ticket: 039881      DST#: 1

Test Start: 2010.07.16 @ 01:28:01

## GENERAL INFORMATION:

Formation: LKC "A"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:50:00

Time Test Ended: 07:08:00

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 53

Interval: 3555.00 ft (KB) To 3580.00 ft (KB) (TVD)

Total Depth: 3580.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2319.00 ft (KB)

2314.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669      Outside

Press@RunDepth: 31.80 psig @ 3556.00 ft (KB)

Start Date: 2010.07.16

End Date:

2010.07.16

Start Time: 01:28:01

End Time:

07:08:00

Capacity: 8000.00 psig

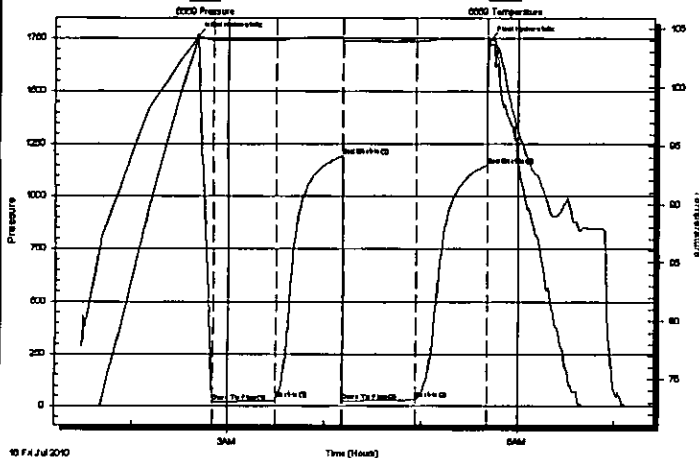
Last Calib.: 2010.07.16

Time On Btm: 2010.07.16 @ 02:40:00

Time Off Btm: 2010.07.16 @ 05:41:30

TEST COMMENT: IF: Weak, 1 inch  
IS: No Return  
FF: Weak, Surface  
FS: No Return

Pressure vs. Time



## PRESSURE SUMMARY

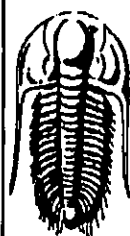
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1760.71	104.37	Initial Hydro-static
10	19.68	104.05	Open To Flow (1)
50	32.85	104.01	Shut-In(1)
91	1195.24	104.24	End Shut-In(1)
92	25.80	103.96	Open To Flow (2)
137	31.80	103.92	Shut-In(2)
181	1150.44	104.16	End Shut-In(2)
182	1741.25	104.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
12.00	OCM o=20% m=80%	0.06
3.00	O o=100%	0.01

## 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 #1-6**

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

**6-4s-21w Norton KS**  
Job Ticket: 039881      DST#: 1  
Test Start: 2010.07.16 @ 01:28:01

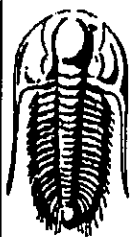
## Tool Information

Drill Pipe:	Length: 3538.00 ft	Diameter: 3.80 inches	Volume: 49.63 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 50.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	126.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3555.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 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			3536.00	
Shut In Tool	5.00			3541.00	
Hydraulic tool	5.00			3546.00	
Packer	5.00			3551.00	20.00      Bottom Of Top Packer
Packer	4.00			3555.00	
Stubb	1.00			3556.00	
Recorder	0.00	6668	Inside	3556.00	
Recorder	0.00	6669	Outside	3556.00	
Perforations	21.00			3577.00	
Bullnose	3.00			3580.00	25.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>45.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Baird Oil Co. LLC

Schemper-Kats #1-6

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

6-4s-21w Norton KS  
Job Ticket: 039881      DST#: 1  
Test Start: 2010.07.16 @ 01:28:01

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 60.00 sec/qt  
Water Loss: 6.32 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2600.00 ppm  
Filter Cake: 2.00 inches

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

Oil API: 32 deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
12.00	OCM o=20% m=80%	0.059
3.00	O o=100%	0.015

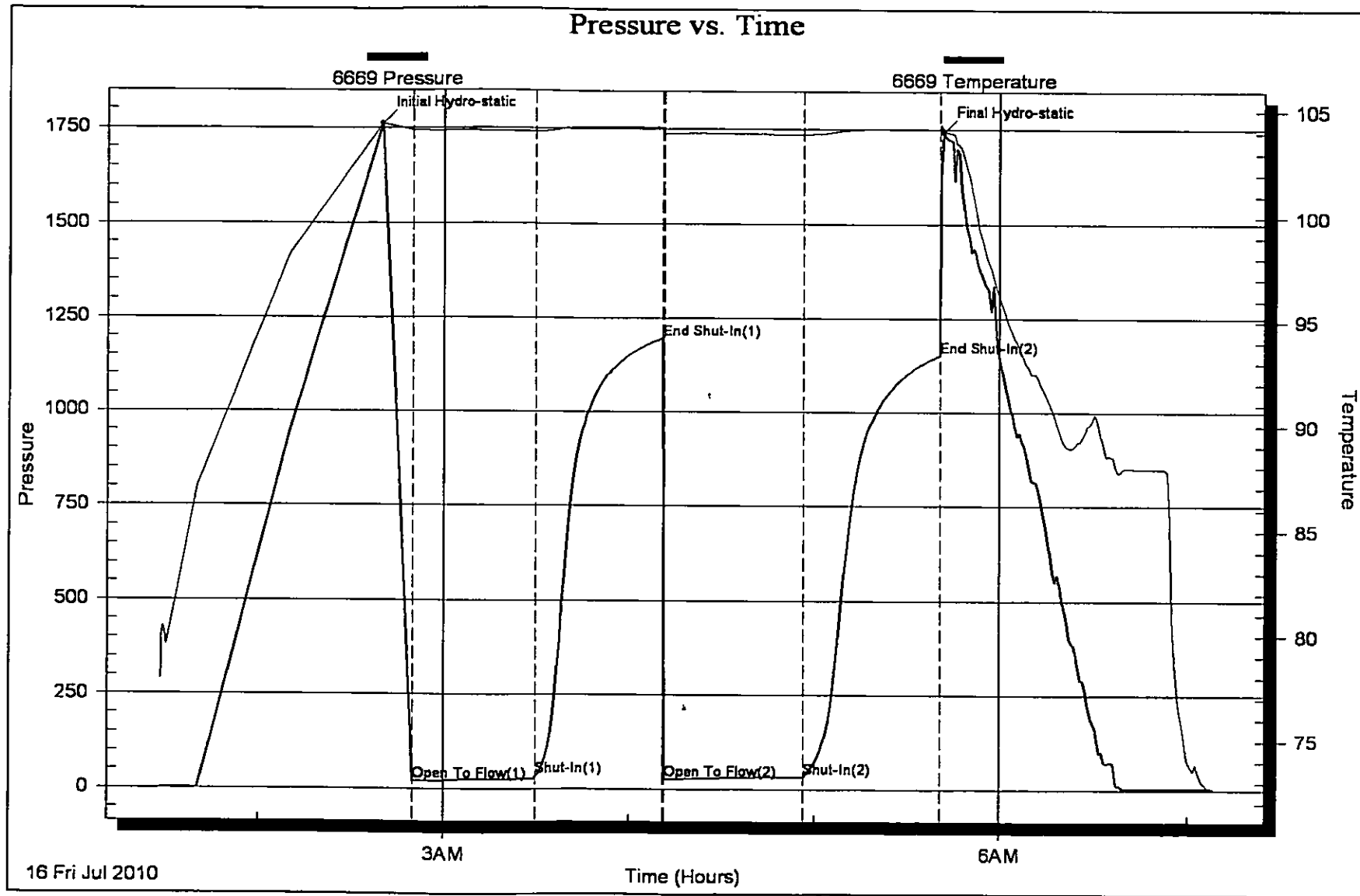
Total Length: 15.00 ft      Total Volume: 0.074 bbl

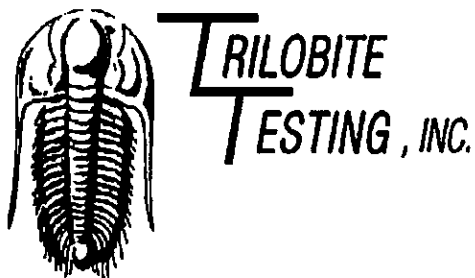
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







## 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 #1-6**

Start Date: 2010.07.16 @ 12:48:01

End Date: 2010.07.16 @ 20:20:30

Job Ticket #: 039882          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 #1-6**

**6-4s-21w Norton KS**

Job Ticket: 039882      DST#: 2

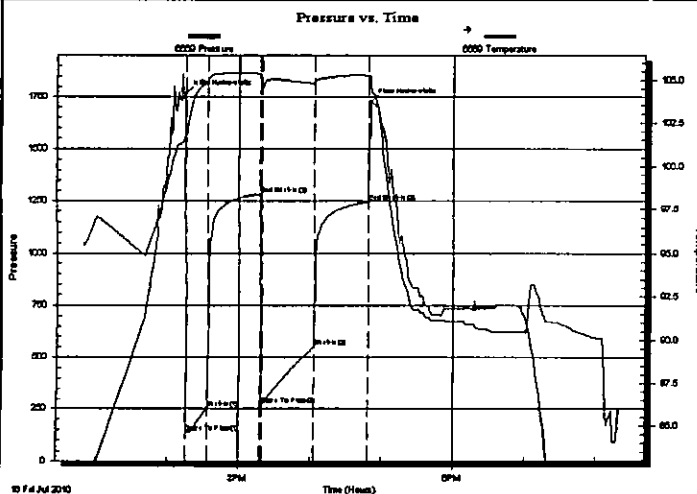
Test Start: 2010.07.16 @ 12:48:01

### GENERAL INFORMATION:

Formation: **LKC "C"**  
 Deviated: **No Whipstock**      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **14:15:15**  
 Tester: **Andy Carreira**  
 Time Test Ended: **20:20:30**  
 Unit No: **53**  
 Interval: **3580.00 ft (KB) To 3604.00 ft (KB) (TVD)**  
 Reference Elevations: **2319.00 ft (KB)**  
 Total Depth: **3604.00 ft (KB) (TVD)**  
**2314.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6669      Outside**  
 Press@RunDepth: **551.53 psig @ 3581.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.07.16**      End Date: **2010.07.16**      Last Calib.: **2010.07.16**  
 Start Time: **12:48:01**      End Time: **20:20:30**      Time On Btm: **2010.07.16 @ 14:14:30**  
 Time Off Btm: **2010.07.16 @ 16:50:15**

**TEST COMMENT:** IF: BOB, 2 min.  
 IS: BOB, 15.5 min after bleedoff  
 FF: BOB, 1 min  
 FS: 8 inch 45 min



### PRESSURE SUMMARY

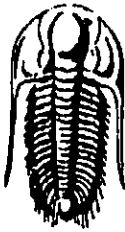
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.84	101.63	Initial Hydro-static
1	135.14	101.65	Open To Flow (1)
19	254.53	104.86	Shut-In(1)
63	1285.68	105.34	End Shut-In(1)
65	269.50	104.54	Open To Flow (2)
109	551.53	104.84	Shut-In(2)
155	1245.34	105.24	End Shut-In(2)
156	1724.60	104.81	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM o=30% m=70%	1.40
1493.00	CO o=100%	20.94
0.00	620 ft GP	0.00

### 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 #1-6

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

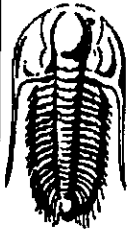
6-4s-21w Norton KS  
Job Ticket: 039882      DST#: 2  
Test Start: 2010.07.16 @ 12:48:01

### Tool Information

Drill Pipe:	Length: 3445.00 ft	Diameter: 3.80 inches	Volume: 48.32 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 48.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3580.00 ft			Final 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			3561.00	
Shut In Tool	5.00			3566.00	
Hydraulic tool	5.00			3571.00	
Packer	5.00			3576.00	20.00      Bottom Of Top Packer
Packer	4.00			3580.00	
Stubb	1.00			3581.00	
Recorder	0.00	6668	Inside	3581.00	
Recorder	0.00	6669	Outside	3581.00	
Perforations	20.00			3601.00	
Bullnose	3.00			3604.00	24.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>44.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Baird Oil Co. LLC

**Schemper-Kats #1-6**

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

**6-4s-21w Norton KS**  
Job Ticket: 039882      DST#: 2  
Test Start: 2010.07.16 @ 12:48:01

**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: 6.32 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 2.00 inches			

**Recovery Information**

Recovery Table

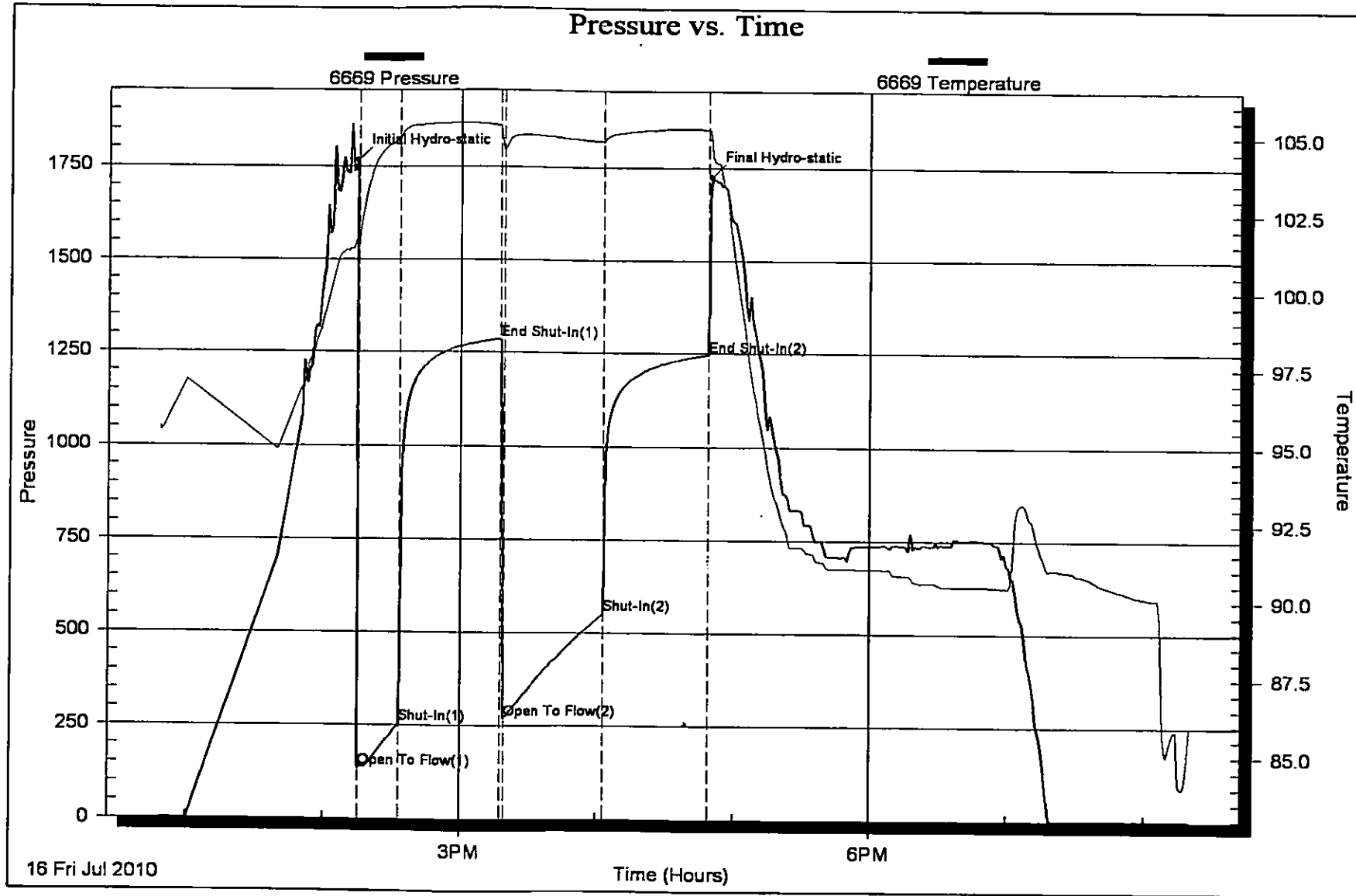
Length ft	Description	Volume bbl
180.00	OCM o=30% m=70%	1.404
1493.00	CO o=100%	20.943
0.00	620 ft GIP	0.000

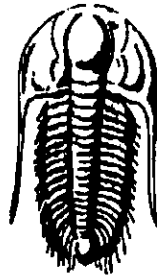
Total Length: 1673.00 ft      Total Volume: 22.347 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

113 W. Main  
PO Box 428  
Logan Ks. 67646

ATTN: Richard Bell

**6-4s-21w Norton KS**

**Schemper-Kats #1-6**

Start Date: 2010.07.17 @ 01:25:01

End Date: 2010.07.17 @ 05:41:45

Job Ticket #: 039883          DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Baird Oil Co. LLC

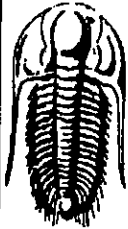
Schemper-Kats #1-6

6-4s-21w Norton KS

DST # 3

LKC "D"

2010.07.17



**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 #1-6

6-4s-21w Norton KS

Job Ticket: 039883      DST#: 3

Test Start: 2010.07.17 @ 01:25:01

### GENERAL INFORMATION:

Formation: **LKC "D"**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 03:03:00  
Time Test Ended: 05:41:45

Test Type: **Conventional Bottom Hole**  
Tester: **Andy Carreira**  
Unit No: **53**

Interval: **3604.00 ft (KB) To 3620.00 ft (KB) (TVD)**  
Total Depth: **3580.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2319.00 ft (KB)**  
**2314.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

Serial #: **6669**

Outside

Press@RunDepth: **26.35 psig @ 3605.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.07.17**

End Date:

**2010.07.17**

Last Calib.: **2010.07.17**

Start Time: **01:25:01**

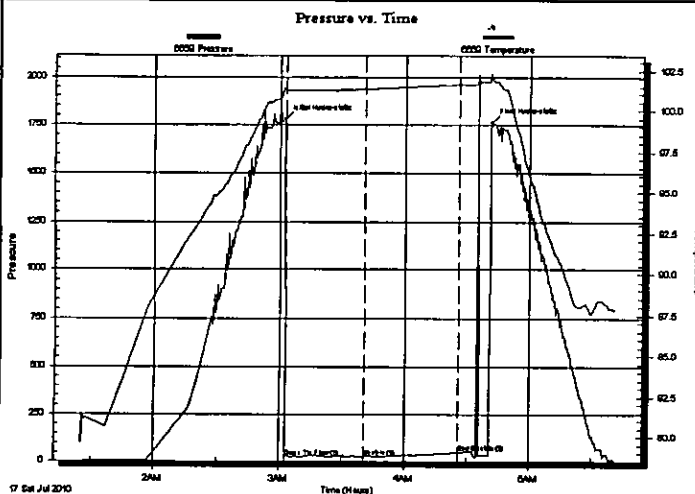
End Time:

**05:41:45**

Time On Btm: **2010.07.17 @ 03:02:15**

Time Off Btm: **2010.07.17 @ 04:41:30**

TEST COMMENT: IF: Weak, died in 30 min.  
IS: No Return  
FF: No Blow, Flushed Tool, No Blow  
FS: ( Pulled Tool )



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.78	101.44	Initial Hydro-static
1	23.19	101.20	Open To Flow (1)
39	26.35	101.35	Shut-In(1)
84	48.44	101.63	End Shut-In(1)
100	1766.37	102.08	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOSM	0.02

### 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 #1-6

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

6-4s-21w Norton KS  
Job Ticket: 039883      DST#: 3  
Test Start: 2010.07.17 @ 01:25:01

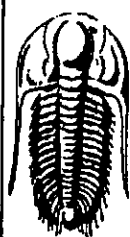
## Tool Information

Drill Pipe:	Length: 3476.00 ft	Diameter: 3.80 inches	Volume: 48.76 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 49.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3604.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3585.00	
Shut In Tool	5.00			3590.00	
Hydraulic tool	5.00			3595.00	
Packer	5.00			3600.00	20.00      Bottom Of Top Packer
Packer	4.00			3604.00	
Stubb	1.00			3605.00	
Recorder	0.00	6668	Inside	3605.00	
Recorder	0.00	6669	Outside	3605.00	
Perforations	12.00			3617.00	
Bullnose	3.00			3620.00	16.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>36.00</b>				



**TRILOBITE**  
**TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC

Schemper-Kats #1-6

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

6-4s-21w Norton KS  
Job Ticket: 039883      DST#: 3  
Test Start: 2010.07.17 @ 01:25:01

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 47.00 sec/qt  
Water Loss: 6.32 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2600.00 ppm  
Filter Cake: 2.00 inches

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

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

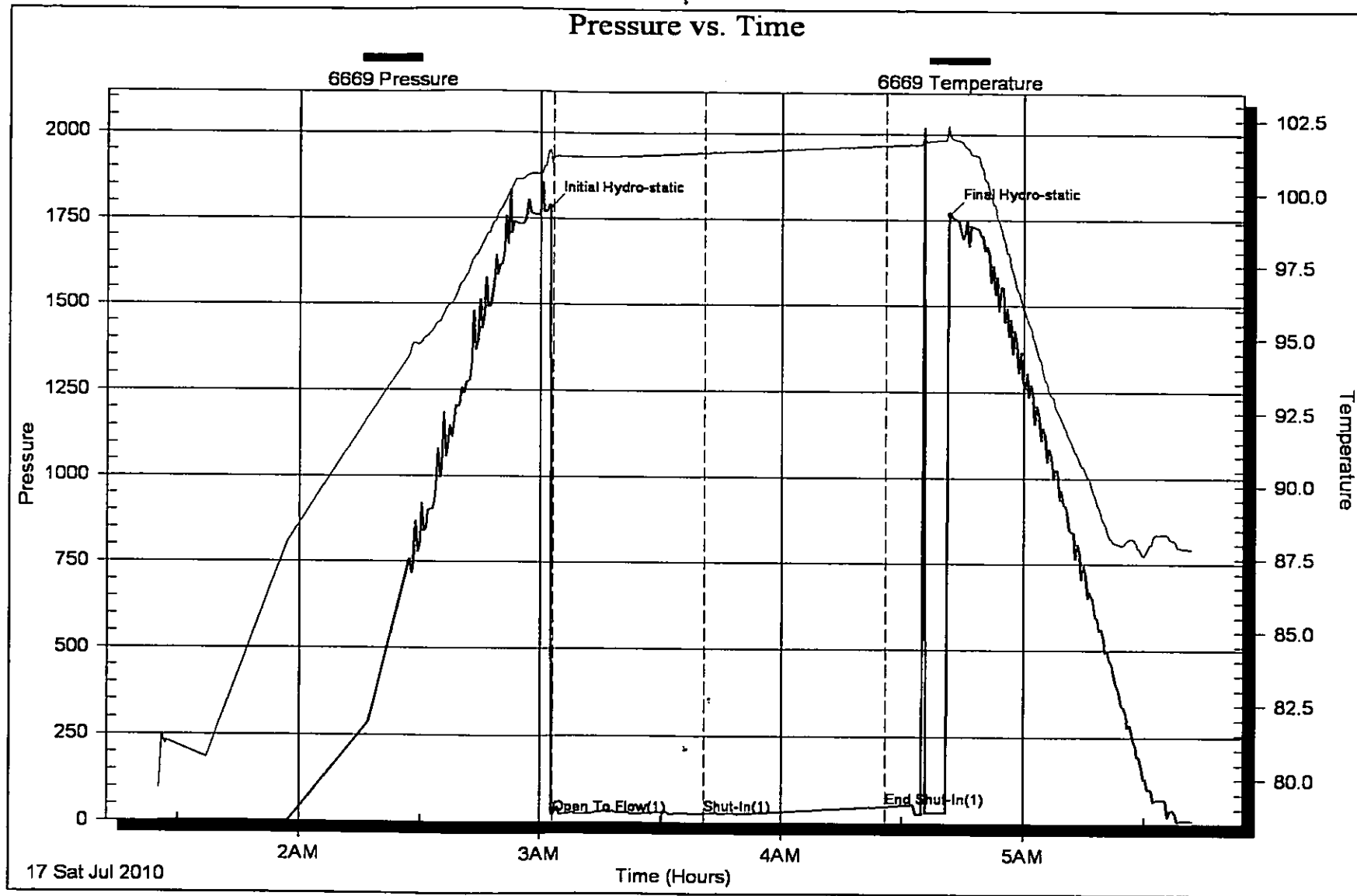
Length ft	Description	Volume bbl
5.00	SOSM	0.025

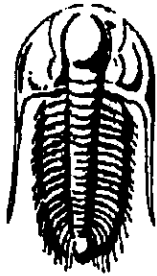
Total Length: 5.00 ft      Total Volume: 0.025 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

113 W. Main  
PO Box 428  
Logan Ks. 67646

ATTN: Richard Bell

**6-4s-21w Norton KS**

**Schemper-Kats #1-6**

Start Date: 2010.07.17 @ 11:07:01

End Date: 2010.07.17 @ 16:16:00

Job Ticket #: 039884      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Baird Oil Co. LLC

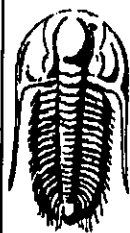
Schemper-Kats #1-6

6-4s-21w Norton KS

DST # 4

LKC "F"

2010.07.17



**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 #1-6**

**6-4s-21w Norton KS**

Job Ticket: 039884      DST#: 4

Test Start: 2010.07.17 @ 11:07:01

### GENERAL INFORMATION:

Formation: **LKC "F"**  
Deviated: **No** Whipstock:      ft (KB)  
Time Tool Opened: 13:43:30  
Time Test Ended: 16:16:00

Test Type: **Conventional Bottom Hole**  
Tester: **Andy Carreira**  
Unit No: **53**

Interval: **3619.00 ft (KB) To 3640.00 ft (KB) (TVD)**  
Total Depth: **3580.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2319.00 ft (KB)**  
**2314.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6669**

**Outside**

Press@RunDepth: **20.51 psig @ 3620.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.07.17**

End Date:

**2010.07.17**

Last Calib.: **2010.07.17**

Start Time: **11:07:01**

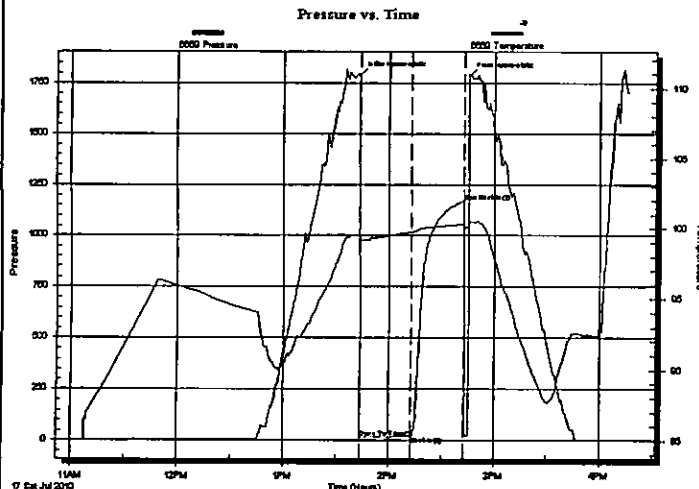
End Time:

**16:16:00**

Time On Btm: **2010.07.17 @ 13:43:00**

Time Off Btm: **2010.07.17 @ 14:45:30**

TEST COMMENT: IF: Weak, died in 10 min.  
IS: No blow  
FF: No blow, Flushed Tool, Surge, No Return  
FS: Pulled Tool



### PRESSURE SUMMARY

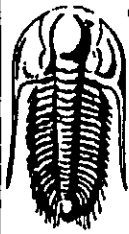
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.99	99.53	Initial Hydro-static
1	12.99	99.21	Open To Flow (1)
30	20.51	99.74	Shut-in(1)
60	1167.75	100.31	End Shut-in(1)
63	1784.19	100.47	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
3.00	OSM	0.01

### 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 #1-6

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

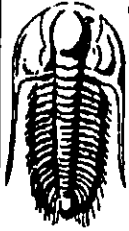
**6-4s-21w Norton KS**  
Job Ticket: 039884      DST#: 4  
Test Start: 2010.07.17 @ 11:07:01

**Tool Information**

Drill Pipe:	Length: 3508.00 ft	Diameter: 3.80 inches	Volume: 49.21 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 49.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3619.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 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
Change Over Sub	1.00			3600.00	
Shut In Tool	5.00			3605.00	
Hydraulic tool	5.00			3610.00	
Packer	5.00			3615.00	20.00 Bottom Of Top Packer
Packer	4.00			3619.00	
Stubb	1.00			3620.00	
Recorder	0.00	6668	Inside	3620.00	
Recorder	0.00	6669	Outside	3620.00	
Perforations	17.00			3637.00	
Bullnose	3.00			3640.00	21.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Co. LLC

**Schemper-Kats #1-6**

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

**6-4s-21w Norton KS**  
Job Ticket: 039884      **DST#: 4**  
Test Start: 2010.07.17 @ 11:07:01

### Mud and Cushion Information

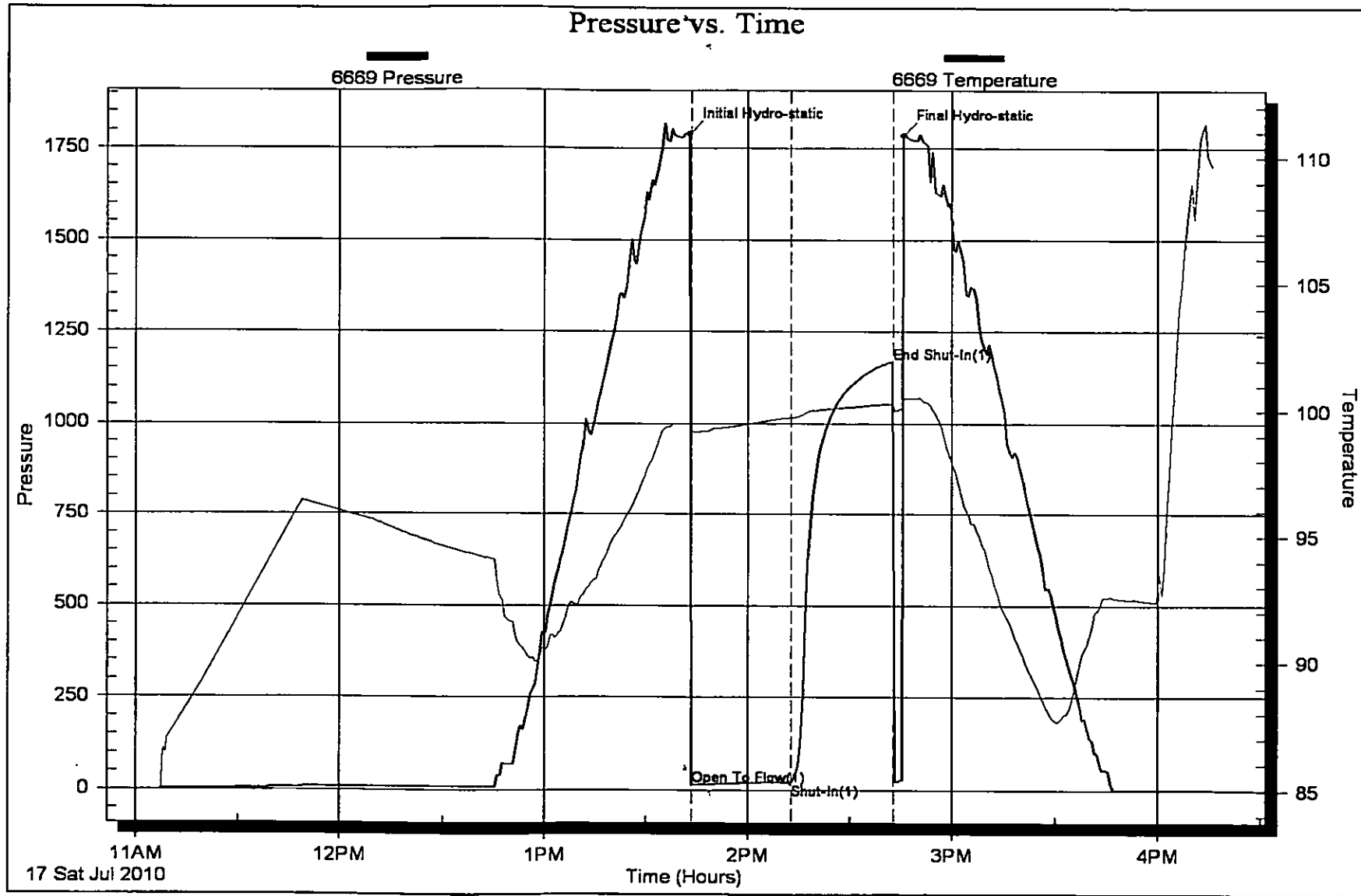
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.35 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 2.00 inches			

### Recovery Information

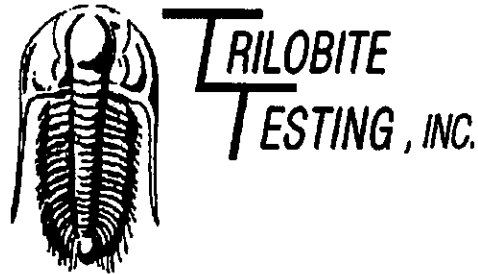
Recovery Table

Length ft	Description	Volume bbl
3.00	OSM	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:







## 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**

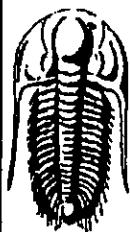
**Schemper-Kats #1-6**

Start Date: 2010.07.18 @ 01:45:01

End Date: 2010.07.18 @ 05:04:15

Job Ticket #: 039885          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

Schemper-Kats #1-6

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

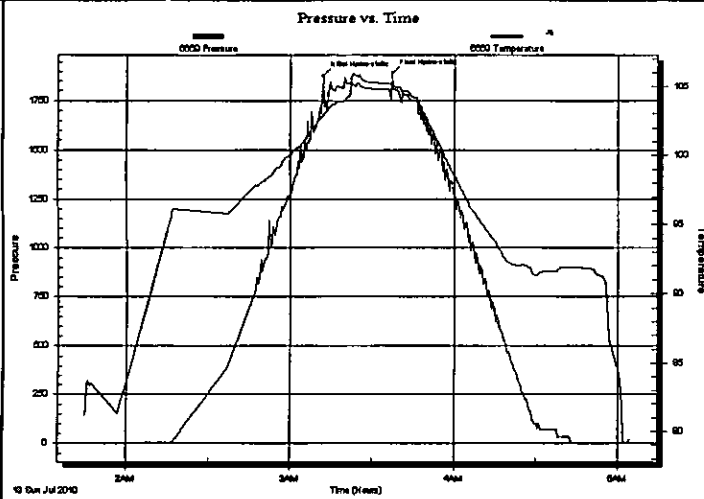
6-4s-21w Norton KS  
Job Ticket: 039885      DST#: 5  
Test Start: 2010.07.18 @ 01:45:01

### GENERAL INFORMATION:

Formation: LKC "J"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 00:00:00  
Time Test Ended: 05:04:15  
Interval: 3707.00 ft (KB) To 3725.00 ft (KB) (TVD)  
Total Depth: 3725.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2319.00 ft (KB)  
2314.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole  
Tester: Andy Carreira  
Unit No: 53

Serial #: 6669      Outside  
Press@RunDepth:      psig @      3714.00 ft (KB)  
Start Date: 2010.07.18      End Date: 2010.07.18      Capacity: 8000.00 psig  
Start Time: 01:45:01      End Time: 05:04:15      Last Calib.: 2010.07.18  
Time On Btm: 2010.07.18 @ 03:11:45  
Time Off Btm: 2010.07.18 @ 03:37:15

TEST COMMENT: Mis-run Packer Failure



### PRESSURE SUMMARY

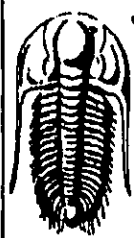
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.77	102.88	Initial Hydro-static
26	1890.84	105.26	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	Drilling Mud	0.59

### 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 #1-6**

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

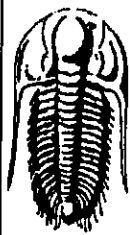
**6-4s-21w Norton KS**  
Job Ticket: 039885      **DST#: 5**  
Test Start: 2010.07.18 @ 01:45:01

**Tool Information**

Drill Pipe:	Length: 3570.00 ft	Diameter: 3.80 inches	Volume: 50.08 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 50.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3713.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter:	inches	

Tool Comments:  
Mis-run, Packer Failure

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3694.00	
Shut In Tool	5.00			3699.00	
Hydraulic tool	5.00			3704.00	
Packer *	5.00			3709.00	20.00 * Bottom Of Top Packer
Packer	4.00			3713.00	
Stubb	1.00			3714.00	
Recorder	0.00	6668	Inside	3714.00	
Recorder	0.00	6669	Outside	3714.00	
Perforations	14.00			3728.00	
Bullnose	3.00			3731.00	18.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Baird Oil Co. LLC

**Schemper-Kats #1-6**

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

**6-4s-21w Norton KS**  
Job Ticket: 039885      DST#: 5  
Test Start: 2010.07.18 @ 01:45:01

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 53.00 sec/qt  
Water Loss: 6.36 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2500.00 ppm  
Filter Cake: 2.00 inches

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

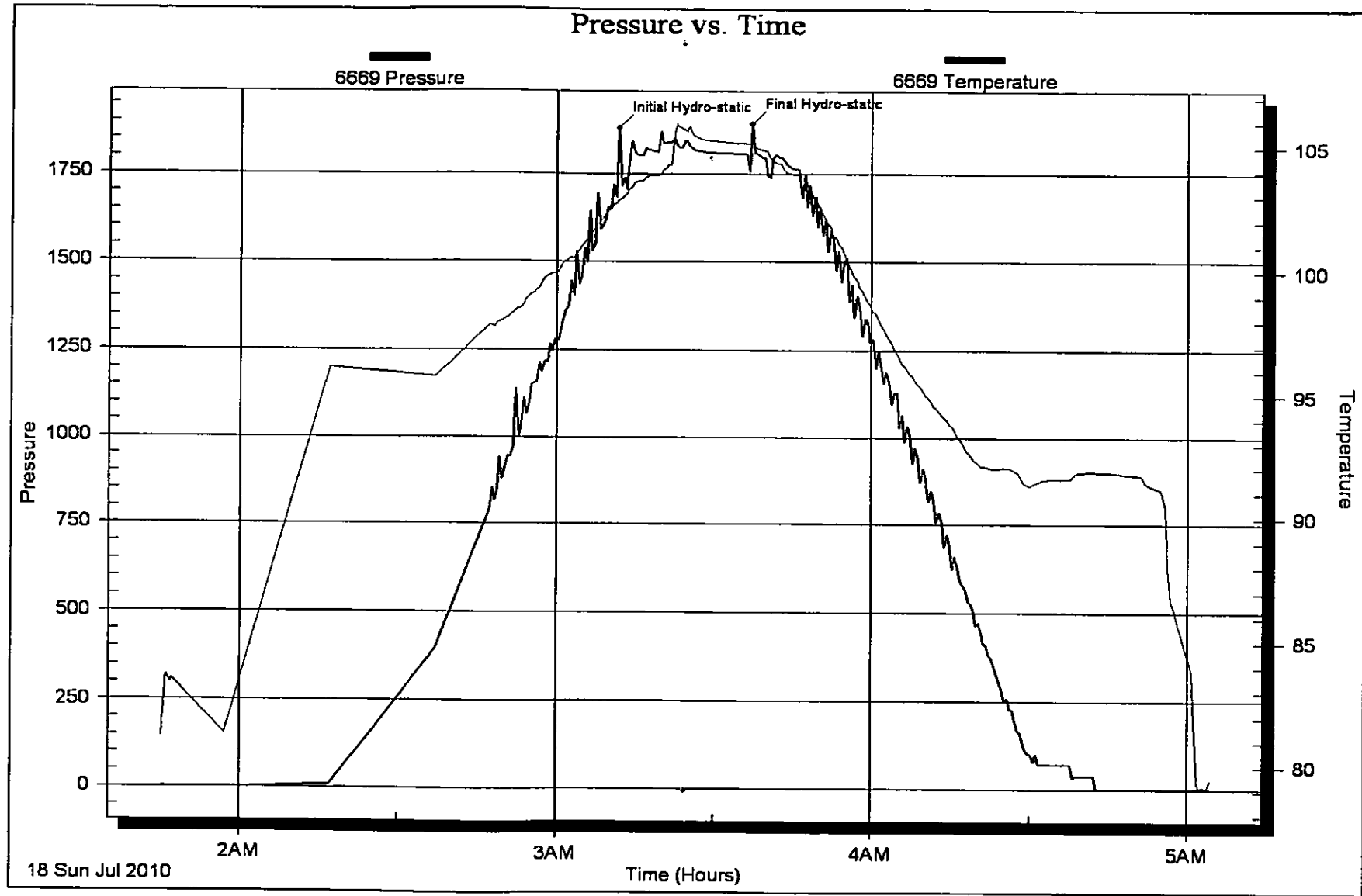
Oil API: deg API  
Water Salinity: ppm

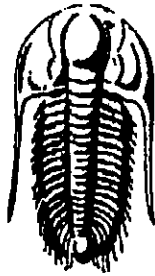
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
120.00	Drilling Mud	0.590

Total Length: 120.00 ft      Total Volume: 0.590 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

113 W. Main  
PO Box 428  
Logan Ks. 67646

ATTN: Richard Bell

**6-4s-21w Norton KS**

**Schemper-Kats #1-6**

Start Date: 2010.07.18 @ 05:37:01

End Date: 2010.07.18 @ 09:28:30

Job Ticket #: 039886          DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Co. LLC

**Schemper-Kats #1-6**

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

**6-4s-21w Norton KS**  
Job Ticket: 039886      DST#: 6  
Test Start: 2010.07.18 @ 05:37:01

## 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: bbl		
Water Loss: 6.36 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

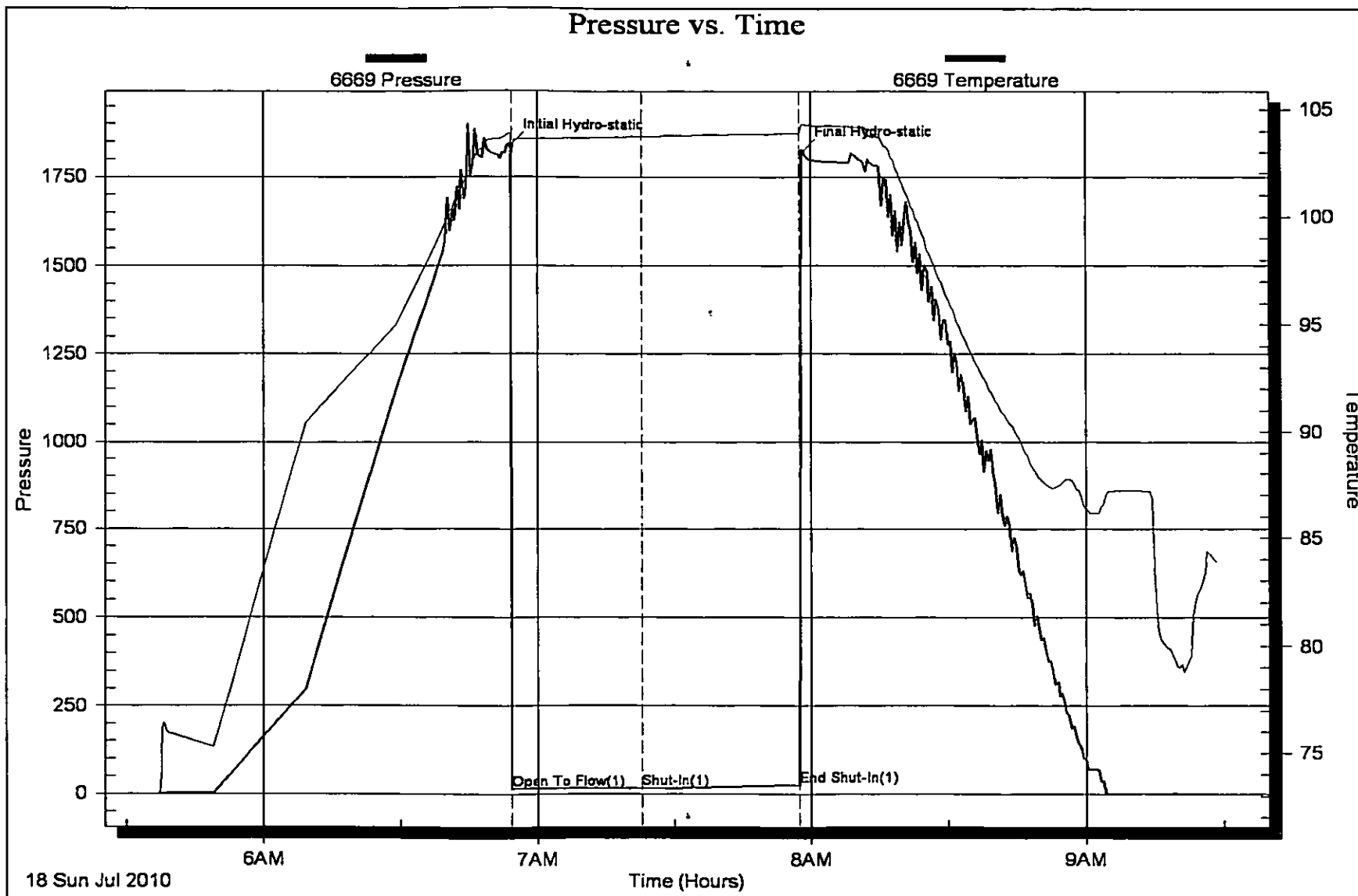
Length ft	Description	Volume bbl
2.00	OSM	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

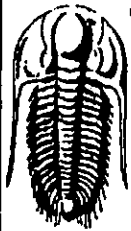
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**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 #1-6**

**6-4s-21w Norton KS**

Job Ticket: 039887      DST#: 7

Test Start: 2010.07.18 @ 18:30:01

**GENERAL INFORMATION:**

Formation: **Marm.**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 19:57:30  
Time Test Ended: 00:54:00

Test Type: **Conventional Bottom Hole**  
Tester: **Andy Carreira**  
Unit No: **53**

Interval: **3738.00 ft (KB) To 3800.00 ft (KB) (TVD)**  
Total Depth: **3580.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2319.00 ft (KB)**  
**2314.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6669**

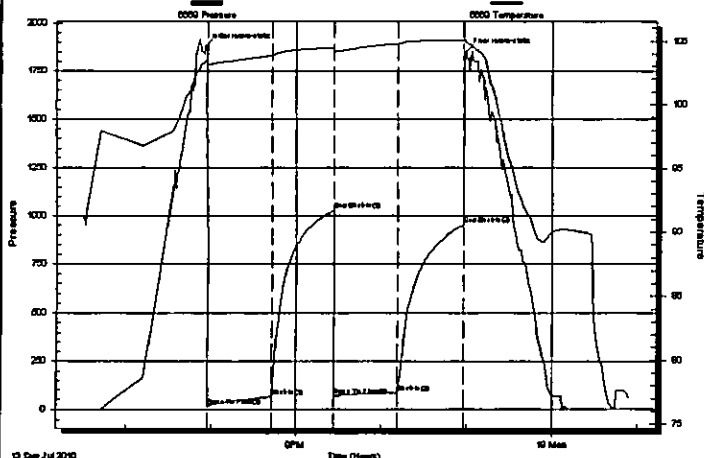
**Outside**

Press@RunDepth: **88.91 psig @ 3739.00 ft (KB)**  
Start Date: **2010.07.18**      End Date: **2010.07.19**  
Start Time: **18:30:01**      End Time: **00:54:00**

Capacity: **8000.00 psig**  
Last Calib.: **2010.07.19**  
Time On Btm: **2010.07.18 @ 19:55:30**  
Time Off Btm: **2010.07.18 @ 22:59:15**

**TEST COMMENT:** IF: Weak, 1.5 inches, steady  
IS: No return  
FF: Weak, half inch, steady  
FS: No return

Pressure vs. Time



**PRESSURE SUMMARY**

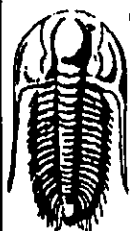
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.15	103.36	Initial Hydro-static
2	18.80	103.14	Open To Flow (1)
47	65.27	103.86	Shut-In(1)
92	1028.10	104.46	End Shut-In(1)
92	69.86	104.12	Open To Flow (2)
137	88.91	104.77	Shut-In(2)
183	953.87	105.07	End Shut-In(2)
184	1846.41	104.99	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
150.00	MW m=40% W=60%	0.98

**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 #1-6**

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

**6-4s-21w Norton KS**

Job Ticket: 039887      DST#: 7  
Test Start: 2010.07.18 @ 18:30:01

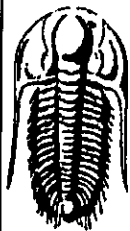
### Tool Information

Drill Pipe:	Length: 3605.00 ft	Diameter: 3.80 inches	Volume: 50.57 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
			<b>Total Volume: 51.17 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3738.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	82.00 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			3719.00	
Shut In Tool	5.00			3724.00	
Hydraulic tool	5.00			3729.00	
Packer	5.00			3734.00	20.00      Bottom Of Top Packer
Packer	4.00			3738.00	
Stubb	1.00			3739.00	
Recorder	0.00	6668	Inside	3739.00	
Recorder	0.00	6669	Outside	3739.00	
Perforations	5.00			3744.00	
Change Over Sub	1.00			3745.00	
Drill Pipe	32.00			3777.00	
Change Over Sub	1.00			3778.00	
Perforations	19.00			3797.00	
Bullnose	3.00			3800.00	62.00      Bottom Packers & Anchor

**Total Tool Length: 82.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Baird Oil Co. LLC

**Schemper-Kats #1-6**

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

**6-4s-21w Norton KS**  
Job Ticket: 039887      DST#: 7  
Test Start: 2010.07.18 @ 18:30:01

## 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:	16000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	MW m=40% W=60%	0.984

Total Length: 150.00 ft      Total Volume: 0.984 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW .35 @ 80F = 16000 ppm chlorides

