



KANSAS CORPORATION COMMISSION 1062057
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1062057

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

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

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ 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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Baird Oil Company LLC
Well Name	Esslinger Ranch, Inc 5-35
Doc ID	1062057

Tops

Name	Top	Datum
Anhydrite	1998	+331
Base Anhydrite	2027	+302
Topeka	3316	-987
Heebner	3513	-1184
Toronto	3540	-1211
Lansing	3557	-1228
Base Kansas City	3743	-1414
Marmaton	3772	-1443
PreCambrian	3786	-1457
Total Depth	3812	-1483

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 09, 2011

Jim R. Baird
Baird Oil Company LLC
113 W MAIN
PO BOX 428
LOGAN, KS 67646

Re: ACO1
API 15-137-20578-00-00
Esslinger Ranch, Inc 5-35
NE/4 Sec.35-03S-22W
Norton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jim R. Baird

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
8/12/2011	19746

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	#5-25	Eslinger Ranch	Norton	WW Drilling #8	Oil	Development	Surface Pipe	Nick
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)				1	Job	1,000.00	1,000.00
290	D-Air				2	Gallon(s)	35.00	70.00T
325	Standard Cement				160	Sacks	13.50	2,160.00T
278	Calcium Chloride				5	Sack(s)	40.00	200.00T
279	Bentonite Gel				3	Sack(s)	25.00	75.00T
581D	Service Charge Cement				160	Sacks	2.00	320.00
583D	Drayage				629.5	Ton Miles	1.00	629.50
	Subtotal							4,934.50
	Sales Tax Norton County						7.05%	176.60
	<p>RS/16/2011 P 8/16/2011 Esslinge 190402 5111.10 Esslinger Ranch Inc 5-35- Pump Charge, cement & other misc used to cement surface casing</p>							

We Appreciate Your Business!

Total

\$5,111.10



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

TICKET
 19746

PAGE 1 OF 1

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

WELL/PROJECT NO. 5-25
 LEASE Eslinger Ranch
 COUNTY/PARISH Norton
 STATE Ks
 CITY

TICKET TYPE SERVICE
 SALES
 CONTRACTOR W & W #8
 RIG NAME NO.
 SHIPPED VIA CH
 DELIVERED TO Location

WELL TYPE oil
 WELL CATEGORY Development
 JOB PURPOSE Surface Pipe
 WELL PERMIT NO.
 WELL LOCATION

INVOICE INSTRUCTIONS

DATE 8-12-11
 ORDER NO.
 OWNER same

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					H 111	80	mi				6.00	480.00
5765					Pump Charge (Shallow Surface)	1	sq	2			1000.00	1000.00
290					D-Air	2	gal				35.00	70.00
325					Standard Cement	160	shs				13.50	2160.00
278					Calcium Chloride	5	shs				40.00	200.00
279					Bentonite gel	3	shs				25.00	75.00
581					Cement Service Charge	160	shs				2.00	320.00
583					Drayage	629.5	TM				1.00	629.50

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 8-12-11 TIME SIGNED 1900
 AM
 P.M.

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

SURVEY

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

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 4934.50
 TAX 176.60
 TOTAL 5111.10

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

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

SWIFT OPERATOR Ally G. Kofke APPROVAL

Thank You!

SWIFT



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



Invoice

DATE	INVOICE #
8/19/2011	20257

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	#5-35	Esslinger Ra...	Norton	WW Drilling #8	Oil	Development	LongString	Dave
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
280	Flocheck 21				500	Gallon(s)	2.50	1,250.00T
290	D-Air				2	Gallon(s)	35.00	70.00T
402-5	5 1/2" Centralizer				11	Each	70.00	770.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
411-5	5 1/2" Recipo Scratcher				30	Each	45.00	1,350.00T
325	Standard Cement				200	Sacks	13.50	2,700.00T
326	60/40 Pozmix (2% Gel)				40	Sacks	11.00	440.00T
276	Flocele				50	Lb(s)	2.00	100.00T
277	Gilsonite (Coal Seal)				400	Lb(s)	0.75	300.00T
283	Salt				1,550	Lb(s)	0.20	310.00T
285	CFR-1				100	Lb(s)	4.00	400.00T
581D	Service Charge Cement				240	Sacks	2.00	480.00
583D	Drayage				967.68	Ton Miles	1.00	967.68
	Subtotal							14,417.68
	Sales Tax Norton County						7.05%	774.80
	<p style="text-align: center;">R 8/23/2011 P 8/23/2011 Esslinger 190402 15192.48 Esslinger Ranch Inc 5.35 - Pump Charge, Cement + other misc expenses used to cement production casing</p>							

We Appreciate Your Business!

Total

\$15,192.48



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

TICKET
20257

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>NAZ</u>	WELL/PROJECT NO. <u>535</u>	LEASE <u>ESSELMEYER BAYH</u>	COUNTY/PARISH <u>DEBORD</u>	STATE <u>MS</u>	CITY	DATE <u>08-19-11</u>	OWNER
2. <u>NESS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>WINDYLL # 8</u>	SHIPPED VIA <u>CR</u>	DELIVERED TO <u>NE DENSMORE</u>	ORDER NO.	
3.	WELL TYPE <u>DIE</u>	WELL CATEGORY <u>DEVELOP</u>	JOB PURPOSE <u>LOOKSTAKE</u>	WELL PERMIT NO. <u>15137-20578</u>	WELL LOCATION <u>535 T3 222</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575				MILEAGE #112	80	m			6.00	480.00
578				Pump Service	1	EA			1500.00	1500.00
481				LIQUORIC	2	EA			25.00	50.00
280				FLOATED	500	GM			2.50	1250.00
280				DIE	2	EA			35.00	70.00
402				CERTIFICATE	11	EA			70.00	770.00
403				BAND	1	EA			250.00	250.00
404				BAR GAUGE	1	EA			2400.00	2400.00
406				LATCH DOWN RIG BATTER	1	EA			250.00	250.00
407				TRUSS FROM STEEL BRACKET FILE	1	EA			350.00	350.00
411				DECAL SIGNATURES	30	EA			45.00	1350.00

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

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

X Richard Bell
 DATE SIGNED 08-19-11 TIME SIGNED 1100 A.M. P.M.

REMIT PAYMENT TO:

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

SURETY

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?

YES NO

CUSTOMER DID NOT WISH TO RESPOND

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	UN-DECIDED	DIS-AGREE	8720	00
WE UNDERSTOOD AND MET YOUR NEEDS?			5697	68
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			505	68
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			774	80
ARE YOU SATISFIED WITH OUR SERVICE?			15,192	48
TOTAL				

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

SWIFT OPERATOR DanebH

APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 20257

CUSTOMER Baird Dr

WELL 5-35, Essumet Patch

DATE 08-19-11

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY.	UM	QTY.	UM	PRICE	AMOUNT
325		2				STD CNT	200	SY	13.50		2700.00	
326		2				60-40 Puz 2" x 3/4"	40	SY	11.00		440.00	
276		2				FUDGE	50	LB	2.00		100.00	
277		2				GRASSHOPPER	400	LB	75		300.00	
283		2				SPY	1550	LB	20		310.00	
285		2				CR1	100	LB	4.00		400.00	
581		2				SEWING MACHINE CNT	240	SY	2.00		480.00	
583		2				DRAYNE	967.68	TM	1.00		967.68	
						SERVICE CHARGE						
						MILEAGE CHARGE						
						TOTAL WEIGHT						
						LOADED MILES						
						CUBIC FEET						
						TON MILES						

CONTINUATION TOTAL 5697.68

JOB LOG

SWIFT Services, Inc.

DATE 08/19/11 PAGE NO. 1

CUSTOMER Baird Oil WELL NO. 5-35 LEASE ESSLER RANCH JOB TYPE LONGSTRING TICKET NO. 20257

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							ON LOCATION CMT: 40 SUS 60-40 POZ 2" GEL, 10 1/4" GELSONITE 200 SUS STD, 1" PLUG, 18 1/2" SMT, 1 1/2" OCP-1
								RTO 3810, SET PIPE 3809, SET 43.80, TMSLT 3765 5 1/2" 14" POX COLLARD TOP #41, 2018 FT CENT 1-10, 40 BASSET 41 30, REC IPD SCARCHERS, FIRST 10 JOINTS, 3 PER JOINT
	1130							START C/S FLOWMETER
	1310							TAG SYSTEM, DISP BALL
	1315							BREAK CIRC, RECIPITATE PIPE
	1420		7					PLUG RH 30 SUS 60-40
	1425	5.5	15.0	-				HCL FLUSH
			12.0	-			200	500 GAL FLOCHECK 21
			5.0	-				HCL FLUSH
			4.0	-				60-40 POZ CMT
	1440		43.5	-				STD CMT
								DROPPED PLUG, WASHOUT PL
	1445	60	0	-			200	START DISP
			80.0	-			600	
			85.0	-			700	
			90.0	-			750	
	1500		91.8	-			1400	LAND PLUG RELEASE DRY!
	1545							THANK YOU! DAVE, JOSH B, JOE

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
8/22/2011	20261

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	#5-35	Esslinger Ra...	Norton	Poe Servicing, Inc.	Oil	Development	Cement Port Collar	Dave

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	6.00	480.00
576D-D	Pump Charge - Port Collar	1	Job	1,250.00	1,250.00
290	D-Air	2	Gallon(s)	35.00	70.00T
105	5 1/2" Port Collar Tool Rental With Man	1	Each	350.00	350.00T
330	Swift Multi-Density Standard (MIDCON II)	180	Sacks	16.50	2,970.00T
276	Flocele	50	Lb(s)	2.00	100.00T
581D	Service Charge Cement	225	Sacks	2.00	450.00
583D	Drayage	898.4	Ton Miles	1.00	898.40
	Subtotal				6,568.40
	Sales Tax Norton County			7.05%	246.05
	<p>R 8/25/2011</p> <p>P 8/25/2011</p> <p>Esslinge 190402 6224.45</p> <p>Esslinger Ranch Inc 5-35 - Pump change, cement + other misc expenses used to cement port collar</p> <p>Esslinge 190402 590.00</p> <p>Esslinger Ranch Inc 5-35 - Rental of port collar + man when cementing port collar</p>				

We Appreciate Your Business!	Total	\$6,814.45
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CHARGE TO: Barrod Oil
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 20261

PAGE 1 OF 1

SERVICE LOCATIONS
 1. HAS WELL/PROJECT NO. 5-35 LEASE Essexwell Ranch COUNTY/PARISH Noroton STATE MS CITY
 2. NESS TICKET TYPE SERVICE CONTRACTOR POE RIG NAME/NO. POE SHIPPED VIA CT DELIVERED TO Mr. Desmarke ORDER NO. 08-22-11 OWNER
 3. WELL TYPE DIL WELL CATEGORY Develop JOB PURPOSE CMT: PortCowan WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575												
576-D					Pump Service	1 EA					1250.00	1250.00
090					DAIR	2 YHR					35.00	70.00
105					Port Cowan Tax Rental	1 EA					350.00	350.00
330					SND CMT	180 SY					16.50	2970.00
076					FDOCEE	50 LB					2.00	100.00
581					Service Charge CMT	225 SY					2.00	450.00
583					DAIRY	898.4 Tm					1.00	898.40

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

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

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 6,568.40
 TAX 7.05%
 TOTAL 6,814.45

DATE SIGNED 08-22-11 TIME SIGNED 1:55
 A.M. P.M.

DATE SIGNED 08-22-11 TIME SIGNED 1:55
 A.M. P.M.

DATE SIGNED 08-22-11 TIME SIGNED 1:55
 A.M. P.M.

DATE SIGNED 08-22-11 TIME SIGNED 1:55
 A.M. P.M.

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

JOB LOG

SWIFT Services, Inc.

DATE 7/22/11 PAGE NO. 1

CUSTOMER BAIRD OIL WELL NO. 5-35 LEASE ESSLINER RANCH JOB TYPE CMT: PORT COLLAR TICKET NO. 20261

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1245							ON LOCATION CMT: 225 smd 'H * P10 2 3/8 x 5 1/2 PORT COLLAR @ 2018	
	1300							START PCTOOL IN HOLE LOCATE P.C. INSTALL RUBBER	
	1445				✓	✓	1000	1000	PSZ TEST
		3.0	40	✓			400		OPEN P.C. INJECTION RATE, GOOD BLOW
		3.0	0	✓			400		START CMT @ 11.2"
		4.5	50	✓			500		" TO CIRC MUD
		4.5	950	✓			500		CIRC CMT TO PRT! 1556
	1505	4.5	980	✓			500		END 180 SIS
									BROKE DRIVE SHAFT TO HT PUMP
	1515	2.5	40	✓			100		DISP CMT w/ BOOST PUMP END
	1518								CLOSE P.C. WAIT ON TRIPLEX PUMP, FROM WELLS RUN IN 5 JOINTS
	1630	1.7	0	✓			300		REV. OUT CMT TB6 @ 2175
		}	60	✓			275		67 FLO
			130	✓			200		2nd FLO
			250	✓			75		CLEAN
									RUN IN 25 MORE JOINTS
	1725	1.7	0	✓			100		REV. OUT TB6 @ 2963
		}	12	✓					COLORRED WATER 1 bbl
			28	✓					COLORRED WATER 1 bbl
	1750		40	✓					ALL CLEAN
	1800								PULL P.C. TOOL
	1930								THANK YOU! DAVE JOSHUA, LANE



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

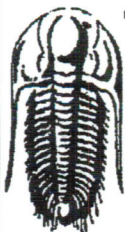
Esslinger Ranch Inc #5-35

Start Date: 2011.08.16 @ 02:05:32

End Date: 2011.08.16 @ 07:29:26

Job Ticket #: 43444 DST #: 1

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43444

DST#: 1

ATTN: Jim Baird

Test Start: 2011.08.16 @ 02:05:32

GENERAL INFORMATION:

Formation: **LKC "A"**

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

Time Tool Opened: 04:00:27

Time Test Ended: 07:29:26

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3546.00 ft (KB) To 3571.00 ft (KB) (TVD)**

Reference Elevations: 2329.00 ft (KB)

Total Depth: 3571.00 ft (KB) (TVD)

2324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 28.20 psig @ 3547.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.16

End Date:

2011.08.16

Last Calib.: 2011.08.16

Start Time: 02:00:00

End Time:

07:23:54

Time On Btm: 2011.08.16 @ 03:51:55

Time Off Btm: 2011.08.16 @ 06:00:25

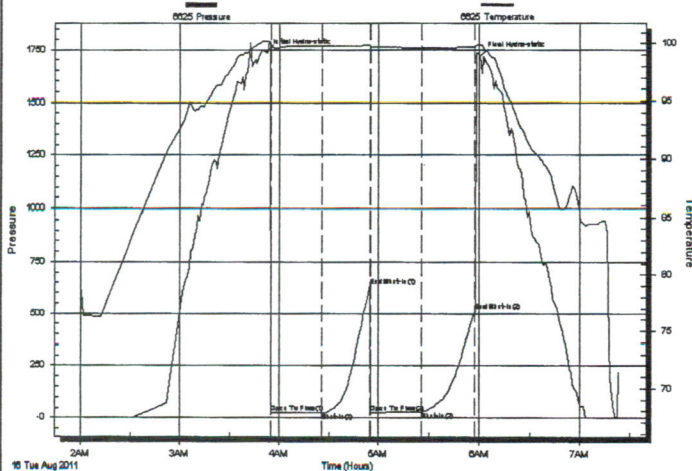
TEST COMMENT: 30-IFP-very w k bl ,died in 25 min

30-ISIP-no bl

30-FFP-no bl

30-FSIP-no bl

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1737.18	100.21	Initial Hydro-static
3	22.41	99.78	Open To Flow (1)
34	24.33	99.77	Shut-In(1)
63	632.72	99.85	End Shut-In(1)
64	26.06	99.71	Open To Flow (2)
94	28.20	99.63	Shut-In(2)
125	513.25	99.71	End Shut-In(2)
129	1719.29	99.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	HOCM 20%O80%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

ATTN: Jim Baird

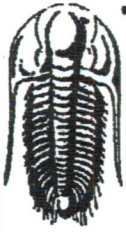
Job Ticket: 43444 **DST#: 1**
Test Start: 2011.08.16 @ 02:05:32

Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3546.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 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			3526.00	
Shut In Tool	5.00			3531.00	
Hydraulic tool	5.00			3536.00	
Packer	5.00			3541.00	21.00 Bottom Of Top Packer
Packer	5.00			3546.00	
Stubb	1.00			3547.00	
Recorder	0.00	6625	Inside	3547.00	
Recorder	0.00	8700	Outside	3547.00	
Perforations	21.00			3568.00	
Bullnose	3.00			3571.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

ATTN: Jim Baird

Job Ticket: 43444

DST#: 1

Test Start: 2011.08.16 @ 02:05:32

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	HOCM20%O80%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

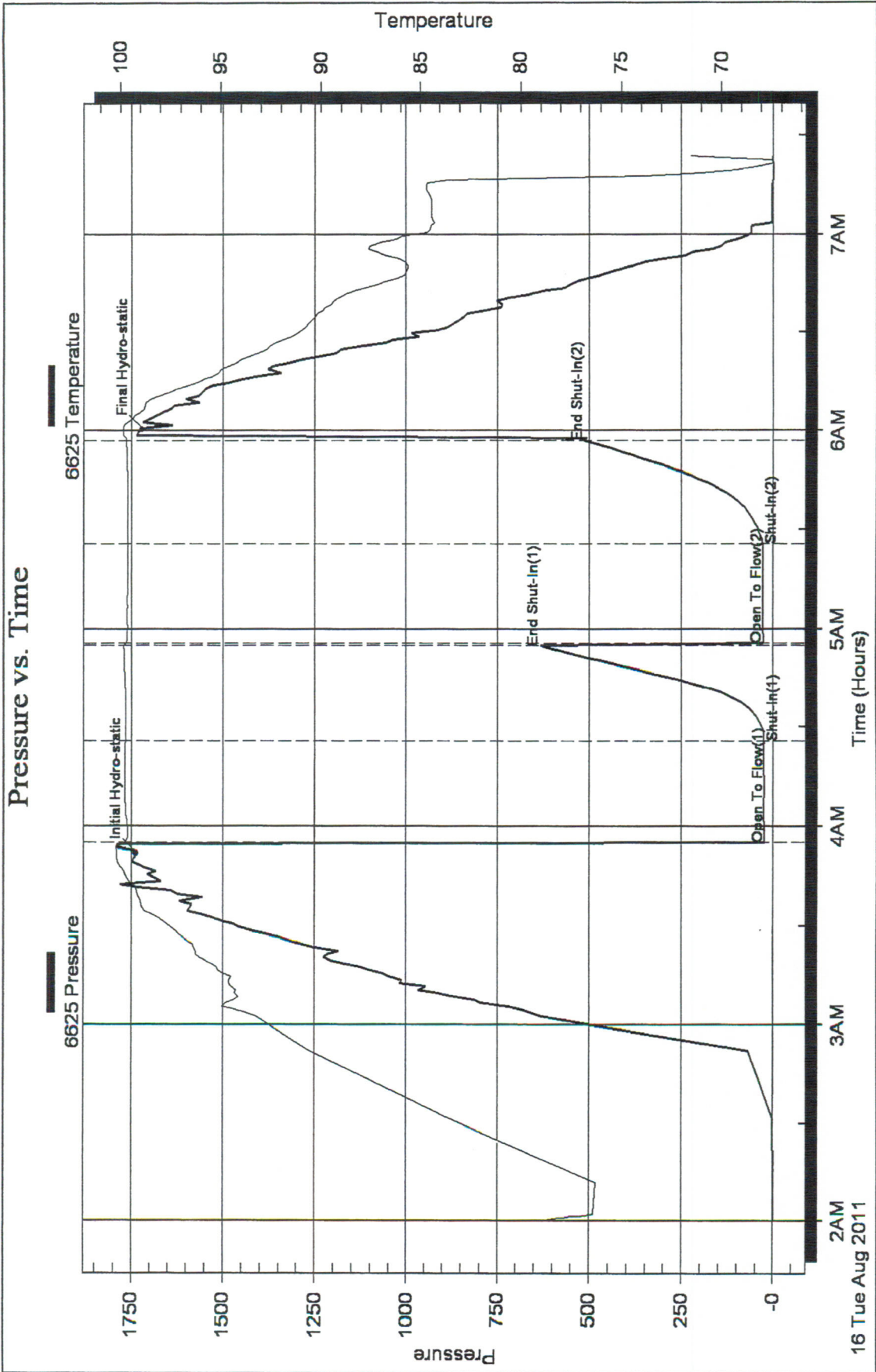
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

Esslinger Ranch Inc #5-35

Start Date: 2011.08.16 @ 14:10:23

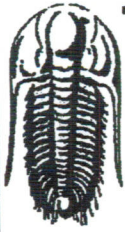
End Date: 2011.08.16 @ 19:13:17

Job Ticket #: 43445 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

Esslinger Ranch Inc #5-35

35-3s-22w Logan,KS

Job Ticket: 43445

DST#: 2

Test Start: 2011.08.16 @ 14:10:23

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 15:51:48

Time Test Ended: 19:13:17

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3573.00 ft (KB) To 3593.00 ft (KB) (TVD)**

Total Depth: 3593.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2329.00 ft (KB)

2324.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 17.24 psig @ 3574.00 ft (KB)

Start Date: 2011.08.16

End Date:

2011.08.16

Start Time: 14:10:23

End Time:

19:13:17

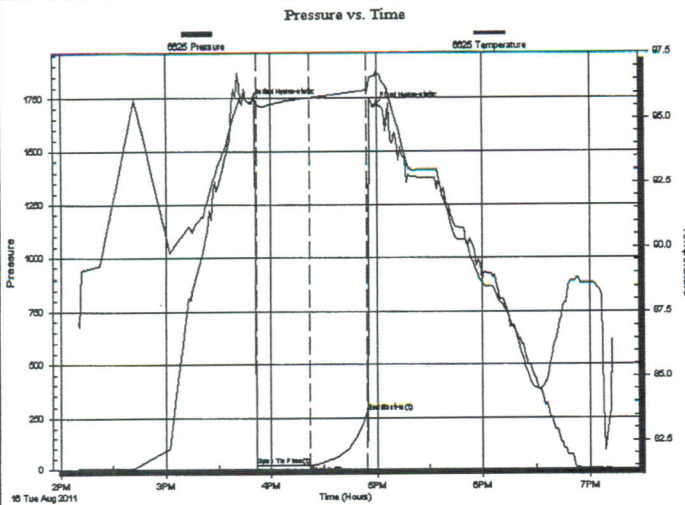
Capacity: 8000.00 psig

Last Calib.: 2011.08.16

Time On Btrm 2011.08.16 @ 15:48:18

Time Off Btrm 2011.08.16 @ 16:58:18

TEST COMMENT: 30-IFP-surge, then dead thru-out
30-ISIP-no bl
out w/ tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1727.85	95.78	Initial Hydro-static
4	15.88	95.52	Open To Flow (1)
34	17.24	95.80	Shut-In(1)
66	277.65	96.11	End Shut-In(1)
70	1711.06	96.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	OCM 10%O90%M	0.00
0.00	w/show of co top of tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43445

DST#: 2

ATTN: Jim Baird

Test Start: 2011.08.16 @ 14:10:23

Tool Information

Drill Pipe:	Length: 3452.00 ft	Diameter: 3.80 inches	Volume: 48.42 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3573.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3553.00	
Shut In Tool	5.00			3558.00	
Hydraulic tool	5.00			3563.00	
Packer	5.00			3568.00	21.00 Bottom Of Top Packer
Packer	5.00			3573.00	
Stubb	1.00			3574.00	
Recorder	0.00	6625	Inside	3574.00	
Recorder	0.00	8700	Outside	3574.00	
Perforations	16.00			3590.00	
Bullnose	3.00			3593.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

ATTN: Jim Baird

Job Ticket: 43445 DST#: 2

Test Start: 2011.08.16 @ 14:10:23

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 6.73 in³
Resistivity: ohm.m
Salinity: 1600.00 ppm
Filter Cake: 1.00 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
1.00	OCM 10%O90%M	0.005
0.00	w/show of co top of tool	0.000

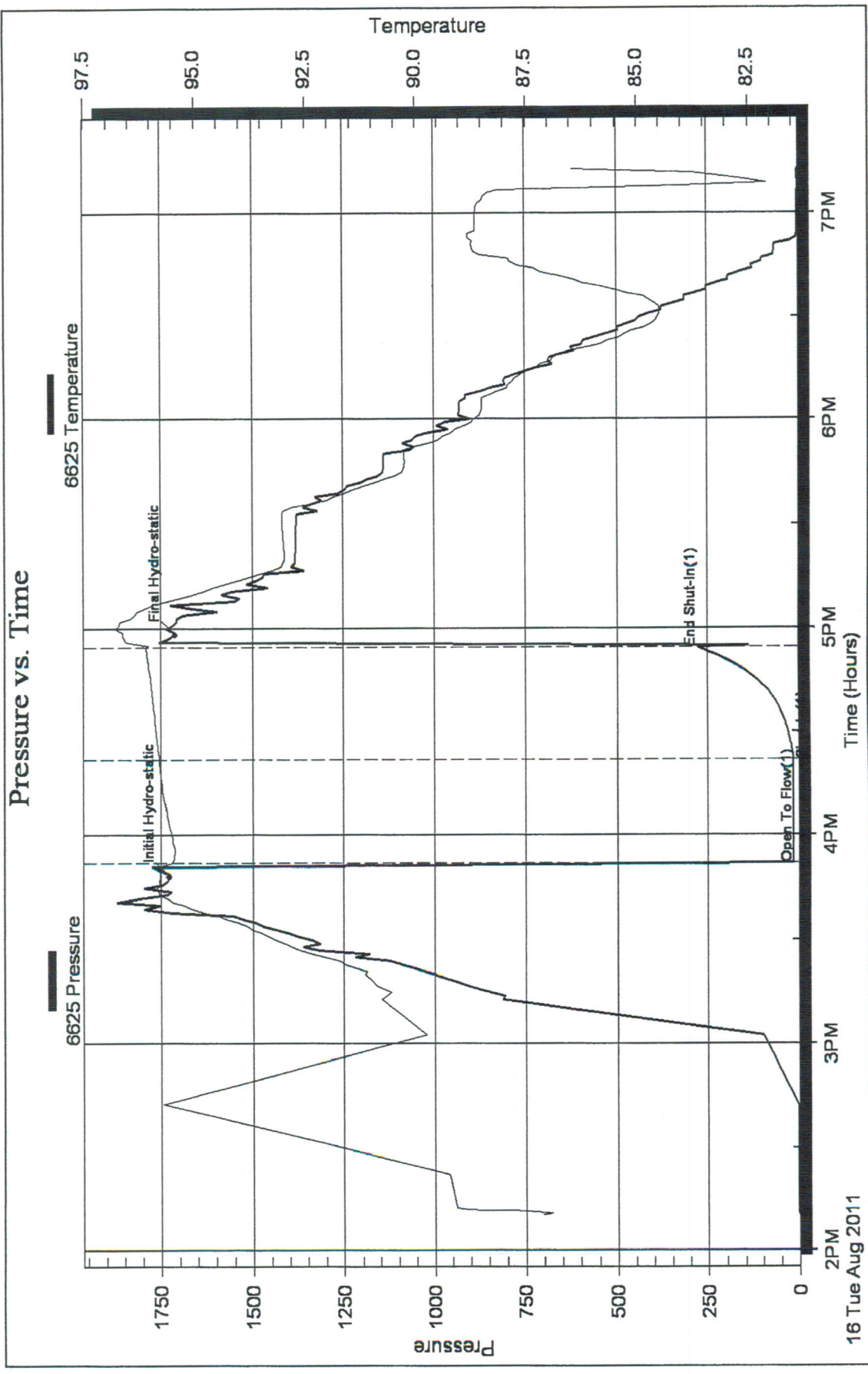
Total Length: 1.00 ft Total Volume: 0.005 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

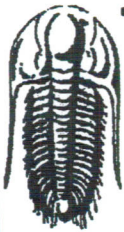
Esslinger Ranch Inc #5-35

Start Date: 2011.08.17 @ 01:25:07

End Date: 2011.08.17 @ 09:19:31

Job Ticket #: 43446 DST #: 3

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Company LLC

PO Box 428
Logan KS 67646

ATTN: Jim Baird

Esslinger Ranch Inc #5-35

35-3s-22w Logan,KS

Job Ticket: 43446

DST#: 3

Test Start: 2011.08.17 @ 01:25:07

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:41:32

Time Test Ended: 09:19:31

Interval: **3592.00 ft (KB) To 3609.00 ft (KB) (TVD)**

Total Depth: 3609.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Reference Elevations: 2329.00 ft (KB)

2324.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6625

Inside

Press@RunDepth: 146.83 psig @ 3593.00 ft (KB)

Start Date: 2011.08.17

End Date:

2011.08.17

Capacity: 8000.00 psig

Last Calib.: 2011.08.17

Start Time: 01:25:07

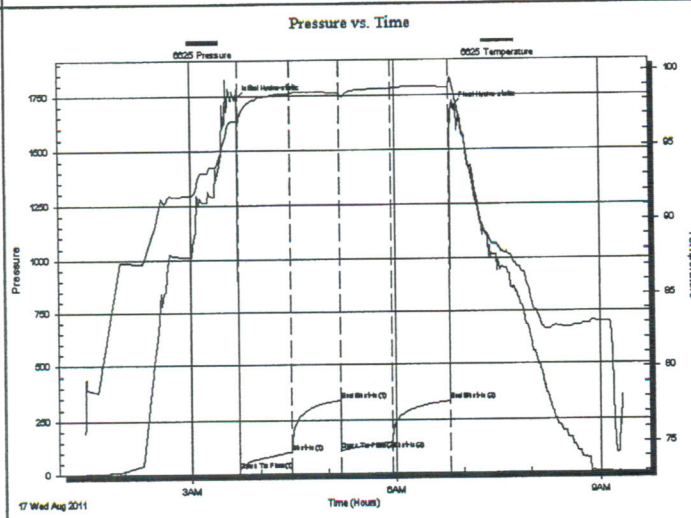
End Time:

09:19:31

Time On Btrn: 2011.08.17 @ 03:39:32

Time Off Btrn: 2011.08.17 @ 06:52:01

TEST COMMENT: 45-IFP-w k to strg in 27min
45-ISIP-1/4"bl bk
45-FFP-w k to a gd bl 1/2"to 8"bl
45-FSIP-surface bl bk



PRESSURE SUMMARY

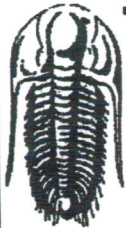
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.78	96.64	Initial Hydro-static
2	19.02	96.36	Open To Flow (1)
48	100.11	98.51	Shut-In(1)
92	337.88	98.55	End Shut-In(1)
92	107.95	98.44	Open To Flow (2)
137	146.83	98.81	Shut-In(2)
189	333.01	98.89	End Shut-In(2)
193	1697.78	98.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MGO 10%G40%M50%O	0.30
330.00	CO	4.10
0.00	40'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43446

DST#: 3

ATTN: Jim Baird

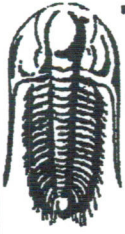
Test Start: 2011.08.17 @ 01:25:07

Tool Information

Drill Pipe:	Length: 3467.00 ft	Diameter: 3.80 inches	Volume: 48.63 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 49.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3592.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3572.00	
Shut In Tool	5.00			3577.00	
Hydraulic tool	5.00			3582.00	
Packer	5.00			3587.00	21.00 Bottom Of Top Packer
Packer	5.00			3592.00	
Stubb	1.00			3593.00	
Recorder	0.00	6625	Inside	3593.00	
Recorder	0.00	8700	Outside	3593.00	
Perforations	13.00			3606.00	
Bullnose	3.00			3609.00	17.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43446

DST#:3

ATTN: Jim Baird

Test Start: 2011.08.17 @ 01:25:07

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 25 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.74 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1600.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MGO 10%G40%M50%O	0.305
330.00	CO	4.101
0.00	40'GIP	0.000

Total Length: 392.00 ft Total Volume: 4.406 bbl

Num Fluid Samples: 0

Num Gas Borris: 0

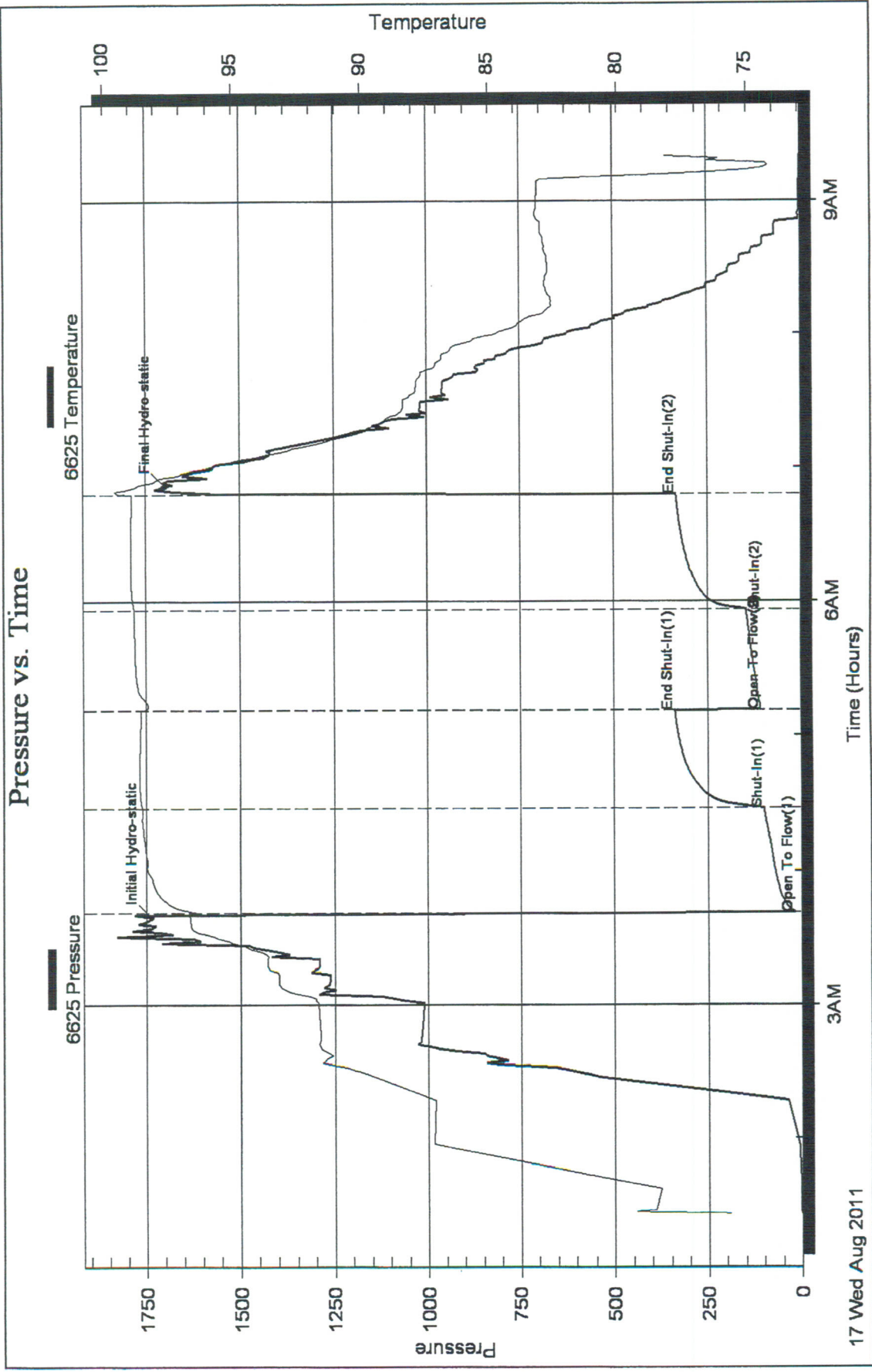
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

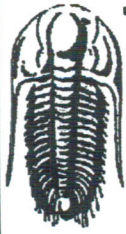
Esslinger Ranch Inc #5-35

Start Date: 2011.08.17 @ 16:05:00

End Date: 2011.08.17 @ 21:01:54

Job Ticket #: 43447 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 Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43447

DST#: 4

ATTN: Jim Baird

Test Start: 2011.08.17 @ 16:05:00

GENERAL INFORMATION:

Formation: **LKC "F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:04:55
 Time Test Ended: 21:01:54

Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42

Interval: **3609.00 ft (KB) To 3632.00 ft (KB) (TVD)**
 Total Depth: 3632.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2329.00 ft (KB)
 2324.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625

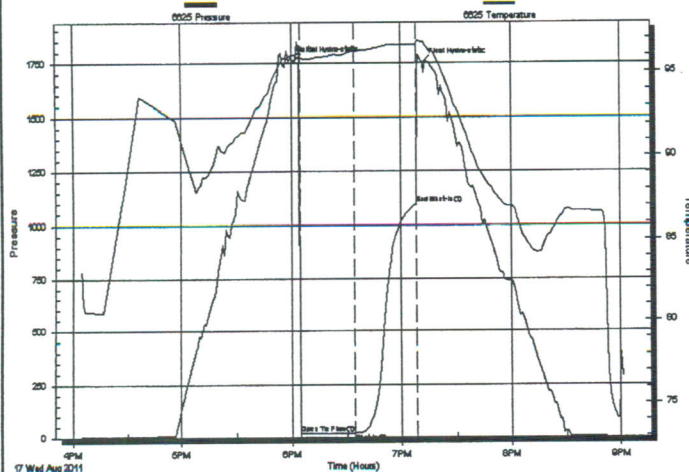
Inside

Press@RunDepth: 19.27 psig @ 3610.00 ft (KB)
 Start Date: 2011.08.17 End Date: 2011.08.17
 Start Time: 16:05:00 End Time: 21:01:54

Capacity: 8000.00 psig
 Last Calib.: 2011.08.17
 Time On Btm: 2011.08.17 @ 18:01:25
 Time Off Btm: 2011.08.17 @ 19:11:55

TEST COMMENT: 30-IFP-surface bl died in 20 min
 30-ISIP-no bl
 pull tool

Pressure vs. Time



PRESSURE SUMMARY

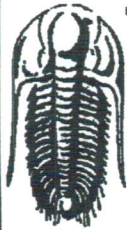
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.88	96.03	Initial Hydro-static
4	15.43	95.71	Open To Flow (1)
33	19.27	96.25	Shut-In(1)
67	1093.99	96.59	End Shut-In(1)
71	1746.89	96.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	CO	0.01
5.00	OCM 15%O85%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43447

DST#: 4

ATTN: Jim Baird

Test Start: 2011.08.17 @ 16:05:00

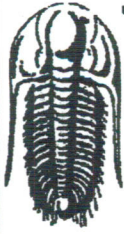
Tool Information

Drill Pipe:	Length: 3491.00 ft	Diameter: 3.80 inches	Volume: 48.97 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 49.56 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3609.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3589.00	
Shut In Tool	5.00			3594.00	
Hydraulic tool	5.00			3599.00	
Packer	5.00			3604.00	21.00 Bottom Of Top Packer
Packer	5.00			3609.00	
Stubb	1.00			3610.00	
Recorder	0.00	6625	Inside	3610.00	
Recorder	0.00	8700	Outside	3610.00	
Perforations	19.00			3629.00	
Bullnose	3.00			3632.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43447

DST#: 4

ATTN: Jim Baird

Test Start: 2011.08.17 @ 16:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	CO	0.010
5.00	OCM 15%O85%M	0.025

Total Length: 7.00 ft Total Volume: 0.035 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

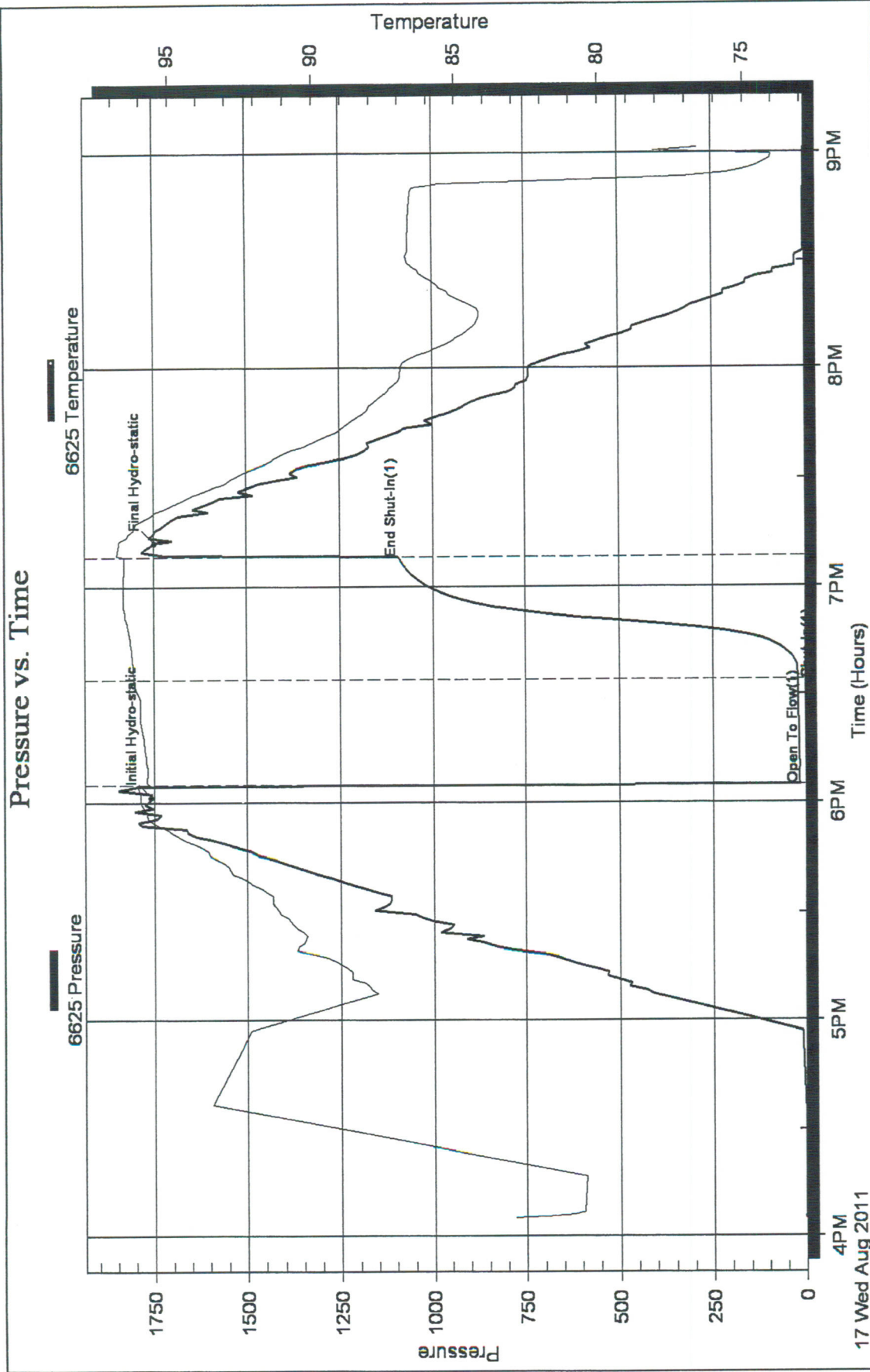
Inside

Baird Oil Company LLC

35-3s-22w Logan, KS

DST Test Number: 4

Pressure vs. Time



17 Wed Aug 2011



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company LLC**

PO Box 428
Logan KS 67646

ATTN: Jim Baird

35-3s-22w Logan,KS

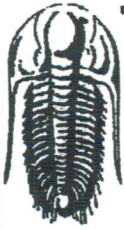
Esslinger Ranch Inc #5-35

Start Date: 2011.08.18 @ 08:05:49

End Date: 2011.08.18 @ 12:48:13

Job Ticket #: 43448 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 Company LLC
 PO Box 428
 Logan KS 67646
 ATTN: Jim Baird

Esslinger Ranch Inc #5-35
35-3s-22w Logan,KS
 Job Ticket: 43448 **DST#: 5**
 Test Start: 2011.08.18 @ 08:05:49

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:52:44
 Time Test Ended: 12:48:13

Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42

Interval: **3682.00 ft (KB) To 3712.00 ft (KB) (TVD)**
 Total Depth: 3712.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2329.00 ft (KB)
 2324.00 ft (CF)
 KB to GR/CF: 5.00 ft

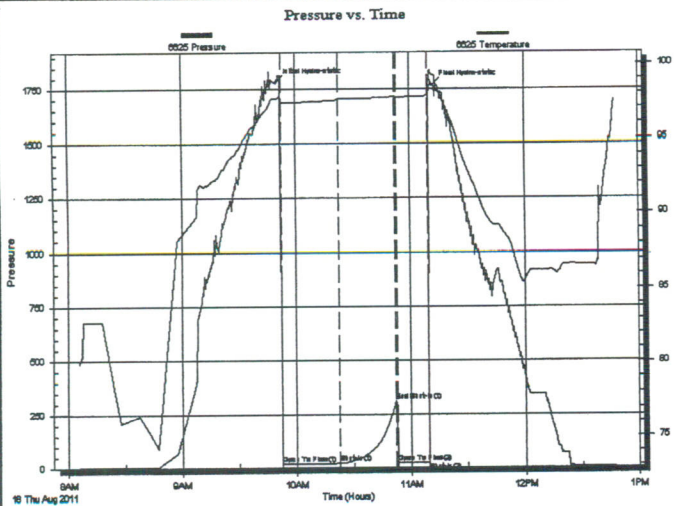
Serial #: 6625

Inside

Press@RunDepth: 19.76 psig @ 3683.00 ft (KB)
 Start Date: 2011.08.18 End Date: 2011.08.18
 Start Time: 08:05:49 End Time: 12:48:13

Capacity: 8000.00 psig
 Last Calib.: 2011.08.18
 Time On Btrm: 2011.08.18 @ 09:50:14
 Time Off Btrm: 2011.08.18 @ 11:12:14

TEST COMMENT: 30-IFP-w k bl 1/4"to 1/8"bl
 30-ISIP-no bl
 15-FFP-no bl
 pull tool



PRESSURE SUMMARY

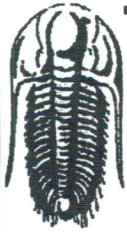
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.34	97.64	Initial Hydro-static
3	15.55	97.42	Open To Flow (1)
32	19.76	97.58	Shut-In(1)
62	311.11	97.73	End Shut-In(1)
63	21.75	97.67	Open To Flow (2)
79	22.28	97.78	Shut-In(2)
82	1768.27	99.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 15% O85%M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company LLC

Esslinger Ranch Inc #5-35

PO Box 428
Logan KS 67646

35-3s-22w Logan,KS

Job Ticket: 43448

DST#: 5

ATTN: Jim Baird

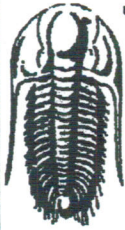
Test Start: 2011.08.18 @ 08:05:49

Tool Information

Drill Pipe:	Length: 3553.00 ft	Diameter: 3.80 inches	Volume: 49.84 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3682.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3662.00	
Shut In Tool	5.00			3667.00	
Hydraulic tool	5.00			3672.00	
Packer	5.00			3677.00	21.00 Bottom Of Top Packer
Packer	5.00			3682.00	
Stubb	1.00			3683.00	
Recorder	0.00	6625	Inside	3683.00	
Recorder	0.00	8700	Outside	3683.00	
Perforations	26.00			3709.00	
Bullnose	3.00			3712.00	30.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



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TESTING, INC.**

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Job Ticket: 43448 **DST#: 5**

ATTN: Jim Baird

Test Start: 2011.08.18 @ 08:05:49

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.73 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 15%O85%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

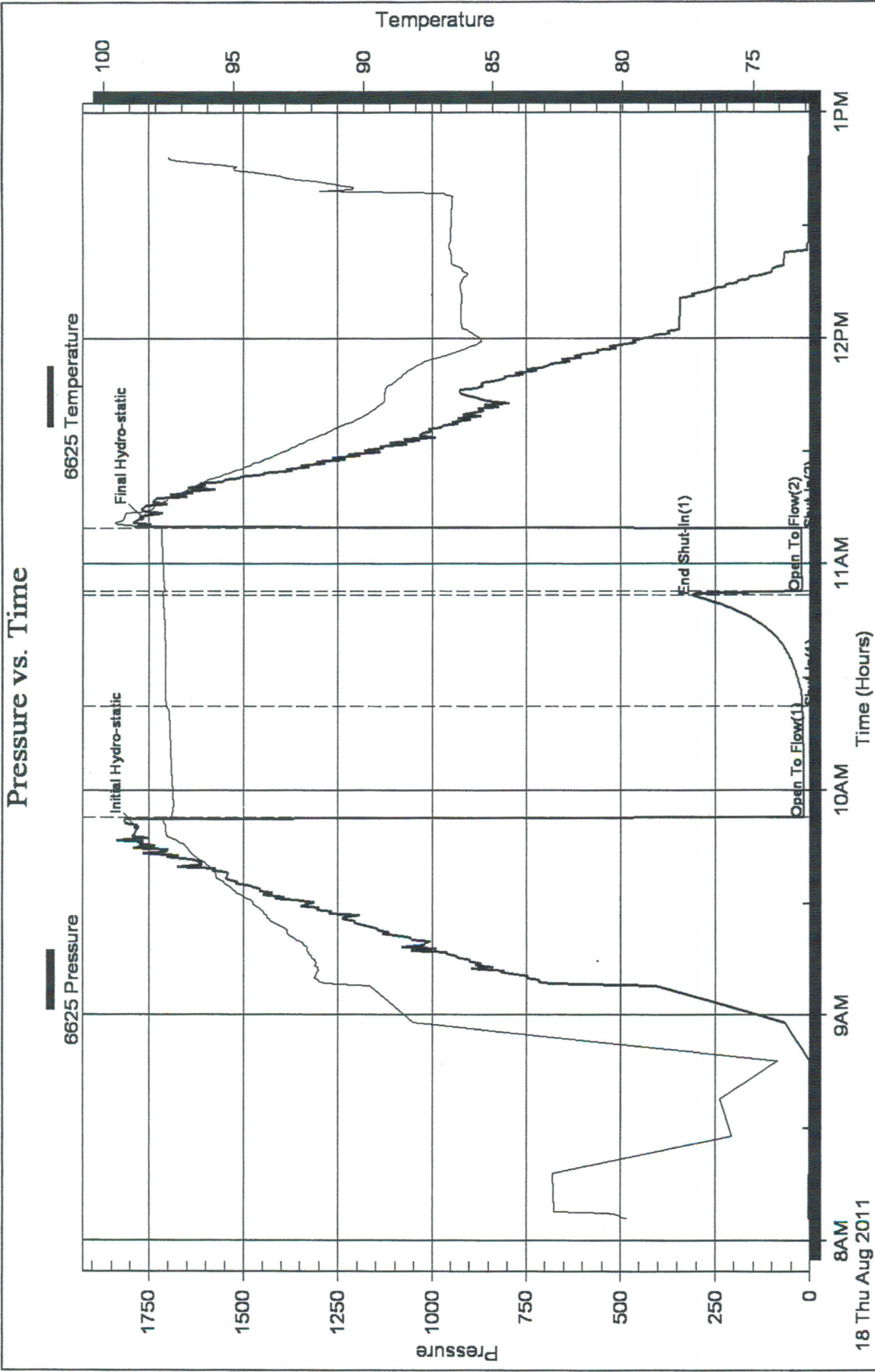
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



API. #15-137-20578-00-00

GEOLOGICAL REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY <u>Baird Oil Company, LLC.</u>	ELEVATION
LEASE <u>Esslinger Ranch, Inc. #5-35</u>	KB <u>2329'</u>
FIELD <u>Red Fox</u>	DF <u>2327'</u>
LOCATION <u>120'FNL + 2120'FFL</u>	GL <u>2324'</u>
SEC <u>35</u> TWSP <u>35</u> RGE <u>22W</u>	Depths Measured From
COUNTY <u>Norton</u> STATE <u>Kansas</u>	Log <u>KB</u> Drilling <u>KB</u>
CONTRACTOR <u>WWD Drilling Rig #8</u>	CASING
SPUD <u>8-12-11</u> COMP <u>8-19-11</u>	Surface <u>8 5/8" @ 212'</u>
SAMPLES SAVED FROM <u>3250'</u> TO <u>R.T.D.</u>	Production <u>5 1/2" @ 3811'</u>
	ELECTRIC LOGS <i>Superior Well Services</i>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<i>K. lag</i>				
Anhydrite	2001	1998 +	331	+ 322	+ 322		
Base Anhydrite	2029	2027 +	302	+ 292	+ 292		
Topeka	3316	3316 -	987	- 992	- 991		
Heebner	3514	3513 -	1184	- 1192	- 1192		
Toronto	3539	3540 -	1211	- 1216	- 1216		
Lansing	3557	3557 -	1228	- 1233	- 1233		
Base Kansas City	3743	3743 -	1414	- 1423	- 1420		
Marmaton	3771	3772 -	1443	- 1451	- 1446		
Pre-Cambrian	3786	3786 -	1457	- 1479	- 1463		
Total Depth	3810	3812 -	1483	- 1498	- 1479		

REFERENCE WELLS

A	Baird Oil Co. Esslinger Ranch, Inc. #3-35, 445' FNL + 2585' FWL sec. 35-35-22W
B	Baird Oil Co. Esslinger Ranch, Inc. #4-35, 2375' FNL + 1640' FFL sec. 35-35-22W
C	
D	Part Collar @ 2018

REMARKS

This well ran 5 feet higher on the Lansing top than the reference wells. Encouraging results on P.S.T. # 3 warranted the cementing of production casing to further test the well. The following zones should be tested, 3705'-3706', 3601'-3606' and 3557'-3560'.

Richard B. Bell
8/20/11

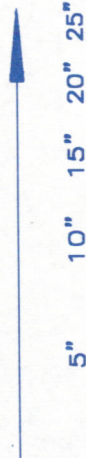
7502

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Ool. Lime
- Chert
- Dolomite

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Decreases



DEPTH

1990

2000

20

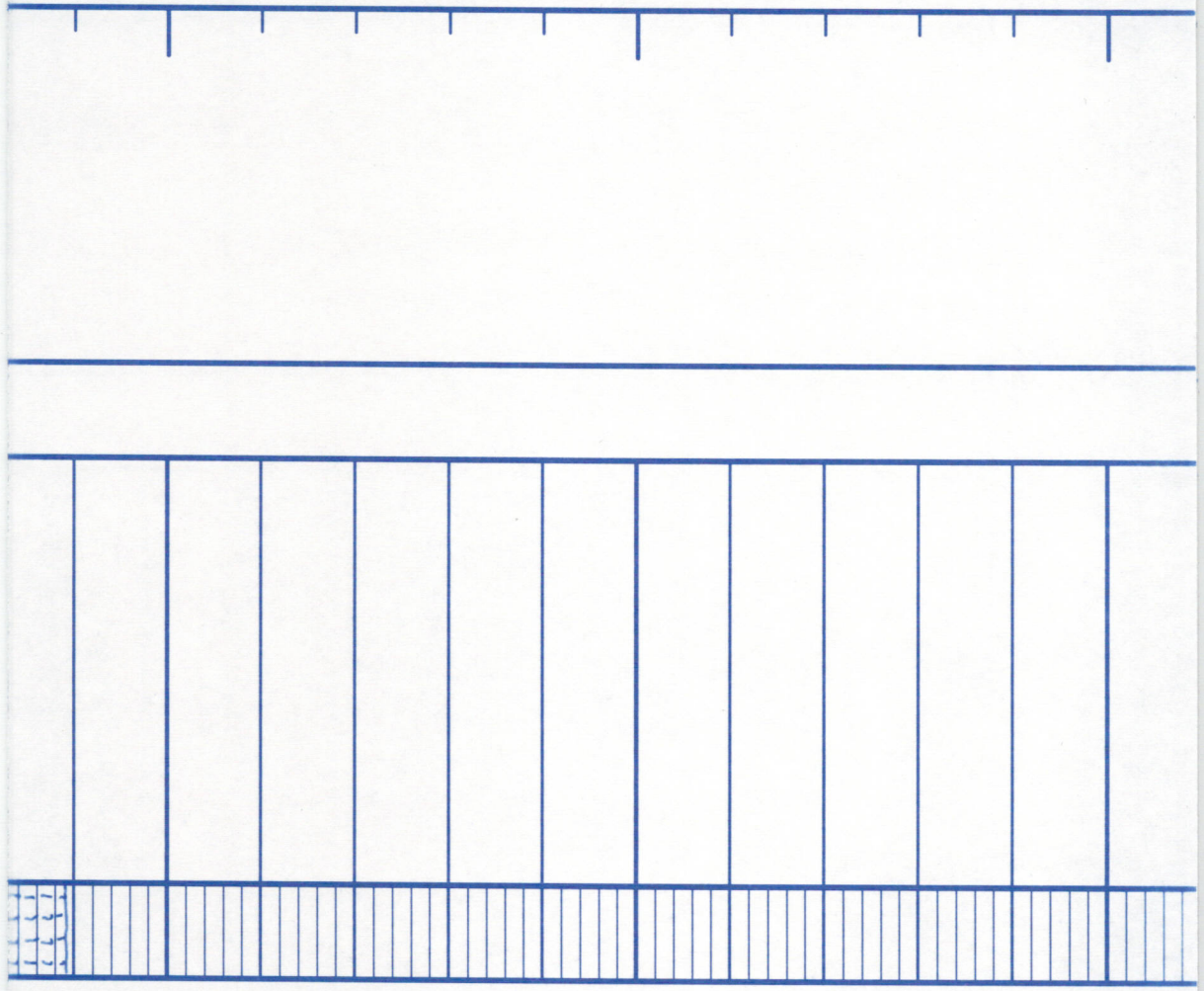
LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

LOG 7710

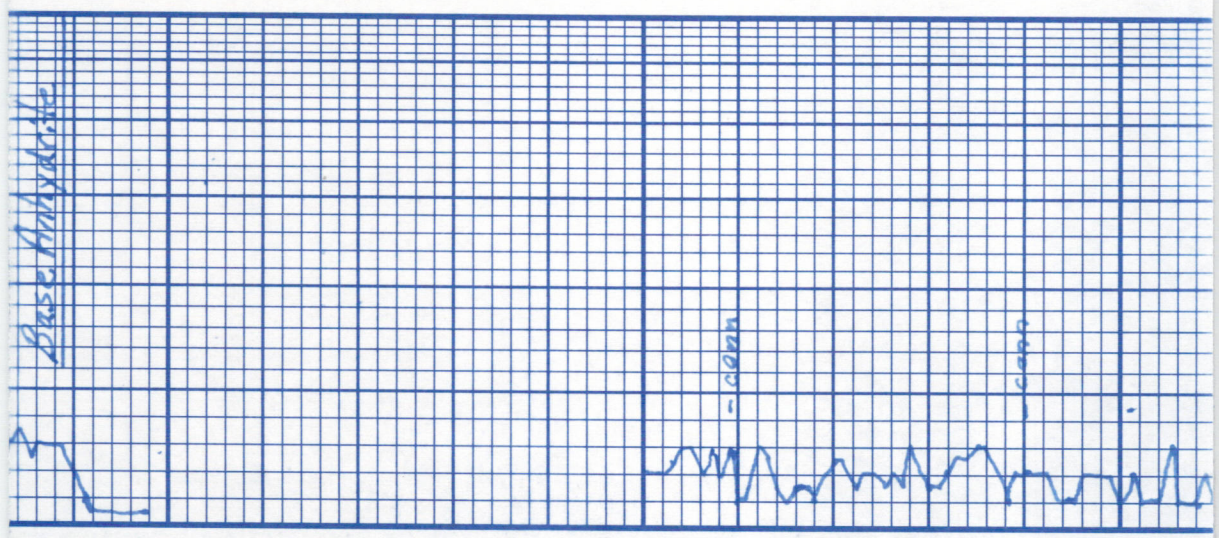


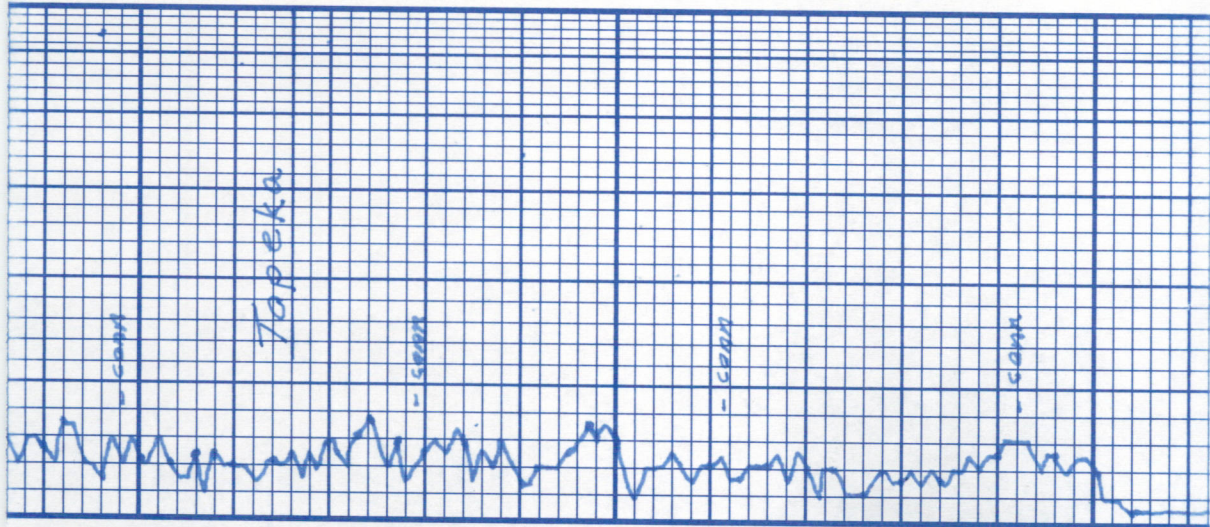
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3100

20

40





Tapeka

3300

20

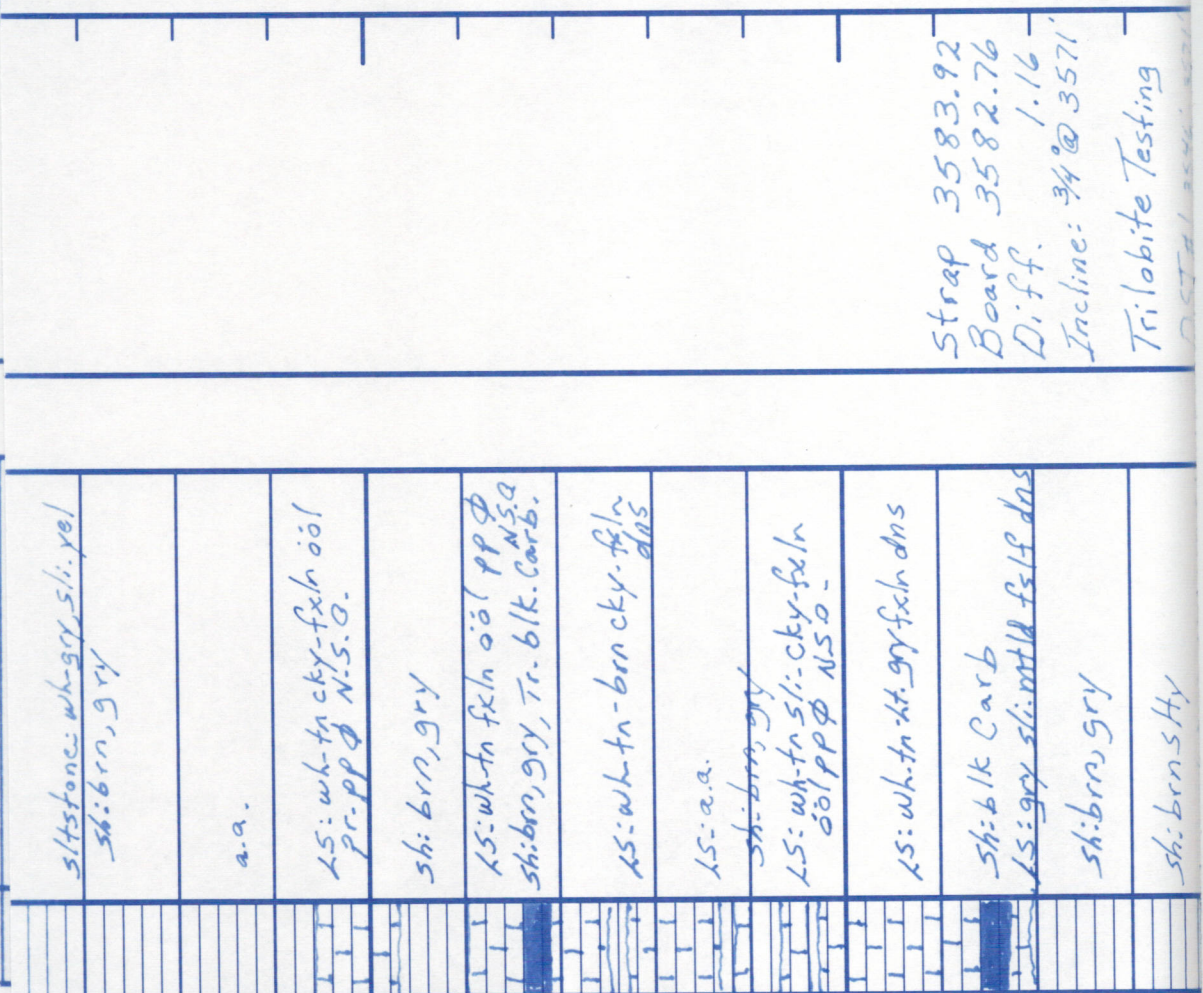
40

60

80

3400

LS: gry-fxln-fsif dms	LS: gry-fxln-fsif dms
a.a. incr Sh: brn gry	a.a. incr Sh: brn gry
LS: gry mtld fsif dms sh: brn, gry	LS: gry mtld fsif dms sh: brn, gry
LS: sph-trn sh: cky-fxln-fsly ool pp p friable N.S.O.	LS: sph-trn sh: cky-fxln-fsly ool pp p friable N.S.O.
LS: whty-gry tr ool pp p mostly dms N.S.O.	LS: whty-gry tr ool pp p mostly dms N.S.O.
LS: wh tr: cky-fxln dms	LS: wh tr: cky-fxln dms
sh: gry, brn	sh: gry, brn
LS: wh-tr: cky-fxln dms	LS: wh-tr: cky-fxln dms
sh: brn, gry	sh: brn, gry
LS: wh-tr: lt. gry cky-fxln tr. foss. inclus. dms N.S.O.	LS: wh-tr: lt. gry cky-fxln tr. foss. inclus. dms N.S.O.
LS: wh-tr: fxln ool gd pp p N.S.O.	LS: wh-tr: fxln ool gd pp p N.S.O.
LS: wh-tr: gry cky-fxln pp p N.S.O. A tr-or	LS: wh-tr: gry cky-fxln pp p N.S.O. A tr-or
LS: A a a v. cky	LS: A a a v. cky
LS: wh-tr: lt. gry fxln dms	LS: wh-tr: lt. gry fxln dms
sh: brn, gry	sh: brn, gry
siltstone: wh-gry	siltstone: wh-gry



sltstone: wh-gr, sli. yel
sh: brn, gry

a.a.

LS: wh-trn cky-fxln ool
Pr. pp Φ N.S.O.

sh: brn, gry

LS: wh-trn fxln ool pp Φ
sh: brn, gry, Tr. blk. Carb.
N.S.O.

LS: wh-trn-brn cky-fxln
ool

LS: a.a.

sh: brn, gry

LS: wh-trn sli: cky-fxln
ool pp Φ N.S.O.

LS: wh-trn-ht. gry fxln dms

sh: blk Carb

LS: gry sli: mtl d fslf dms

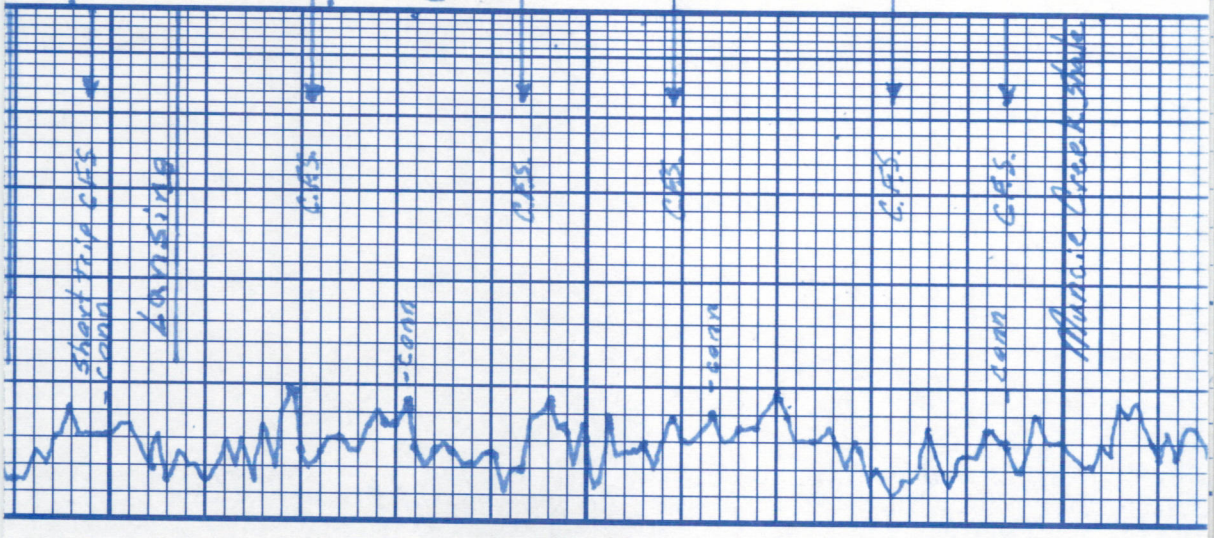
sh: brn, gry

sh: brn sly

Strap 3583.92
Board 3582.76
Diff. 1.16
Incline: $\frac{3}{4}$ @ 3571'

Trilobite Testing

DSTA 3582.76

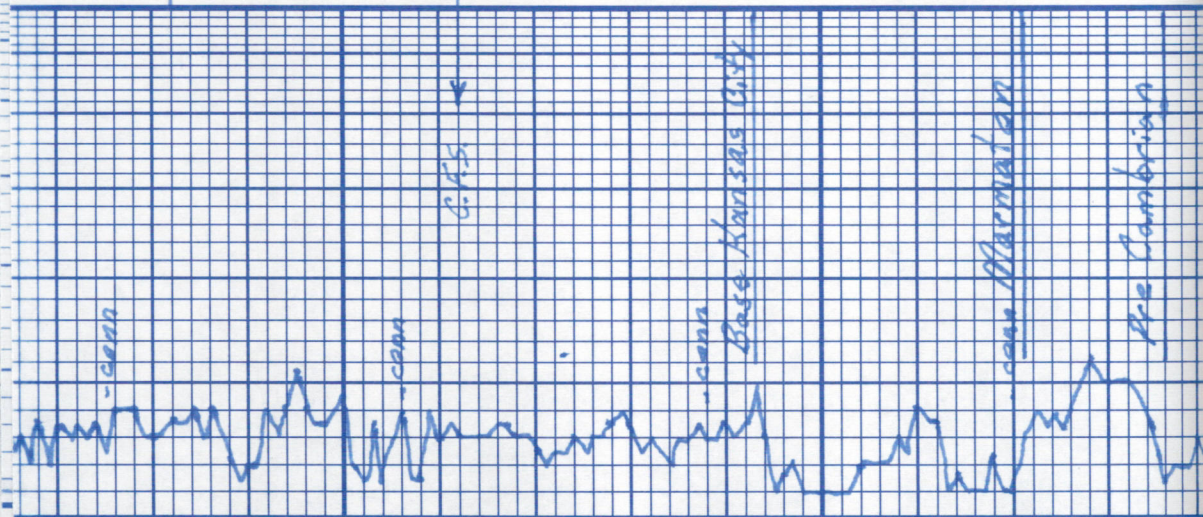


LS: wh-trn cky-fxln f try ool PP N.S.O. T Δ wh-tr	sh: brn, gry	LS: wh-trn cky-fxln ool PP in part Δ Lt.-fr osh PP F.O. fr. odor	LS: wh-trn fxl n dns	sh: brn	LS: wh-trn fxl n faly ool pp φ scat Lt.-fr o strn f r pp F.O. V. ft. odor Δ sty wh-trn-gry	sh: gry, brn	LS: wh-trn fxl n ool pp φ - vgy φ fr- drk o strn rainbow 3.0 PP floating F.O. ft odor	LS: gry fxl n dns	sh: brn, gry	LS: wh-trn fxl n scat ool pp φ - in wh-tr. o strn rainbow scat floating F.O. strong odor LS: wh-trn fxl n gielc drk sptd o strn F.O. strong odor	oolc LS: wh-trn fxl n 10' of barrier LS: wh-trn 5/-: cky- fxl n dns Δ Lt. gry	sh: fr- blk carb brn, gry
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30-30-30-30
 IF: surface blow dried in 25m.
 FF: No blow
 Recovery: 5' HOCM
 2020, 80% m
 HYD: 1737-1719#
 FP: 22-24/26-28#
 BHP: 632-513#
 BHTemp: 99°F.

DST#2 3573'-3593'
 30-30-0-0
 IF: good surge, No blow
 Recovery: 1' OCM
 show C.O. in top of tool
 HYD: 1727-1711#
 FP: 15-17#
 BHP: 277#
 BHTemp: 96°F.

DST#3 3592'-3609'
 45-45-45-45
 IF: B.O.B. in 27 min.
 ISI: 1/4" blow
 FF: wk blow incr. to 8"
 F.S.I.: surface blow
 Recovery: 40' G.I.F.
 392' Total fluid
 330' C.O.
 62' M.G.O. 107g, 50% B
 40% m
 HYD: 1736-1697#
 FP: 19-100/107-146#
 BHP: 337-333#
 BHTemp: 98°F.
 Gravity: 25° API.



'H' 80
 'I' 3700
 'J' 20
 'K' 40
 60
 80

LS: wh-tn cky-fxln dns N.S.O.	LS: wh-tn cky-fxln dns ppφ Tr. Tary O Spks
sh: brn	sh: brn, gry
LS: gry fxln dns	LS: wh-tn cky-fxln dns
sh: brn, gry	sh: brn
LS: wh-tn fxln oöl ppφ- in part φ drk brn dark brn thick F.P. an crushing	LS: wh-tn cky-fxln ppφ Tr. Tary O Spks
shly: brn, gry	LS: wh-tn slicky-fxln dns N.S.O.
LS: wh-tn fxln sli: oöl Tr pr. ppφ Tr. Tary O Spks NEO.	sh: brn, gry
sh: brn, gry	LS: wh-tn cky-fxln dns
sh: brn, gry	sh: brn
LS: wh-tn cky-fxln sli: oöl ppφ Tr. Tary O Spks	LS: wh-tn-yel fxln dns
sh: brn, gry	Quartz biotite chr ana

DST #4 3609'-3632'
 30-30-0-0
 IF: 20 min. Surface blow
 Recovery: 7' Total
 2' C.O.
 5' OCM 15.70, 85.2M
 HYD: 1756-1746 #
 FP: 15-19 #
 BHP: 1093 #
 BH Temp: 96 °F

DST #5 3682'-3712'
 30-30-15-0
 IF: 1/4" blow decr. to 1/8"
 FF: No blow
 Recovery: 5' OCM
 15.70, 85.2M
 HYD: 1782-1768 #
 FP: 15-19/21-22 #
 BHP: 311 #
 BH Temp: 97 °F

